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An NRG Energy Company

July 22, 2011

Mr. Greg DeCowsky
Delaware DNREC, SIRB
391 Lukens Drive
New Castle, DE 19720

Subject: Remedial Investigation Report for Operable Unit 2 – Responses to Comments
Burton Island Historical Ash Disposal Area, DE-1399
NRG-Indian River Power LLC

Dear Mr. DeCowsky:

Indian River Power, LLC, a wholly-owned subsidiary of NRG Energy, Inc. (NRG), respectfully submits this response to comments on the February 2011 Remedial Investigation Report (RIR) provided by the Department of Natural Resources and Environmental Control (DNREC) Site Investigation and Remediation Section (SIRS) in a letter dated July 7, 2011. The DNREC-SIRS comments are listed below in italics font followed by NRG's responses. The specific document edits resulting from these comments-responses are identified in Attachment A of this letter. Supporting documentation for select comments is provided in other referenced attachments.

GENERAL

1. Comment: *USEPA (1997) is repeatedly cited in the report; however there are three 1997 USEPA references in the References section - USEPA 1997a, USEPA 1997b, and USEPA 1997c. Please correct.*

   Response: The text will be revised as requested.

2. Comment: *Page 1-9 contains an assertion that the Army Corps of Engineers used the eastern end of Burton Island for dredge spoil disposal. However, no documentation is provided for this assertion. Please cite references or delete the statement. Also the assertion seems to conflict with the soil boring observations in section 3.3.1; please clarify.*

   Response: There are published references to both DNREC and USACE dredging operations in Indian River and the Delaware Inland Bays (see below). However, other than institutional knowledge at the facility, we could not confirm disposal of dredge spoils on Burton Island in published documents. The sentence will be removed as requested.

   References:
   A. Moffatt & Nichol, 2007. *Sediment Management Plan, Rehoboth Bay, Sussex County, Delaware*, Final Report, prepared for DNREC Division of Soil and Water Conservation, November 7, 2007.

B. Delaware Inland Bays Estuary Program (DIBEP), 1995. *Delaware Inland Bays Comprehensive Conservation and Management Plan* - Appendix F, 1993 Characterization Report – A Study of the Status and Trends in the Inland Bays. Weston Consultants.

3. Comment: *On page 2-16, it is reported that the pond SE had a salinity of 3.55%, yet the salinity of ocean water is typically about 3.4%. Please clarify whether 3.55 % is correct, or whether it should be 3.55%o.*

   Response: The salinity of Pond SE presented in the report (3.55%) is correct. No changes to the text are necessary.

4. Comment: *On page 7-3, the URL for Gano (1996) is outdated. This document is now located at http://www.dnrec.delaware.gov/fw/Hunting/Documents/Wildlife%20Management%20Plans/Assawoman%2 0WMP%201996%20-%20Web%20Sife%20Version%202003.pdf*

   Response: The URL in the references section will be revised as requested.

RADIOACTIVE ELEMENTS

5. Comment: *No chemical data for uranium (U) or thorium (Th) were provided. U is chemically toxic (to kidneys) (http://www.atsdr.cdc.gov/ToxProflles/tp150.pdf as well as an alpha emitter. The report only provides specific activity (SA) data, not chemical analytical data.*

   Please present risk assessment references based on SA data that would allow correlation of SA levels to chemical data. Further, please estimate the risk posed by these elements at the Site, and demonstrate whether the SA levels measured indicate that the levels of U and Th present do not pose an unacceptable radiological or toxic risk to human or ecological receptors.

   Response: There is only limited published information available for risk-based standards for uranium in fly ash, and fewer for thorium. The chemical concentrations of uranium in media sampled at the site are significantly below the EPA screening levels for soil at residential sites and the standards for drinking water as established in the Safe Drinking Water Act. The results of radiation dose calculations using a U.S. Department of Energy (DOE) model with maximum isotope concentrations measured in fly ash and site-specific data on the area and thickness of fly ash indicate that the potential radiation exposure is also significantly below the DOE radiation dose level established for protection of the public. Therefore, uranium and thorium in fly ash do not pose a risk to humans at the site. Please refer to supporting information for this response provided in Attachment B of this letter.

GROUNDWATER / MASS LOADING

6. Comment: *The mass loading calculations in section 3.3.3 et seq. shall also be performed with assumed increases in sea level of 0.5 m, 1.0 m, and 1.5 m (estimated potential sea level rise by 2100, as per DNREC sea level rise planning policy). (see spreadsheet. attachment B)*

   Response: Please note that supporting information for this response is provided in Attachment C of this letter. The effects of potential future sea level rise (SLR) on mass loading to surface water bodies surrounding the Ash Site were evaluated by examining the predicted effects from SLR on input parameters to equation (1) (see Section 3.3.6 of the RI Report). Referring to equation (1), it is assumed that the concentrations of the COIs (C),

hydraulic conductivity (K), and the length of the window of discharge (L) will be unchanged. This leaves the hydraulic gradient (I) and the saturated thickness of materials (b) as parameters to evaluate.

The direction and magnitude of (I) is controlled by the elevation of the water table mound in the interior of the peninsula, the elevation of the water table near the shoreline, and the elevation of surface water. Under current conditions, the elevation of the water table mound is maintained by a hydrodynamic balance between groundwater recharge and groundwater discharge. The elevation of mounding in the interior of the peninsula remains relatively constant because there is a balance between recharge from precipitation and net discharge controlled by tidal fluctuations. The elevations of the near shore water table and surface water surrounding the peninsula are controlled by tidal fluctuations. The frequency of gradient reversals is controlled by tidal fluctuation, as well.

Assuming the groundwater recharge remains constant, the hydrodynamic balance between groundwater recharge and discharge will continuously reestablish itself as sea level rises. In response to this rebalancing, the elevation of mounding in the interior of the peninsula will rise to a position, approximately equal to the current position plus the height of SLR. Assuming the amplitude of tidal fluctuations does not change with SLR, then the relationships between the elevation of the water table mound, elevation of the near shore water table, and elevation of surface water will be the same and the frequency of gradient reversals will be the same. Thus, given the stated assumptions, there will be no effect on the magnitude and direction of I or of the frequency of gradient reversals from SLR.

SLR would create a change in (b) as materials within the Ash Site that are not saturated under current conditions become saturated due to elevated water table positions caused by SLR. As presented in Section 3.3.6 of the RI Report, (b) under current conditions is assumed to be 85 feet. For 0.5 meters (m) of SLR, (b) would become 86.6 feet, or 2% thicker, for 1.0 m of SLR (b) would become 88.3 feet or 4% thicker, and for 1.5 m of SLR (b) would become 89.9 feet, or 6% thicker. Loading is directly proportional to flow (Q) and (Q) is directly proportional to (b); therefore, any percent increase in (b) from SLR will result in an equivalent percent increase in loading. Table RTC6-1 in Attachment C of this letter lists estimated increases in loading for each COI for each increment of SLR.

As shown on the table, the estimated increases in the loading of COIs to surface water from groundwater discharge under SLR conditions are small when compared to the estimates developed for the current condition.

As stated in Section 3.3.7 of the RI Report, the estimates of mass loading from groundwater discharge to surface water under current conditions are conservative and small, and are not expected to have an adverse effect on surface water quality. The conclusion of this assessment of SLR is that SLR could cause small increases in loading due to small increases in the saturated thickness of materials underlying the Ash Site; however, these increases in loading still are not large enough to have an adverse effect on surface water quality.

Comment 6 included a parenthetical reference to Attachment B of the DNREC-SIRS letter, “An Assessment of Arsenic Concentrations in Upper Indian River Due to Mass Loading

from the Burton Island Historical Ash Disposal Area, Millsboro, DE," prepared by Rick Greene, DNREC Watershed Assessment, dated March 25, 2011. This assessment produced an estimate of the loading of arsenic to the upper reaches of the Indian River embayment under current conditions using a simple steady-state, tidally-averaged mass balance spread sheet model along with proper consideration of water quality criteria. The low end and high end arsenic values under SLR conditions (0.068 and 0.387 lbs/day) were incorporated into the same spreadsheet model and evaluated using the same lines of reasoning (see RTC6-1 in Attachment C). This assessment of change in arsenic concentration due to SLR is extremely conservative in that it does not account for the very large increases in flow and arsenic dilution that would occur in the upper Indian River due to SLR. The numerical results for the assessment of SLR conditions, without accounting for increase flow in the upper Indian River, were very similar to those derived for current conditions (see Table RTC6-2 in Attachment C) and the assessment comes to the same conclusion as DNREC's assessment of current conditions. It is concluded that exceedances of applicable human health and aquatic life criteria in upper Indian River due to the Burton Island loading under SLR conditions are extremely unlikely.

AIR DISPERSION

7. Comment: *In Table 4-2, the 24-hour "realistic" PM-10 estimate is calculated to be almost 50% of the NAAQS standard. Therefore, if the bare area of the site slightly more than doubled, e.g., due to a fire or weather event or to remedial construction, the modeled emissions would exceed the standard. Although this doesn't indicate an immediate problem, it raises issues of (1) needing to govern any remedial construction activities so that this is prevented or mitigated, with a sufficient safety margin, and (2) needing to address vegetative cover issues in the O&M Plan.*

   Response: The comment is noted; however, no changes to the report are necessary.

HUMAN HEALTH RISK

8. Comment: *According to RAGS (Section 8), total risk should be presented to one significant digit.*

   Response: Where appropriate, the calculated human health risks will be presented to one significant digit.

9. Comment: *On page 5-23, it is stated that "There are no fish consumption advisories related to metals in the Delaware Inland Bays." This statement is* ***incorrect:*** *there is an advisory for Delaware Atlantic Coastal Waters including Delaware Inland Bays recommending consumption of no more than one 8-ounce meal per year (no consumption for women of childbearing age or for children) of bluefish greater than 14 inches for PCBs and mercury (DNREC, March 30, 2006. DNREC News Vol.36, No. 84.). As bluefish is a popular game fish in the Inland Bays region, this is worthy of note. Please correct the referenced statement to indicate the existence of this fish consumption advisory.*

   Response: The statement in the text stating that there are no fish advisories for metals in the Delaware Inland Bays will be revised to indicate that there is a fish advisory for the Delaware Inland Bays for PCBs and mercury in bluefish.

10. Comment: *In an attempt to refute the calculated human health risk for trespassing anglers, NRG/IRPLLC security precautions are cited. However, with the exception of the fence separating the*

ash dump from the plant (not relevant to trespassing anglers), these measures have not been described. Therefore their efficacy in reducing risk has not and currently cannot be determined. (This must also be addressed in the forthcoming O&M Plan.)

Response: In addition to the fence preventing land-side access to OU2, 'No Trespassing' signs are posted at the perimeter of OU2 facing outward towards the water. No changes to the text are necessary.

11. Comment: *Similarly, in ruling out risk to hypothetical future construction workers, NRG/IRPLLC occupational safety procedures were cited. However, these have not actually been submitted, so their efficacy in reducing risk has not and currently cannot be determined. (This must also be addressed in the forthcoming O&M Plan.)*

    Response: Contracted personnel working at the Indian River facility must review, sign, and abide by the NRG Contractor Safety Manual. The rules set forth in the NRG Contractor Safety Manual meet and, in some cases, exceed the requirements of OSHA for safe and environmentally correct work practices. No changes to the text are necessary.

12. Comment: *(Page 5-31) DNREC's unacceptable cancer risk level of 1 x 10^{-5} is not "suggested guidance;" it is in Section 9 of the Delaware Regulations Governing Hazardous Substance Cleanup and therefore mandatory. Please correct.*

    Response: The text will be revised to indicate that DNREC's acceptable cancer risk level is not "suggested guidance."

<u>ECOLOGICAL ISSUES AND ECOLOGICAL RISK</u>

13. Comment: *Please provide a map combining the information in Figure 2.4-1 (Vegetative and Habitat Communities) and Figure 3.1-1 (Soil Sample Locations [including sampling unit boundaries]). Alternatively, please provide a transparent overlay to the same scale as Figure 2.4-1 showing the sampling unit boundaries.*

    Response: A map showing the vegetative and habitat communities of OU2 and the soil sample locations is provided in Attachment D of this letter. This figure will replace Figure 3.1-1 of the revised RI Report.

14. Comment: *USFWS and NMFS wildlife and habitat information for the shoreline stabilization project may be dated, as no dates or copies of correspondence from these agencies appear in the report or appendices. Species status and presence may have changed since the shoreline project's permitting stage. Please provide copies of these documents as appendices, unless already included in the FE report, and note the dates for them in the text and references.*

    Response: The dates of the correspondence from the DNREC Natural Heritage Program, USFWS, and NMFS regarding the potential for threatened and endangered species at Burton Island will be included in the revised RI report. The correspondence from these agencies will also be included in the RI report as appendices.

15. Comment: *Page 5-81 and the conclusion on page 5-94 suggest adopting a much higher HQ threshold than 1.0: "In order to account for the difference between adverse impacts to individuals and adverse impacts at the population level, the de minimus [sic] HQ of 1 could be raised to some higher level*

based on professional judgment and experience, 'for instance 5 or 10." DNREC SIRS does not concur with this approach. USEPA ecological risk assessment guidance at the scientific/management decision point following the screening-level ecological assessment is clear: either (1) the site risks are negligible and no remediation is warranted; or (2) there is insufficient information and the assessment process should continue to Step 3 (Baseline Risk Assessment Problem Formulation); or (3) the information indicates a potential for adverse ecological effects, and a more thorough assessment is warranted.

Response: The SLERA for OU2 (in addition to the SLERA for OU1 and OU3) was initially presented as part of the Facility Evaluation (FE) report (Shaw, 2008). A "Scientific Management Decision Point (SMDP)" was reached with the finalization of the FE report. The decision that was reached was that as the result of agency comments and in order to fill data gaps and refine certain aspects of the SLERA in the FE report, a remedial investigation for OU2 should be initiated. The SLERA presented as part of the RI report represents this refined SLERA, which incorporates several aspects of "Step 3" of USEPA's 8-step ecological risk assessment process (USEPA, 1997c). The fact remains that whether the ecological risk assessment process for OU2 is at the Step 2 SMDP or the Step 3 SMDP, the management principles for "remedial actions generally should not be designed to protect organisms on an individual basis, but to protect local populations and communities of biota. Levels that are expected to protect local populations and communities can be estimated by extrapolating from effects on individuals and groups of individuals using a lines-of-evidence approach" (USEPA, 1999). The use of an HQ greater than one to estimate potential ecological hazards to ecological populations or communities is one method of "extrapolating from effects on individuals and groups of individuals" to ecological populations and communities, and is supported by USEPA (1997c and 1999) guidance. It should be noted that ecological risks were not estimated in the OU2 RI report assuming HQs greater than one.

16. Comment: *Based on existing habitat types at OU2 mapped for the report, Canada Goose would not be expected to occur within OU2, as the site is dominated by forested habitat and upland Phragmites. Being waterfowl, Canada Goose is really more of an aquatic receptor, and typical diet items presented in USEPA's Wildlife Exposure Factors Handbook (USEPA 1993) are not likely to be available in OU2. Also, the shoreline remediation revetment, which the report notes as having made access to OU2 by people more difficult, would also make it more difficult for geese to access OU2. Page 5-58 states: "Measurement receptors will not be considered if their preferred habitat is not potentially impacted by ash material or if their preferred habitat does not occur within OU2. As such, Northern Bobwhite (also included in the WEFH) would be a more appropriate receptor for this guild in OU2.*

    Response: The Canada goose (*Branta canadensis*) was used as a surrogate receptor species for herbivorous birds in the FE report (Shaw, 2008), and since the SLERA presented in the RI report was a refinement of the original SLERA, it was assumed that this surrogate receptor species was adequate to assess the potential exposures herbivorous birds could experience at Burton Island. However, in order to respond to DNREC's request for a different surrogate species to represent exposures for herbivorous birds at Burton Island, the Northern bobwhite (*Colinus vinginianus*) will be used in the terrestrial food web model to represent exposures for herbivorous birds.

17. Comment: *Page 5-81: Table 5.2-13 shows the Invertivorous Bird LOAEL EHQ for methylmercury (MeHg) as 1.85E+01, but this value is not shaded as an exceedance of an EHQ of 1.0.*

    Response: The LOAEL-based EHQ for methyl mercury and invertivorous birds in Table 5.2-13 was reported incorrectly in the RI report. The correct EHQ is 1.85E-01. This value will be corrected and all other values in this table will be reviewed for correctness.

18. Comment: *In regard to use of a NOAEL, Page 5-85 of the report states: "A less sensitive endpoint that is still protective of the ecological populations or communities of interest may be the LOAEL or some other endpoint." By definition (page 5-75), a LOAEL is "The lowest concentration or dose at which an adverse effect is observed.... It is noted that the use of LOAELs (Table 5.2-13) results in only two EHQs exceeding 1.0, whereas the use of NOAELs (Table 5.2-12) per USEPA guidance results in 13 exceedances, including an EHQ of 18 for barium for Omnivorous Small Mammal and an EHQ of 22 for barium for Invertivorous Small Mammal.*

    In Tables N-11 through N-18, it is clear that whether a COPEC is a Constituent of Ecological Concern is based on the LOAELs, not the NOAELs. From USEPA 1997c: "A NOAEL is more appropriate than a LOAEL to use as an screening ecotoxicity value to ensure that risk is not underestimated." The guidance also states that NOAELs are preferred to LOAELs and gives a conversion to a NOAEL if only a LOAEL exists. Use of LOAELs is not a conservative approach and should not be undertaken if NOAELs exist. Therefore DNREC SIRS does not concur with this approach.

    Response: Please see Response to Comment 15. As the SLERA presented as part of the RI report is a refinement of the initial SLERA which was presented as part of the FE report (Shaw, 2007), the use of more refined toxicity information is appropriate (USEPA, 1997). As the ecological risk assessment process proceeds from Step 1 through Step 8 and uncertainty is reduced, the most appropriate toxicity data changes from NOAEL-based toxicity data to LOAEL-based toxicity data. It is appropriate to use LOAEL-based toxicity information for risk management decisions as concentrations less than the LOAEL-based remedial goal are generally protective of most ecological populations and communities.

19. Comment: *The assessment conclusion suggests the assessment framework is overly conservative and that communities and populations are not at risk and that no further action is warranted (page 6-8): "The conservative assessment techniques used in the SLERA indicated that several metals in surface soil at OU2 may have the potential to affect the site ecosystem. However, if food web models were utilized to assess ecological communities and populations instead of individuals, then all of the calculated hazards would be less than the de minimus [sic] hazard levels and no food web impacts to terrestrial populations would be expected. Therefore, no further action would be warranted for the protection of terrestrial food web-based ecological communities and/or populations. "The screening-level risk assessment indicates a potential for adverse ecological effects at the site, based on 13 of 56 calculated NOAEL-based EHQs exceeding 1.0. Therefore DNREC does not agree with the No Further Action conclusion and will require development of either a Feasibility Study or a risk management plan to be developed.*

    Response: The comment is noted. Both NOAEL-based EHQs and LOAEL-based EHQs are presented in the SLERA. No changes to the report are necessary.

20. Comment: *(Page 5-41) Please note in the text that the Delmarva Fox Squirrel is federally listed as an endangered species. (http://www.fivs.gov/chesapeakebav/dfox.htm. accessed May 11, 2011.)*

    Response: The Delmarva fox squirrel will be included in the discussion of threatened and endangered species.

21. Comment: *Was any attempt made to search for or identify amphibian or reptile species that might use the ponds? (Where were the green tree frogs observed?) On page 5-47, Gano (1996) is cited as*

identifying 12 species of amphibians present at Assawoman Wildlife Area that "may also be present at the Ash Site." Previous correspondence from DNREC to Shaw noted scientific work suggesting that certain amphibians may be especially sensitive to coal ash constituents.

It is noted on page 5-57 that "Reptiles and amphibians are not directly assessed in the food web models 'because of the paucity of toxicological information on these receptors (USEPA, 1999).'"

Please consult the 13 references identified in Attachment A to this letter. If these references provide sufficient data to allow modeling of ecological risk to these receptors, please do so as part of the revisions to the ecological risk assessment, citing the sources used.

If these references do not provide sufficient data to allow modeling of ecological risk to these receptors, please identify the remaining data gaps.

Response: If amphibians and reptiles were observed at Burton Island, they were noted in the field notes collected during the habitat assessment conducted on Burton Island in October 2009 and summarized in the tables presented in Appendix A of the RI report. The only reptile or amphibian species observed during that field investigation was the green tree frog (*Hyla cinerea*), which was sighted in the northeast portion of Burton Island on two occasions.

As noted in the text, amphibians and reptiles are not directly assessed in the SLERA for OU2 due to the paucity of toxicity data and also the lack of biotransfer data to support quantitative assessment of these classes of animals. These statements remain factual. The references provided by DNREC as part of their comments were consulted in addition to numerous other sources of toxicity and biotransfer data, and the fact remains that quantitative assessment of risk to amphibians and reptiles is not possible at this time due to the lack of adequate toxicity and biotransfer data.

Additionally, the salinity of the on-site ponds (Pond SE, Pond SW, and Pond NE) ranged from 1.07 percent to 4 percent, which precludes the presence of breeding amphibians, which require fresh water. The discussion of the rationale for not quantitatively assessing amphibians and reptiles will be expanded to include the information provided in this response in the revised RI report.

22. Comment: *It is stated on page 5-61 that "Current scientific consensus is that there is considerable uncertainty in the derivation of species-specific TRVs and that generic TRVs applicable to mammalian and avian receptors in general are more appropriate for use in risk assessments." Please provide specific references supporting this assertion.*

    Response: References will be added to support the statement concerning mammalian and avian TRVs.

23. Comment: *On page 5-62 and 5-63, please correct the keys for the UCL equations to identify all the variables.*

    Response: Each variable appears at the end of the previous line due to a formatting error. The variables will be correctly formatted in the revised RI report.

24. Comment: *On pages 5-65 and 5-67, assumptions for Hg speciation are derived from EPA (1999) guidance for soil. Please verify that these assumptions are valid for coal ash.*

    Response: The assumption for mercury speciation will be verified in the revised RI report.

25. Comment: *On page 5-85, it is stated that the lack of consideration for bioavailability "has the potential to greatly overestimate exposure to certain COPECs." Actually it has the potential to overestimate* ***toxicity,*** *not exposure. Please correct or clarify this statement.*

    Response: The text will be revised to more clearly address how bioavailability affects exposure and toxicity.

NRG can provide hard copies of the revised report at the request of DNREC-SIRS and upon acceptance of the responses contained herein. Please contact me with questions or for additional information at 302.540.0327 or via email at david.bacher@nrgenergy.com.

Sincerely,

David Bacher
Regional Manager, Environmental Business
NRG Energy

Attachments
Attachment A – Document Edits Detail
Attachment B – Technical Memorandum re: Response to Comment No. 5
Attachment C – Groundwater/Mass Loading Supporting Documentation
Attachment D – Revised Figure: Vegetative and Habitat Communities Map and Soil Sample Locations

cc: T. Ratsep, DNREC-SIRS (electronic)
E. Quirk-Hendry, NRG (electronic)
R. Whetzel, Richards, Layton & Finger (electronic)
R. Patel, NRG (electronic)
D. Gaier, NRG (electronic)
S. Arabia, NRG (electronic)
J. Sadowski, NRG (electronic + 1 hard copy)
D. Burton, NRG (electronic)
J. Grant, NRG (electronic)
D. Mannion, Shaw (electronic)
R. Wardrop, Shaw (electronic)
R. Prann, Shaw (electronic)
A. Steele, Shaw (electronic)

Attachment A
Document Edits Detail

Remedial Investigation Report for Operable Unit 2 – Responses to Comments
Burton Island Historical Ash Disposal Area, DE-1399
NRG-Indian River Power LLC

The edits identified in the table below are specific text, table, figure, and appendix revisions to the February 2011 draft document resulting from the DNREC-SIRS comment letter dated July 7, 2011.

DNREC-SIRS Comment No.	Section	Page No.	Revision
1	5.1.3.4	5-17	Last paragraph on page, 2nd sentence: "The soil adherence factor (0.11 mg/cm^2) used in this assessment is the average for the hands, arms, legs, face, and feet for gardeners presented in the USEPA's *Exposure Factors Handbook* (1997a)."
	5.1.4.1	5-25	Footnote of Table 5.1-10: "(a) Referenced from Health Effects Assessment Summary Tables (HEAST) (1997b)."
	5.1.4.2	5-26	2nd bullet: "Health Effects Assessment Summary Tables (HEAST; USEPA, 1997b), published annually by the USEPA."
	5.2	5-38	1st paragraph in section, 1st sentence: "…SLERAs be conducted according to *Ecological Risk Assessment Guidance for Superfund (ERAGS): Process for Designing and Conducting Ecological Risk Assessments* (USEPA, 1997c) and…"
	5.2	5-38	1st paragraph in section, 2nd sentence: "A SLERA encompasses Steps 1 and 2 of the USEPA's eight-step ecological risk assessment process (USEPA, 1997c)."
	5.2.5.2	5-80	Last paragraph on page, 5th sentence: "USEPA (1997c) guidance provides for the assessment of ecological communities and/or populations…"
	5.2.7	5-88	2nd paragraph on page, 1st sentence: "…SLERAs be conducted according to *Ecological Risk Assessment Guidance for Superfund: Process for Designing and Conducting Ecological Risk Assessments* (USEPA, 1997c) and…"
	5.2.7	5-88	2nd paragraph on page, 2nd sentence: "This SLERA constitutes Steps 1 and 2 of the USEPA's eight-step ecological risk assessment process (USEPA, 1997c)."
	5.2.7.4	5-94	Last paragraph on page, 2nd sentence: "USEPA (1997c) guidance provides for the assessment of ecological communities and/or populations…"
	6.1.3.2	6-6	First paragraph on page, 2nd sentence: "USEPA (1997c) guidance provides for the assessment of ecological communities and/or populations…"
2	1.2	1-9	First paragraph in section, remove the 2nd sentence beginning with "In the early 1950's,…" and revise the 3rd sentence to read as follows: "Delmarva Power & Light began using the eastern end of Burton Island for ash disposal when Unit 1 was placed in operation in 1957."
3	--	--	No changes to the report are necessary.

Attachment A
Document Edits Detail

Remedial Investigation Report for Operable Unit 2 – Responses to Comments
Burton Island Historical Ash Disposal Area, DE-1399
NRG-Indian River Power LLC

DNREC-SIRS Comment No.	Section	Page No.	Revision
4	7.0	7-3	The reference will be revised to read as follows: "Gano, R.D. Jr., 1996. *Assawoman Wildlife Area Management Plan*. <http://www.dnrec.delaware.gov/fw/Hunting/Documents/Wildlife%20Management%20Plans/Assawoman%20WMP%201996%20-%20Web%20Site%20Version%202003.pdf. > (July 20, 2011)."
5	--	--	No changes to the report are necessary.
6	--	--	No changes to the report are necessary.
7	--	--	No changes to the report are necessary.
8	5.1	numerous	Human health risks will be reported to one significant digit where appropriate
9	5.1.3	5-23	Last paragraph in section: The following sentence will replace the last sentence in the paragraph regarding fish advisories in the Delaware Inland Bays: "Additionally, there is a fish consumption advisory for Delaware Atlantic coastal waters including the Delaware Inland Bays recommending the consumption by adults of no more than one eight-ounce meal per year of bluefish greater than 14 inches for PCBs and mercury and none for women of childbearing age or for children (DNREC, 2009)."
	5.1.7	5-37	2nd paragraph on page, last sentence, same as above.
	5.2.1	5-42	1st paragraph on page, last sentence, same as above.
	5.2.7.1	5-90	2nd paragraph on page, last sentence, same as above.
	6.1.3.1	6-4	1st paragraph on page, last sentence, same as above.
	7.0	7-2	The following reference will be added: "Delaware Department of Natural Resources and Environmental Control (DNREC), 2009. *2009 Delaware Fish Consumption Advisories*, http://www.dnrec.delaware.gov/fw/Fisheries/Documents/DE%20Fish%20Advisory%20Chart%202009%20final.pdf."
10	--	--	No changes to the report are necessary.
11	--	--	No changes to the report are necessary.
12	5.1.5.4	5-31	1st paragraph on page, 2nd sentence will be revised to read as follows: "…marginally exceed DNREC's guidance of…"
	5.1.5.4	5-31	1st paragraph on page, last sentence will be revised to read as follows: "would be less than the recommended risk levels specified by USEPA (risk < 1.0×10^{-4} to 1.0×10^{-6}) and the DNREC guidance (risk < 1.0×10^{-5})."
13	3.1.2	3-3	The requested combined figure will replace Figure 3.1-1 in the revised RI Report.

Attachment A
Document Edits Detail

Remedial Investigation Report for Operable Unit 2 – Responses to Comments
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NRG-Indian River Power LLC

DNREC-SIRS Comment No.	Section	Page No.	Revision
14	5.2.1	5-42	The dates of the most recent correspondence from the DNREC Natural Heritage Program (2010), USFWS (2009), NMFS Habitat Conservation Division (2009), and NMFS Protected Resources Division (2007) will be included in the text on page 5-42 under the heading "Rare, Threatened and Endangered Species" as follows:
			1st paragraph under heading, revise 1st sentence: "…the USFWS, NMFS (Protected Resources and Habitat Conservation Divisions), and DNREC Natural Heritage and Endangered Species Program were requested to provide…"
			1st paragraph under heading, insert after the 1st sentence: "Copies of the most recent correspondence from these agencies is included in Appendix O."
			1st paragraph under heading, revise 2nd sentence: "The response from the USFWS (2009) indicated…"
			1st paragraph under heading, revise 3rd sentence: "The NMFS Protected Resources Division (2007) response indicated…"
			1st paragraph under heading, revise 4th sentence: "In addition, NMFS' responses (2007 and 2009) indicated…"
			2nd paragraph under heading, revise 2nd sentence: "…provided by the Delaware Natural Heritage Program regarding the field visit."
			2nd paragraph under heading, insert after 4th sentence: "The more recent response from Delaware Natural Heritage Program (2010) regarding the shoreline stabilization project area states that "A review of our database indicates that there are currently no records of state-rare or federally listed plants, animals or natural communities within the project area.""
	App. O	--	Copies of the most recent letters from the four agencies will be included in the new Appendix O of the revised RI Report.
15	--	--	No changes to the report are necessary.
16	5.2.3.5.2	5-59	Table 5.2-3 (and copies on page 5-79 and 5-93): Northern bobwhite will replace Canada goose as the surrogate species representing the herbivorous bird feeding guild in the terrestrial food web model.
	5.2.4.2.2	5-66	Table 5.2-5, same as above. The values will be recalculated.
	5.2.4.2.2	5-73	Table 5.2-8, same as above. The values will be recalculated.
	5.2.4.2.2	5-74	Table 5.2-9, same as above. The values will be recalculated.
	5.2.4.2.2	5-75	Table 5.2-10, same as above. The values will be recalculated.

Attachment A
Document Edits Detail

Remedial Investigation Report for Operable Unit 2 – Responses to Comments
Burton Island Historical Ash Disposal Area, DE-1399
NRG-Indian River Power LLC

DNREC-SIRS Comment No.	Section	Page No.	Revision
16 (cont.)	5.2.5.2	5-80	Table 5.2-12 (and copy on page 5-93), values for herbivorous bird will be revised based on Northern bobwhite.
	5.2.5.2	5-81	Table 5.2-13 (and copy on page 5-94), values for herbivorous bird will be revised based on Northern bobwhite.
	App. N	--	The values in Tables N-1 and N-11 will be revised based on Northern bobwhite.
17	Table 5.2-13	5-81	The LOAEL-based EHQ for methyl mercury and invertivorous birds in Table 5.2-13 will be replaced with the correct EHQ of 1.85E-01.
18	--	--	No changes to the report are necessary.
19	--	--	No changes to the report are necessary.
20	5.2.1	5-43	The following text will be inserted at the end of 1st paragraph on page: "The federally-listed as endangered Delmarva fox squirrel may have the potential to be present on Burton Island based on known locations on the Delmarva Peninsula and its habitat preferences; however, the DNREC Natural Heritage and Endangered Species Program (2010), USFWS (2009), and the NMFS (2009) do not list the Delmarva fox squirrel as currently inhabiting Burton Island."
21	5.2.3.5.2	5-57	1st paragraph in section, the following text will be inserted after the 3rd sentence: "No amphibians are known to inhabit marine or brackish environments in North America (Sparling, et al., 2000). Additionally, amphibian eggs and larvae have been shown to be adversely affected by salinity as low as 2 parts per thousand (ppt) (Karraker, et al., 2008 and Haramura, 2007) and 4 ppt salinity was shown to cause 100 percent lethality to amphibian eggs after two days of exposure (Haramura, 2007). Therefore, the salinity of the ponds found on OU2 (35.5 ppt in Pond SE, 10.7 ppt in Pond SW, and 40 ppt in Pond NE) would preclude the existence of breeding amphibians in these ponds."
	7.0	7-3	The following reference will be added: "Haramura, T., 2007. Salinity Tolerance of Eggs of *Buergeria japonica* (Amphibia, anura) Inhabiting Coastal Areas. ***Zoological Science***, 24: 820-823."
	7.0	7-3	The following reference will be added: "Karraker, N.E., J.P. Gibbs, and J.R. Vonesh, 2008. Impacts of Road Deicing Salt on the Demography of Vernal Pool-Breeding Amphibians. ***Ecological Applications***, 18(3): 724-734."
	7.0	7-4	The following reference will be added: "Sparling, D.W., G. Linder, C.A. Bishop, 2000. Ecotoxicology of Amphibians and Reptiles. Society of Environmental Toxicology and Chemistry (SETAC), p. 904."
22	5.2.4.1.2	5-61	2nd paragraph on page: The following citations will be inserted at the end of the 2nd sentence to support the statement that mammalian and avian TRVs are the most appropriate toxicity values for assessing upper trophic level risks: "(USEPA, 2005c and USEPA, 1999)."

DNREC-SIRS Comment No.	Section	Page No.	Revision
22 (cont.)	7.0	7-5	The following reference will be added: "U.S. Environmental Protection Agency (USEPA), 2005c. *Guidance for Developing Ecological Soil Screening Levels*. Office of Solid Waste and Emergency Response, Washington, DC. OSWER Directive 9285.7-55."
23	5.2.4.2.1	5-62 and 5-63	The variables for the equation terms will be included in the revised RI report.
24	5.2.4.2.2	5-65	Last paragraph on page, the following text will be inserted after the 2nd sentence: "Methyl-mercury is not produced in the coal combustion process (USEPA, 2005d and USEPA, 1997d) and is not initially present in coal ash. Methyl-mercury is formed from inorganic mercury by the action of anaerobic organisms that live in aquatic systems including lakes, rivers, wetlands, sediments, soils, and the open ocean. This methylation process converts inorganic mercury to methyl-mercury in the natural environment. There are a number of environmental, chemical, and physical factors that influence the mercury methylation process including, but not limited to the following (NCDENR, 2003): • mercury loading • mercury speciation • temperature • availability of organic substrate for sulfate-reducing bacteria • mercury de-methylation activity (by bacteria) • natural reduction-oxidation conditions • amount of photo-demethylation There is no evidence to suggest that under similar environmental conditions mercury in coal ash would methylate at different rates than mercury in soil, particularly since the coal ash at the Ash Site has been in place for a number of years."
	7.0	7-5	The following reference will be added: "U.S. Environmental Protection Agency (USEPA), 2005d. *Human Health Risk Assessment Protocol for Hazardous Waste Combustion Facilities*. Office of Solid Waste and Emergency Response, Washington, DC. EPA530-R-05-006."
	7.0	7-6	The following reference will be added: "U.S. Environmental Protection Agency (USEPA), 1997d. *Mercury Study Report to Congress*. Office of Air Quality Planning and Standards and Office of Research and Development, Washington, DC. EPA/452/R-97-001."

Attachment A
Document Edits Detail

Remedial Investigation Report for Operable Unit 2 – Responses to Comments
Burton Island Historical Ash Disposal Area, DE-1399
NRG-Indian River Power LLC

DNREC-SIRS Comment No.	Section	Page No.	Revision
24 (cont.)	7.0	7-3	The following reference will be added: "North Carolina Depart of Environment and Natural Resources (NCDENR), 2003. *Mercury Emissions and Mercury Controls for Coal-Fired Electrical Utility Boilers*. Division of Air Quality, Raleigh, NC."
25	5.2.6.6	5-85	2nd paragraph in section, the last sentence will be revised to read as follows: "This assumption has the potential to greatly overestimate exposures and the estimated toxicity of certain COPECs."

Shaw Environmental & Infrastructure, Inc.

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Memorandum

Date: **July 22, 2011**

To: **David Bacher, NRG**

CC: **Andrea Steele, Shaw**
Rick Greene, Shaw

From: **Arthur F. Eidson, Ph.D.**

RE: **Response to Comment No. 5 from DNREC-SIRS on the Remedial Investigation Report for OU2 at the Burton Island Historical Ash Disposal Area (DE-1399)**

As requested, I have reviewed the July 7, 2011 correspondence and minutes of the June 30, 2011 meeting to address comments by the Delaware Department of Natural Resources and Environmental Control (DNREC) – Site Investigation & Restoration Section (SIRS) on the Remedial Investigation Report for Operable Unit 2 at the Burton Island Historical Ash Disposal Area (DE-1399).

Comment 5: "No chemical data for uranium (U) or thorium (Th) were provided. U is chemically toxic (to kidneys) (http://www.atsdr.cdc.gov/ToxProflles/tp150.pdf as well as an alpha emitter. The report only provides specific activity (SA) data, not chemical analytical data.

Please present risk assessment references based on SA data that would allow correlation of SA levels to chemical data. Further, please estimate the risk posed by these elements at the Site, and demonstrate whether the SA levels measured indicate that the levels of U and Th present do not pose an unacceptable radiological or toxic risk to human or ecological receptors."

Response - The response to Comment 5 is addressed in three parts. First, the results of a comprehensive search for standards and criteria for comparison to site-specific data are presented. Second, the chemical data for uranium and thorium are presented. Third, the site-specific data are evaluated using a risk model to evaluate lifetime radiation doses.

Response – Human Health Benchmarks

A search of regulatory guidance was performed to locate human health benchmarks for uranium and thorium in fly ash and/or soil. The search included data from the U.S. Environmental Protection Agency (EPA), the Agency for Toxic Substances and Disease Registry (ATSDR), U.S. Department of Energy (DOE), state regulations, and other published sources. In general, there is limited information of standards or criteria for uranium and thorium presented in the regulatory documents. The regulatory benchmarks that might apply to uranium and thorium in environmental media at OU2 are the EPA Regional Screening Level (SL) values for soil (EPA, 2011) and the Maximum Contaminant Level (MCL) value established in the Safe Drinking Water Act. The SL value for uranium in soil is 230 mg/kg and is based on residential land use assumptions. The MCL concentration for uranium in drinking water is of 30 µg/L. No similar values have been established for thorium.

The findings of this search are detailed below. It should be noted that each of the references reviewed is listed even when no useable data was identified for the purpose of documenting the extent of the search.

U. S. Environmental Protection Agency (EPA)

- EPA - 40 CFR 61 has no subpart related to uranium or thorium nor coal fly ash; see http://www.epa.gov/radiation/laws/regs.html.

- EPA - *Recovered Materials Advisory Notice III*, SWH–FRL–6151–9. Notice of draft document for review; see *Federal Register* / Vol. 63, No. 165 / Wednesday, August 26, 1998. This document contains standards for use of fly ash in concrete and building materials, but no health protection standards related to U or Th content or radioactivity.

- EPA – Document on regulation of naturally occurring radioactive material (NORM) includes descriptions of maximum contaminant levels (MCLs) for groundwater as established in the Safe Drinking Water Act, but no other standards for uranium and thorium in fly ash. The MCL concentration for uranium in drinking water is 30 µg/L. No similar MCL concentration has been established for thorium. The MCL for radioactivity is described as gross (i.e., total) alpha and gross beta radioactivity. Thorium isotopes would be included in the standard established for these gross activity measurements.

- EPA – Screening levels for uranium in soil for assumed residential and industrial land use are provided in the Regional Screening Levels tables. These tables update other tables formerly compiled by EPA Regions 3, 6, and 9. (The DNREC values for uranium are based on the former EPA Region 3 tables.) The screening level (SL) concentrations of uranium soluble salts in soil for residential and industrial land use are 230 mg/kg and 3,130 mg/kg, respectively. These SL values correspond to non-cancer chemical toxicity. No similar SLs are given for thorium. See http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm.

- EPA – The EPA Integrated Risk Information System (IRIS) includes toxicity values for chemical health effects from exposure to uranium, which are incorporated into the above EPA Regional Screening Level tables. The IRIS toxicity values are the most reliable among all other sources according to EPA risk assessment guidance. There are no toxicity values given in IRIS for thorium toxicity. See http://cfpub.epa.gov/ncea/iris/index.cfm?fuseaction=iris.showSubstanceList&list_type=alpha&view=T The 1997 EPA Health Effects Assessment Summary Tables (HEAST) do not contain toxicity values for thorium.

Agency for Toxic Substances and Disease Registry (ATSDR)

- The ATSDR toxicity profile for thorium reports studies on radiotoxicity and does not contain descriptions of chemical toxicity thorium in humans. It states that for long term exposure (> 14 days) to thorium in air: *The health effects resulting from long term exposure of humans to air containing specific levels of thorium are not known.* Likewise for thorium in food and water. See Agency for Toxic Substances and Disease Registry (ATSDR). 1990. Toxicological profile for thorium. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

U. S. Department of Energy (DOE)

- DOE - DOE Order 458.1 Chg 2: Radiation Protection of the Public and the Environment. This order includes criteria for specific dose limits. Because OU2 coal fly ash contains uranium and thorium from natural sources, the pertinent section of the order is:

  Section 4b(1) referring to Public Dose Limit includes the criterion: "DOE radiological activities, including remedial actions and activities using Technologically Enhanced Naturally Occurring Radioactive Material (TENORM), must be conducted so that exposure of members of the public to ionizing radiation will:

  (a) Not cause a total effective dose (TED) exceeding 100 mrem (1mSv) in a year, an equivalent dose to the lens of the eye exceeding 1500 mrem (15 mSv) in a year, or an equivalent dose to the skin or extremities exceeding 5000 mrem (50 mSv) in a year, from all sources of ionizing radiation and exposure pathways that could contribute significantly to the total dose …"

State Regulations

State of Pennsylvania regulations for the beneficial reuse of fly ash are discussed in Chapter 47 of the proceedings of a conference on fly ash use sponsored by the Electric Power Research Institute (EPRI, 2001). These regulations apply to engineering and construction standards for use of fly ash and specifically address leaching potential of fly ash constituents.

State of Texas regulations on disposal of NORM waste are given in the Texas Administrative Code (TAC). Regulations referring to authorized NORM disposal methods are given in [16 TAC Part 1 Chap. 4, 4.614. A licensed person must dispose of NORM according to the provisions of EPA applicable requirements and transfer the waste for disposal to a person specifically licensed to receive waste containing NORM and that is licensed under requirements equivalent to those for uranium and thorium byproduct materials, and to a facility licensed in accordance with the requirements equivalent to those in the 10 CFR Part 61 by the Nuclear Regulatory Commission (NRC). Note that "byproduct material" waste refers to wastes from the mining and milling of uranium and do not apply to fly ash disposal.

Other Sources on Use and Disposal of Fly Ash

A study by the University of Florida described fly ash composition and leaching studies (Florida, 1992). No discussion of uranium or thorium toxicity is included. Health effects discussions are related to radiological properties of fly ash.

A 2001 symposium on uses of fly ash addressed standards for use in concrete, construction, and building materials (EPRI, 2001). No standards related to chemical toxicity of uranium and thorium are discussed. See
http://my.epri.com/portal/server.pt?space=CommunityPage&cached=true&parentname=ObjMgr&parentid=2&control=SetCommunity&CommunityID=405

Response – Chemical Data for U and Th
The mass concentrations of uranium and thorium can be calculated using the reported radioactivity concentrations and the specific activity (SA) of each isotope according to the equation:

$$M_i = A_i / SA_i$$

Where:

M_i = mass of isotope i (grams)
A_i = radioactivity of isotope i (Ci)
SA_i = specific activity of isotope i (Ci/g).

The SA values for the uranium and thorium isotopes measured in OU2 samples are given in Peterson (2007) and are applied as shown in Table 1.

The mass concentrations of each isotope and the total mass concentrations of uranium and thorium in sampled media are shown in Table 1. The maximum total uranium concentration in soil is 11.30 mg/kg, which is below the EPA (2011) Regional Screening Levels Table 1). The maximum total uranium concentrations in groundwater and pond surface water are 15.26 µg/L and 3.21 µg/L, respectively. The maximum uranium concentrations in both groundwater and surface water are below the MCL value of 30 µg/L established in the Safe Drinking Water Act. Therefore, the concentrations of uranium detected in various media at the site are significantly less than accepted standards.

Response – Estimation of Radiation Dose to Humans at OU2

Radiation doses to humans at the OU2 site were estimated using the RESRAD program (ANL, 2009). The RESRAD program was developed jointly by the DOE and the NRC to estimate future radiation doses associated with residual radionuclides in soil. The program was used to estimate the future radiation dose to humans located at the OU2 for 10,000 years in the future. The results of the calculations are shown in Attachment 1.

The following assumptions were made:

- No future residential development of the OU2 site will be made
- The radioactivity of residual uranium and thorium isotopes will be the maximum values shown in Table 1
- The area of OU2 is 100 acres
- The thickness of fly ash is 15 feet
- There is no cover layer over the fly ash
- A future worker at the site will occupy the site for 25 years
- The worker will be exposed to radioactivity by direct external gamma radiation, inhalation of dust, and incidental soil ingestion
- No groundwater impact is assumed as described in the draft document
- Default values of the RESRAD model were assumed for all other variables

The results indicate that the maximum radiation dose to a person at OU2 will be 38.07 mrem/yr and will occur at 3,288 years. The predominant contributor to the maximum dose is Th-232 (Figure 1). The predominant exposure pathway is external gamma exposure (Figures 2 through 4). Therefore, the maximum radiation dose from the site is significantly below the 100 mrem/yr protection criteria established by DOE.

Response – Summary

A literature review was conducted to identify chemical screening levels and standards that are applicable to conditions at the Ash Site. Those standards were identified for uranium in various environmental

media for uranium are the EPA SL value for soil (230 mg/kg, EPA, 2011) and the MCL concentration for uranium established in the Safe Drinking Water Act (30 µg/L. Calculated uranium chemical concentrations are compared to these benchmarks in Table 1. Similar chemical standards for thorium were not identified in the literature. Measured uranium and thorium SA levels were then converted to chemical concentrations using standard specific activity values (Peterson, 2007) and compared to the applicable standards identified previously. All of the estimated chemical concentrations of uranium at the Ash Site were less than the applicable standards. Radiological risks were estimated for industrial exposures using RESRAD and the calculated radiological risks were less than established standards. Therefore, both the chemical concentrations and SA levels for radionuclides at the Ash Site are less than levels that would pose human health risks.

References

Argonne National Laboratory (ANL), 2009. RESRAD Ver. 6.5, Environmental Sciences Division, Argonne National Laboratory, October.

DNREC, 2011a. Delaware Department of Natural Resources and Environmental Control (DNREC), June 2011. Minutes of meeting attended by DNREC, NRG Energy, and Shaw E&I representatives to address regulatory review comments.

DNREC, 2011b. Letter from Gregory M. DeCowsky of DNREC to David Bacher of NRG Energy dated July 7, 2011.

Peterson, John M.; MacDonell, Margaret M.; Haroun, Lynne A.; Monette, Frederick A.; Hildebrand, R. Douglas, 2007. *Radiological and Chemical Fact Sheets to Support Health Risk Analyses for Contaminated Areas*, Argonne National Laboratory, March.

University of Florida (Florida), 1992. *Utilization of Coal Fly Ash*, Florida Center for Solid And Hazardous Waste Management, Report #92-3, September.

Electric Power Research Institute (EPRI), 2001. *Proceedings of the 14th International Symposium on Management and Use of Coal Combustion Products (CCPs),* Volume 2, January.

U.S. Department of Energy (DOE), 2011. DOE Order 458.1 Chg 2, *Radiation Protection of the Public and the Environment*, Office of Health, Safety and Security, June 6.

U. S. Environmental Protection Agency (EPA) 2011.*Regional Screening Levels for Chemical Contaminants at Superfund Sites*, June update; see http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm

Table 1

Data Summary

Table 1
Uranium and Thorium Concentrations in Environmental Media
Burton Island Ash Disposal Area (OU 2)

Uranium and Thorium Concentrations in Soil Samples Based on Radioactivity Measurements

Sample ID	Uranium (pCi/g soil)						Thorium (pCi/g soil)					
	U-234		U-235		U-238		Th-228		Th-230		Th-232	
	Soil Concentration (Ai)	Specific Activity (SAi)	Soil Concentration (Mi)	Specific Activity (SAi)	Soil Concentration (Ai)	Specific Activity (SAi)	Soil Concentration (Ai)	Specific Activity (SAi)	Soil Concentration (Ai)	Specific Activity (SAi)	Soil Concentration (Ai)	Specific Activity (SAi)
	pCi U-234/g soil	pCi U-234/mg U-234	pCi U-235/g soil	pCi U-235/mg U-235	pCi U-238/mg soil	pCi U-238/mg U-238	pCi Th-228/g soil	pCi Th-228/mg Th-228	pCi Th-230/g soil	pCi Th-230/mg Th-230	pCi Th-232/g soil	pCi Th-232/mg Th-232
A 0-6	0.88	6.3E+06	0.056	2.2E+03	0.94	3.4E+02	0.91	8.3E+11	1.15	2.0E+07	0.94	1.1E+02
A 2-3	1.60	6.3E+06	0.049	2.2E+03	1.69	3.4E+02	1.46	8.3E+11	1.80	2.0E+07	1.37	1.1E+02
J 2-3	4.09	6.3E+06	0.176	2.2E+03	3.87	3.4E+02	3.07	8.3E+11	3.88	2.0E+07	3.04	1.1E+02
K 0-6	2.35	6.3E+06	0.095	2.2E+03	2.26	3.4E+02	2.10	8.3E+11	2.61	2.0E+07	2.04	1.1E+02
K 2-3	1.52	6.3E+06	0.086	2.2E+03	1.50	3.4E+02	1.75	8.3E+11	2.04	2.0E+07	1.81	1.1E+02
N 0-6	2.37	6.3E+06	0.086	2.2E+03	2.18	3.4E+02	2.06	8.3E+11	2.23	2.0E+07	2.07	1.1E+02
DUP 1 0-6	2.22	6.3E+06	0.118	2.2E+03	2.53	3.4E+02	2.23	8.3E+11	2.48	2.0E+07	2	1.1E+02
Maximum	4.09	6.3E+06	0.176	2.2E+03	3.87	3.4E+02	3.07	8.3E+11	3.88	2.0E+07	3.04	1.1E+02
Average	2.15	6.3E+06	0.102	2.2E+03	2.14	3.4E+02	1.94	8.3E+11	2.31	2.0E+07	1.90	1.1E+02
95% UCL of the Mean	3.09	6.3E+06	0.14	2.2E+03	3.00	3.4E+02	2.56	8.3E+11	3.09	2.0E+07	2.50	1.1E+02

Uranium and Thorium Concentrations in Pond Surface Water Based on Radioactivity Measurements

Sample ID	Uranium (pCi/L)						Thorium (pCi/L)					
	U-234		U-235		U-238		Th-228		Th-230		Th-232	
	Water Concentration (Ai)	Specific Activity (SAi)	Water Concentration (Mi)	Specific Activity (SAi)	Water Concentration (Mi)	Specific Activity (SAi)	Water Concentration (Mi)	Specific Activity (SAi)	Water Concentration (Mi)	Specific Activity (SAi)	Water Concentration (Mi)	Specific Activity (SAi)
	pCi U-234/L water	pCi U-234/mg U-234	pCi U-235/L	pCi U-235/mg U-235	pCi U-238/L	pCi U-238/mg U-238	pCi Th-228/L	pCi Th-228/mg Th-228	pCi Th-230/L	pCi Th-230/mg Th-230	pCi Th-232/L	pCi Th-232/mg Th-232
Pond SE-SW	1.32	6.3E+06	0.11	2.2E+03	0.81	3.4E+02	0.16 U	8.3E+11	0.24 J	2.0E+07	0.03 U	1.1E+02
Pond SW-SW	0.47	6.3E+06	0.031 U	2.2E+03	0.24	3.4E+02	0.05 U	8.3E+11	0.19 U	2.0E+07	0.021 U	1.1E+02
Pond NE-SW	0.18 B	6.3E+06	0.049 U	2.2E+03	0.20	3.4E+02	-0.0004 U	8.3E+11	0.19	2.0E+07	-0.022 U	1.1E+02
Pond SE DUP-SW	1.06	6.3E+06	0.052 U	2.2E+03	1.10	3.4E+02	0.28 B	8.3E+11	0.39 J	2.0E+07	0.046 U	1.1E+02

Uranium and Thorium Concentrations in Pond Sediment Based on Radioactivity Measurements

	Uranium (pCi isotope/g sediment)						Thorium (pCi isotope/g sediment)					
	Sediment Concentration (Ai)	Specific Activity (SA)	Sediment Concentration (Ai)	Specific Activity (SAi)	Sediment Concentration (Ai)	Specific Activity (SA)	Sediment Concentration (Ai)	Specific Activity (SAi)	Sediment Concentration (Ai)	Specific Activity (SAi)	Sediment Concentration (Ai)	Specific Activity (SAi)
	pCi U-234/g sediment	pCi U-234/mg U-234	pCi U-235/g sediment	pCi U-235/mg U-235	pCi U-238/mg sediment	pCi U-238/mg U-238	pCi Th-228/g sediment	pCi Th-228/mg Th-228	pCi Th-230/g sediment	pCi Th-230/mg Th-230	pCi Th-232/g sediment	pCi Th-232/mg Th-232
Sample ID	U-234		U-235		U-238		Th-228		Th-230		Th-232	
Pond SE-SD	0.32	6.3E+06	0.62	2.2E+03	0.42	3.4E+02	0.87	8.3E+11	0.060 U	2.0E+07	0.81	1.1E+02
Pond SW-SD	1.28	6.3E+06	1.31	2.2E+03	1.20	3.4E+02	1.44	8.3E+11	0.055	2.0E+07	1.45	1.1E+02
Pond NE-SD	0.42	6.3E+06	0.71	2.2E+03	0.47	3.4E+02	2.67	8.3E+11	0.092	2.0E+07	2.75	1.1E+02

Uranium and Thorium Concentrations in Groundwater Based on Radioactivity Measurements

	Uranium (pCi/L), Dissolved						Thorium (pCi/L), Dissolved					
	U-234		U-235/236		U-238		Th-228		Th-230		Th-232	
	Water Concentration (Ai)	Specific Activity (SAi)	Water Concentration (Mi)	Specific Activity (SAi)	Water Concentration (Mi)	Specific Activity (SAi)	Water Concentration (Mi)	Specific Activity (SAi)	Water Concentration (Mi)	Specific Activity (SAi)	Water Concentration (Mi)	Specific Activity (SAi)
Sample ID	pCi U-234/L water	pCi U-234/mg U-234	pCi U-235/L	pCi U-235/mg U-235	pCi U-238/L	pCi U-238/mg U-238	pCi Th-228/L	pCi Th-228/mg Th-228	pCi Th-230/L	pCi Th-230/mg Th-230	pCi Th-232/L	pCi Th-232/mg Th-232
MW-10	0.18 U	6.3E+06	-0.007 U	2.2E+03	0.39	3.4E+02	0.1 U	8.3E+11	0.11 U	2.0E+07	0.001 U	1.1E+02
MW-10D	0.002 U	6.3E+06	0.035 U	2.2E+03	0.10 U	3.4E+02	0.003 U	8.3E+11	0.09 U	2.0E+07	0.042 U	1.1E+02
MW-2	0.017 U	6.3E+06	0.049 U	2.2E+03	0.083 U	3.4E+02	-0.010 U	8.3E+11	0.23	2.0E+07	0.001 U	1.1E+02
MW-1	-0.014 U	6.3E+06	0.0 U	2.2E+03	0.08 U	3.4E+02	-0.006 U	8.3E+11	0.32 B	2.0E+07	-0.0047 U	1.1E+02
	Uranium (pCi/L), Total						Thorium (pCi/L), Total					
	U-234		U-235/236		U-238		Th-228		Th-230		Th-232	
	Water Concentration (Ai)	Specific Activity (SAi)	Water Concentration (Mi)	Specific Activity (SAi)	Water Concentration (Mi)	Specific Activity (SAi)	Water Concentration (Mi)	Specific Activity (SAi)	Water Concentration (Mi)	Specific Activity (SAi)	Water Concentration (Mi)	Specific Activity (SAi)
Sample ID	pCi U-234/L water	pCi U-234/mg U-234	pCi U-235/L	pCi U-235/mg U-235	pCi U-238/L	pCi U-238/mg U-238	pCi Th-228/L	pCi Th-228/mg Th-228	pCi Th-230/L	pCi Th-230/mg Th-230	pCi Th-232/L	pCi Th-232/mg Th-232
MW-10	--	6.3E+06	--	2.2E+03	--	3.4E+02	--	8.3E+11	--	2.0E+07	--	1.1E+02
MW-10D	0.05 U	6.3E+06	0.09 U	2.2E+03	0.05 U	3.4E+02	-0.15 UJ	8.3E+11	0.0007 UJ	2.0E+07	0.04 UJ	1.1E+02
MW-2	0.28	6.3E+06	-0.006 U	2.2E+03	0.27	3.4E+02	0.27	8.3E+11	0.37 B	2.0E+07	0.18	1.1E+02
MW-1	8.9	6.3E+06	0.39 U	2.2E+03	5.2	3.4E+02	0.11 U	8.3E+11	0.38 B	2.0E+07	0.32	1.1E+02

Footnotes shown on last page.

Table 1
Uranium and Thorium Concentrations in Environmental Media
Burton Island Ash Disposal Area (OU 2)

Uranium and Thorium Concentrations in Soil Samples Based on Specific Activity Calculations

Sample ID	Uranium (mg isotope/kg soil) [a]			Total U (mg U/kg soil)	Thorium (mg isotope/kg soil) [a]			Total Th (mg Th/kg soil)
	U-234	U-235	U-238		Th-228	Th-230	Th-232	
A 0-6	1.41E-04	2.58E-02	2.73	2.75	1.09E-09	5.52E-05	8.54	8.54
A 2-3	2.56E-04	2.25E-02	4.90	4.92	1.75E-09	8.64E-05	12.45	12.45
J 2-3	6.54E-04	8.10E-02	11.22	11.30	3.68E-09	1.86E-04	27.63	27.63
K 0-6	3.76E-04	4.37E-02	6.55	6.60	2.52E-09	1.25E-04	18.54	18.54
K 2-3	2.43E-04	3.96E-02	4.35	4.39	2.10E-09	9.79E-05	16.45	16.45
N 0-6	3.79E-04	3.96E-02	6.32	6.36	2.47E-09	1.07E-04	18.82	18.82
DUP 1 0-6	3.55E-04	5.43E-02	7.34	7.39	2.68E-09	1.19E-04	18.18	18.18
Maximum	6.54E-04	8.10E-02	11.22	11.30	3.68E-09	1.86E-04	27.63	27.63
Average	3.44E-04	4.68E-02	6.20	6.25	2.33E-09	1.11E-04	17.23	17.23
95% UCL of the Mean	4.94E-04	6.49E-02	8.71	8.77	3.08E-09	1.49E-04	22.74	22.74
			EPA Regional SL [b]	230			EPA Regional SL [b]	NE

Uranium and Thorium Concentrations in Pond Surface Water Based on Specific Activity Calculations

Sample ID	Uranium (µg isotope/L) [c]			Total U (µg U/L)	Thorium (µg isotope/L) [c]			Total Th (µg Th/L)
	U-234	U-235	U-238		Th-228	Th-230	Th-232	
Pond SE-SW	2.11E-04	5.06E-02	2.35	2.40	1.92E-10	1.15E-05	0.27	0.27
Pond SW-SW	7.52E-05	1.43E-02	0.70	0.71	6.00E-11	9.12E-06	0.19	0.19
Pond NE-SW	2.88E-05	2.25E-02	0.58	0.60	-4.80E-13	9.12E-06	-0.20	-0.20
Pond SE DUP-SW	1.70E-04	2.39E-02	3.19	3.21	3.36E-10	1.87E-05	0.42	0.42
			MCL [d]	30.00			MCL [d]	NE

Uranium and Thorium Concentrations in Pond Sediment Based on Specific Activity Calculations

Sample ID	Uranium (mg isotope/kg sediment) [a]			Total U (mg U/kg sediment)	Thorium (mg isotope/kg sediment) [a]			Total Th (mg Th/kg sediment)
	U-234	U-235	U-238		Th-228	Th-230	Th-232	
Pond SE-SD	5.12E-05	2.85E-01	1.22	1.50	1.04E-09	2.88E-06	7.36	7.36
Pond SW-SD	2.05E-04	6.03E-01	3.48	4.08	1.73E-09	2.64E-06	13.18	13.18
Pond NE-SD	6.72E-05	3.27E-01	1.36	1.69	3.20E-09	4.42E-06	25.00	25.00
			EPA Regional SL [b]	230			EPA Regional SL [b]	NE

Dissolved Uranium and Thorium Concentrations in Groundwater Based on Specific Activity Calculations

Sample ID	Uranium (µg/L), Dissolved			Total U (µg U/L)	Thorium (µg/L), Dissolved			Total Th (µg Th/L)
	U-234	U-235/236	U-238		Th-228	Th-230	Th-232	
MW-10	2.88E-05	-3.22E-03	1.13	1.13	1.20E-10	5.28E-06	0.01	0.01
MW-10D	3.20E-07	1.61E-02	0.29	0.31	3.60E-12	4.32E-06	0.38	0.38
MW-2	2.72E-06	2.25E-02	0.24	0.26	-1.20E-11	1.10E-05	0.01	0.01
MW-1	-2.24E-06	0.00E+00	0.23	0.23	-7.20E-12	1.54E-05	-0.04	-0.04

Total Uranium and Thorium Concentrations in Groundwater Based on Specific Activity Calculations

Sample ID	Uranium (µg/L), Total			Total U (µg U/L)	Thorium (µg/L), Total			Total Th (µg Th/L)
	U-234	U-235/236	U-238		Th-228	Th-230	Th-232	
MW-10	--	--	--		--	--	--	
MW-10D	8.00E-06	4.14E-02	0.15	0.19	-1.80E-10	3.36E-08	0.36	0.36
MW-2	4.48E-05	-2.76E-03	0.78	0.78	3.24E-10	1.78E-05	1.64	1.64
MW-1	1.42E-03	1.79E-01	15.08	15.26	1.32E-10	1.82E-05	2.91	2.91
			EPA Regional SL [b]	230			EPA Regional SL [b]	NE

a Isotope concentration calculated as Mi = (Ai/SAi) x 1000 g soil or sediment per kg soil or sediment
b EPA Regional Screening Level, *Regional Screening Levels for Chemical Contaminants at Superfund Sites* , June 2011 update; see
http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm
c Isotope concentration calculated as Mi = (Ai/SAi) x 1000 µg water per mg water
d Maximum Contaminant Level established in the Safe Drinking Water Act
pCi/L - pico-Curies per Liter
pCi/g - pico-Curies per gram
B: Parameter not detected above the level reported for laboratory or field blanks.
J: Result is less than the reporting limit (RL) but greater than the minimum detection limit (MDL) and the concentration is an estimated value.
L: Result contains a low bias.
NE: Not established
U: Indicates the analyte was analyzed for but not detected.

Attachment 1

Results of RESRAD Calculations

Summary : NRG-IRG Fly Ash, Industrial Default Parameters
File : C:\RESRAD_FAMILY\RESRAD\6.5\USERFILES\SITE3.RAD

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Dose Conversion Factor (and Related) Parameter Summary
Dose Library: FGR 12 & FGR 11

0 Menu	Parameter	Current Value#	Base Case*	Parameter Name
A-1	DCF's for external ground radiation, (mrem/yr)/(pCi/g)			
A-1	Ac-227 (Source: FGR 12)	4.951E-04	4.951E-04	DCF1(1)
A-1	Ac-228 (Source: FGR 12)	5.978E+00	5.978E+00	DCF1(2)
A-1	At-218 (Source: FGR 12)	5.847E-03	5.847E-03	DCF1(3)
A-1	Bi-210 (Source: FGR 12)	3.606E-03	3.606E-03	DCF1(4)
A-1	Bi-211 (Source: FGR 12)	2.559E-01	2.559E-01	DCF1(5)
A-1	Bi-212 (Source: FGR 12)	1.171E+00	1.171E+00	DCF1(6)
A-1	Bi-214 (Source: FGR 12)	9.808E+00	9.808E+00	DCF1(7)
A-1	Fr-223 (Source: FGR 12)	1.980E-01	1.980E-01	DCF1(8)
A-1	Pa-231 (Source: FGR 12)	1.906E-01	1.906E-01	DCF1(9)
A-1	Pa-234 (Source: FGR 12)	1.155E+01	1.155E+01	DCF1(10)
A-1	Pa-234m (Source: FGR 12)	8.967E-02	8.967E-02	DCF1(11)
A-1	Pb-210 (Source: FGR 12)	2.447E-03	2.447E-03	DCF1(12)
A-1	Pb-211 (Source: FGR 12)	3.064E-01	3.064E-01	DCF1(13)
A-1	Pb-212 (Source: FGR 12)	7.043E-01	7.043E-01	DCF1(14)
A-1	Pb-214 (Source: FGR 12)	1.341E+00	1.341E+00	DCF1(15)
A-1	Po-210 (Source: FGR 12)	5.231E-05	5.231E-05	DCF1(16)
A-1	Po-211 (Source: FGR 12)	4.764E-02	4.764E-02	DCF1(17)
A-1	Po-212 (Source: FGR 12)	0.000E+00	0.000E+00	DCF1(18)
A-1	Po-214 (Source: FGR 12)	5.138E-04	5.138E-04	DCF1(19)
A-1	Po-215 (Source: FGR 12)	1.016E-03	1.016E-03	DCF1(20)
A-1	Po-216 (Source: FGR 12)	1.042E-04	1.042E-04	DCF1(21)
A-1	Po-218 (Source: FGR 12)	5.642E-05	5.642E-05	DCF1(22)
A-1	Ra-223 (Source: FGR 12)	6.034E-01	6.034E-01	DCF1(23)
A-1	Ra-224 (Source: FGR 12)	5.119E-02	5.119E-02	DCF1(24)
A-1	Ra-226 (Source: FGR 12)	3.176E-02	3.176E-02	DCF1(25)
A-1	Ra-228 (Source: FGR 12)	0.000E+00	0.000E+00	DCF1(26)
A-1	Rn-219 (Source: FGR 12)	3.083E-01	3.083E-01	DCF1(27)
A-1	Rn-220 (Source: FGR 12)	2.298E-03	2.298E-03	DCF1(28)
A-1	Rn-222 (Source: FGR 12)	2.354E-03	2.354E-03	DCF1(29)
A-1	Th-227 (Source: FGR 12)	5.212E-01	5.212E-01	DCF1(30)
A-1	Th-228 (Source: FGR 12)	7.940E-03	7.940E-03	DCF1(31)
A-1	Th-230 (Source: FGR 12)	1.209E-03	1.209E-03	DCF1(32)
A-1	Th-231 (Source: FGR 12)	3.643E-02	3.643E-02	DCF1(33)
A-1	Th-232 (Source: FGR 12)	5.212E-04	5.212E-04	DCF1(34)
A-1	Th-234 (Source: FGR 12)	2.410E-02	2.410E-02	DCF1(35)
A-1	Tl-207 (Source: FGR 12)	1.980E-02	1.980E-02	DCF1(36)
A-1	Tl-208 (Source: FGR 12)	2.298E+01	2.298E+01	DCF1(37)
A-1	Tl-210 (Source: no data)	0.000E+00	-2.000E+00	DCF1(38)
A-1	U-234 (Source: FGR 12)	4.017E-04	4.017E-04	DCF1(39)
A-1	U-235 (Source: FGR 12)	7.211E-01	7.211E-01	DCF1(40)

```
A-1  ³ U-238    (Source: FGR 12)                                  ³ 1.031E-04 ³ 1.031E-04 ³ DCF1( 41)
     ³                                                            ³           ³           ³
B-1  ³ Dose conversion factors for inhalation, mrem/pCi:          ³           ³           ³
B-1  ³ Ac-227+D                                                   ³ 6.724E+00 ³ 6.700E+00 ³ DCF2(  1)
B-1  ³ Pa-231                                                     ³ 1.280E+00 ³ 1.280E+00 ³ DCF2(  2)
B-1  ³ Pb-210+D                                                   ³ 2.320E-02 ³ 1.360E-02 ³ DCF2(  3)
B-1  ³ Ra-226+D                                                   ³ 8.594E-03 ³ 8.580E-03 ³ DCF2(  4)
B-1  ³ Ra-228+D                                                   ³ 5.078E-03 ³ 4.770E-03 ³ DCF2(  5)
B-1  ³ Th-228+D                                                   ³ 3.454E-01 ³ 3.420E-01 ³ DCF2(  6)
```

Dose Conversion Factor (and Related) Parameter Summary (continued)
Dose Library: FGR 12 & FGR 11

Menu	Parameter	Current Value#	Base Case*	Parameter Name
B-1	Th-230	3.260E-01	3.260E-01	DCF2(7)
B-1	Th-232	1.640E+00	1.640E+00	DCF2(8)
B-1	U-234	1.320E-01	1.320E-01	DCF2(9)
B-1	U-235+D	1.230E-01	1.230E-01	DCF2(10)
B-1	U-238	1.180E-01	1.180E-01	DCF2(11)
B-1	U-238+D	1.180E-01	1.180E-01	DCF2(12)
D-1	Dose conversion factors for ingestion, mrem/pCi:			
D-1	Ac-227+D	1.480E-02	1.410E-02	DCF3(1)
D-1	Pa-231	1.060E-02	1.060E-02	DCF3(2)
D-1	Pb-210+D	7.276E-03	5.370E-03	DCF3(3)
D-1	Ra-226+D	1.321E-03	1.320E-03	DCF3(4)
D-1	Ra-228+D	1.442E-03	1.440E-03	DCF3(5)
D-1	Th-228+D	8.086E-04	3.960E-04	DCF3(6)
D-1	Th-230	5.480E-04	5.480E-04	DCF3(7)
D-1	Th-232	2.730E-03	2.730E-03	DCF3(8)
D-1	U-234	2.830E-04	2.830E-04	DCF3(9)
D-1	U-235+D	2.673E-04	2.660E-04	DCF3(10)
D-1	U-238	2.550E-04	2.550E-04	DCF3(11)
D-1	U-238+D	2.687E-04	2.550E-04	DCF3(12)
D-34	Food transfer factors:			
D-34	Ac-227+D , plant/soil concentration ratio, dimensionless	2.500E-03	2.500E-03	RTF(1,1)
D-34	Ac-227+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	2.000E-05	2.000E-05	RTF(1,2)
D-34	Ac-227+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	2.000E-05	2.000E-05	RTF(1,3)
D-34				
D-34	Pa-231 , plant/soil concentration ratio, dimensionless	1.000E-02	1.000E-02	RTF(2,1)
D-34	Pa-231 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	5.000E-03	5.000E-03	RTF(2,2)
D-34	Pa-231 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	5.000E-06	5.000E-06	RTF(2,3)
D-34				
D-34	Pb-210+D , plant/soil concentration ratio, dimensionless	1.000E-02	1.000E-02	RTF(3,1)
D-34	Pb-210+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	8.000E-04	8.000E-04	RTF(3,2)
D-34	Pb-210+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	3.000E-04	3.000E-04	RTF(3,3)
D-34				
D-34	Ra-226+D , plant/soil concentration ratio, dimensionless	4.000E-02	4.000E-02	RTF(4,1)
D-34	Ra-226+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-03	1.000E-03	RTF(4,2)
D-34	Ra-226+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	1.000E-03	1.000E-03	RTF(4,3)
D-34				
D-34	Ra-228+D , plant/soil concentration ratio, dimensionless	4.000E-02	4.000E-02	RTF(5,1)
D-34	Ra-228+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-03	1.000E-03	RTF(5,2)
D-34	Ra-228+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	1.000E-03	1.000E-03	RTF(5,3)

```
D-34 ³                                                              ³            ³            ³
D-34 ³ Th-228+D  , plant/soil concentration ratio, dimensionless   ³ 1.000E-03 ³ 1.000E-03 ³ RTF(  6,1)
D-34 ³ Th-228+D  , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)   ³ 1.000E-04 ³ 1.000E-04 ³ RTF(  6,2)
D-34 ³ Th-228+D  , milk/livestock-intake ratio, (pCi/L)/(pCi/d)    ³ 5.000E-06 ³ 5.000E-06 ³ RTF(  6,3)
D-34 ³                                                              ³            ³            ³
D-34 ³ Th-230    , plant/soil concentration ratio, dimensionless   ³ 1.000E-03 ³ 1.000E-03 ³ RTF(  7,1)
D-34 ³ Th-230    , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)   ³ 1.000E-04 ³ 1.000E-04 ³ RTF(  7,2)
D-34 ³ Th-230    , milk/livestock-intake ratio, (pCi/L)/(pCi/d)    ³ 5.000E-06 ³ 5.000E-06 ³ RTF(  7,3)
D-34 ³                                                              ³            ³            ³
```

Dose Conversion Factor (and Related) Parameter Summary (continued)
Dose Library: FGR 12 & FGR 11

Menu	Parameter	Current Value#	Base Case*	Parameter Name
D-34	Th-232 , plant/soil concentration ratio, dimensionless	1.000E-03	1.000E-03	RTF(8,1)
D-34	Th-232 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-04	1.000E-04	RTF(8,2)
D-34	Th-232 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	5.000E-06	5.000E-06	RTF(8,3)
D-34				
D-34	U-234 , plant/soil concentration ratio, dimensionless	2.500E-03	2.500E-03	RTF(9,1)
D-34	U-234 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	3.400E-04	3.400E-04	RTF(9,2)
D-34	U-234 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	6.000E-04	6.000E-04	RTF(9,3)
D-34				
D-34	U-235+D , plant/soil concentration ratio, dimensionless	2.500E-03	2.500E-03	RTF(10,1)
D-34	U-235+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	3.400E-04	3.400E-04	RTF(10,2)
D-34	U-235+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	6.000E-04	6.000E-04	RTF(10,3)
D-34				
D-34	U-238 , plant/soil concentration ratio, dimensionless	2.500E-03	2.500E-03	RTF(11,1)
D-34	U-238 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	3.400E-04	3.400E-04	RTF(11,2)
D-34	U-238 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	6.000E-04	6.000E-04	RTF(11,3)
D-34				
D-34	U-238+D , plant/soil concentration ratio, dimensionless	2.500E-03	2.500E-03	RTF(12,1)
D-34	U-238+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	3.400E-04	3.400E-04	RTF(12,2)
D-34	U-238+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	6.000E-04	6.000E-04	RTF(12,3)
D-5	Bioaccumulation factors, fresh water, L/kg:			
D-5	Ac-227+D , fish	1.500E+01	1.500E+01	BIOFAC(1,1)
D-5	Ac-227+D , crustacea and mollusks	1.000E+03	1.000E+03	BIOFAC(1,2)
D-5				
D-5	Pa-231 , fish	1.000E+01	1.000E+01	BIOFAC(2,1)
D-5	Pa-231 , crustacea and mollusks	1.100E+02	1.100E+02	BIOFAC(2,2)
D-5				
D-5	Pb-210+D , fish	3.000E+02	3.000E+02	BIOFAC(3,1)
D-5	Pb-210+D , crustacea and mollusks	1.000E+02	1.000E+02	BIOFAC(3,2)
D-5				
D-5	Ra-226+D , fish	5.000E+01	5.000E+01	BIOFAC(4,1)
D-5	Ra-226+D , crustacea and mollusks	2.500E+02	2.500E+02	BIOFAC(4,2)
D-5				
D-5	Ra-228+D , fish	5.000E+01	5.000E+01	BIOFAC(5,1)
D-5	Ra-228+D , crustacea and mollusks	2.500E+02	2.500E+02	BIOFAC(5,2)
D-5				
D-5	Th-228+D , fish	1.000E+02	1.000E+02	BIOFAC(6,1)
D-5	Th-228+D , crustacea and mollusks	5.000E+02	5.000E+02	BIOFAC(6,2)
D-5				
D-5	Th-230 , fish	1.000E+02	1.000E+02	BIOFAC(7,1)
D-5	Th-230 , crustacea and mollusks	5.000E+02	5.000E+02	BIOFAC(7,2)

```
D-5  ³                                                          ³           ³           ³
D-5  ³ Th-232    , fish                                         ³ 1.000E+02 ³ 1.000E+02 ³ BIOFAC(  8,1)
D-5  ³ Th-232    , crustacea and mollusks                       ³ 5.000E+02 ³ 5.000E+02 ³ BIOFAC(  8,2)
D-5  ³                                                          ³           ³           ³
D-5  ³ U-234     , fish                                         ³ 1.000E+01 ³ 1.000E+01 ³ BIOFAC(  9,1)
D-5  ³ U-234     , crustacea and mollusks                       ³ 6.000E+01 ³ 6.000E+01 ³ BIOFAC(  9,2)
D-5  ³                                                          ³           ³           ³
D-5  ³ U-235+D   , fish                                         ³ 1.000E+01 ³ 1.000E+01 ³ BIOFAC( 10,1)
D-5  ³ U-235+D   , crustacea and mollusks                       ³ 6.000E+01 ³ 6.000E+01 ³ BIOFAC( 10,2)
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Dose Conversion Factor (and Related) Parameter Summary (continued)
Dose Library: FGR 12 & FGR 11

0 Menu	Parameter	Current Value#	Base Case*	Parameter Name
D-5	U-238 , fish	1.000E+01	1.000E+01	BIOFAC(11,1)
D-5	U-238 , crustacea and mollusks	6.000E+01	6.000E+01	BIOFAC(11,2)
D-5				
D-5	U-238+D , fish	1.000E+01	1.000E+01	BIOFAC(12,1)
D-5	U-238+D , crustacea and mollusks	6.000E+01	6.000E+01	BIOFAC(12,2)

#For DCF1(xxx) only, factors are for infinite depth & area. See ETFG table in Ground Pathway of Detailed Report.
*Base Case means Default.Lib w/o Associate Nuclide contributions.

Site-Specific Parameter Summary

0 Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R011	Area of contaminated zone (m**2)	4.047E+05	1.000E+04	---	AREA
R011	Thickness of contaminated zone (m)	5.000E+00	2.000E+00	---	THICK0
R011	Fraction of contamination that is submerged	0.000E+00	0.000E+00	---	SUBMFRACT
R011	Length parallel to aquifer flow (m)	not used	1.000E+02	---	LCZPAQ
R011	Basic radiation dose limit (mrem/yr)	1.000E+02	3.000E+01	---	BRDL
R011	Time since placement of material (yr)	0.000E+00	0.000E+00	---	TI
R011	Times for calculations (yr)	1.000E+00	1.000E+00	---	T(2)
R011	Times for calculations (yr)	3.000E+00	3.000E+00	---	T(3)
R011	Times for calculations (yr)	1.000E+01	1.000E+01	---	T(4)
R011	Times for calculations (yr)	3.000E+01	3.000E+01	---	T(5)
R011	Times for calculations (yr)	1.000E+02	1.000E+02	---	T(6)
R011	Times for calculations (yr)	3.000E+02	3.000E+02	---	T(7)
R011	Times for calculations (yr)	1.000E+03	1.000E+03	---	T(8)
R011	Times for calculations (yr)	1.000E+04	0.000E+00	---	T(9)
R011	Times for calculations (yr)	not used	0.000E+00	---	T(10)
R012	Initial principal radionuclide (pCi/g): Th-228	3.070E+00	0.000E+00	---	S1(6)
R012	Initial principal radionuclide (pCi/g): Th-230	3.880E+00	0.000E+00	---	S1(7)
R012	Initial principal radionuclide (pCi/g): Th-232	3.040E+00	0.000E+00	---	S1(8)
R012	Initial principal radionuclide (pCi/g): U-234	4.090E+00	0.000E+00	---	S1(9)
R012	Initial principal radionuclide (pCi/g): U-235	1.760E-01	0.000E+00	---	S1(10)
R012	Initial principal radionuclide (pCi/g): U-238	3.870E+00	0.000E+00	---	S1(11)
R012	Concentration in groundwater (pCi/L): Th-228	not used	0.000E+00	---	W1(6)
R012	Concentration in groundwater (pCi/L): Th-230	not used	0.000E+00	---	W1(7)
R012	Concentration in groundwater (pCi/L): Th-232	not used	0.000E+00	---	W1(8)
R012	Concentration in groundwater (pCi/L): U-234	not used	0.000E+00	---	W1(9)
R012	Concentration in groundwater (pCi/L): U-235	not used	0.000E+00	---	W1(10)
R012	Concentration in groundwater (pCi/L): U-238	not used	0.000E+00	---	W1(11)
R013	Cover depth (m)	0.000E+00	0.000E+00	---	COVER0
R013	Density of cover material (g/cm**3)	not used	1.500E+00	---	DENSCV
R013	Cover depth erosion rate (m/yr)	not used	1.000E-03	---	VCV
R013	Density of contaminated zone (g/cm**3)	1.500E+00	1.500E+00	---	DENSCZ
R013	Contaminated zone erosion rate (m/yr)	1.000E-03	1.000E-03	---	VCZ
R013	Contaminated zone total porosity	4.000E-01	4.000E-01	---	TPCZ
R013	Contaminated zone field capacity	2.000E-01	2.000E-01	---	FCCZ
R013	Contaminated zone hydraulic conductivity (m/yr)	1.000E+01	1.000E+01	---	HCCZ
R013	Contaminated zone b parameter	5.300E+00	5.300E+00	---	BCZ
R013	Average annual wind speed (m/sec)	2.000E+00	2.000E+00	---	WIND
R013	Humidity in air (g/m**3)	not used	8.000E+00	---	HUMID
R013	Evapotranspiration coefficient	5.000E-01	5.000E-01	---	EVAPTR
R013	Precipitation (m/yr)	1.000E+00	1.000E+00	---	PRECIP

R013	Irrigation (m/yr)	2.000E-01	2.000E-01	---	RI
R013	Irrigation mode	overhead	overhead	---	IDITCH
R013	Runoff coefficient	2.000E-01	2.000E-01	---	RUNOFF
R013	Watershed area for nearby stream or pond (m**2)	not used	1.000E+06	---	WAREA
R013	Accuracy for water/soil computations	not used	1.000E-03	---	EPS
R014	Density of saturated zone (g/cm**3)	not used	1.500E+00	---	DENSAQ
R014	Saturated zone total porosity	not used	4.000E-01	---	TPSZ

Site-Specific Parameter Summary (continued)

0 Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R014	Saturated zone effective porosity	not used	2.000E-01	---	EPSZ
R014	Saturated zone field capacity	not used	2.000E-01	---	FCSZ
R014	Saturated zone hydraulic conductivity (m/yr)	not used	1.000E+02	---	HCSZ
R014	Saturated zone hydraulic gradient	not used	2.000E-02	---	HGWT
R014	Saturated zone b parameter	not used	5.300E+00	---	BSZ
R014	Water table drop rate (m/yr)	not used	1.000E-03	---	VWT
R014	Well pump intake depth (m below water table)	not used	1.000E+01	---	DWIBWT
R014	Model: Nondispersion (ND) or Mass-Balance (MB)	not used	ND	---	MODEL
R014	Well pumping rate (m**3/yr)	not used	2.500E+02	---	UW
R015	Number of unsaturated zone strata	not used	1	---	NS
R015	Unsat. zone 1, thickness (m)	not used	4.000E+00	---	H(1)
R015	Unsat. zone 1, soil density (g/cm**3)	not used	1.500E+00	---	DENSUZ(1)
R015	Unsat. zone 1, total porosity	not used	4.000E-01	---	TPUZ(1)
R015	Unsat. zone 1, effective porosity	not used	2.000E-01	---	EPUZ(1)
R015	Unsat. zone 1, field capacity	not used	2.000E-01	---	FCUZ(1)
R015	Unsat. zone 1, soil-specific b parameter	not used	5.300E+00	---	BUZ(1)
R015	Unsat. zone 1, hydraulic conductivity (m/yr)	not used	1.000E+01	---	HCUZ(1)
R016	Distribution coefficients for Th-228				
R016	Contaminated zone (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCC(6)
R016	Unsaturated zone 1 (cm**3/g)	not used	6.000E+04	---	DCNUCU(6,1)
R016	Saturated zone (cm**3/g)	not used	6.000E+04	---	DCNUCS(6)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	1.111E-06	ALEACH(6)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(6)
R016	Distribution coefficients for Th-230				
R016	Contaminated zone (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCC(7)
R016	Unsaturated zone 1 (cm**3/g)	not used	6.000E+04	---	DCNUCU(7,1)
R016	Saturated zone (cm**3/g)	not used	6.000E+04	---	DCNUCS(7)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	1.111E-06	ALEACH(7)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(7)
R016	Distribution coefficients for Th-232				
R016	Contaminated zone (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCC(8)
R016	Unsaturated zone 1 (cm**3/g)	not used	6.000E+04	---	DCNUCU(8,1)
R016	Saturated zone (cm**3/g)	not used	6.000E+04	---	DCNUCS(8)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	1.111E-06	ALEACH(8)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(8)
R016	Distribution coefficients for U-234				
R016	Contaminated zone (cm**3/g)	5.000E+01	5.000E+01	---	DCNUCC(9)

R016	3	Unsaturated zone 1 (cm**3/g)	3 not used	3 5.000E+01	---	3 DCNUCU(9,1)
R016	3	Saturated zone (cm**3/g)	3 not used	3 5.000E+01	---	3 DCNUCS(9)
R016	3	Leach rate (/yr)	3 0.000E+00	3 0.000E+00	1.328E-03	3 ALEACH(9)
R016	3	Solubility constant	3 0.000E+00	3 0.000E+00	not used	3 SOLUBK(9)

Site-Specific Parameter Summary (continued)

0 Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R016	Distribution coefficients for U-235				
R016	Contaminated zone (cm**3/g)	5.000E+01	5.000E+01	---	DCNUCC(10)
R016	Unsaturated zone 1 (cm**3/g)	not used	5.000E+01	---	DCNUCU(10,1)
R016	Saturated zone (cm**3/g)	not used	5.000E+01	---	DCNUCS(10)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	1.328E-03	ALEACH(10)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(10)
R016	Distribution coefficients for U-238				
R016	Contaminated zone (cm**3/g)	5.000E+01	5.000E+01	---	DCNUCC(11)
R016	Unsaturated zone 1 (cm**3/g)	not used	5.000E+01	---	DCNUCU(11,1)
R016	Saturated zone (cm**3/g)	not used	5.000E+01	---	DCNUCS(11)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	1.328E-03	ALEACH(11)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(11)
R016	Distribution coefficients for daughter Ac-227				
R016	Contaminated zone (cm**3/g)	2.000E+01	2.000E+01	---	DCNUCC(1)
R016	Unsaturated zone 1 (cm**3/g)	not used	2.000E+01	---	DCNUCU(1,1)
R016	Saturated zone (cm**3/g)	not used	2.000E+01	---	DCNUCS(1)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	3.298E-03	ALEACH(1)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(1)
R016	Distribution coefficients for daughter Pa-231				
R016	Contaminated zone (cm**3/g)	5.000E+01	5.000E+01	---	DCNUCC(2)
R016	Unsaturated zone 1 (cm**3/g)	not used	5.000E+01	---	DCNUCU(2,1)
R016	Saturated zone (cm**3/g)	not used	5.000E+01	---	DCNUCS(2)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	1.328E-03	ALEACH(2)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(2)
R016	Distribution coefficients for daughter Pb-210				
R016	Contaminated zone (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCC(3)
R016	Unsaturated zone 1 (cm**3/g)	not used	1.000E+02	---	DCNUCU(3,1)
R016	Saturated zone (cm**3/g)	not used	1.000E+02	---	DCNUCS(3)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	6.652E-04	ALEACH(3)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(3)
R016	Distribution coefficients for daughter Ra-226				
R016	Contaminated zone (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCC(4)
R016	Unsaturated zone 1 (cm**3/g)	not used	7.000E+01	---	DCNUCU(4,1)
R016	Saturated zone (cm**3/g)	not used	7.000E+01	---	DCNUCS(4)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	9.495E-04	ALEACH(4)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(4)

R016	Distribution coefficients for daughter Ra-228				
R016	Contaminated zone (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCC(5)
R016	Unsaturated zone 1 (cm**3/g)	not used	7.000E+01	---	DCNUCU(5,1)
R016	Saturated zone (cm**3/g)	not used	7.000E+01	---	DCNUCS(5)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	9.495E-04	ALEACH(5)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(5)
R017	Inhalation rate (m**3/yr)	8.400E+03	8.400E+03	---	INHALR

Site-Specific Parameter Summary (continued)

0 Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R017	Mass loading for inhalation (g/m**3)	1.000E-04	1.000E-04	---	MLINH
R017	Exposure duration	2.500E+01	3.000E+01	---	ED
R017	Shielding factor, inhalation	4.000E-01	4.000E-01	---	SHF3
R017	Shielding factor, external gamma	7.000E-01	7.000E-01	---	SHF1
R017	Fraction of time spent indoors	5.000E-01	5.000E-01	---	FIND
R017	Fraction of time spent outdoors (on site)	2.500E-01	2.500E-01	---	FOTD
R017	Shape factor flag, external gamma	1.000E+00	1.000E+00	>0 shows circular AREA.	FS
R017	Radii of shape factor array (used if FS = -1):				
R017	Outer annular radius (m), ring 1:	not used	5.000E+01	---	RAD_SHAPE(1)
R017	Outer annular radius (m), ring 2:	not used	7.071E+01	---	RAD_SHAPE(2)
R017	Outer annular radius (m), ring 3:	not used	0.000E+00	---	RAD_SHAPE(3)
R017	Outer annular radius (m), ring 4:	not used	0.000E+00	---	RAD_SHAPE(4)
R017	Outer annular radius (m), ring 5:	not used	0.000E+00	---	RAD_SHAPE(5)
R017	Outer annular radius (m), ring 6:	not used	0.000E+00	---	RAD_SHAPE(6)
R017	Outer annular radius (m), ring 7:	not used	0.000E+00	---	RAD_SHAPE(7)
R017	Outer annular radius (m), ring 8:	not used	0.000E+00	---	RAD_SHAPE(8)
R017	Outer annular radius (m), ring 9:	not used	0.000E+00	---	RAD_SHAPE(9)
R017	Outer annular radius (m), ring 10:	not used	0.000E+00	---	RAD_SHAPE(10)
R017	Outer annular radius (m), ring 11:	not used	0.000E+00	---	RAD_SHAPE(11)
R017	Outer annular radius (m), ring 12:	not used	0.000E+00	---	RAD_SHAPE(12)
R017	Fractions of annular areas within AREA:				
R017	Ring 1	not used	1.000E+00	---	FRACA(1)
R017	Ring 2	not used	2.732E-01	---	FRACA(2)
R017	Ring 3	not used	0.000E+00	---	FRACA(3)
R017	Ring 4	not used	0.000E+00	---	FRACA(4)
R017	Ring 5	not used	0.000E+00	---	FRACA(5)
R017	Ring 6	not used	0.000E+00	---	FRACA(6)
R017	Ring 7	not used	0.000E+00	---	FRACA(7)
R017	Ring 8	not used	0.000E+00	---	FRACA(8)
R017	Ring 9	not used	0.000E+00	---	FRACA(9)
R017	Ring 10	not used	0.000E+00	---	FRACA(10)
R017	Ring 11	not used	0.000E+00	---	FRACA(11)
R017	Ring 12	not used	0.000E+00	---	FRACA(12)
R018	Fruits, vegetables and grain consumption (kg/yr)	not used	1.600E+02	---	DIET(1)
R018	Leafy vegetable consumption (kg/yr)	not used	1.400E+01	---	DIET(2)
R018	Milk consumption (L/yr)	not used	9.200E+01	---	DIET(3)
R018	Meat and poultry consumption (kg/yr)	not used	6.300E+01	---	DIET(4)
R018	Fish consumption (kg/yr)	not used	5.400E+00	---	DIET(5)
R018	Other seafood consumption (kg/yr)	not used	9.000E-01	---	DIET(6)
R018	Soil ingestion rate (g/yr)	3.650E+01	3.650E+01	---	SOIL

R018	[3] Drinking water intake (L/yr)	[3] not used	[3] 5.100E+02	[3]	---	[3] DWI
R018	[3] Contamination fraction of drinking water	[3] not used	[3] 1.000E+00	[3]	---	[3] FDW
R018	[3] Contamination fraction of household water	[3] not used	[3] 1.000E+00	[3]	---	[3] FHHW
R018	[3] Contamination fraction of livestock water	[3] not used	[3] 1.000E+00	[3]	---	[3] FLW
R018	[3] Contamination fraction of irrigation water	[3] not used	[3] 1.000E+00	[3]	---	[3] FIRW
R018	[3] Contamination fraction of aquatic food	[3] not used	[3] 5.000E-01	[3]	---	[3] FR9
R018	[3] Contamination fraction of plant food	[3] not used	[3] -1	[3]	---	[3] FPLANT
R018	[3] Contamination fraction of meat	[3] not used	[3] -1	[3]	---	[3] FMEAT

Site-Specific Parameter Summary (continued)

Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R018	Contamination fraction of milk	not used	-1	---	FMILK
R019	Livestock fodder intake for meat (kg/day)	not used	6.800E+01	---	LFI5
R019	Livestock fodder intake for milk (kg/day)	not used	5.500E+01	---	LFI6
R019	Livestock water intake for meat (L/day)	not used	5.000E+01	---	LWI5
R019	Livestock water intake for milk (L/day)	not used	1.600E+02	---	LWI6
R019	Livestock soil intake (kg/day)	not used	5.000E-01	---	LSI
R019	Mass loading for foliar deposition (g/m**3)	not used	1.000E-04	---	MLFD
R019	Depth of soil mixing layer (m)	1.500E-01	1.500E-01	---	DM
R019	Depth of roots (m)	not used	9.000E-01	---	DROOT
R019	Drinking water fraction from ground water	not used	1.000E+00	---	FGWDW
R019	Household water fraction from ground water	not used	1.000E+00	---	FGWHH
R019	Livestock water fraction from ground water	not used	1.000E+00	---	FGWLW
R019	Irrigation fraction from ground water	not used	1.000E+00	---	FGWIR
R19B	Wet weight crop yield for Non-Leafy (kg/m**2)	not used	7.000E-01	---	YV(1)
R19B	Wet weight crop yield for Leafy (kg/m**2)	not used	1.500E+00	---	YV(2)
R19B	Wet weight crop yield for Fodder (kg/m**2)	not used	1.100E+00	---	YV(3)
R19B	Growing Season for Non-Leafy (years)	not used	1.700E-01	---	TE(1)
R19B	Growing Season for Leafy (years)	not used	2.500E-01	---	TE(2)
R19B	Growing Season for Fodder (years)	not used	8.000E-02	---	TE(3)
R19B	Translocation Factor for Non-Leafy	not used	1.000E-01	---	TIV(1)
R19B	Translocation Factor for Leafy	not used	1.000E+00	---	TIV(2)
R19B	Translocation Factor for Fodder	not used	1.000E+00	---	TIV(3)
R19B	Dry Foliar Interception Fraction for Non-Leafy	not used	2.500E-01	---	RDRY(1)
R19B	Dry Foliar Interception Fraction for Leafy	not used	2.500E-01	---	RDRY(2)
R19B	Dry Foliar Interception Fraction for Fodder	not used	2.500E-01	---	RDRY(3)
R19B	Wet Foliar Interception Fraction for Non-Leafy	not used	2.500E-01	---	RWET(1)
R19B	Wet Foliar Interception Fraction for Leafy	not used	2.500E-01	---	RWET(2)
R19B	Wet Foliar Interception Fraction for Fodder	not used	2.500E-01	---	RWET(3)
R19B	Weathering Removal Constant for Vegetation	not used	2.000E+01	---	WLAM
C14	C-12 concentration in water (g/cm**3)	not used	2.000E-05	---	C12WTR
C14	C-12 concentration in contaminated soil (g/g)	not used	3.000E-02	---	C12CZ
C14	Fraction of vegetation carbon from soil	not used	2.000E-02	---	CSOIL
C14	Fraction of vegetation carbon from air	not used	9.800E-01	---	CAIR
C14	C-14 evasion layer thickness in soil (m)	not used	3.000E-01	---	DMC
C14	C-14 evasion flux rate from soil (1/sec)	not used	7.000E-07	---	EVSN
C14	C-12 evasion flux rate from soil (1/sec)	not used	1.000E-10	---	REVSN
C14	Fraction of grain in beef cattle feed	not used	8.000E-01	---	AVFG4
C14	Fraction of grain in milk cow feed	not used	2.000E-01	---	AVFG5

STOR	Storage times of contaminated foodstuffs (days):				
STOR	Fruits, non-leafy vegetables, and grain	1.400E+01	1.400E+01	---	STOR_T(1)
STOR	Leafy vegetables	1.000E+00	1.000E+00	---	STOR_T(2)
STOR	Milk	1.000E+00	1.000E+00	---	STOR_T(3)
STOR	Meat and poultry	2.000E+01	2.000E+01	---	STOR_T(4)
STOR	Fish	7.000E+00	7.000E+00	---	STOR_T(5)
STOR	Crustacea and mollusks	7.000E+00	7.000E+00	---	STOR_T(6)
STOR	Well water	1.000E+00	1.000E+00	---	STOR_T(7)

Site-Specific Parameter Summary (continued)

0 Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
STOR	Surface water	1.000E+00	1.000E+00	---	STOR_T(8)
STOR	Livestock fodder	4.500E+01	4.500E+01	---	STOR_T(9)
R021	Thickness of building foundation (m)	not used	1.500E-01	---	FLOOR1
R021	Bulk density of building foundation (g/cm**3)	not used	2.400E+00	---	DENSFL
R021	Total porosity of the cover material	not used	4.000E-01	---	TPCV
R021	Total porosity of the building foundation	not used	1.000E-01	---	TPFL
R021	Volumetric water content of the cover material	not used	5.000E-02	---	PH2OCV
R021	Volumetric water content of the foundation	not used	3.000E-02	---	PH2OFL
R021	Diffusion coefficient for radon gas (m/sec):				
R021	in cover material	not used	2.000E-06	---	DIFCV
R021	in foundation material	not used	3.000E-07	---	DIFFL
R021	in contaminated zone soil	not used	2.000E-06	---	DIFCZ
R021	Radon vertical dimension of mixing (m)	not used	2.000E+00	---	HMIX
R021	Average building air exchange rate (1/hr)	not used	5.000E-01	---	REXG
R021	Height of the building (room) (m)	not used	2.500E+00	---	HRM
R021	Building interior area factor	not used	0.000E+00	---	FAI
R021	Building depth below ground surface (m)	not used	-1.000E+00	---	DMFL
R021	Emanating power of Rn-222 gas	not used	2.500E-01	---	EMANA(1)
R021	Emanating power of Rn-220 gas	not used	1.500E-01	---	EMANA(2)
TITL	Number of graphical time points	32	---	---	NPTS
TITL	Maximum number of integration points for dose	17	---	---	LYMAX
TITL	Maximum number of integration points for risk	257	---	---	KYMAX

Summary of Pathway Selections

Pathway	User Selection
1 -- external gamma	active
2 -- inhalation (w/o radon)	active
3 -- plant ingestion	suppressed
4 -- meat ingestion	suppressed
5 -- milk ingestion	suppressed
6 -- aquatic foods	suppressed
7 -- drinking water	suppressed
8 -- soil ingestion	active
9 -- radon	suppressed
Find peak pathway doses	active

Contaminated Zone Dimensions		Initial Soil Concentrations, pCi/g	
Area:	404686.00 square meters	Th-228	3.070E+00
Thickness:	5.00 meters	Th-230	3.880E+00
Cover Depth:	0.00 meters	Th-232	3.040E+00
		U-234	4.090E+00
		U-235	1.760E-01
		U-238	3.870E+00

0

Total Dose TDOSE(t), mrem/yr
Basic Radiation Dose Limit = 1.000E+02 mrem/yr
Total Mixture Sum M(t) = Fraction of Basic Dose Limit Received at Time (t)

t (years):	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	1.000E+04
TDOSE(t):	1.791E+01	1.493E+01	1.345E+01	2.065E+01	3.003E+01	3.166E+01	3.329E+01	3.644E+01	0.000E+00
M(t):	1.791E-01	1.493E-01	1.345E-01	2.065E-01	3.003E-01	3.166E-01	3.329E-01	3.644E-01	0.000E+00

0Maximum TDOSE(t): 3.807E+01 mrem/yr at t = 3288 ñ 7 years

0

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.288E+03 years

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Nuclide														
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-230	7.776E+00	0.2042	1.168E-01	0.0031	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.271E-01	0.0086
Th-232	2.882E+01	0.7570	5.578E-01	0.0147	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.115E-01	0.0108
U-234	5.285E-02	0.0014	1.457E-03	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.635E-03	0.0001
U-235	1.197E-03	0.0000	1.308E-04	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.168E-04	0.0000
U-238	4.532E-03	0.0001	5.451E-04	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.694E-04	0.0000
Total	3.665E+01	0.9627	6.767E-01	0.0178	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.418E-01	0.0195

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.288E+03 years

0

	Water Dependent Pathways													
0	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Radio- Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Nuclide														
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.220E+00	0.2159
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.979E+01	0.7824
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.694E-02	0.0015
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.444E-03	0.0000
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.447E-03	0.0001
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.807E+01	1.0000

0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 0.000E+00 years
0 Water Independent Pathways (Inhalation excludes radon)

0	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Radio- Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Th-228	1.556E+01	0.8688	8.241E-02	0.0046	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.700E-02	0.0032
Th-230	8.376E-03	0.0005	1.172E-01	0.0065	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.824E-02	0.0033
Th-232	7.441E-01	0.0415	4.626E-01	0.0258	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.346E-01	0.0131
U-234	9.829E-04	0.0001	4.999E-02	0.0028	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.166E-02	0.0018
U-235	7.953E-02	0.0044	2.005E-03	0.0001	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.288E-03	0.0001
U-238	3.490E-01	0.0195	4.230E-02	0.0024	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.845E-02	0.0016
Total	1.674E+01	0.9348	7.565E-01	0.0422	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.112E-01	0.0230

0

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 0.000E+00 years
0 Water Dependent Pathways

0	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Radio- Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.570E+01	0.8766
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.838E-01	0.0103
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.441E+00	0.0805
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.264E-02	0.0046
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.282E-02	0.0046
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.197E-01	0.0234
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.791E+01	1.0000

0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+00 years
0 Water Independent Pathways (Inhalation excludes radon)

0	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Radio- Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Th-228	1.083E+01	0.7255	5.736E-02	0.0038	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.968E-02	0.0027
Th-230	1.951E-02	0.0013	1.172E-01	0.0078	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.831E-02	0.0039
Th-232	2.506E+00	0.1679	4.660E-01	0.0312	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.496E-01	0.0167
U-234	9.817E-04	0.0001	4.992E-02	0.0033	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.162E-02	0.0021
U-235	7.942E-02	0.0053	2.003E-03	0.0001	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.287E-03	0.0001
U-238	3.485E-01	0.0233	4.224E-02	0.0028	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.841E-02	0.0019
Total	1.379E+01	0.9234	7.348E-01	0.0492	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.089E-01	0.0274

0

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+00 years
0 Water Dependent Pathways

0	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Radio- Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.093E+01	0.7320
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.950E-01	0.0131
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.222E+00	0.2158
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.253E-02	0.0055
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.271E-02	0.0055
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.192E-01	0.0281
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.493E+01	1.0000

0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+00 years

0 Water Independent Pathways (Inhalation excludes radon)

0	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Radio- Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Th-228	5.248E+00	0.3902	2.779E-02	0.0021	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.922E-02	0.0014
Th-230	4.172E-02	0.0031	1.172E-01	0.0087	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.848E-02	0.0043
Th-232	6.596E+00	0.4905	4.777E-01	0.0355	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.790E-01	0.0207
U-234	9.797E-04	0.0001	4.979E-02	0.0037	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.154E-02	0.0023
U-235	7.921E-02	0.0059	1.998E-03	0.0001	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.286E-03	0.0001
U-238	3.476E-01	0.0258	4.213E-02	0.0031	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.834E-02	0.0021
Total	1.231E+01	0.9156	7.167E-01	0.0533	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.179E-01	0.0311

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+00 years

0 Water Dependent Pathways

0	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Radio- Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.295E+00	0.3937
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.174E-01	0.0162
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.353E+00	0.5468
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.231E-02	0.0061
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.250E-02	0.0061
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.181E-01	0.0311
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.345E+01	1.0000

0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+01 years

0 Water Independent Pathways (Inhalation excludes radon)

0	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Radio-	ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ
Th-228	4.154E-01	0.0201	2.200E-03	0.0001	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.522E-03	0.0001
Th-230	1.190E-01	0.0058	1.172E-01	0.0057	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.935E-02	0.0029
Th-232	1.848E+01	0.8951	5.200E-01	0.0252	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.524E-01	0.0171
U-234	9.759E-04	0.0000	4.934E-02	0.0024	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.125E-02	0.0015
U-235	7.849E-02	0.0038	1.986E-03	0.0001	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.284E-03	0.0001
U-238	3.444E-01	0.0167	4.174E-02	0.0020	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.807E-02	0.0014
ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ
Total	1.944E+01	0.9416	7.325E-01	0.0355	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.739E-01	0.0230

0

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+01 years

0 Water Dependent Pathways

0	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Radio-	ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.192E-01	0.0203
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.955E-01	0.0143
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.935E+01	0.9374
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.157E-02	0.0040
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.176E-02	0.0040
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.142E-01	0.0201
ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.065E+01	1.0000

0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+01 years

0 Water Independent Pathways (Inhalation excludes radon)

0	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Radio-	ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ
Th-228	2.961E-04	0.0000	1.568E-06	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.085E-06	0.0000
Th-230	3.357E-01	0.0112	1.172E-01	0.0039	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.354E-02	0.0021
Th-232	2.799E+01	0.9320	5.562E-01	0.0185	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.076E-01	0.0136
U-234	9.931E-04	0.0000	4.807E-02	0.0016	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.044E-02	0.0010
U-235	7.648E-02	0.0025	1.963E-03	0.0001	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.284E-03	0.0000
U-238	3.354E-01	0.0112	4.065E-02	0.0014	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.734E-02	0.0009
ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ
Total	2.874E+01	0.9569	7.642E-01	0.0254	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.302E-01	0.0177

0

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+01 years

0 Water Dependent Pathways

0	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Radio-	ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.988E-04	0.0000
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.165E-01	0.0172
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.895E+01	0.9641
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.950E-02	0.0026
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.973E-02	0.0027
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.033E-01	0.0134
ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.003E+01	1.0000

0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+02 years

0 Water Independent Pathways (Inhalation excludes radon)

0	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Radio-	ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ
Th-228	2.863E-15	0.0000	1.516E-17	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.049E-17	0.0000
Th-230	1.049E+00	0.0331	1.174E-01	0.0037	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.564E-02	0.0027
Th-232	2.892E+01	0.9135	5.598E-01	0.0177	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.130E-01	0.0130
U-234	1.351E-03	0.0000	4.387E-02	0.0014	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.778E-02	0.0009
U-235	6.994E-02	0.0022	1.931E-03	0.0001	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.311E-03	0.0000
U-238	3.056E-01	0.0097	3.705E-02	0.0012	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.492E-02	0.0008
ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ
Total	3.035E+01	0.9585	7.601E-01	0.0240	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.526E-01	0.0175

0

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+02 years

0 Water Dependent Pathways

0	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Radio-	ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.888E-15	0.0000
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.252E+00	0.0395
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.989E+01	0.9442
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.300E-02	0.0023
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.318E-02	0.0023
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.676E-01	0.0116
ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.166E+01	1.0000

0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+02 years

0 Water Independent Pathways (Inhalation excludes radon)

0	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Radio-	ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-230	2.740E+00	0.0823	1.180E-01	0.0035	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.463E-01	0.0044
Th-232	2.892E+01	0.8686	5.597E-01	0.0168	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.129E-01	0.0124
U-234	4.320E-03	0.0001	3.381E-02	0.0010	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.149E-02	0.0006
U-235	5.425E-02	0.0016	1.831E-03	0.0001	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.339E-03	0.0000
U-238	2.343E-01	0.0070	2.843E-02	0.0009	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.912E-02	0.0006
ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ
Total	3.195E+01	0.9597	7.417E-01	0.0223	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.012E-01	0.0181

0

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+02 years

0 Water Dependent Pathways

0	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Radio-	ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.005E+00	0.0903
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.989E+01	0.8978
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.962E-02	0.0018
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.742E-02	0.0017
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.819E-01	0.0085
ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.329E+01	1.0000

0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+03 years

0 Water Independent Pathways (Inhalation excludes radon)

0	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Radio-	ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-230	6.009E+00	0.1649	1.186E-01	0.0033	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.642E-01	0.0073
Th-232	2.889E+01	0.7929	5.592E-01	0.0153	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.126E-01	0.0113
U-234	2.280E-02	0.0006	1.384E-02	0.0004	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.434E-03	0.0003
U-235	2.226E-02	0.0006	1.203E-03	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.863E-04	0.0000
U-238	9.253E-02	0.0025	1.125E-02	0.0003	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.565E-03	0.0002
ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ
Total	3.504E+01	0.9616	7.041E-01	0.0193	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.948E-01	0.0191

0

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+03 years

0 Water Dependent Pathways

0	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Radio-	ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄ
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.392E+00	0.1754
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.987E+01	0.8196
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.607E-02	0.0013
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.445E-02	0.0007
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.113E-01	0.0031
ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍ
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.644E+01	1.0000

0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+04 years

0 Water Independent Pathways (Inhalation excludes radon)

0	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Radio-	ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄ
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍ
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

0

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+04 years

0 Water Dependent Pathways

0	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Radio-	ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄ
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍ
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

0*Sum of all water independent and dependent pathways.

Dose/Source Ratios Summed Over All Pathways
Parent and Progeny Principal Radionuclide Contributions Indicated

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	1.000E+04
Th-228+D	Th-228+D	1.000E+00	5.114E+00	3.560E+00	1.725E+00	1.365E-01	9.732E-05	9.409E-16	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	4.593E-02	4.593E-02	4.593E-02	4.592E-02	4.592E-02	4.588E-02	4.579E-02	4.547E-02	0.000E+00
Th-230	Ra-226+D	1.000E+00	1.444E-03	4.328E-03	1.009E-02	3.011E-02	8.626E-02	2.709E-01	7.092E-01	1.556E+00	0.000E+00
Th-230	Pb-210+D	1.000E+00	4.563E-07	3.164E-06	1.637E-05	1.360E-04	9.388E-04	5.782E-03	1.946E-02	4.612E-02	0.000E+00
Th-230	äDSR(j)		4.737E-02	5.026E-02	5.603E-02	7.617E-02	1.331E-01	3.226E-01	7.744E-01	1.647E+00	0.000E+00
0Th-232	Th-232	1.000E+00	2.270E-01	2.270E-01	2.270E-01	2.270E-01	2.270E-01	2.270E-01	2.269E-01	2.267E-01	0.000E+00
Th-232	Ra-228+D	1.000E+00	2.077E-01	5.911E-01	1.231E+00	2.565E+00	3.471E+00	3.559E+00	3.558E+00	3.555E+00	0.000E+00
Th-232	Th-228+D	1.000E+00	3.941E-02	2.417E-01	9.603E-01	3.574E+00	5.825E+00	6.048E+00	6.047E+00	6.042E+00	0.000E+00
Th-232	äDSR(j)		4.741E-01	1.060E+00	2.419E+00	6.366E+00	9.523E+00	9.834E+00	9.832E+00	9.824E+00	0.000E+00
0U-234	U-234	1.000E+00	2.020E-02	2.018E-02	2.012E-02	1.994E-02	1.941E-02	1.769E-02	1.356E-02	5.341E-03	0.000E+00
U-234	Th-230	1.000E+00	2.066E-07	6.195E-07	1.444E-06	4.311E-06	1.236E-05	3.887E-05	1.022E-04	2.273E-04	0.000E+00
U-234	Ra-226+D	1.000E+00	4.331E-09	3.029E-08	1.598E-07	1.421E-06	1.177E-05	1.199E-04	8.979E-04	5.535E-03	0.000E+00
U-234	Pb-210+D	1.000E+00	1.028E-12	1.531E-11	1.757E-10	4.397E-09	9.180E-08	2.057E-06	2.245E-05	1.602E-04	0.000E+00
U-234	äDSR(j)		2.020E-02	2.018E-02	2.013E-02	1.994E-02	1.944E-02	1.785E-02	1.458E-02	1.126E-02	0.000E+00
0U-235+D	U-235+D	1.000E+00	4.706E-01	4.699E-01	4.687E-01	4.644E-01	4.522E-01	4.121E-01	3.160E-01	1.247E-01	0.000E+00
U-235+D	Pa-231	1.000E+00	5.521E-06	1.654E-05	3.850E-05	1.144E-04	3.236E-04	9.709E-04	2.221E-03	2.898E-03	0.000E+00
U-235+D	Ac-227+D	1.000E+00	2.477E-07	1.715E-06	8.850E-06	7.274E-05	4.887E-04	2.790E-03	8.044E-03	1.130E-02	0.000E+00
U-235+D	äDSR(j)		4.706E-01	4.700E-01	4.687E-01	4.645E-01	4.530E-01	4.158E-01	3.262E-01	1.389E-01	0.000E+00
0U-238	U-238	5.400E-05	9.700E-07	9.688E-07	9.662E-07	9.572E-07	9.322E-07	8.494E-07	6.513E-07	2.572E-07	0.000E+00
0U-238+D	U-238+D	9.999E-01	1.085E-01	1.083E-01	1.080E-01	1.070E-01	1.042E-01	9.497E-02	7.282E-02	2.875E-02	0.000E+00
U-238+D	U-234	9.999E-01	2.863E-08	8.579E-08	1.997E-07	5.934E-07	1.679E-06	5.040E-06	1.155E-05	1.517E-05	0.000E+00
U-238+D	Th-230	9.999E-01	1.952E-13	1.365E-12	7.205E-12	6.406E-11	5.306E-10	5.416E-09	4.069E-08	2.535E-07	0.000E+00
U-238+D	Ra-226+D	9.999E-01	3.069E-15	4.600E-14	5.356E-13	1.410E-11	3.381E-10	1.127E-08	2.467E-07	4.631E-06	0.000E+00
U-238+D	Pb-210+D	9.999E-01	5.836E-19	1.798E-17	4.469E-16	3.328E-14	2.065E-12	1.623E-10	5.656E-09	1.305E-07	0.000E+00
U-238+D	äDSR(j)		1.085E-01	1.083E-01	1.080E-01	1.070E-01	1.042E-01	9.498E-02	7.284E-02	2.877E-02	0.000E+00

The DSR includes contributions from associated (half-life ó 180 days) daughters.

Single Radionuclide Soil Guidelines G(i,t) in pCi/g
Basic Radiation Dose Limit = 1.000E+02 mrem/yr

0Nuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	1.000E+04
ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ
Th-228	1.955E+01	2.809E+01	5.798E+01	7.324E+02	1.028E+06	*8.195E+14	*8.195E+14	*8.195E+14	*8.195E+14
Th-230	2.111E+03	1.990E+03	1.785E+03	1.313E+03	7.512E+02	3.100E+02	1.291E+02	6.070E+01	*2.018E+10
Th-232	2.109E+02	9.435E+01	4.135E+01	1.571E+01	1.050E+01	1.017E+01	1.017E+01	1.018E+01	*1.097E+05
U-234	4.949E+03	4.956E+03	4.969E+03	5.014E+03	5.145E+03	5.603E+03	6.860E+03	8.878E+03	*6.247E+09
U-235	2.125E+02	2.128E+02	2.133E+02	2.153E+02	2.208E+02	2.405E+02	3.065E+02	7.197E+02	*2.161E+06
U-238	9.220E+02	9.233E+02	9.257E+02	9.343E+02	9.595E+02	1.053E+03	1.373E+03	3.476E+03	*3.361E+05
ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ

*At specific activity limit

0

Summed Dose/Source Ratios DSR(i,t) in (mrem/yr)/(pCi/g)
and Single Radionuclide Soil Guidelines G(i,t) in pCi/g
at tmin = time of minimum single radionuclide soil guideline
and at tmax = time of maximum total dose = 3288 ñ 7 years

0Nuclide (i)	Initial (pCi/g)	tmin (years)	DSR(i,tmin)	G(i,tmin) (pCi/g)	DSR(i,tmax)	G(i,tmax) (pCi/g)
ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ
Th-228	3.070E+00	0.000E+00	5.114E+00	1.955E+01	0.000E+00	*8.195E+14
Th-230	3.880E+00	3569 ñ 7	2.120E+00	4.717E+01	2.118E+00	4.720E+01
Th-232	3.040E+00	97.5 ñ 0.2	9.834E+00	1.017E+01	9.799E+00	1.021E+01
U-234	4.090E+00	0.000E+00	2.020E-02	4.949E+03	1.392E-02	7.183E+03
U-235	1.760E-01	0.000E+00	4.706E-01	2.125E+02	8.207E-03	1.218E+04
U-238	3.870E+00	0.000E+00	1.085E-01	9.220E+02	1.407E-03	7.105E+04
ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ

*At specific activity limit

Individual Nuclide Dose Summed Over All Pathways
Parent Nuclide and Branch Fraction Indicated

0Nuclide (j)	Parent (i)	THF(i)	DOSE(j,t), mrem/yr t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	1.000E+04
ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ
Th-228	Th-228	1.000E+00	1.570E+01	1.093E+01	5.295E+00	4.192E-01	2.988E-04	2.888E-15	0.000E+00	0.000E+00	0.000E+00
Th-228	Th-232	1.000E+00	1.198E-01	7.348E-01	2.919E+00	1.087E+01	1.771E+01	1.839E+01	1.838E+01	1.837E+01	0.000E+00
Th-228	äDOSE(j)		1.582E+01	1.166E+01	8.214E+00	1.129E+01	1.771E+01	1.839E+01	1.838E+01	1.837E+01	0.000E+00
0Th-230	Th-230	1.000E+00	1.782E-01	1.782E-01	1.782E-01	1.782E-01	1.782E-01	1.780E-01	1.777E-01	1.764E-01	0.000E+00
Th-230	U-234	1.000E+00	8.451E-07	2.534E-06	5.905E-06	1.763E-05	5.054E-05	1.590E-04	4.182E-04	9.295E-04	0.000E+00
Th-230	U-238	9.999E-01	7.555E-13	5.284E-12	2.788E-11	2.479E-10	2.054E-09	2.096E-08	1.575E-07	9.811E-07	0.000E+00
Th-230	äDOSE(j)		1.782E-01	1.782E-01	1.782E-01	1.782E-01	1.782E-01	1.782E-01	1.781E-01	1.773E-01	0.000E+00
0Ra-226	Th-230	1.000E+00	5.602E-03	1.679E-02	3.913E-02	1.168E-01	3.347E-01	1.051E+00	2.752E+00	6.036E+00	0.000E+00
Ra-226	U-234	1.000E+00	1.771E-08	1.239E-07	6.538E-07	5.812E-06	4.812E-05	4.905E-04	3.673E-03	2.264E-02	0.000E+00
Ra-226	U-238	9.999E-01	1.188E-14	1.780E-13	2.073E-12	5.458E-11	1.308E-09	4.361E-08	9.546E-07	1.792E-05	0.000E+00
Ra-226	äDOSE(j)		5.602E-03	1.679E-02	3.913E-02	1.168E-01	3.347E-01	1.052E+00	2.755E+00	6.059E+00	0.000E+00
0Pb-210	Th-230	1.000E+00	1.770E-06	1.228E-05	6.353E-05	5.276E-04	3.643E-03	2.243E-02	7.551E-02	1.789E-01	0.000E+00
Pb-210	U-234	1.000E+00	4.205E-12	6.262E-11	7.187E-10	1.798E-08	3.754E-07	8.412E-06	9.181E-05	6.553E-04	0.000E+00
Pb-210	U-238	9.999E-01	2.259E-18	6.958E-17	1.729E-15	1.288E-13	7.993E-12	6.281E-10	2.189E-08	5.052E-07	0.000E+00
Pb-210	äDOSE(j)		1.770E-06	1.228E-05	6.353E-05	5.276E-04	3.643E-03	2.244E-02	7.560E-02	1.796E-01	0.000E+00
0Th-232	Th-232	1.000E+00	6.901E-01	6.901E-01	6.901E-01	6.901E-01	6.901E-01	6.900E-01	6.898E-01	6.893E-01	0.000E+00
0Ra-228	Th-232	1.000E+00	6.315E-01	1.797E+00	3.743E+00	7.797E+00	1.055E+01	1.082E+01	1.082E+01	1.081E+01	0.000E+00
0U-234	U-234	1.000E+00	8.264E-02	8.253E-02	8.231E-02	8.154E-02	7.940E-02	7.234E-02	5.544E-02	2.184E-02	0.000E+00
U-234	U-238	9.999E-01	1.108E-07	3.320E-07	7.727E-07	2.297E-06	6.496E-06	1.950E-05	4.471E-05	5.871E-05	0.000E+00
U-234	äDOSE(j)		8.264E-02	8.253E-02	8.231E-02	8.155E-02	7.941E-02	7.236E-02	5.548E-02	2.190E-02	0.000E+00
0U-235	U-235	1.000E+00	8.282E-02	8.271E-02	8.249E-02	8.173E-02	7.958E-02	7.252E-02	5.561E-02	2.196E-02	0.000E+00
0Pa-231	U-235	1.000E+00	9.716E-07	2.911E-06	6.775E-06	2.014E-05	5.695E-05	1.709E-04	3.909E-04	5.101E-04	0.000E+00
0Ac-227	U-235	1.000E+00	4.359E-08	3.019E-07	1.558E-06	1.280E-05	8.600E-05	4.911E-04	1.416E-03	1.988E-03	0.000E+00
0U-238	U-238	5.400E-05	3.754E-06	3.749E-06	3.739E-06	3.705E-06	3.607E-06	3.287E-06	2.521E-06	9.952E-07	0.000E+00
U-238	U-238	9.999E-01	4.197E-01	4.192E-01	4.181E-01	4.142E-01	4.033E-01	3.675E-01	2.818E-01	1.113E-01	0.000E+00
U-238	äDOSE(j)		4.197E-01	4.192E-01	4.181E-01	4.142E-01	4.033E-01	3.675E-01	2.818E-01	1.113E-01	0.000E+00
ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ

THF(i) is the thread fraction of the parent nuclide.

Individual Nuclide Soil Concentration
Parent Nuclide and Branch Fraction Indicated

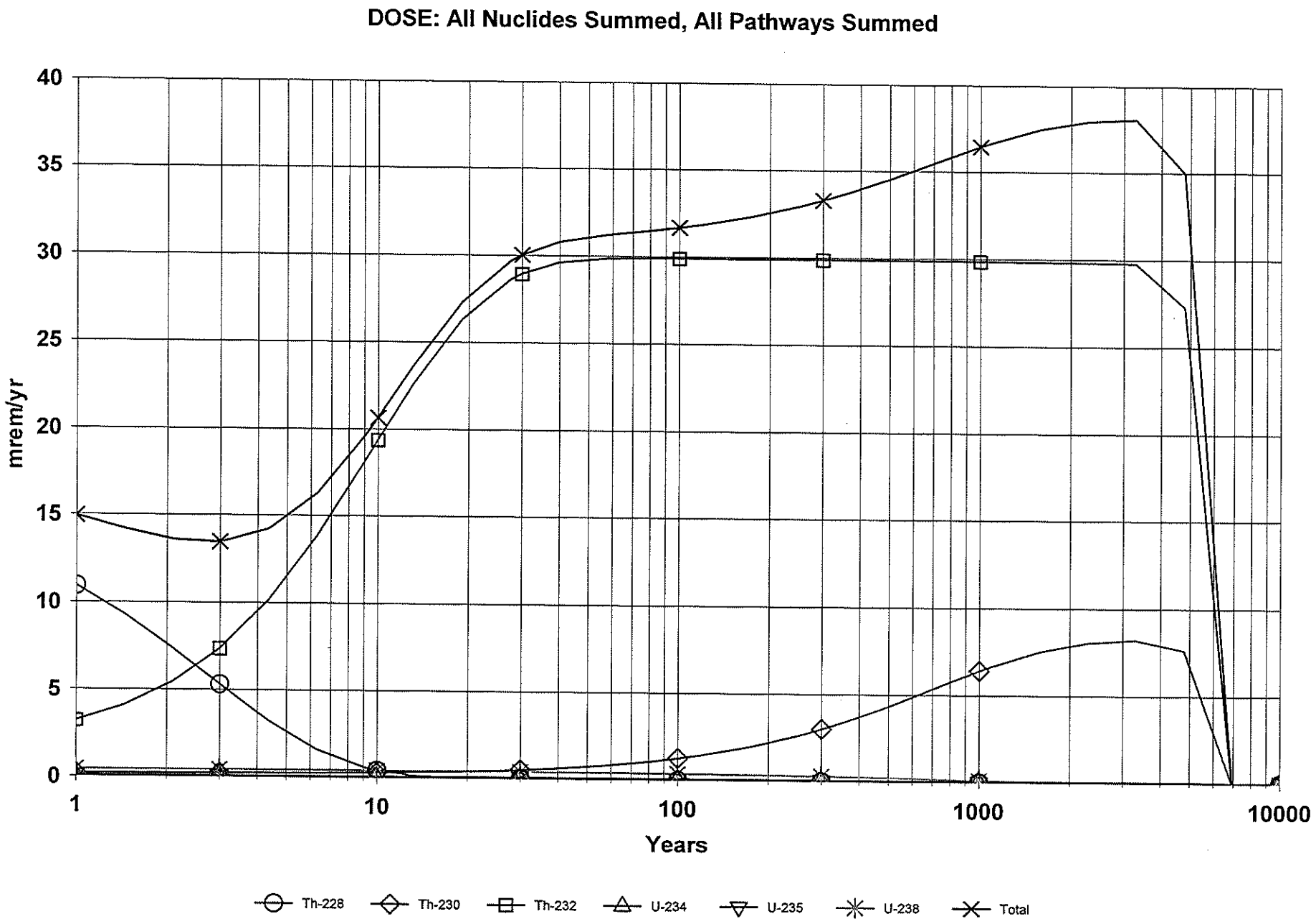
0Nuclide (j)	Parent (i)	THF(i)	S(j,t), pCi/g t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	1.000E+04
ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ
Th-228	Th-228	1.000E+00	3.070E+00	2.137E+00	1.035E+00	8.196E-02	5.842E-05	5.648E-16	0.000E+00	0.000E+00	0.000E+00
Th-228	Th-232	1.000E+00	0.000E+00	5.666E-02	3.776E-01	1.710E+00	2.898E+00	3.016E+00	3.015E+00	3.013E+00	2.983E+00
Th-228	äS(j):		3.070E+00	2.194E+00	1.413E+00	1.792E+00	2.898E+00	3.016E+00	3.015E+00	3.013E+00	2.983E+00
0Th-230	Th-230	1.000E+00	3.880E+00	3.880E+00	3.880E+00	3.880E+00	3.879E+00	3.876E+00	3.868E+00	3.841E+00	3.507E+00
Th-230	U-234	1.000E+00	0.000E+00	3.679E-05	1.102E-04	3.657E-04	1.083E-03	3.446E-03	9.092E-03	2.023E-02	2.520E-02
Th-230	U-238	9.999E-01	0.000E+00	4.933E-11	4.432E-10	4.894E-09	4.327E-08	4.520E-07	3.418E-06	2.135E-05	5.131E-05
Th-230	äS(j):		3.880E+00	3.880E+00	3.880E+00	3.880E+00	3.880E+00	3.880E+00	3.877E+00	3.861E+00	3.532E+00
0Ra-226	Th-230	1.000E+00	0.000E+00	1.680E-03	5.032E-03	1.669E-02	4.939E-02	1.569E-01	4.121E-01	9.050E-01	1.107E+00
Ra-226	U-234	1.000E+00	0.000E+00	7.968E-09	7.158E-08	7.903E-07	6.985E-06	7.287E-05	5.492E-04	3.393E-03	7.954E-03
Ra-226	U-238	9.999E-01	0.000E+00	7.123E-15	1.919E-13	7.059E-12	1.868E-10	6.446E-09	1.425E-07	2.685E-06	1.619E-05
Ra-226	äS(j):		0.000E+00	1.680E-03	5.032E-03	1.669E-02	4.939E-02	1.570E-01	4.126E-01	9.084E-01	1.115E+00
0Pb-210	Th-230	1.000E+00	0.000E+00	2.584E-05	2.275E-04	2.345E-03	1.727E-02	1.087E-01	3.678E-01	8.727E-01	1.084E+00
Pb-210	U-234	1.000E+00	0.000E+00	8.192E-11	2.174E-09	7.594E-08	1.749E-06	4.054E-05	4.465E-04	3.195E-03	7.790E-03
Pb-210	U-238	9.999E-01	0.000E+00	5.501E-17	4.393E-15	5.164E-13	3.660E-11	3.011E-09	1.063E-07	2.462E-06	1.586E-05
Pb-210	äS(j):		0.000E+00	2.584E-05	2.275E-04	2.345E-03	1.727E-02	1.088E-01	3.682E-01	8.759E-01	1.092E+00
0Th-232	Th-232	1.000E+00	3.040E+00	3.040E+00	3.040E+00	3.040E+00	3.040E+00	3.040E+00	3.039E+00	3.037E+00	3.006E+00
0Ra-228	Th-232	1.000E+00	0.000E+00	3.451E-01	9.213E-01	2.121E+00	2.937E+00	3.016E+00	3.015E+00	3.013E+00	2.983E+00
0U-234	U-234	1.000E+00	4.090E+00	4.085E+00	4.074E+00	4.036E+00	3.930E+00	3.580E+00	2.744E+00	1.081E+00	6.815E-06
U-234	U-238	9.999E-01	0.000E+00	1.096E-05	3.278E-05	1.083E-04	3.163E-04	9.605E-04	2.209E-03	2.904E-03	1.854E-07
U-234	äS(j):		4.090E+00	4.085E+00	4.074E+00	4.036E+00	3.930E+00	3.581E+00	2.746E+00	1.084E+00	7.001E-06
0U-235	U-235	1.000E+00	1.760E-01	1.758E-01	1.753E-01	1.737E-01	1.691E-01	1.541E-01	1.182E-01	4.666E-02	3.017E-07
0Pa-231	U-235	1.000E+00	0.000E+00	3.719E-06	1.113E-05	3.674E-05	1.073E-04	3.257E-04	7.478E-04	9.768E-04	5.754E-08
0Ac-227	U-235	1.000E+00	0.000E+00	5.853E-08	5.138E-07	5.242E-06	3.756E-05	2.191E-04	6.349E-04	8.929E-04	5.404E-08
0U-238	U-238	5.400E-05	2.090E-04	2.087E-04	2.081E-04	2.062E-04	2.008E-04	1.830E-04	1.403E-04	5.540E-05	3.582E-10
U-238	U-238	9.999E-01	3.870E+00	3.865E+00	3.854E+00	3.819E+00	3.719E+00	3.389E+00	2.598E+00	1.026E+00	6.634E-06
U-238	äS(j):		3.870E+00	3.865E+00	3.855E+00	3.819E+00	3.719E+00	3.389E+00	2.599E+00	1.026E+00	6.634E-06
ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ

THF(i) is the thread fraction of the parent nuclide.

0RESCALC.EXE execution time = 2.29 seconds

Figures

FIGURE 1.



C:\RESRAD_FAMILY\RESRAD\6.5\USERFILES\SITE3.RAD 07/19/2011 14:35 GRAPHICS.ASC Includes All Pathways

FIGURE 2.

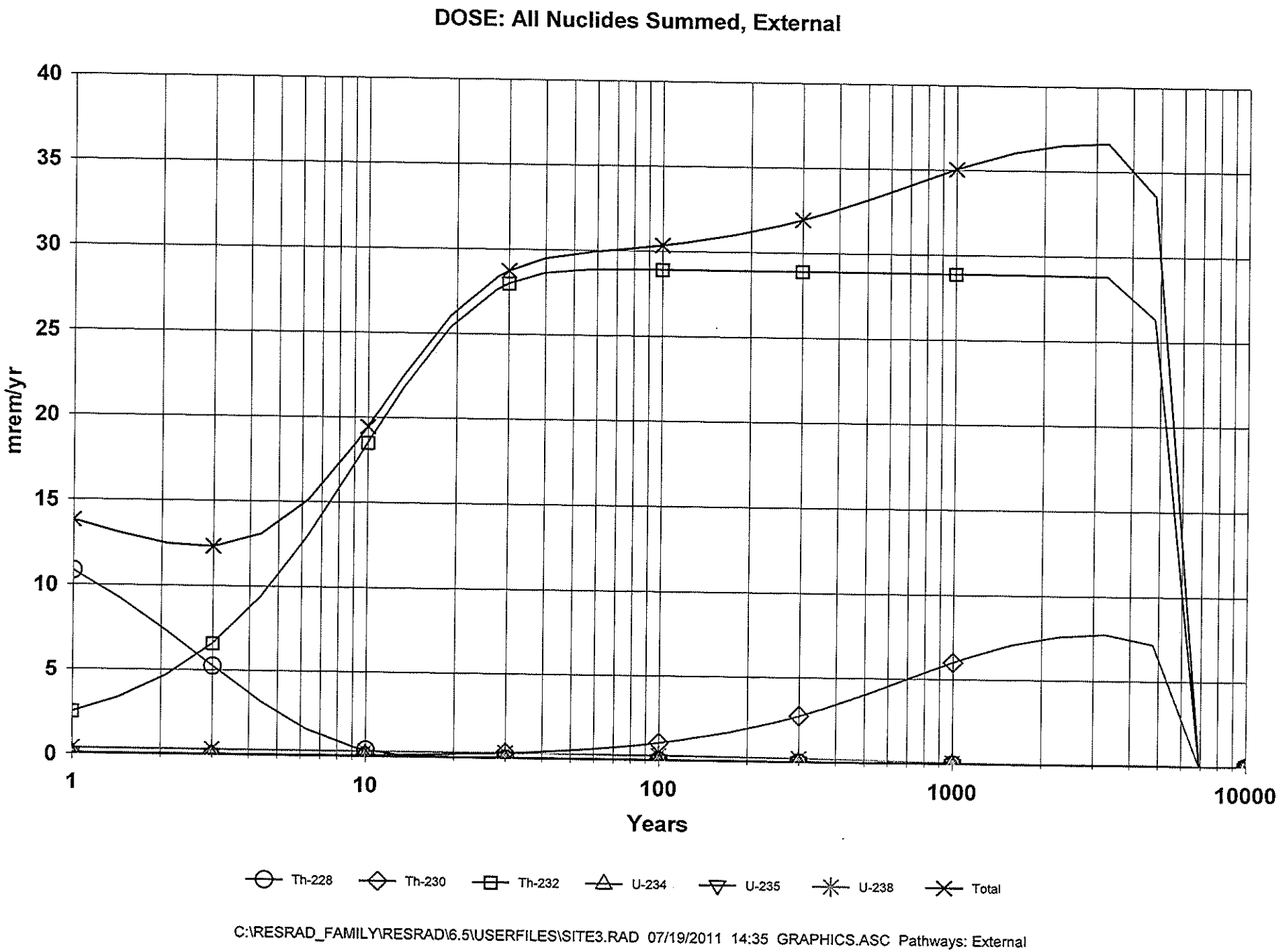

DOSE: All Nuclides Summed, External
mrem/yr
40
35
30
25
20
15
10
5
0
1
10
100
1000
10000
Years
Th-228
Th-230
Th-232
U-234
U-235
U-238
Total
C:\RESRAD_FAMILY\RESRAD\6.5\USERFILES\SITE3.RAD 07/19/2011 14:35 GRAPHICS.ASC Pathways: External

FIGURE 3.

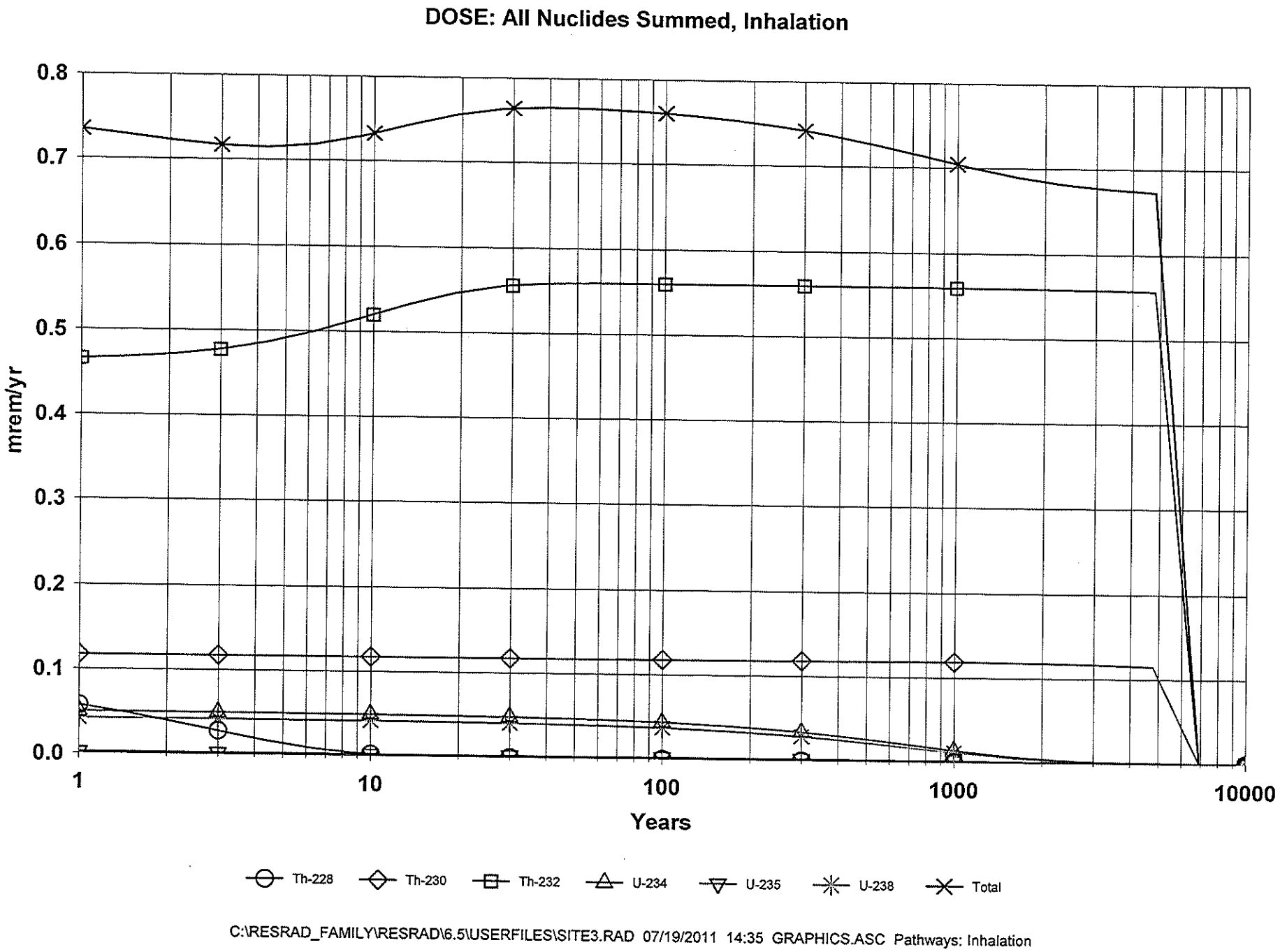
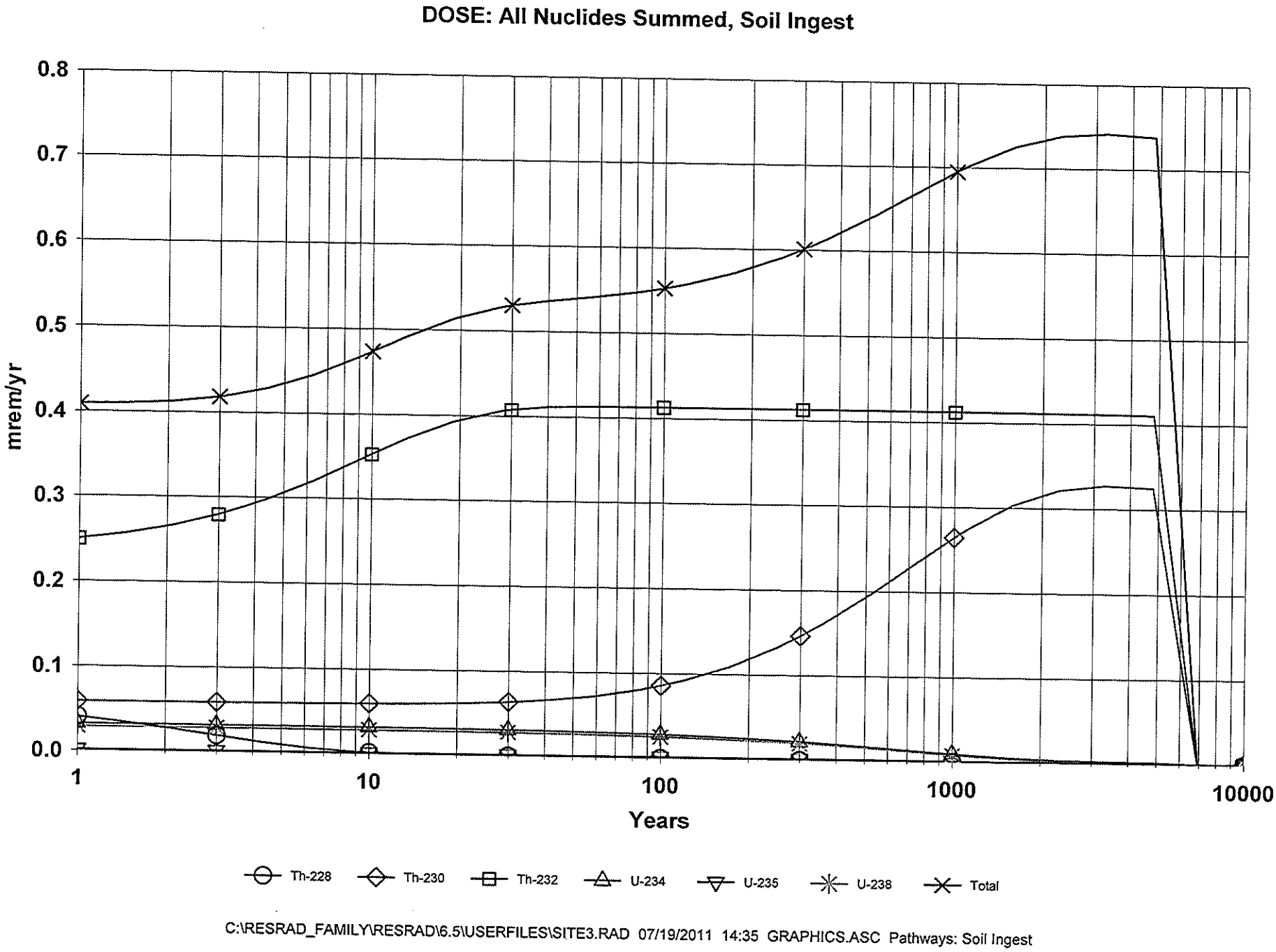

DOSE: All Nuclides Summed, Inhalation
mrem/yr
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
1
10
100
1000
10000
Years
Th-228
Th-230
Th-232
U-234
U-235
U-238
Total
C:\RESRAD_FAMILY\RESRAD\6.5\USERFILES\SITE3.RAD 07/19/2011 14:35 GRAPHICS.ASC Pathways: Inhalation

FIGURE 4.


DOSE: All Nuclides Summed, Soil Ingest
mrem/yr
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0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
1
10
100
1000
10000
Years
Th-228
Th-230
Th-232
U-234
U-235
U-238
Total
C:\RESRAD_FAMILY\RESRAD\6.5\USERFILES\SITE3.RAD 07/19/2011 14:35 GRAPHICS.ASC Pathways: Soil Ingest

RTC6 -1

Assessment of Arsenic Concentrations in Upper Indian River Due to Mass Loading from the Burton Island Historical Ash Disposal Area, Millsboro, DE Under Conditions of Sea Level Rise(a)

(a) This spreadsheet is a modified version of that provided in Attachment B of DNREC's Comment Letter of June 30, 2011 to NRG regarding the Remedial Investigation Report for OU2 at the Old Ash Landfilll entitled: "An Assessment of Arsenic Concentrations in Upper Indian River Due to Mass Loading from the Burton Island Historical Ash Disposal Area, Millsboro, DE"; hereinafter referred to as Comment Attachment B.
Prepared by: Rick Greene, DNREC Watershed Assessment
Date: March 25, 2011

Objectives: The purpose of this assessment is to determine whether arsenic loading from the Burton Island historical ash disposal area is expected to cause exceedances of applicable water quality criteria in upper Indian River under conditions of potential sea level rise (SLR) by year 2100, and if so, how frequently and under what circumstances those exceeedances are expected to occur. As per DNREC planning policy, SLR levels of 0.5, 1.0, and 1.5 meters were evaluated and compared to the assessment of the current condition presented in Comment Attachment B. This objective was accomplished through use of the simple steady-state, tidally-averaged mass balance model presented in Comment Attachment B, along with proper consideration of the water quality criteria. The modeling framework and underlying assumptions are described in Comment Attachment B.
The assessment presented in Comment Attachment B includes loading from the discharge of groundwater and from overland flow.
Under current conditions loading from overland flow was determined to be a minor portion of the total loading (4% or less).
This assessment includes estimated increases in arsenic concentrations from groundwater discharge under SLR conditions plus the minimal amount of concentration increase from overland flow under current conditions.
Increases in loading from SLR are attributed to the change in saturated thickness of the material underlying the site.
For this assessment, the low end concentration is derived from low end loading under current conditions with 0.5 meters of SLR and the high end concentration is derived from high end loading under current conditions with 1.5 meters of SLR.

Findings: Based on the modeling framework, assumptions, and criteria listed above, it is concluded that:

1. Under the low end groundwater loading scenario, the average increase in arsenic concentration in the Indian River near Burton Island over the 22+ year hindcast is 0.17 ug/L. The median (50th percentile) increase is 0.13 ug/L; the 99th percentile increase is 0.64 ug/L; and the maximum increase is 17.81 ug/L, which occurred on one day (8/30/1998) during an extreme low flow event. The second highest increase was 8.91 ug/L, which occurred the day after the maximum. Recall that 8/30/1998 is the day that the USGS recorded no flow over the spillway at Millsboro Pond and so a flow of 0.5 cfs was assigned as a part of this analysis in order to permit mass balance calculations.

By trial and error, it was determined that any flow less than 0.90 cfs at Millsboro Pond would result in an increase in arsenic concentration at Burton Island greater than 10 ug/L. Based on an analysis of flow frequencies,

a flow of 0.90 cfs is only expected to occur less than 0.0245% of the time, which is an extremely rare event.
Viewed from another perspective, the net advective flow moving through upper Indian River is large enough to keep the increase in arsenic concentration from the Burton Island loading less than 10 ug/L 99.98% of the time. Since the human health criterion of 10 ug/L is interpreted as a long-term average, we conclude with a high degree of confidence that the arsenic loading from the ash pile (under the low end loading scenario) is not likely to exceed the criterion by itself. Likewise, the low end arsenic mass loading from Burton Island was never large enough to cause an exceedance of the acute or chronic aquatic life criteria in Indian River near Burton Island. Of note, the maximum 4-day average concentration was predicted to be 6.86 ug/L (between 8/30/1998 and 9/2/1998). This is much less than the marine chronic aquatic life criterion of 36 ug/L, which is a 4-day average value not to be exceeded more than once in any 3 year period.

2. Under the high end groundwater loading scenario, the average increase in arsenic concentration in the Indian River near Burton Island over the 22+ year hindcast is 0.98 ug/L. The median (50th percentile) increase is 0.71 ug/L; the 99th percentile increase is 3.64 ug/L; and the maximum increase is 101.1 ug/L. Again, the maximum increase was predicted to occur on 8/30/98 during extreme low flow. And again, there is great uncertainty regarding what the actual flow was on that day and therefore there is associated uncertainty with the predicted increase in arsenic concentration. In addition to the high value predicted on 8/30/1998, the modeling indicates that the high end load may have been large enough to result in a concentration increase greater than 10 ug/L on 21 other days as well. That's 22 days out of 8,146 days or a frequency of 0.27%, which corresponds to days when the flow at Millsboro Pond falls below 5.0 cfs. This analysis also suggests that the net advective flow moving through upper Indian River is sufficient to keep the predicted increase less than 10 ug/L 99.73% of the time. Again, since the human health criterion of 10 ug/L is interpreted as a long-term average, we conclude that the mass loading from the Burton Island ash pile is not likely to exceed the human health criterion by itself, even under the high end groundwater loading scenario.
For aquatic life, the predicted increase in arsenic was large enough (101.1 ug/L) on a single day (8/30/1998) to potentially exceed the acute criterion of 69 ug/L. Recall however that this criterion is actually for trivalent arsenic, which, based upon high quality measurements performed elsewhere, is expected to represent no more than one half of the dissolved arsenic present. So, a very rough estimate of the dissolved trivalent arsenic concentration present on 8/30/1998 is 50.55 ug/L (= 101.1 / 2), which is less than the acute criterion. Even if all of the arsenic present was in the trivalent oxidation state, the frequency of occurrence, 1 day out of 8,146 days (or 22.3 yrs) is far less than the allowable frequency of 1 in 3 years. Finally, the maximum 4-day average increase in arsenic concentration in Indian River due to the Burton Island ash pile loading under the high end loading scenario is 38.9 ug/L. The chronic toxicity criterion of 36 ug/L like the acute criterion, applies to trivalent arsenic. If the predicted total dissolved concentration is divided by 2 to provide a worst case estimate of trivalent arsenic, then the maximum 4-day average concentration becomes 19.5 ug/L, which is less than the chronic criterion. Again, even if all of the arsenic present was dissolved trivalent arsenic, the frequency of occurrence is only 3 times in 22.3 years which is far less frequent than the allowable exceedance frequency of once in 3 years.

3. Summarizing, this anlysis used the SLR arsenic mass loading estimates provided by Shaw (2011) along with the conservative mass balance modeling framework developed for Comment Attachment B to assess the likelihood that the loading under SLR conditions would cause exceedances of applicable human health and aquatic life criteria in upper Indian River.
It is concluded that exceedances due to the Burton Island loading under SLR conditions would be extremely unlikely.

Table RTC6-1

Effect of Sea Level Rise (SLR) on mass loading from groundwate discharge

			Current Condition	SLR 0.5 m	SLR 1 m	SLR 1.5 m
Rise in Sea Level (ft)			0.00	1.64	3.28	4.92
Saturated Thickness of Discharge Window, b (ft)			85.00	86.64	88.28	89.92
% Change in Saturated Thickness			0%	2%	4%	6%
% Change in Loading Estimates			0%	2%	4%	6%
Loading Estimates (lbs./day)	Arsenic	Low End	0.067	0.177	0.287	0.397
		High End	0.366	0.966	1.566	2.167
	Barium	Low End	0.042	0.111	0.180	0.249
		High End	0.258	0.681	1.104	1.527
	Iron	Low End	1.76	4.646	7.533	10.419
		High End	14.120	37.277	60.434	83.590
	Manganese	Low End	0.037	0.098	0.158	0.219
		High End	0.28	0.739	1.198	1.658

Table RTC6-2

Summary of Results - Assessment of Arsenic Concentrations in Upper Indian River Due to Mass Loading from the Burton Island Historical Ash Disposal Area, Millsboro, DE Under Conditions of Sea Level Rise

	Increase in As from Load - Current Conditions[1]			Increase in As from Load - SLR Conditions		
	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Upper Bound (ug/L)	[As] Increase in Indian River Lower Bound with 0.5 m SLR (ug/L)	[As] Increase in Indian River Upper Bound with 1.5 m SLR (ug/L)	4-Day Average [As] Increase in Indian River Upper Bound (ug/L)
Maximum	17.55	95.59	36.79	17.81	101.07	38.90
Minimum	0.01	0.04	0.06	0.01	0.04	0.06
Average	0.17	0.93	0.93	0.17	0.98	0.98
Median	0.12	0.67	0.67	0.13	0.71	0.71
99th Percentile	0.63	3.44	3.52	0.64	3.64	3.72

	Current Conditions[1]		SLR Conditions	
	Low End	High End	Low End (0.5 m SLR)	High End (0.5 m SLR)
Days in 8146 over human health criteria of 10 ug/L	1	21	1	22
Minimal flow threshold at Mill Pond for > 10 ug/L As	0.87	4.780	0.9	5.06
Occurrence of minimal flow threshold	0.021%	0.260%	0.025%	0.270%
% time advective flow in Indian River keeps As less than 10 ug/L	99.98%	99.74%	99.98%	99.73%
Days exceeding acute aquatic life criteria (69 ug/L) in 8146 days	0	1	0	1
Days exceeding acute aquatic life criteria using 50% As(III) / As(V) partioning	0	0	0	0
Maximum 4-day average concentration for high end loading (ug/l)	6.80	36.80	6.86	38.90
Days exceeding chronic aquatic life criteria (36 ug/l) in 8146	0	1	0	3
Days exceeding chronic aquatic life criteria using 50% As(III) / As(V) partioning	0	0	0	0

[1] from Attachment B, DNREC Comment letter, June 30, 2011.

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
5/1/1986	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359		
5/2/1986	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359		
5/3/1986	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535		
5/4/1986	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1673	0.9493
5/5/1986	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1689	0.9583
5/6/1986	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1713	0.9720
5/7/1986	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1738	0.9864
5/8/1986	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1755	0.9961
5/9/1986	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1782	1.0109
5/10/1986	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1790	1.0159
5/11/1986	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1790	1.0159
5/12/1986	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1799	1.0211
5/13/1986	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1809	1.0264
5/14/1986	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1827	1.0370
5/15/1986	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1846	1.0475
5/16/1986	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1856	1.0529
5/17/1986	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1856	1.0529
5/18/1986	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.1922	1.0905
5/19/1986	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2015	1.1431
5/20/1986	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.2015	1.1431
5/21/1986	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1971	1.1183
5/22/1986	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1853	1.0514
5/23/1986	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1733	0.9833
5/24/1986	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1743	0.9889
5/25/1986	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1829	1.0377
5/26/1986	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.1947	1.1045
5/27/1986	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2053	1.1649
5/28/1986	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2122	1.2043
5/29/1986	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2187	1.2411
5/30/1986	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2276	1.2912
5/31/1986	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2369	1.3440
6/1/1986	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2480	1.4075
6/2/1986	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2564	1.4551
6/3/1986	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2664	1.5117
6/4/1986	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2724	1.5456
6/5/1986	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2744	1.5568
6/6/1986	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2764	1.5681
6/7/1986	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2700	1.5321
6/8/1986	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2641	1.4983
6/9/1986	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2602	1.4764
6/10/1986	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2645	1.5011
6/11/1986	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2733	1.5507
6/12/1986	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2653	1.5055
6/13/1986	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.2318	1.3153
6/14/1986	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.2036	1.1555
6/15/1986	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.1865	1.0583
6/16/1986	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.1945	1.1034
6/17/1986	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2339	1.3275
6/18/1986	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.2728	1.5477
6/19/1986	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3047	1.7291
6/20/1986	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3206	1.8194
6/21/1986	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.3165	1.7961
6/22/1986	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3109	1.7639
6/23/1986	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3013	1.7097
6/24/1986	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2804	1.5910
6/25/1986	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2751	1.5608

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
6/26/1986	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2725	1.5463
6/27/1986	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2725	1.5463
6/28/1986	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2934	1.6651
6/29/1986	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3100	1.7593
6/30/1986	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3215	1.8240
7/1/1986	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3347	1.8993
7/2/1986	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3377	1.9160
7/3/1986	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.3284	1.8632
7/4/1986	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3252	1.8452
7/5/1986	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3180	1.8047
7/6/1986	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3284	1.8632
7/7/1986	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3577	2.0296
7/8/1986	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3720	2.1110
7/9/1986	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3924	2.2267
7/10/1986	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4110	2.3320
7/11/1986	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4255	2.4144
7/12/1986	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.4215	2.3915
7/13/1986	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.3873	2.1974
7/14/1986	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3616	2.0516
7/15/1986	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3514	1.9942
7/16/1986	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3647	2.0694
7/17/1986	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3785	2.1478
7/18/1986	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3819	2.1672
7/19/1986	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3735	2.1194
7/20/1986	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3603	2.0442
7/21/1986	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3674	2.0847
7/22/1986	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3751	2.1286
7/23/1986	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3884	2.2038
7/24/1986	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4069	2.3091
7/25/1986	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4314	2.4476
7/26/1986	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4459	2.5300
7/27/1986	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4459	2.5300
7/28/1986	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4406	2.4999
7/29/1986	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4347	2.4667
7/30/1986	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4347	2.4667
7/31/1986	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4524	2.5670
8/1/1986	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.4773	2.7085
8/2/1986	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.4970	2.8200
8/3/1986	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.4511	2.5599
8/4/1986	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.4202	2.3844
8/5/1986	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4006	2.2729
8/6/1986	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.4006	2.2729
8/7/1986	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.3907	2.2172
8/8/1986	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3748	2.1264
8/9/1986	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3602	2.0440
8/10/1986	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.3406	1.9326
8/11/1986	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4021	2.2817
8/12/1986	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4425	2.5110
8/13/1986	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4469	2.5359
8/14/1986	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4416	2.5058
8/15/1986	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4358	2.4726
8/16/1986	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4423	2.5095
8/17/1986	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4524	2.5670
8/18/1986	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.4082	2.3163
8/19/1986	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3981	2.2589
8/20/1986	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3672	2.0834

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
8/21/1986	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.2956	1.6773
8/22/1986	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.2855	1.6201
8/23/1986	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2611	1.4815
8/24/1986	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.2651	1.5044
8/25/1986	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3314	1.8804
8/26/1986	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3856	2.1882
8/27/1986	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.4016	2.2790
8/28/1986	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.3619	2.0536
8/29/1986	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.3177	1.8030
8/30/1986	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.2974	1.6873
8/31/1986	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.2974	1.6873
9/1/1986	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3415	1.9376
9/2/1986	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3764	2.1360
9/3/1986	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3876	2.1993
9/4/1986	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4009	2.2746
9/5/1986	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4009	2.2746
9/6/1986	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.3715	2.1081
9/7/1986	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3603	2.0447
9/8/1986	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3471	1.9695
9/9/1986	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3427	1.9445
9/10/1986	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3813	2.1633
9/11/1986	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4016	2.2790
9/12/1986	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4149	2.3542
9/13/1986	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4353	2.4699
9/14/1986	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4529	2.5701
9/15/1986	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4706	2.6704
9/16/1986	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4883	2.7707
9/17/1986	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.5103	2.8954
9/18/1986	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.5257	2.9831
9/19/1986	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.5330	3.0244
9/20/1986	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.5330	3.0244
9/21/1986	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.5175	2.9366
9/22/1986	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.5021	2.8489
9/23/1986	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4948	2.8076
9/24/1986	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4948	2.8076
9/25/1986	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4948	2.8076
9/26/1986	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4948	2.8076
9/27/1986	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4771	2.7073
9/28/1986	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4706	2.6704
9/29/1986	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4706	2.6704
9/30/1986	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4706	2.6704
10/1/1986	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4883	2.7707
10/2/1986	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4948	2.8076
10/3/1986	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.5103	2.8954
10/4/1986	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.5175	2.9366
10/5/1986	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.5330	3.0244
10/6/1986	15	A	3.8	2.6	21.3	0.068	0.387	0.000246407	99.6	99.9	0.5938	3.3691	0.5577	3.1648
10/7/1986	13	A	3.3	2.2	18.5	0.068	0.387	0.000246407	99.6	99.9	0.6851	3.8875	0.5899	3.3470
10/8/1986	14	A	3.5	2.4	19.9	0.068	0.387	0.000246407	99.6	99.9	0.6362	3.6098	0.6179	3.5062
10/9/1986	15	A	3.8	2.6	21.3	0.068	0.387	0.000246407	99.6	99.9	0.5938	3.3691	0.6272	3.5589
10/10/1986	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.6179	3.5062
10/11/1986	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.5858	3.3240
10/12/1986	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.5659	3.2112
10/13/1986	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.5485	3.1121
10/14/1986	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.4811	2.7300
10/15/1986	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.4138	2.3480

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
10/16/1986	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3674	2.0847
10/17/1986	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3425	1.9432
10/18/1986	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3767	2.1373
10/19/1986	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4220	2.3947
10/20/1986	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4464	2.5332
10/21/1986	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4641	2.6335
10/22/1986	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4694	2.6635
10/23/1986	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4582	2.6002
10/24/1986	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4471	2.5369
10/25/1986	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4294	2.4366
10/26/1986	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.3899	2.2125
10/27/1986	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.3535	2.0056
10/28/1986	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3270	1.8552
10/29/1986	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2928	1.6612
10/30/1986	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3066	1.7395
10/31/1986	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3298	1.8711
11/1/1986	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3430	1.9463
11/2/1986	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3640	2.0652
11/3/1986	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3751	2.1286
11/4/1986	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3884	2.2038
11/5/1986	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3813	2.1633
11/6/1986	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.3627	2.0580
11/7/1986	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3484	1.9766
11/8/1986	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3280	1.8609
11/9/1986	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3314	1.8804
11/10/1986	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3499	1.9857
11/11/1986	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3470	1.9690
11/12/1986	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.3356	1.9042
11/13/1986	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3356	1.9042
11/14/1986	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3488	1.9794
11/15/1986	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3753	2.1298
11/16/1986	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4072	2.3103
11/17/1986	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4241	2.4065
11/18/1986	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4193	2.3792
11/19/1986	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.4023	2.2829
11/20/1986	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3975	2.2556
11/21/1986	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.3657	2.0751
11/22/1986	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3573	2.0272
11/23/1986	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3610	2.0483
11/24/1986	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3454	1.9599
11/25/1986	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3640	2.0652
11/26/1986	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3640	2.0652
11/27/1986	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3537	2.0067
11/28/1986	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3505	1.9887
11/29/1986	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3433	1.9482
11/30/1986	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3474	1.9711
12/1/1986	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3709	2.1048
12/2/1986	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.3581	2.0317
12/3/1986	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.3042	1.7263
12/4/1986	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.2520	1.4296
12/5/1986	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.1989	1.1288
12/6/1986	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.1837	1.0421
12/7/1986	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2062	1.1698
12/8/1986	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2159	1.2253
12/9/1986	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2186	1.2403
12/10/1986	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2186	1.2403

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
12/11/1986	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2149	1.2193
12/12/1986	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.2026	1.1495
12/13/1986	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2144	1.2165
12/14/1986	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2319	1.3159
12/15/1986	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2531	1.4364
12/16/1986	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2807	1.5928
12/17/1986	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2787	1.5815
12/18/1986	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2612	1.4821
12/19/1986	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.2330	1.3223
12/20/1986	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2141	1.2146
12/21/1986	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2042	1.1589
12/22/1986	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2101	1.1922
12/23/1986	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2266	1.2859
12/24/1986	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.2197	1.2465
12/25/1986	126	A	31.5	21.5	179.0	0.068	0.387	0.000246407	99.6	99.9	0.0707	0.4011	0.1817	1.0309
12/26/1986	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.1389	0.7882
12/27/1986	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.1032	0.5855
12/28/1986	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.0892	0.5063
12/29/1986	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1029	0.5839
12/30/1986	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1178	0.6683
12/31/1986	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1266	0.7181
1/1/1987	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1282	0.7276
1/2/1987	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.1161	0.6585
1/3/1987	112	A	28.0	19.1	159.1	0.068	0.387	0.000246407	99.6	99.9	0.0795	0.4512	0.1037	0.5882
1/4/1987	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0941	0.5341
1/5/1987	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.0890	0.5048
1/6/1987	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.0969	0.5499
1/7/1987	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1052	0.5971
1/8/1987	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1105	0.6267
1/9/1987	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1143	0.6488
1/10/1987	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.1128	0.6400
1/11/1987	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.1078	0.6116
1/12/1987	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1054	0.5980
1/13/1987	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1042	0.5913
1/14/1987	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1087	0.6168
1/15/1987	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1156	0.6560
1/16/1987	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1192	0.6763
1/17/1987	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1216	0.6901
1/18/1987	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1184	0.6716
1/19/1987	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.1075	0.6098
1/20/1987	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0924	0.5245
1/21/1987	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0761	0.4319
1/22/1987	139	A	34.8	23.7	197.5	0.068	0.387	0.000246407	99.6	99.9	0.0641	0.3636	0.0653	0.3705
1/23/1987	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0612	0.3470
1/24/1987	146	A	36.5	24.9	207.5	0.068	0.387	0.000246407	99.6	99.9	0.0610	0.3461	0.0614	0.3482
1/25/1987	134	A	33.5	22.9	190.4	0.068	0.387	0.000246407	99.6	99.9	0.0665	0.3771	0.0629	0.3571
1/26/1987	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0658	0.3733
1/27/1987	125	A	31.3	21.4	177.6	0.068	0.387	0.000246407	99.6	99.9	0.0713	0.4043	0.0685	0.3890
1/28/1987	125	A	31.3	21.4	177.6	0.068	0.387	0.000246407	99.6	99.9	0.0713	0.4043	0.0711	0.4035
1/29/1987	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.0729	0.4136
1/30/1987	120	A	30.0	20.5	170.5	0.068	0.387	0.000246407	99.6	99.9	0.0742	0.4211	0.0726	0.4118
1/31/1987	120	A	30.0	20.5	170.5	0.068	0.387	0.000246407	99.6	99.9	0.0742	0.4211	0.0733	0.4161
2/1/1987	120	A	30.0	20.5	170.5	0.068	0.387	0.000246407	99.6	99.9	0.0742	0.4211	0.0741	0.4203
2/2/1987	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0749	0.4248
2/3/1987	120	A	30.0	20.5	170.5	0.068	0.387	0.000246407	99.6	99.9	0.0742	0.4211	0.0749	0.4248
2/4/1987	125	A	31.3	21.4	177.6	0.068	0.387	0.000246407	99.6	99.9	0.0713	0.4043	0.0741	0.4206

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
2/5/1987	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0730	0.4140
2/6/1987	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0712	0.4038
2/7/1987	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0700	0.3972
2/8/1987	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0693	0.3933
2/9/1987	147	A	36.8	25.1	208.9	0.068	0.387	0.000246407	99.6	99.9	0.0606	0.3438	0.0671	0.3805
2/10/1987	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0647	0.3672
2/11/1987	138	A	34.5	23.6	196.1	0.068	0.387	0.000246407	99.6	99.9	0.0645	0.3662	0.0635	0.3601
2/12/1987	137	A	34.3	23.4	194.7	0.068	0.387	0.000246407	99.6	99.9	0.0650	0.3689	0.0626	0.3551
2/13/1987	137	A	34.3	23.4	194.7	0.068	0.387	0.000246407	99.6	99.9	0.0650	0.3689	0.0637	0.3614
2/14/1987	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.0650	0.3689
2/15/1987	133	A	33.3	22.7	189.0	0.068	0.387	0.000246407	99.6	99.9	0.0670	0.3800	0.0656	0.3723
2/16/1987	127	A	31.8	21.7	180.5	0.068	0.387	0.000246407	99.6	99.9	0.0701	0.3979	0.0669	0.3796
2/17/1987	124	A	31.0	21.2	176.2	0.068	0.387	0.000246407	99.6	99.9	0.0718	0.4076	0.0686	0.3893
2/18/1987	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0703	0.3991
2/19/1987	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0718	0.4076
2/20/1987	119	A	29.8	20.3	169.1	0.068	0.387	0.000246407	99.6	99.9	0.0748	0.4247	0.0730	0.4143
2/21/1987	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0743	0.4214
2/22/1987	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0754	0.4276
2/23/1987	158	A	39.5	27.0	224.5	0.068	0.387	0.000246407	99.6	99.9	0.0564	0.3199	0.0712	0.4040
2/24/1987	217	A	54.3	37.1	308.3	0.068	0.387	0.000246407	99.6	99.9	0.0410	0.2329	0.0627	0.3560
2/25/1987	209	A	52.3	35.7	297.0	0.068	0.387	0.000246407	99.6	99.9	0.0426	0.2418	0.0542	0.3076
2/26/1987	181	A	45.3	30.9	257.2	0.068	0.387	0.000246407	99.6	99.9	0.0492	0.2792	0.0473	0.2684
2/27/1987	164	A	41.0	28.0	233.0	0.068	0.387	0.000246407	99.6	99.9	0.0543	0.3082	0.0468	0.2655
2/28/1987	156	A	39.0	26.6	221.7	0.068	0.387	0.000246407	99.6	99.9	0.0571	0.3240	0.0508	0.2883
3/1/1987	179	A	44.8	30.6	254.3	0.068	0.387	0.000246407	99.6	99.9	0.0498	0.2823	0.0526	0.2984
3/2/1987	226	A	56.5	38.6	321.1	0.068	0.387	0.000246407	99.6	99.9	0.0394	0.2236	0.0501	0.2845
3/3/1987	206	A	51.5	35.2	292.7	0.068	0.387	0.000246407	99.6	99.9	0.0432	0.2453	0.0474	0.2688
3/4/1987	179	A	44.8	30.6	254.3	0.068	0.387	0.000246407	99.6	99.9	0.0498	0.2823	0.0455	0.2584
3/5/1987	165	A	41.3	28.2	234.4	0.068	0.387	0.000246407	99.6	99.9	0.0540	0.3063	0.0466	0.2644
3/6/1987	157	A	39.3	26.8	223.1	0.068	0.387	0.000246407	99.6	99.9	0.0567	0.3219	0.0509	0.2890
3/7/1987	150	A	37.5	25.6	213.1	0.068	0.387	0.000246407	99.6	99.9	0.0594	0.3369	0.0550	0.3119
3/8/1987	146	A	36.5	24.9	207.5	0.068	0.387	0.000246407	99.6	99.9	0.0610	0.3461	0.0578	0.3278
3/9/1987	146	A	36.5	24.9	207.5	0.068	0.387	0.000246407	99.6	99.9	0.0610	0.3461	0.0595	0.3378
3/10/1987	145	A	36.3	24.8	206.0	0.068	0.387	0.000246407	99.6	99.9	0.0614	0.3485	0.0607	0.3444
3/11/1987	139	A	34.8	23.7	197.5	0.068	0.387	0.000246407	99.6	99.9	0.0641	0.3636	0.0619	0.3511
3/12/1987	138	A	34.5	23.6	196.1	0.068	0.387	0.000246407	99.6	99.9	0.0645	0.3662	0.0628	0.3561
3/13/1987	142	A	35.5	24.3	201.8	0.068	0.387	0.000246407	99.6	99.9	0.0627	0.3559	0.0632	0.3586
3/14/1987	141	A	35.3	24.1	200.3	0.068	0.387	0.000246407	99.6	99.9	0.0632	0.3584	0.0636	0.3610
3/15/1987	138	A	34.5	23.6	196.1	0.068	0.387	0.000246407	99.6	99.9	0.0645	0.3662	0.0637	0.3617
3/16/1987	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.0640	0.3630
3/17/1987	132	A	33.0	22.5	187.6	0.068	0.387	0.000246407	99.6	99.9	0.0675	0.3829	0.0652	0.3698
3/18/1987	129	A	32.3	22.0	183.3	0.068	0.387	0.000246407	99.6	99.9	0.0690	0.3918	0.0666	0.3781
3/19/1987	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0679	0.3853
3/20/1987	127	A	31.8	21.7	180.5	0.068	0.387	0.000246407	99.6	99.9	0.0701	0.3979	0.0691	0.3918
3/21/1987	124	A	31.0	21.2	176.2	0.068	0.387	0.000246407	99.6	99.9	0.0718	0.4076	0.0701	0.3980
3/22/1987	112	A	28.0	19.1	159.1	0.068	0.387	0.000246407	99.6	99.9	0.0795	0.4512	0.0728	0.4129
3/23/1987	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.0747	0.4240
3/24/1987	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0764	0.4335
3/25/1987	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0776	0.4405
3/26/1987	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0766	0.4348
3/27/1987	129	A	32.3	22.0	183.3	0.068	0.387	0.000246407	99.6	99.9	0.0690	0.3918	0.0745	0.4228
3/28/1987	143	A	35.8	24.4	203.2	0.068	0.387	0.000246407	99.6	99.9	0.0623	0.3534	0.0709	0.4023
3/29/1987	143	A	35.8	24.4	203.2	0.068	0.387	0.000246407	99.6	99.9	0.0623	0.3534	0.0673	0.3817
3/30/1987	135	A	33.8	23.1	191.8	0.068	0.387	0.000246407	99.6	99.9	0.0660	0.3743	0.0649	0.3682
3/31/1987	152	A	38.0	26.0	216.0	0.068	0.387	0.000246407	99.6	99.9	0.0586	0.3325	0.0623	0.3534
4/1/1987	176	A	44.0	30.1	250.1	0.068	0.387	0.000246407	99.6	99.9	0.0506	0.2871	0.0594	0.3368

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
4/2/1987	171	A	42.8	29.2	243.0	0.068	0.387	0.000246407	99.6	99.9	0.0521	0.2955	0.0568	0.3224
4/3/1987	154	A	38.5	26.3	218.8	0.068	0.387	0.000246407	99.6	99.9	0.0578	0.3282	0.0548	0.3108
4/4/1987	166	A	41.5	28.4	235.9	0.068	0.387	0.000246407	99.6	99.9	0.0537	0.3044	0.0535	0.3038
4/5/1987	178	A	44.5	30.4	252.9	0.068	0.387	0.000246407	99.6	99.9	0.0500	0.2839	0.0534	0.3030
4/6/1987	177	A	44.3	30.2	251.5	0.068	0.387	0.000246407	99.6	99.9	0.0503	0.2855	0.0530	0.3005
4/7/1987	167	A	41.8	28.5	237.3	0.068	0.387	0.000246407	99.6	99.9	0.0533	0.3026	0.0518	0.2941
4/8/1987	152	A	38.0	26.0	216.0	0.068	0.387	0.000246407	99.6	99.9	0.0586	0.3325	0.0531	0.3011
4/9/1987	144	A	36.0	24.6	204.6	0.068	0.387	0.000246407	99.6	99.9	0.0619	0.3510	0.0560	0.3179
4/10/1987	140	A	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.0593	0.3368
4/11/1987	135	A	33.8	23.1	191.8	0.068	0.387	0.000246407	99.6	99.9	0.0660	0.3743	0.0625	0.3547
4/12/1987	131	A	32.8	22.4	186.1	0.068	0.387	0.000246407	99.6	99.9	0.0680	0.3858	0.0649	0.3680
4/13/1987	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0665	0.3775
4/14/1987	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0680	0.3859
4/15/1987	139	A	34.8	23.7	197.5	0.068	0.387	0.000246407	99.6	99.9	0.0641	0.3636	0.0675	0.3832
4/16/1987	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0679	0.3855
4/17/1987	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0682	0.3870
4/18/1987	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0682	0.3870
4/19/1987	125	A	31.3	21.4	177.6	0.068	0.387	0.000246407	99.6	99.9	0.0713	0.4043	0.0700	0.3972
4/20/1987	124	A	31.0	21.2	176.2	0.068	0.387	0.000246407	99.6	99.9	0.0718	0.4076	0.0706	0.4004
4/21/1987	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0706	0.4004
4/22/1987	126	A	31.5	21.5	179.0	0.068	0.387	0.000246407	99.6	99.9	0.0707	0.4011	0.0708	0.4019
4/23/1987	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0711	0.4036
4/24/1987	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0703	0.3989
4/25/1987	146	A	36.5	24.9	207.5	0.068	0.387	0.000246407	99.6	99.9	0.0610	0.3461	0.0682	0.3867
4/26/1987	155	A	38.8	26.5	220.2	0.068	0.387	0.000246407	99.6	99.9	0.0575	0.3260	0.0648	0.3680
4/27/1987	156	A	39.0	26.6	221.7	0.068	0.387	0.000246407	99.6	99.9	0.0571	0.3240	0.0610	0.3462
4/28/1987	147	A	36.8	25.1	208.9	0.068	0.387	0.000246407	99.6	99.9	0.0606	0.3438	0.0590	0.3350
4/29/1987	137	A	34.3	23.4	194.7	0.068	0.387	0.000246407	99.6	99.9	0.0650	0.3689	0.0600	0.3407
4/30/1987	129	A	32.3	22.0	183.3	0.068	0.387	0.000246407	99.6	99.9	0.0690	0.3918	0.0629	0.3571
5/1/1987	126	A	31.5	21.5	179.0	0.068	0.387	0.000246407	99.6	99.9	0.0707	0.4011	0.0663	0.3764
5/2/1987	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0693	0.3932
5/3/1987	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.0714	0.4053
5/4/1987	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.0705	0.4003
5/5/1987	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0674	0.3826
5/6/1987	151	A	37.8	25.8	214.6	0.068	0.387	0.000246407	99.6	99.9	0.0590	0.3347	0.0641	0.3636
5/7/1987	141	A	35.3	24.1	200.3	0.068	0.387	0.000246407	99.6	99.9	0.0632	0.3584	0.0615	0.3488
5/8/1987	127	A	31.8	21.7	180.5	0.068	0.387	0.000246407	99.6	99.9	0.0701	0.3979	0.0626	0.3553
5/9/1987	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0663	0.3763
5/10/1987	114	A	28.5	19.5	162.0	0.068	0.387	0.000246407	99.6	99.9	0.0781	0.4433	0.0711	0.4035
5/11/1987	112	A	28.0	19.1	159.1	0.068	0.387	0.000246407	99.6	99.9	0.0795	0.4512	0.0752	0.4267
5/12/1987	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0777	0.4410
5/13/1987	133	A	33.3	22.7	189.0	0.068	0.387	0.000246407	99.6	99.9	0.0670	0.3800	0.0762	0.4325
5/14/1987	120	A	30.0	20.5	170.5	0.068	0.387	0.000246407	99.6	99.9	0.0742	0.4211	0.0752	0.4269
5/15/1987	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.0756	0.4290
5/16/1987	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.0767	0.4355
5/17/1987	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0818	0.4643
5/18/1987	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.0858	0.4867
5/19/1987	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0895	0.5077
5/20/1987	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0883	0.5012
5/21/1987	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0847	0.4809
5/22/1987	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0820	0.4650
5/23/1987	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.0792	0.4495
5/24/1987	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0821	0.4659
5/25/1987	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.0886	0.5028
5/26/1987	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.0939	0.5329
5/27/1987	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.0983	0.5578

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
5/28/1987	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.1012	0.5745
5/29/1987	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1027	0.5827
5/30/1987	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1045	0.5930
5/31/1987	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1075	0.6097
6/1/1987	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1113	0.6313
6/2/1987	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1152	0.6534
6/3/1987	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1201	0.6817
6/4/1987	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1221	0.6928
6/5/1987	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.1166	0.6616
6/6/1987	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.1118	0.6345
6/7/1987	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1093	0.6202
6/8/1987	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1106	0.6276
6/9/1987	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1196	0.6789
6/10/1987	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1208	0.6857
6/11/1987	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1205	0.6836
6/12/1987	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1214	0.6889
6/13/1987	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1200	0.6808
6/14/1987	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1267	0.7189
6/15/1987	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1331	0.7554
6/16/1987	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1388	0.7874
6/17/1987	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1498	0.8499
6/18/1987	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1660	0.9421
6/19/1987	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1813	1.0287
6/20/1987	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1913	1.0855
6/21/1987	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1949	1.1058
6/22/1987	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1908	1.0829
6/23/1987	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1857	1.0536
6/24/1987	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1867	1.0597
6/25/1987	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.1921	1.0903
6/26/1987	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2010	1.1406
6/27/1987	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.2010	1.1406
6/28/1987	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.2010	1.1406
6/29/1987	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2049	1.1626
6/30/1987	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2092	1.1869
7/1/1987	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2239	1.2706
7/2/1987	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2346	1.3313
7/3/1987	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2391	1.3569
7/4/1987	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2442	1.3854
7/5/1987	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.2052	1.1642
7/6/1987	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.1682	0.9544
7/7/1987	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1439	0.8167
7/8/1987	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1240	0.7034
7/9/1987	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1492	0.8463
7/10/1987	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.1803	1.0229
7/11/1987	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2000	1.1350
7/12/1987	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2120	1.2031
7/13/1987	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2242	1.2723
7/14/1987	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2270	1.2882
7/15/1987	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2299	1.3048
7/16/1987	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2361	1.3399
7/17/1987	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2377	1.3489
7/18/1987	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2461	1.3965
7/19/1987	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2530	1.4356
7/20/1987	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2586	1.4675
7/21/1987	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2639	1.4976
7/22/1987	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.2439	1.3839

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
7/23/1987	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2341	1.3282
7/24/1987	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2284	1.2962
7/25/1987	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2284	1.2962
7/26/1987	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2505	1.4213
7/27/1987	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2644	1.5002
7/28/1987	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2744	1.5568
7/29/1987	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2857	1.6209
7/30/1987	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3007	1.7060
7/31/1987	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3079	1.7468
8/1/1987	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.3056	1.7341
8/2/1987	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3056	1.7341
8/3/1987	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3027	1.7174
8/4/1987	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3083	1.7496
8/5/1987	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2944	1.6707
8/6/1987	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.2499	1.4181
8/7/1987	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.2188	1.2416
8/8/1987	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.1965	1.1151
8/9/1987	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2083	1.1821
8/10/1987	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2479	1.4065
8/11/1987	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2790	1.5831
8/12/1987	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3013	1.7096
8/13/1987	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3163	1.7947
8/14/1987	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3269	1.8550
8/15/1987	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3299	1.8717
8/16/1987	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3299	1.8717
8/17/1987	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3299	1.8717
8/18/1987	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3299	1.8717
8/19/1987	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3299	1.8717
8/20/1987	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3365	1.9092
8/21/1987	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3508	1.9906
8/22/1987	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3651	2.0719
8/23/1987	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3755	2.1304
8/24/1987	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.3977	2.2568
8/25/1987	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4122	2.3392
8/26/1987	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4166	2.3641
8/27/1987	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.4207	2.3870
8/28/1987	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.4021	2.2817
8/29/1987	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3876	2.1993
8/30/1987	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.3977	2.2568
8/31/1987	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4181	2.3724
9/1/1987	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4367	2.4777
9/2/1987	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4636	2.6303
9/3/1987	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4759	2.7005
9/4/1987	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4824	2.7374
9/5/1987	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4948	2.8076
9/6/1987	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4948	2.8076
9/7/1987	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4948	2.8076
9/8/1987	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.4429	2.5133
9/9/1987	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.3794	2.1528
9/10/1987	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3382	1.9189
9/11/1987	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3113	1.7663
9/12/1987	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3251	1.8447
9/13/1987	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.3345	1.8980
9/14/1987	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.3239	1.8376
9/15/1987	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3161	1.7937
9/16/1987	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3232	1.8342

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
9/17/1987	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3597	2.0410
9/18/1987	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3939	2.2351
9/19/1987	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4109	2.3313
9/20/1987	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4241	2.4065
9/21/1987	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4241	2.4065
9/22/1987	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4241	2.4065
9/23/1987	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4241	2.4065
9/24/1987	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4353	2.4699
9/25/1987	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4464	2.5332
9/26/1987	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4576	2.5965
9/27/1987	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4753	2.6968
9/28/1987	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4818	2.7337
9/29/1987	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4883	2.7707
9/30/1987	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4824	2.7374
10/1/1987	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4759	2.7005
10/2/1987	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.4914	2.7882
10/3/1987	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4737	2.6880
10/4/1987	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.4366	2.4774
10/5/1987	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4254	2.4141
10/6/1987	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4035	2.2894
10/7/1987	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3865	2.1931
10/8/1987	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4236	2.4037
10/9/1987	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4413	2.5040
10/10/1987	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4478	2.5409
10/11/1987	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4759	2.7005
10/12/1987	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4883	2.7707
10/13/1987	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4883	2.7707
10/14/1987	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.5038	2.8584
10/15/1987	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.5103	2.8954
10/16/1987	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.5103	2.8954
10/17/1987	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.5103	2.8954
10/18/1987	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4883	2.7707
10/19/1987	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4883	2.7707
10/20/1987	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4883	2.7707
10/21/1987	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4818	2.7337
10/22/1987	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.5038	2.8584
10/23/1987	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.5110	2.8997
10/24/1987	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.5110	2.8997
10/25/1987	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.5110	2.8997
10/26/1987	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4956	2.8120
10/27/1987	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.4342	2.4636
10/28/1987	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.3376	1.9158
10/29/1987	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.2659	1.5086
10/30/1987	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2140	1.2143
10/31/1987	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.2269	1.2874
11/1/1987	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.2925	1.6598
11/2/1987	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3398	1.9284
11/3/1987	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3648	2.0701
11/4/1987	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3751	2.1286
11/5/1987	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3792	2.1515
11/6/1987	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.4256	2.4147
11/7/1987	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.4679	2.6550
11/8/1987	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4988	2.8305
11/9/1987	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.5134	2.9129
11/10/1987	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.4510	2.5589
11/11/1987	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.3689	2.0932

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
11/12/1987	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.3170	1.7989
11/13/1987	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.2913	1.6531
11/14/1987	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3073	1.7439
11/15/1987	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3563	2.0216
11/16/1987	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3905	2.2156
11/17/1987	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4109	2.3313
11/18/1987	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.4072	2.3103
11/19/1987	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3979	2.2580
11/20/1987	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3931	2.2306
11/21/1987	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3931	2.2306
11/22/1987	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.4432	2.5149
11/23/1987	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.4774	2.7088
11/24/1987	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4934	2.7994
11/25/1987	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4987	2.8295
11/26/1987	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4655	2.6415
11/27/1987	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4406	2.4999
11/28/1987	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4294	2.4366
11/29/1987	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.3799	2.1558
11/30/1987	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.3076	1.7456
12/1/1987	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.2471	1.4019
12/2/1987	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2046	1.1612
12/3/1987	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2196	1.2459
12/4/1987	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2601	1.4756
12/5/1987	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.2971	1.6857
12/6/1987	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3262	1.8512
12/7/1987	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3422	1.9419
12/8/1987	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3608	2.0472
12/9/1987	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3711	2.1057
12/10/1987	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3640	2.0652
12/11/1987	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.3255	1.8469
12/12/1987	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2913	1.6530
12/13/1987	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2704	1.5341
12/14/1987	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2642	1.4994
12/15/1987	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2685	1.5237
12/16/1987	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2642	1.4994
12/17/1987	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2620	1.4867
12/18/1987	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2620	1.4867
12/19/1987	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2829	1.6054
12/20/1987	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.3028	1.7184
12/21/1987	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.3075	1.7447
12/22/1987	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3075	1.7447
12/23/1987	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2998	1.7011
12/24/1987	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2998	1.7011
12/25/1987	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2930	1.6628
12/26/1987	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.2653	1.5054
12/27/1987	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2506	1.4218
12/28/1987	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2334	1.3246
12/29/1987	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.2088	1.1847
12/30/1987	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2100	1.1917
12/31/1987	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2148	1.2187
1/1/1988	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2179	1.2362
1/2/1988	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2369	1.3442
1/3/1988	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2475	1.4044
1/4/1988	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.2320	1.3166
1/5/1988	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.2236	1.2690
1/6/1988	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2161	1.2262

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
1/7/1988	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2180	1.2368
1/8/1988	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2259	1.2817
1/9/1988	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2298	1.3038
1/10/1988	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2341	1.3281
1/11/1988	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2287	1.2980
1/12/1988	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2363	1.3408
1/13/1988	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2392	1.3574
1/14/1988	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2408	1.3664
1/15/1988	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2461	1.3965
1/16/1988	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2498	1.4171
1/17/1988	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2566	1.4563
1/18/1988	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.2449	1.3894
1/19/1988	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.2222	1.2608
1/20/1988	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.1799	1.0208
1/21/1988	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.1318	0.7479
1/22/1988	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.1074	0.6091
1/23/1988	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.0963	0.5467
1/24/1988	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1074	0.6094
1/25/1988	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1228	0.6965
1/26/1988	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1263	0.7166
1/27/1988	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1268	0.7193
1/28/1988	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1273	0.7223
1/29/1988	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1299	0.7370
1/30/1988	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1377	0.7816
1/31/1988	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1403	0.7959
2/1/1988	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1403	0.7959
2/2/1988	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1392	0.7897
2/3/1988	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1313	0.7452
2/4/1988	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1230	0.6982
2/5/1988	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1154	0.6548
2/6/1988	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1112	0.6312
2/7/1988	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1170	0.6638
2/8/1988	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1237	0.7020
2/9/1988	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1293	0.7337
2/10/1988	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1320	0.7487
2/11/1988	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1301	0.7381
2/12/1988	133	A	33.3	22.7	189.0	0.068	0.387	0.000246407	99.6	99.9	0.0670	0.3800	0.1136	0.6445
2/13/1988	172	A	43.0	29.4	244.4	0.068	0.387	0.000246407	99.6	99.9	0.0518	0.2938	0.0938	0.5322
2/14/1988	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0782	0.4436
2/15/1988	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0665	0.3774
2/16/1988	119	A	29.8	20.3	169.1	0.068	0.387	0.000246407	99.6	99.9	0.0748	0.4247	0.0685	0.3886
2/17/1988	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0744	0.4222
2/18/1988	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0770	0.4369
2/19/1988	109	A	27.3	18.6	154.9	0.068	0.387	0.000246407	99.6	99.9	0.0817	0.4636	0.0777	0.4410
2/20/1988	119	A	29.8	20.3	169.1	0.068	0.387	0.000246407	99.6	99.9	0.0748	0.4247	0.0777	0.4410
2/21/1988	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0780	0.4428
2/22/1988	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0784	0.4448
2/23/1988	120	A	30.0	20.5	170.5	0.068	0.387	0.000246407	99.6	99.9	0.0742	0.4211	0.0765	0.4342
2/24/1988	112	A	28.0	19.1	159.1	0.068	0.387	0.000246407	99.6	99.9	0.0795	0.4512	0.0777	0.4408
2/25/1988	109	A	27.3	18.6	154.9	0.068	0.387	0.000246407	99.6	99.9	0.0817	0.4636	0.0789	0.4478
2/26/1988	114	A	28.5	19.5	162.0	0.068	0.387	0.000246407	99.6	99.9	0.0781	0.4433	0.0784	0.4448
2/27/1988	101	A	25.3	17.3	143.5	0.068	0.387	0.000246407	99.6	99.9	0.0882	0.5004	0.0819	0.4646
2/28/1988	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.0845	0.4794
2/29/1988	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0875	0.4965
3/1/1988	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0917	0.5201
3/2/1988	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0931	0.5280

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
3/3/1988	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.0956	0.5424
3/4/1988	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.0966	0.5482
3/5/1988	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0959	0.5440
3/6/1988	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.0972	0.5514
3/7/1988	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.0972	0.5514
3/8/1988	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.0989	0.5612
3/9/1988	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.1015	0.5762
3/10/1988	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0986	0.5597
3/11/1988	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0973	0.5521
3/12/1988	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0964	0.5471
3/13/1988	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.0953	0.5407
3/14/1988	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.0979	0.5557
3/15/1988	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1004	0.5699
3/16/1988	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1026	0.5823
3/17/1988	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1060	0.6014
3/18/1988	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.1065	0.6045
3/19/1988	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1065	0.6045
3/20/1988	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1072	0.6085
3/21/1988	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1099	0.6236
3/22/1988	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1162	0.6596
3/23/1988	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1214	0.6889
3/24/1988	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1237	0.7020
3/25/1988	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1237	0.7020
3/26/1988	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.1142	0.6480
3/27/1988	163	A	40.8	27.8	231.6	0.068	0.387	0.000246407	99.6	99.9	0.0546	0.3100	0.0965	0.5475
3/28/1988	163	A	40.8	27.8	231.6	0.068	0.387	0.000246407	99.6	99.9	0.0546	0.3100	0.0797	0.4520
3/29/1988	135	A	33.8	23.1	191.8	0.068	0.387	0.000246407	99.6	99.9	0.0660	0.3743	0.0656	0.3725
3/30/1988	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0621	0.3522
3/31/1988	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0676	0.3836
4/1/1988	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.0742	0.4209
4/2/1988	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0783	0.4443
4/3/1988	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.0815	0.4622
4/4/1988	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.0825	0.4682
4/5/1988	114	A	28.5	19.5	162.0	0.068	0.387	0.000246407	99.6	99.9	0.0781	0.4433	0.0818	0.4642
4/6/1988	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.0824	0.4675
4/7/1988	133	A	33.3	22.7	189.0	0.068	0.387	0.000246407	99.6	99.9	0.0670	0.3800	0.0777	0.4410
4/8/1988	179	A	44.8	30.6	254.3	0.068	0.387	0.000246407	99.6	99.9	0.0498	0.2823	0.0699	0.3967
4/9/1988	186	A	46.5	31.8	264.3	0.068	0.387	0.000246407	99.6	99.9	0.0479	0.2717	0.0624	0.3538
4/10/1988	156	A	39.0	26.6	221.7	0.068	0.387	0.000246407	99.6	99.9	0.0571	0.3240	0.0554	0.3145
4/11/1988	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.0551	0.3124
4/12/1988	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0600	0.3405
4/13/1988	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0661	0.3753
4/14/1988	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0707	0.4014
4/15/1988	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0736	0.4174
4/16/1988	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.0755	0.4286
4/17/1988	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0782	0.4439
4/18/1988	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.0796	0.4517
4/19/1988	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.0807	0.4577
4/20/1988	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0814	0.4616
4/21/1988	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.0820	0.4650
4/22/1988	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.0842	0.4778
4/23/1988	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0874	0.4959
4/24/1988	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0903	0.5123
4/25/1988	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.0931	0.5282
4/26/1988	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.0956	0.5425
4/27/1988	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0975	0.5531

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
4/28/1988	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.0970	0.5505
4/29/1988	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0968	0.5490
4/30/1988	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.0968	0.5490
5/1/1988	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.0976	0.5541
5/2/1988	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1020	0.5787
5/3/1988	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1055	0.5988
5/4/1988	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1077	0.6109
5/5/1988	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1077	0.6109
5/6/1988	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.0999	0.5667
5/7/1988	125	A	31.3	21.4	177.6	0.068	0.387	0.000246407	99.6	99.9	0.0713	0.4043	0.0902	0.5118
5/8/1988	109	A	27.3	18.6	154.9	0.068	0.387	0.000246407	99.6	99.9	0.0817	0.4636	0.0835	0.4736
5/9/1988	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0807	0.4580
5/10/1988	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.0864	0.4904
5/11/1988	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.0933	0.5297
5/12/1988	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0982	0.5573
5/13/1988	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1013	0.5747
5/14/1988	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1044	0.5923
5/15/1988	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1082	0.6139
5/16/1988	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1114	0.6323
5/17/1988	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1138	0.6460
5/18/1988	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1142	0.6480
5/19/1988	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.1071	0.6075
5/20/1988	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.0975	0.5535
5/21/1988	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0905	0.5133
5/22/1988	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.0865	0.4907
5/23/1988	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.0913	0.5178
5/24/1988	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.0994	0.5639
5/25/1988	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.0988	0.5604
5/26/1988	101	A	25.3	17.3	143.5	0.068	0.387	0.000246407	99.6	99.9	0.0882	0.5004	0.0966	0.5481
5/27/1988	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.0960	0.5447
5/28/1988	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.0970	0.5506
5/29/1988	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1059	0.6010
5/30/1988	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1157	0.6564
5/31/1988	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1238	0.7026
6/1/1988	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1304	0.7401
6/2/1988	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1362	0.7731
6/3/1988	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1382	0.7840
6/4/1988	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1404	0.7964
6/5/1988	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1433	0.8131
6/6/1988	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1471	0.8350
6/7/1988	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1546	0.8775
6/8/1988	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1616	0.9167
6/9/1988	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1643	0.9323
6/10/1988	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1636	0.9283
6/11/1988	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1636	0.9283
6/12/1988	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1644	0.9331
6/13/1988	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1694	0.9612
6/14/1988	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1777	1.0084
6/15/1988	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1860	1.0551
6/16/1988	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.1941	1.1012
6/17/1988	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2043	1.1593
6/18/1988	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2112	1.1986
6/19/1988	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2124	1.2050
6/20/1988	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2112	1.1983
6/21/1988	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2098	1.1906
6/22/1988	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2112	1.1983

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
6/23/1988	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2162	1.2270
6/24/1988	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2275	1.2908
6/25/1988	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2387	1.3543
6/26/1988	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2466	1.3994
6/27/1988	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2584	1.4664
6/28/1988	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2641	1.4983
6/29/1988	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2681	1.5215
6/30/1988	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2764	1.5681
7/1/1988	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2831	1.6064
7/2/1988	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2924	1.6592
7/3/1988	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3053	1.7323
7/4/1988	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3102	1.7604
7/5/1988	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.3102	1.7604
7/6/1988	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3130	1.7760
7/7/1988	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3130	1.7760
7/8/1988	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.3058	1.7351
7/9/1988	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2934	1.6649
7/10/1988	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2757	1.5647
7/11/1988	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2629	1.4915
7/12/1988	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2463	1.3975
7/13/1988	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.2290	1.2993
7/14/1988	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2257	1.2808
7/15/1988	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2236	1.2688
7/16/1988	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2448	1.3892
7/17/1988	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2798	1.5877
7/18/1988	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2930	1.6628
7/19/1988	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3051	1.7311
7/20/1988	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3104	1.7612
7/21/1988	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3133	1.7779
7/22/1988	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3183	1.8060
7/23/1988	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2918	1.6556
7/24/1988	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.2382	1.3513
7/25/1988	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1899	1.0778
7/26/1988	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1568	0.8898
7/27/1988	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.1693	0.9606
7/28/1988	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.1977	1.1219
7/29/1988	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2271	1.2885
7/30/1988	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2552	1.4483
7/31/1988	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2665	1.5124
8/1/1988	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.2947	1.6721
8/2/1988	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3167	1.7971
8/3/1988	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3305	1.8755
8/4/1988	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3394	1.9257
8/5/1988	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3426	1.9437
8/6/1988	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3460	1.9632
8/7/1988	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3460	1.9632
8/8/1988	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3494	1.9826
8/9/1988	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3565	2.0231
8/10/1988	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3603	2.0442
8/11/1988	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3674	2.0847
8/12/1988	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3751	2.1286
8/13/1988	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.3937	2.2339
8/14/1988	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4181	2.3724
8/15/1988	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4490	2.5479
8/16/1988	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4759	2.7005
8/17/1988	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.4956	2.8120

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
8/18/1988	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.5094	2.8902
8/19/1988	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.5248	2.9779
8/20/1988	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.4939	2.8025
8/21/1988	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.4424	2.5105
8/22/1988	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4127	2.3416
8/23/1988	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.3848	2.1837
8/24/1988	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.3405	1.9319
8/25/1988	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.3195	1.8131
8/26/1988	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3040	1.7248
8/27/1988	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.2894	1.6424
8/28/1988	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3471	1.9694
8/29/1988	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3653	2.0725
8/30/1988	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.3233	1.8343
8/31/1988	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2866	1.6265
9/1/1988	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2548	1.4460
9/2/1988	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.2637	1.4963
9/3/1988	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3168	1.7979
9/4/1988	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3494	1.9828
9/5/1988	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3577	2.0296
9/6/1988	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3689	2.0930
9/7/1988	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3781	2.1453
9/8/1988	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3913	2.2205
9/9/1988	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4149	2.3542
9/10/1988	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.3899	2.2125
9/11/1988	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3634	2.0620
9/12/1988	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3502	1.9868
9/13/1988	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3409	1.9345
9/14/1988	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3547	2.0129
9/15/1988	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3813	2.1633
9/16/1988	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4122	2.3388
9/17/1988	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4391	2.4914
9/18/1988	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4648	2.6372
9/19/1988	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4648	2.6372
9/20/1988	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4524	2.5670
9/21/1988	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4459	2.5300
9/22/1988	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4582	2.6002
9/23/1988	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.4832	2.7418
9/24/1988	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.5110	2.8997
9/25/1988	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.4734	2.6860
9/26/1988	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.4387	2.4894
9/27/1988	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4090	2.3205
9/28/1988	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3758	2.1325
9/29/1988	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4135	2.3463
9/30/1988	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4481	2.5428
3/16/1991	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.3672	2.0834
3/17/1991	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.2830	1.6056
3/18/1991	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.1829	1.0378
3/19/1991	184	A	46.0	31.4	261.4	0.068	0.387	0.000246407	99.6	99.9	0.0484	0.2747	0.0713	0.4046
3/20/1991	167	A	41.8	28.5	237.3	0.068	0.387	0.000246407	99.6	99.9	0.0533	0.3026	0.0644	0.3654
3/21/1991	141	A	35.3	24.1	200.3	0.068	0.387	0.000246407	99.6	99.9	0.0632	0.3584	0.0584	0.3311
3/22/1991	129	A	32.3	22.0	183.3	0.068	0.387	0.000246407	99.6	99.9	0.0690	0.3918	0.0585	0.3319
3/23/1991	133	A	33.3	22.7	189.0	0.068	0.387	0.000246407	99.6	99.9	0.0670	0.3800	0.0631	0.3582
3/24/1991	139	A	34.8	23.7	197.5	0.068	0.387	0.000246407	99.6	99.9	0.0641	0.3636	0.0658	0.3734
3/25/1991	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0683	0.3874
3/26/1991	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0711	0.4033
3/27/1991	112	A	28.0	19.1	159.1	0.068	0.387	0.000246407	99.6	99.9	0.0795	0.4512	0.0742	0.4211

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
3/28/1991	125	A	31.3	21.4	177.6	0.068	0.387	0.000246407	99.6	99.9	0.0713	0.4043	0.0760	0.4313
3/29/1991	163	A	40.8	27.8	231.6	0.068	0.387	0.000246407	99.6	99.9	0.0546	0.3100	0.0714	0.4052
3/30/1991	204	A	51.0	34.8	289.9	0.068	0.387	0.000246407	99.6	99.9	0.0437	0.2477	0.0623	0.3533
3/31/1991	211	A	52.8	36.0	299.8	0.068	0.387	0.000246407	99.6	99.9	0.0422	0.2395	0.0529	0.3004
4/1/1991	176	A	44.0	30.1	250.1	0.068	0.387	0.000246407	99.6	99.9	0.0506	0.2871	0.0478	0.2711
4/2/1991	151	A	37.8	25.8	214.6	0.068	0.387	0.000246407	99.6	99.9	0.0590	0.3347	0.0489	0.2773
4/3/1991	149	A	37.3	25.5	211.7	0.068	0.387	0.000246407	99.6	99.9	0.0598	0.3392	0.0529	0.3001
4/4/1991	138	A	34.5	23.6	196.1	0.068	0.387	0.000246407	99.6	99.9	0.0645	0.3662	0.0585	0.3318
4/5/1991	135	A	33.8	23.1	191.8	0.068	0.387	0.000246407	99.6	99.9	0.0660	0.3743	0.0623	0.3536
4/6/1991	127	A	31.8	21.7	180.5	0.068	0.387	0.000246407	99.6	99.9	0.0701	0.3979	0.0651	0.3694
4/7/1991	119	A	29.8	20.3	169.1	0.068	0.387	0.000246407	99.6	99.9	0.0748	0.4247	0.0689	0.3908
4/8/1991	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0716	0.4063
4/9/1991	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0740	0.4198
4/10/1991	114	A	28.5	19.5	162.0	0.068	0.387	0.000246407	99.6	99.9	0.0781	0.4433	0.0760	0.4311
4/11/1991	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0789	0.4476
4/12/1991	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0830	0.4708
4/13/1991	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0878	0.4981
4/14/1991	112	A	28.0	19.1	159.1	0.068	0.387	0.000246407	99.6	99.9	0.0795	0.4512	0.0881	0.5001
4/15/1991	109	A	27.3	18.6	154.9	0.068	0.387	0.000246407	99.6	99.9	0.0817	0.4636	0.0869	0.4934
4/16/1991	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0848	0.4812
4/17/1991	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.0836	0.4744
4/18/1991	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.0869	0.4932
4/19/1991	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.0910	0.5161
4/20/1991	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.0946	0.5369
4/21/1991	162	A	40.5	27.7	230.2	0.068	0.387	0.000246407	99.6	99.9	0.0550	0.3120	0.0859	0.4873
4/22/1991	192	A	48.0	32.8	272.8	0.068	0.387	0.000246407	99.6	99.9	0.0464	0.2632	0.0743	0.4215
4/23/1991	165	A	41.3	28.2	234.4	0.068	0.387	0.000246407	99.6	99.9	0.0540	0.3063	0.0633	0.3592
4/24/1991	144	A	36.0	24.6	204.6	0.068	0.387	0.000246407	99.6	99.9	0.0619	0.3510	0.0543	0.3081
4/25/1991	156	A	39.0	26.6	221.7	0.068	0.387	0.000246407	99.6	99.9	0.0571	0.3240	0.0548	0.3111
4/26/1991	147	A	36.8	25.1	208.9	0.068	0.387	0.000246407	99.6	99.9	0.0606	0.3438	0.0584	0.3312
4/27/1991	134	A	33.5	22.9	190.4	0.068	0.387	0.000246407	99.6	99.9	0.0665	0.3771	0.0615	0.3490
4/28/1991	125	A	31.3	21.4	177.6	0.068	0.387	0.000246407	99.6	99.9	0.0713	0.4043	0.0638	0.3623
4/29/1991	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.0689	0.3912
4/30/1991	114	A	28.5	19.5	162.0	0.068	0.387	0.000246407	99.6	99.9	0.0781	0.4433	0.0733	0.4161
5/1/1991	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.0769	0.4366
5/2/1991	119	A	29.8	20.3	169.1	0.068	0.387	0.000246407	99.6	99.9	0.0748	0.4247	0.0778	0.4417
5/3/1991	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0803	0.4557
5/4/1991	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.0850	0.4822
5/5/1991	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.0892	0.5062
5/6/1991	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0932	0.5290
5/7/1991	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0922	0.5232
5/8/1991	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0914	0.5188
5/9/1991	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.0926	0.5252
5/10/1991	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.0957	0.5432
5/11/1991	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1017	0.5773
5/12/1991	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1051	0.5966
5/13/1991	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1064	0.6036
5/14/1991	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1076	0.6107
5/15/1991	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1101	0.6248
5/16/1991	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1142	0.6480
5/17/1991	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1183	0.6713
5/18/1991	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1230	0.6977
5/19/1991	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1269	0.7200
5/20/1991	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1302	0.7389
5/21/1991	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1336	0.7578
5/22/1991	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1355	0.7687

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
5/23/1991	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1365	0.7745
5/24/1991	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1394	0.7907
5/25/1991	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1456	0.8261
5/26/1991	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1547	0.8776
5/27/1991	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1624	0.9216
5/28/1991	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1612	0.9148
5/29/1991	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1591	0.9030
5/30/1991	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1591	0.9030
5/31/1991	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1608	0.9123
6/1/1991	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1694	0.9612
6/2/1991	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1794	1.0180
6/3/1991	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1830	1.0383
6/4/1991	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1668	0.9465
6/5/1991	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1555	0.8824
6/6/1991	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1516	0.8604
6/7/1991	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1516	0.8604
6/8/1991	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1705	0.9677
6/9/1991	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1879	1.0663
6/10/1991	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.1964	1.1144
6/11/1991	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2057	1.1670
6/12/1991	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2149	1.2197
6/13/1991	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2262	1.2835
6/14/1991	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2387	1.3543
6/15/1991	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2466	1.3994
6/16/1991	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2546	1.4445
6/17/1991	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.2325	1.3192
6/18/1991	159	A	39.8	27.2	225.9	0.068	0.387	0.000246407	99.6	99.9	0.0560	0.3178	0.1810	1.0270
6/19/1991	132	A	33.0	22.5	187.6	0.068	0.387	0.000246407	99.6	99.9	0.0675	0.3829	0.1343	0.7618
6/20/1991	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.0975	0.5530
6/21/1991	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.0925	0.5248
6/22/1991	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1156	0.6559
6/23/1991	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1269	0.7201
6/24/1991	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1263	0.7165
6/25/1991	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1247	0.7077
6/26/1991	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1267	0.7188
6/27/1991	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1397	0.7928
6/28/1991	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1548	0.8782
6/29/1991	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1635	0.9280
6/30/1991	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1681	0.9541
7/1/1991	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1743	0.9889
7/2/1991	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1751	0.9933
7/3/1991	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1728	0.9805
7/4/1991	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1689	0.9584
7/5/1991	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1593	0.9037
7/6/1991	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1577	0.8951
7/7/1991	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1477	0.8379
7/8/1991	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.1269	0.7203
7/9/1991	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1206	0.6841
7/10/1991	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1172	0.6650
7/11/1991	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1259	0.7143
7/12/1991	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1489	0.8447
7/13/1991	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1587	0.9008
7/14/1991	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1621	0.9199
7/15/1991	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1692	0.9599
7/16/1991	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1756	0.9962
7/17/1991	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.1873	1.0630

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
7/18/1991	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2012	1.1415
7/19/1991	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2128	1.2076
7/20/1991	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2230	1.2654
7/21/1991	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2302	1.3061
7/22/1991	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2289	1.2987
7/23/1991	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.2071	1.1753
7/24/1991	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1850	1.0499
7/25/1991	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1653	0.9382
7/26/1991	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1420	0.8058
7/27/1991	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1389	0.7884
7/28/1991	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.1277	0.7248
7/29/1991	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1210	0.6866
7/30/1991	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1297	0.7359
7/31/1991	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1379	0.7825
8/1/1991	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1563	0.8867
8/2/1991	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1689	0.9585
8/3/1991	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1779	1.0095
8/4/1991	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1880	1.0669
8/5/1991	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.1961	1.1130
8/6/1991	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2084	1.1823
8/7/1991	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2181	1.2374
8/8/1991	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2246	1.2742
8/9/1991	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1990	1.1290
8/10/1991	173	A	43.3	29.6	245.8	0.068	0.387	0.000246407	99.6	99.9	0.0515	0.2921	0.1533	0.8696
8/11/1991	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.1172	0.6648
8/12/1991	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.0928	0.5267
8/13/1991	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1009	0.5724
8/14/1991	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1223	0.6937
8/15/1991	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1322	0.7500
8/16/1991	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1372	0.7784
8/17/1991	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1484	0.8418
8/18/1991	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1484	0.8418
8/19/1991	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.1381	0.7833
8/20/1991	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1265	0.7178
8/21/1991	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.1040	0.5902
8/22/1991	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.0973	0.5519
8/23/1991	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1094	0.6207
8/24/1991	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1174	0.6664
8/25/1991	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1304	0.7399
8/26/1991	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1413	0.8018
8/27/1991	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1469	0.8338
8/28/1991	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1511	0.8573
8/29/1991	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1542	0.8752
8/30/1991	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1563	0.8870
8/31/1991	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1625	0.9219
9/1/1991	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1747	0.9912
9/2/1991	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1862	1.0567
9/3/1991	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.1975	1.1208
9/4/1991	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2073	1.1763
9/5/1991	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2110	1.1973
9/6/1991	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2147	1.2183
9/7/1991	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2172	1.2326
9/8/1991	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2172	1.2326
9/9/1991	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2200	1.2484
9/10/1991	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2276	1.2912
9/11/1991	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2351	1.3340

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
9/12/1991	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2426	1.3768
9/13/1991	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2530	1.4357
9/14/1991	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2418	1.3719
9/15/1991	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.2273	1.2898
9/16/1991	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2185	1.2396
9/17/1991	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2096	1.1893
9/18/1991	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2192	1.2436
9/19/1991	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2320	1.3162
9/20/1991	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.2180	1.2371
9/21/1991	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.2089	1.1853
9/22/1991	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2089	1.1853
9/23/1991	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2123	1.2049
9/24/1991	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2351	1.3342
9/25/1991	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.2228	1.2640
9/26/1991	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.1836	1.0417
9/27/1991	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1478	0.8386
9/28/1991	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1250	0.7093
9/29/1991	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1324	0.7515
9/30/1991	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1609	0.9130
10/1/1991	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.1861	1.0559
10/2/1991	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2013	1.1424
10/3/1991	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1980	1.1237
10/4/1991	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1940	1.1008
10/5/1991	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1905	1.0807
10/6/1991	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1868	1.0597
10/7/1991	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.1985	1.1266
10/8/1991	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2088	1.1846
10/9/1991	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.2077	1.1785
10/10/1991	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2101	1.1921
10/11/1991	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2127	1.2072
10/12/1991	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2127	1.2072
10/13/1991	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2214	1.2565
10/14/1991	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2286	1.2971
10/15/1991	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.2193	1.2445
10/16/1991	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.2049	1.1626
10/17/1991	114	A	28.5	19.5	162.0	0.068	0.387	0.000246407	99.6	99.9	0.0781	0.4433	0.1673	0.9495
10/18/1991	160	A	40.0	27.3	227.3	0.068	0.387	0.000246407	99.6	99.9	0.0557	0.3159	0.1211	0.6870
10/19/1991	101	A	25.3	17.3	143.5	0.068	0.387	0.000246407	99.6	99.9	0.0882	0.5004	0.0967	0.5489
10/20/1991	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.0873	0.4954
10/21/1991	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1020	0.5789
10/22/1991	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1229	0.6974
10/23/1991	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1368	0.7761
10/24/1991	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1421	0.8061
10/25/1991	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1449	0.8223
10/26/1991	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1472	0.8355
10/27/1991	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1484	0.8423
10/28/1991	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1491	0.8459
10/29/1991	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1524	0.8650
10/30/1991	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1582	0.8974
10/31/1991	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1623	0.9208
11/1/1991	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1658	0.9406
11/2/1991	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1658	0.9406
11/3/1991	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1650	0.9360
11/4/1991	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1665	0.9450
11/5/1991	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1690	0.9588
11/6/1991	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1721	0.9768

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
11/7/1991	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1738	0.9862
11/8/1991	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1738	0.9862
11/9/1991	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1721	0.9768
11/10/1991	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1627	0.9235
11/11/1991	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.1444	0.8193
11/12/1991	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1334	0.7568
11/13/1991	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1279	0.7256
11/14/1991	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1334	0.7568
11/15/1991	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1517	0.8610
11/16/1991	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1636	0.9282
11/17/1991	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1707	0.9688
11/18/1991	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1746	0.9909
11/19/1991	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1746	0.9909
11/20/1991	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1746	0.9909
11/21/1991	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1746	0.9909
11/22/1991	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1730	0.9816
11/23/1991	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1658	0.9410
11/24/1991	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1627	0.9229
11/25/1991	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1664	0.9440
11/26/1991	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1738	0.9864
11/27/1991	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1879	1.0664
11/28/1991	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1969	1.1175
11/29/1991	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1969	1.1175
11/30/1991	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1948	1.1055
12/1/1991	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1870	1.0614
12/2/1991	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1665	0.9447
12/3/1991	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.1433	0.8132
12/4/1991	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.1131	0.6416
12/5/1991	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0921	0.5225
12/6/1991	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.0917	0.5204
12/7/1991	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.0976	0.5538
12/8/1991	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1114	0.6321
12/9/1991	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1205	0.6837
12/10/1991	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.1142	0.6480
12/11/1991	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.1055	0.5988
12/12/1991	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.0993	0.5637
12/13/1991	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.0956	0.5423
12/14/1991	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1001	0.5682
12/15/1991	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1069	0.6066
12/16/1991	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1123	0.6370
12/17/1991	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1165	0.6608
12/18/1991	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1201	0.6817
12/19/1991	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1242	0.7049
12/20/1991	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1274	0.7227
12/21/1991	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1274	0.7227
12/22/1991	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1278	0.7251
12/23/1991	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1269	0.7199
12/24/1991	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1222	0.6933
12/25/1991	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1213	0.6885
12/26/1991	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1232	0.6988
12/27/1991	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1250	0.7094
12/28/1991	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1297	0.7360
12/29/1991	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.1248	0.7082
12/30/1991	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.1133	0.6427
12/31/1991	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.1056	0.5993
1/1/1992	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1009	0.5727

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
1/2/1992	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1050	0.5960
1/3/1992	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1124	0.6376
1/4/1992	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.1070	0.6073
1/5/1992	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.1038	0.5889
1/6/1992	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.0997	0.5656
1/7/1992	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.0983	0.5577
1/8/1992	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1062	0.6028
1/9/1992	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1098	0.6233
1/10/1992	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1121	0.6360
1/11/1992	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1142	0.6482
1/12/1992	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1161	0.6590
1/13/1992	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1173	0.6656
1/14/1992	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1192	0.6762
1/15/1992	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1221	0.6930
1/16/1992	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1248	0.7081
1/17/1992	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1290	0.7317
1/18/1992	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1325	0.7518
1/19/1992	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1345	0.7631
1/20/1992	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1371	0.7779
1/21/1992	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1371	0.7779
1/22/1992	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1371	0.7779
1/23/1992	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1342	0.7614
1/24/1992	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1263	0.7169
1/25/1992	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1244	0.7056
1/26/1992	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1249	0.7085
1/27/1992	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1283	0.7279
1/28/1992	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1351	0.7663
1/29/1992	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1360	0.7718
1/30/1992	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1365	0.7747
1/31/1992	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1365	0.7747
2/1/1992	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1371	0.7778
2/2/1992	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1409	0.7998
2/3/1992	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1444	0.8195
2/4/1992	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1461	0.8292
2/5/1992	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1485	0.8424
2/6/1992	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1504	0.8535
2/7/1992	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1517	0.8610
2/8/1992	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1536	0.8717
2/9/1992	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1543	0.8753
2/10/1992	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1543	0.8753
2/11/1992	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1543	0.8753
2/12/1992	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1556	0.8831
2/13/1992	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1591	0.9029
2/14/1992	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1591	0.9029
2/15/1992	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1533	0.8698
2/16/1992	129	A	32.3	22.0	183.3	0.068	0.387	0.000246407	99.6	99.9	0.0690	0.3918	0.1308	0.7421
2/17/1992	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.1135	0.6440
2/18/1992	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1013	0.5746
2/19/1992	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.0945	0.5364
2/20/1992	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1062	0.6026
2/21/1992	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1132	0.6422
2/22/1992	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1182	0.6705
2/23/1992	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1235	0.7005
2/24/1992	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1235	0.7005
2/25/1992	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1197	0.6791
2/26/1992	132	A	33.0	22.5	187.6	0.068	0.387	0.000246407	99.6	99.9	0.0675	0.3829	0.1047	0.5944

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
2/27/1992	156	A	39.0	26.6	221.7	0.068	0.387	0.000246407	99.6	99.9	0.0571	0.3240	0.0872	0.4949
2/28/1992	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0754	0.4280
2/29/1992	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0689	0.3909
3/1/1992	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0757	0.4296
3/2/1992	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.0864	0.4905
3/3/1992	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0946	0.5369
3/4/1992	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.0999	0.5668
3/5/1992	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1027	0.5828
3/6/1992	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1042	0.5913
3/7/1992	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.1045	0.5929
3/8/1992	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.1036	0.5880
3/9/1992	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1033	0.5862
3/10/1992	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1036	0.5880
3/11/1992	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0981	0.5566
3/12/1992	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.0943	0.5350
3/13/1992	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.0926	0.5252
3/14/1992	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.0922	0.5234
3/15/1992	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.0990	0.5618
3/16/1992	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1060	0.6014
3/17/1992	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1104	0.6266
3/18/1992	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1121	0.6362
3/19/1992	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.1069	0.6066
3/20/1992	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.1005	0.5705
3/21/1992	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.0966	0.5484
3/22/1992	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.0953	0.5407
3/23/1992	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1005	0.5703
3/24/1992	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1069	0.6063
3/25/1992	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1115	0.6328
3/26/1992	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.1097	0.6226
3/27/1992	158	A	39.5	27.0	224.5	0.068	0.387	0.000246407	99.6	99.9	0.0564	0.3199	0.0970	0.5503
3/28/1992	154	A	38.5	26.3	218.8	0.068	0.387	0.000246407	99.6	99.9	0.0578	0.3282	0.0833	0.4724
3/29/1992	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0728	0.4129
3/30/1992	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.0692	0.3924
3/31/1992	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.0763	0.4328
4/1/1992	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0841	0.4771
4/2/1992	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0876	0.4971
4/3/1992	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.0904	0.5129
4/4/1992	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.0948	0.5378
4/5/1992	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.0987	0.5601
4/6/1992	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1035	0.5872
4/7/1992	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1071	0.6078
4/8/1992	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1093	0.6205
4/9/1992	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1121	0.6359
4/10/1992	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1135	0.6440
4/11/1992	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1146	0.6502
4/12/1992	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1160	0.6585
4/13/1992	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1181	0.6699
4/14/1992	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1209	0.6863
4/15/1992	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1238	0.7027
4/16/1992	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1264	0.7169
4/17/1992	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1264	0.7169
4/18/1992	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1246	0.7072
4/19/1992	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1221	0.6929
4/20/1992	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1204	0.6832
4/21/1992	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1200	0.6808
4/22/1992	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1164	0.6605

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
4/23/1992	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1139	0.6464
4/24/1992	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1135	0.6442
4/25/1992	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1127	0.6395
4/26/1992	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1171	0.6646
4/27/1992	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1221	0.6929
4/28/1992	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1252	0.7102
4/29/1992	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1292	0.7332
4/30/1992	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1320	0.7491
5/1/1992	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1340	0.7601
5/2/1992	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1366	0.7748
5/3/1992	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1412	0.8012
5/4/1992	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1452	0.8239
5/5/1992	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1486	0.8431
5/6/1992	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1503	0.8531
5/7/1992	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1485	0.8424
5/8/1992	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.1288	0.7310
5/9/1992	176	A	44.0	30.1	250.1	0.068	0.387	0.000246407	99.6	99.9	0.0506	0.2871	0.1044	0.5922
5/10/1992	129	A	32.3	22.0	183.3	0.068	0.387	0.000246407	99.6	99.9	0.0690	0.3918	0.0845	0.4796
5/11/1992	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0717	0.4069
5/12/1992	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.0808	0.4582
5/13/1992	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.0959	0.5444
5/14/1992	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1069	0.6063
5/15/1992	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1121	0.6360
5/16/1992	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1146	0.6504
5/17/1992	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1177	0.6679
5/18/1992	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1209	0.6860
5/19/1992	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1238	0.7024
5/20/1992	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1283	0.7283
5/21/1992	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1322	0.7502
5/22/1992	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1362	0.7728
5/23/1992	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1435	0.8140
5/24/1992	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1476	0.8374
5/25/1992	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1493	0.8471
5/26/1992	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1499	0.8504
5/27/1992	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1451	0.8231
5/28/1992	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1426	0.8091
5/29/1992	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1432	0.8125
5/30/1992	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1457	0.8266
5/31/1992	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1442	0.8180
6/1/1992	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1392	0.7897
6/2/1992	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1363	0.7735
6/3/1992	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1370	0.7773
6/4/1992	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1463	0.8299
6/5/1992	144	A	36.0	24.6	204.6	0.068	0.387	0.000246407	99.6	99.9	0.0619	0.3510	0.1308	0.7421
6/6/1992	189	A	47.3	32.3	268.6	0.068	0.387	0.000246407	99.6	99.9	0.0471	0.2674	0.1083	0.6146
6/7/1992	127	A	31.8	21.7	180.5	0.068	0.387	0.000246407	99.6	99.9	0.0701	0.3979	0.0868	0.4925
6/8/1992	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.0710	0.4027
6/9/1992	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.0805	0.4569
6/10/1992	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.0943	0.5353
6/11/1992	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1061	0.6021
6/12/1992	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1113	0.6314
6/13/1992	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1190	0.6752
6/14/1992	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1277	0.7244
6/15/1992	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1337	0.7587
6/16/1992	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1383	0.7845
6/17/1992	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1439	0.8165

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
6/18/1992	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1494	0.8478
6/19/1992	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1512	0.8578
6/20/1992	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1501	0.8514
6/21/1992	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1470	0.8341
6/22/1992	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1444	0.8191
6/23/1992	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1470	0.8341
6/24/1992	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1500	0.8509
6/25/1992	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1517	0.8609
6/26/1992	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1474	0.8361
6/27/1992	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1441	0.8176
6/28/1992	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1468	0.8332
6/29/1992	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1525	0.8656
6/30/1992	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1643	0.9325
7/1/1992	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1715	0.9731
7/2/1992	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1669	0.9472
7/3/1992	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1653	0.9382
7/4/1992	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1561	0.8860
7/5/1992	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1516	0.8599
7/6/1992	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1561	0.8859
7/7/1992	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1547	0.8775
7/8/1992	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1638	0.9297
7/9/1992	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1732	0.9827
7/10/1992	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1833	1.0401
7/11/1992	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.1966	1.1153
7/12/1992	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2077	1.1785
7/13/1992	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2164	1.2278
7/14/1992	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2260	1.2821
7/15/1992	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2404	1.3641
7/16/1992	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2502	1.4199
7/17/1992	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2606	1.4788
7/18/1992	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2723	1.5449
7/19/1992	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2766	1.5696
7/20/1992	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2766	1.5696
7/21/1992	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2746	1.5583
7/22/1992	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.2492	1.4140
7/23/1992	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.2202	1.2494
7/24/1992	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1984	1.1255
7/25/1992	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1741	0.9879
7/26/1992	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1722	0.9774
7/27/1992	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1778	1.0090
7/28/1992	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1826	1.0360
7/29/1992	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.1984	1.1260
7/30/1992	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2141	1.2147
7/31/1992	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2213	1.2559
8/1/1992	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.2175	1.2340
8/2/1992	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2160	1.2259
8/3/1992	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2160	1.2259
8/4/1992	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2175	1.2340
8/5/1992	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2272	1.2894
8/6/1992	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2334	1.3245
8/7/1992	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2387	1.3547
8/8/1992	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2471	1.4023
8/9/1992	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2583	1.4657
8/10/1992	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2620	1.4864
8/11/1992	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2583	1.4657
8/12/1992	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.2402	1.3630

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
8/13/1992	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.2265	1.2852
8/14/1992	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1953	1.1080
8/15/1992	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.1582	0.8974
8/16/1992	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.1342	0.7616
8/17/1992	140	A	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.0983	0.5580
8/18/1992	358	A	89.5	61.2	508.7	0.068	0.387	0.000246407	99.6	99.9	0.0249	0.1412	0.0703	0.3989
8/19/1992	288	A	72.0	49.2	409.2	0.068	0.387	0.000246407	99.6	99.9	0.0309	0.1755	0.0533	0.3024
8/20/1992	160	A	40.0	27.3	227.3	0.068	0.387	0.000246407	99.6	99.9	0.0557	0.3159	0.0438	0.2484
8/21/1992	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.0469	0.2661
8/22/1992	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0634	0.3597
8/23/1992	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.0804	0.4563
8/24/1992	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0918	0.5209
8/25/1992	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.0987	0.5598
8/26/1992	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.1004	0.5697
8/27/1992	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1019	0.5780
8/28/1992	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1037	0.5885
8/29/1992	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1075	0.6100
8/30/1992	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1148	0.6517
8/31/1992	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1205	0.6835
9/1/1992	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1256	0.7125
9/2/1992	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1291	0.7327
9/3/1992	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1305	0.7407
9/4/1992	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1320	0.7488
9/5/1992	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1275	0.7236
9/6/1992	234	A	58.5	40.0	332.5	0.068	0.387	0.000246407	99.6	99.9	0.0381	0.2160	0.1038	0.5891
9/7/1992	193	A	48.3	33.0	274.2	0.068	0.387	0.000246407	99.6	99.9	0.0461	0.2619	0.0821	0.4660
9/8/1992	142	A	35.5	24.3	201.8	0.068	0.387	0.000246407	99.6	99.9	0.0627	0.3559	0.0646	0.3664
9/9/1992	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0550	0.3120
9/10/1992	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.0667	0.3783
9/11/1992	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0759	0.4309
9/12/1992	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0830	0.4709
9/13/1992	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.0895	0.5077
9/14/1992	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.0948	0.5378
9/15/1992	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1022	0.5796
9/16/1992	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1095	0.6215
9/17/1992	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1149	0.6518
9/18/1992	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1189	0.6745
9/19/1992	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1208	0.6853
9/20/1992	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1212	0.6876
9/21/1992	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1234	0.7000
9/22/1992	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1256	0.7127
9/23/1992	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1248	0.7082
9/24/1992	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1257	0.7131
9/25/1992	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.1128	0.6398
9/26/1992	212	A	53.0	36.2	301.2	0.068	0.387	0.000246407	99.6	99.9	0.0420	0.2384	0.0905	0.5136
9/27/1992	211	A	52.8	36.0	299.8	0.068	0.387	0.000246407	99.6	99.9	0.0422	0.2395	0.0718	0.4073
9/28/1992	159	A	39.8	27.2	225.9	0.068	0.387	0.000246407	99.6	99.9	0.0560	0.3178	0.0544	0.3088
9/29/1992	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0522	0.2961
9/30/1992	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0625	0.3546
10/1/1992	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0759	0.4306
10/2/1992	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.0863	0.4900
10/3/1992	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0945	0.5363
10/4/1992	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.0987	0.5602
10/5/1992	101	A	25.3	17.3	143.5	0.068	0.387	0.000246407	99.6	99.9	0.0882	0.5004	0.0968	0.5495
10/6/1992	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.0949	0.5382
10/7/1992	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.0938	0.5320

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
10/8/1992	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.0946	0.5370
10/9/1992	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1001	0.5678
10/10/1992	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1054	0.5981
10/11/1992	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1090	0.6187
10/12/1992	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1117	0.6338
10/13/1992	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1131	0.6419
10/14/1992	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1142	0.6481
10/15/1992	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1153	0.6542
10/16/1992	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1173	0.6653
10/17/1992	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1211	0.6870
10/18/1992	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1254	0.7115
10/19/1992	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1287	0.7305
10/20/1992	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1315	0.7460
10/21/1992	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1320	0.7488
10/22/1992	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1320	0.7488
10/23/1992	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1329	0.7543
10/24/1992	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1324	0.7515
10/25/1992	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1301	0.7384
10/26/1992	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1292	0.7330
10/27/1992	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1292	0.7330
10/28/1992	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1297	0.7357
10/29/1992	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1320	0.7488
10/30/1992	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1329	0.7543
10/31/1992	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1279	0.7256
11/1/1992	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1236	0.7012
11/2/1992	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1226	0.6957
11/3/1992	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.1136	0.6444
11/4/1992	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.1077	0.6109
11/5/1992	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.1019	0.5784
11/6/1992	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0936	0.5311
11/7/1992	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.0936	0.5311
11/8/1992	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.0978	0.5552
11/9/1992	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1032	0.5856
11/10/1992	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1102	0.6252
11/11/1992	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1153	0.6541
11/12/1992	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1170	0.6636
11/13/1992	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.1143	0.6486
11/14/1992	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1112	0.6310
11/15/1992	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1108	0.6288
11/16/1992	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1127	0.6397
11/17/1992	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1196	0.6785
11/18/1992	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1250	0.7092
11/19/1992	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1283	0.7282
11/20/1992	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1301	0.7380
11/21/1992	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1278	0.7252
11/22/1992	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1251	0.7097
11/23/1992	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1225	0.6951
11/24/1992	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1204	0.6831
11/25/1992	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1200	0.6807
11/26/1992	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1163	0.6599
11/27/1992	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.1116	0.6334
11/28/1992	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1084	0.6153
11/29/1992	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1065	0.6045
11/30/1992	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1094	0.6208
12/1/1992	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1145	0.6495
12/2/1992	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1169	0.6632

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
12/3/1992	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1184	0.6717
12/4/1992	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1196	0.6787
12/5/1992	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1205	0.6835
12/6/1992	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1248	0.7080
12/7/1992	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1283	0.7281
12/8/1992	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1322	0.7500
12/9/1992	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1360	0.7720
12/10/1992	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1333	0.7565
12/11/1992	151	A	37.8	25.8	214.6	0.068	0.387	0.000246407	99.6	99.9	0.0590	0.3347	0.1148	0.6516
12/12/1992	182	A	45.5	31.1	258.6	0.068	0.387	0.000246407	99.6	99.9	0.0489	0.2777	0.0923	0.5236
12/13/1992	147	A	36.8	25.1	208.9	0.068	0.387	0.000246407	99.6	99.9	0.0606	0.3438	0.0726	0.4121
12/14/1992	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0602	0.3418
12/15/1992	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0655	0.3719
12/16/1992	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.0745	0.4228
12/17/1992	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.0808	0.4584
12/18/1992	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0833	0.4726
12/19/1992	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.0844	0.4791
12/20/1992	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0829	0.4706
12/21/1992	127	A	31.8	21.7	180.5	0.068	0.387	0.000246407	99.6	99.9	0.0701	0.3979	0.0791	0.4486
12/22/1992	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0765	0.4343
12/23/1992	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0742	0.4211
12/24/1992	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.0735	0.4173
12/25/1992	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0776	0.4404
12/26/1992	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0818	0.4641
12/27/1992	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.0861	0.4886
12/28/1992	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0908	0.5150
12/29/1992	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.0916	0.5200
12/30/1992	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0902	0.5117
12/31/1992	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0880	0.4993
1/1/1993	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0861	0.4888
1/2/1993	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0871	0.4941
1/3/1993	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.0907	0.5149
1/4/1993	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0950	0.5393
1/5/1993	126	A	31.5	21.5	179.0	0.068	0.387	0.000246407	99.6	99.9	0.0707	0.4011	0.0909	0.5157
1/6/1993	156	A	39.0	26.6	221.7	0.068	0.387	0.000246407	99.6	99.9	0.0571	0.3240	0.0817	0.4637
1/7/1993	146	A	36.5	24.9	207.5	0.068	0.387	0.000246407	99.6	99.9	0.0610	0.3461	0.0725	0.4114
1/8/1993	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0622	0.3532
1/9/1993	186	A	46.5	31.8	264.3	0.068	0.387	0.000246407	99.6	99.9	0.0479	0.2717	0.0565	0.3208
1/10/1993	226	A	56.5	38.6	321.1	0.068	0.387	0.000246407	99.6	99.9	0.0394	0.2236	0.0521	0.2957
1/11/1993	220	A	55.0	37.6	312.6	0.068	0.387	0.000246407	99.6	99.9	0.0405	0.2297	0.0470	0.2666
1/12/1993	206	A	51.5	35.2	292.7	0.068	0.387	0.000246407	99.6	99.9	0.0432	0.2453	0.0428	0.2426
1/13/1993	194	A	48.5	33.1	275.7	0.068	0.387	0.000246407	99.6	99.9	0.0459	0.2605	0.0423	0.2398
1/14/1993	190	A	47.5	32.5	270.0	0.068	0.387	0.000246407	99.6	99.9	0.0469	0.2660	0.0441	0.2504
1/15/1993	178	A	44.5	30.4	252.9	0.068	0.387	0.000246407	99.6	99.9	0.0500	0.2839	0.0465	0.2639
1/16/1993	159	A	39.8	27.2	225.9	0.068	0.387	0.000246407	99.6	99.9	0.0560	0.3178	0.0497	0.2821
1/17/1993	155	A	38.8	26.5	220.2	0.068	0.387	0.000246407	99.6	99.9	0.0575	0.3260	0.0526	0.2984
1/18/1993	146	A	36.5	24.9	207.5	0.068	0.387	0.000246407	99.6	99.9	0.0610	0.3461	0.0561	0.3185
1/19/1993	138	A	34.5	23.6	196.1	0.068	0.387	0.000246407	99.6	99.9	0.0645	0.3662	0.0598	0.3391
1/20/1993	132	A	33.0	22.5	187.6	0.068	0.387	0.000246407	99.6	99.9	0.0675	0.3829	0.0626	0.3553
1/21/1993	129	A	32.3	22.0	183.3	0.068	0.387	0.000246407	99.6	99.9	0.0690	0.3918	0.0655	0.3717
1/22/1993	141	A	35.3	24.1	200.3	0.068	0.387	0.000246407	99.6	99.9	0.0632	0.3584	0.0661	0.3748
1/23/1993	144	A	36.0	24.6	204.6	0.068	0.387	0.000246407	99.6	99.9	0.0619	0.3510	0.0654	0.3710
1/24/1993	139	A	34.8	23.7	197.5	0.068	0.387	0.000246407	99.6	99.9	0.0641	0.3636	0.0645	0.3662
1/25/1993	135	A	33.8	23.1	191.8	0.068	0.387	0.000246407	99.6	99.9	0.0660	0.3743	0.0638	0.3618
1/26/1993	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0651	0.3694
1/27/1993	125	A	31.3	21.4	177.6	0.068	0.387	0.000246407	99.6	99.9	0.0713	0.4043	0.0675	0.3827

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
1/28/1993	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0703	0.3989
1/29/1993	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.0728	0.4133
1/30/1993	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.0760	0.4310
1/31/1993	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0790	0.4480
2/1/1993	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0807	0.4579
2/2/1993	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0846	0.4802
2/3/1993	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0881	0.4997
2/4/1993	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0902	0.5119
2/5/1993	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.0928	0.5265
2/6/1993	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0926	0.5252
2/7/1993	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0916	0.5197
2/8/1993	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.0918	0.5211
2/9/1993	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0926	0.5253
2/10/1993	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0938	0.5322
2/11/1993	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.0961	0.5453
2/12/1993	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0945	0.5363
2/13/1993	126	A	31.5	21.5	179.0	0.068	0.387	0.000246407	99.6	99.9	0.0707	0.4011	0.0882	0.5007
2/14/1993	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0835	0.4738
2/15/1993	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0807	0.4582
2/16/1993	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0828	0.4699
2/17/1993	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0888	0.5041
2/18/1993	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.0941	0.5340
2/19/1993	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.0987	0.5599
2/20/1993	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1028	0.5834
2/21/1993	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.1041	0.5909
2/22/1993	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.0981	0.5565
2/23/1993	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.0915	0.5192
2/24/1993	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0871	0.4942
2/25/1993	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.0880	0.4992
2/26/1993	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0949	0.5383
2/27/1993	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.0988	0.5608
2/28/1993	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.1004	0.5698
3/1/1993	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.1004	0.5698
3/2/1993	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.1010	0.5731
3/3/1993	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.1021	0.5794
3/4/1993	189	A	47.3	32.3	268.6	0.068	0.387	0.000246407	99.6	99.9	0.0471	0.2674	0.0889	0.5042
3/5/1993	504	A	126.0	86.1	716.1	0.068	0.387	0.000246407	99.6	99.9	0.0177	0.1003	0.0674	0.3824
3/6/1993	401	A	100.3	68.5	569.8	0.068	0.387	0.000246407	99.6	99.9	0.0222	0.1260	0.0471	0.2670
3/7/1993	272	A	68.0	46.5	386.5	0.068	0.387	0.000246407	99.6	99.9	0.0327	0.1858	0.0299	0.1699
3/8/1993	217	A	54.3	37.1	308.3	0.068	0.387	0.000246407	99.6	99.9	0.0410	0.2329	0.0284	0.1612
3/9/1993	198	A	49.5	33.8	281.3	0.068	0.387	0.000246407	99.6	99.9	0.0450	0.2552	0.0352	0.2000
3/10/1993	182	A	45.5	31.1	258.6	0.068	0.387	0.000246407	99.6	99.9	0.0489	0.2777	0.0419	0.2379
3/11/1993	173	A	43.3	29.6	245.8	0.068	0.387	0.000246407	99.6	99.9	0.0515	0.2921	0.0466	0.2645
3/12/1993	166	A	41.5	28.4	235.9	0.068	0.387	0.000246407	99.6	99.9	0.0537	0.3044	0.0498	0.2824
3/13/1993	261	A	65.3	44.6	370.9	0.068	0.387	0.000246407	99.6	99.9	0.0341	0.1936	0.0470	0.2670
3/14/1993	908	A	227.1	155.1	1290.2	0.068	0.387	0.000246407	99.6	99.9	0.0098	0.0557	0.0373	0.2115
3/15/1993	643	A	160.8	109.8	913.6	0.068	0.387	0.000246407	99.6	99.9	0.0139	0.0786	0.0279	0.1581
3/16/1993	369	A	92.3	63.0	524.3	0.068	0.387	0.000246407	99.6	99.9	0.0241	0.1370	0.0205	0.1162
3/17/1993	299	A	74.8	51.1	424.9	0.068	0.387	0.000246407	99.6	99.9	0.0298	0.1690	0.0194	0.1101
3/18/1993	364	A	91.0	62.2	517.2	0.068	0.387	0.000246407	99.6	99.9	0.0245	0.1388	0.0231	0.1309
3/19/1993	361	A	90.3	61.7	512.9	0.068	0.387	0.000246407	99.6	99.9	0.0247	0.1400	0.0258	0.1462
3/20/1993	286	A	71.5	48.9	406.4	0.068	0.387	0.000246407	99.6	99.9	0.0311	0.1767	0.0275	0.1561
3/21/1993	254	A	63.5	43.4	360.9	0.068	0.387	0.000246407	99.6	99.9	0.0351	0.1990	0.0288	0.1636
3/22/1993	236	A	59.0	40.3	335.3	0.068	0.387	0.000246407	99.6	99.9	0.0377	0.2141	0.0322	0.1825
3/23/1993	226	A	56.5	38.6	321.1	0.068	0.387	0.000246407	99.6	99.9	0.0394	0.2236	0.0358	0.2034
3/24/1993	230	A	57.5	39.3	326.8	0.068	0.387	0.000246407	99.6	99.9	0.0387	0.2197	0.0377	0.2141

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
3/25/1993	206	A	51.5	35.2	292.7	0.068	0.387	0.000246407	99.6	99.9	0.0432	0.2453	0.0398	0.2257
3/26/1993	204	A	51.0	34.8	289.9	0.068	0.387	0.000246407	99.6	99.9	0.0437	0.2477	0.0413	0.2341
3/27/1993	197	A	49.3	33.7	279.9	0.068	0.387	0.000246407	99.6	99.9	0.0452	0.2565	0.0427	0.2423
3/28/1993	199	A	49.8	34.0	282.8	0.068	0.387	0.000246407	99.6	99.9	0.0448	0.2540	0.0442	0.2509
3/29/1993	193	A	48.3	33.0	274.2	0.068	0.387	0.000246407	99.6	99.9	0.0461	0.2619	0.0449	0.2550
3/30/1993	185	A	46.3	31.6	262.9	0.068	0.387	0.000246407	99.6	99.9	0.0481	0.2732	0.0461	0.2614
3/31/1993	176	A	44.0	30.1	250.1	0.068	0.387	0.000246407	99.6	99.9	0.0506	0.2871	0.0474	0.2690
4/1/1993	187	A	46.8	31.9	265.7	0.068	0.387	0.000246407	99.6	99.9	0.0476	0.2703	0.0481	0.2731
4/2/1993	202	A	50.5	34.5	287.0	0.068	0.387	0.000246407	99.6	99.9	0.0441	0.2502	0.0476	0.2702
4/3/1993	198	A	49.5	33.8	281.3	0.068	0.387	0.000246407	99.6	99.9	0.0450	0.2552	0.0468	0.2657
4/4/1993	178	A	44.5	30.4	252.9	0.068	0.387	0.000246407	99.6	99.9	0.0500	0.2839	0.0467	0.2649
4/5/1993	167	A	41.8	28.5	237.3	0.068	0.387	0.000246407	99.6	99.9	0.0533	0.3026	0.0481	0.2730
4/6/1993	164	A	41.0	28.0	233.0	0.068	0.387	0.000246407	99.6	99.9	0.0543	0.3082	0.0507	0.2875
4/7/1993	155	A	38.8	26.5	220.2	0.068	0.387	0.000246407	99.6	99.9	0.0575	0.3260	0.0538	0.3052
4/8/1993	145	A	36.3	24.8	206.0	0.068	0.387	0.000246407	99.6	99.9	0.0614	0.3485	0.0566	0.3213
4/9/1993	144	A	36.0	24.6	204.6	0.068	0.387	0.000246407	99.6	99.9	0.0619	0.3510	0.0588	0.3334
4/10/1993	180	A	45.0	30.7	255.8	0.068	0.387	0.000246407	99.6	99.9	0.0495	0.2808	0.0576	0.3266
4/11/1993	221	A	55.3	37.8	314.0	0.068	0.387	0.000246407	99.6	99.9	0.0403	0.2287	0.0533	0.3022
4/12/1993	204	A	51.0	34.8	289.9	0.068	0.387	0.000246407	99.6	99.9	0.0437	0.2477	0.0488	0.2770
4/13/1993	181	A	45.3	30.9	257.2	0.068	0.387	0.000246407	99.6	99.9	0.0492	0.2792	0.0457	0.2591
4/14/1993	170	A	42.5	29.0	241.6	0.068	0.387	0.000246407	99.6	99.9	0.0524	0.2973	0.0464	0.2632
4/15/1993	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0509	0.2886
4/16/1993	156	A	39.0	26.6	221.7	0.068	0.387	0.000246407	99.6	99.9	0.0571	0.3240	0.0542	0.3077
4/17/1993	228	A	57.0	38.9	324.0	0.068	0.387	0.000246407	99.6	99.9	0.0391	0.2217	0.0517	0.2933
4/18/1993	237	A	59.3	40.5	336.8	0.068	0.387	0.000246407	99.6	99.9	0.0376	0.2132	0.0480	0.2723
4/19/1993	191	A	47.8	32.6	271.4	0.068	0.387	0.000246407	99.6	99.9	0.0466	0.2646	0.0451	0.2559
4/20/1993	166	A	41.5	28.4	235.9	0.068	0.387	0.000246407	99.6	99.9	0.0537	0.3044	0.0442	0.2510
4/21/1993	156	A	39.0	26.6	221.7	0.068	0.387	0.000246407	99.6	99.9	0.0571	0.3240	0.0487	0.2766
4/22/1993	190	A	47.5	32.5	270.0	0.068	0.387	0.000246407	99.6	99.9	0.0469	0.2660	0.0511	0.2897
4/23/1993	214	A	53.5	36.6	304.1	0.068	0.387	0.000246407	99.6	99.9	0.0416	0.2362	0.0498	0.2826
4/24/1993	181	A	45.3	30.9	257.2	0.068	0.387	0.000246407	99.6	99.9	0.0492	0.2792	0.0487	0.2763
4/25/1993	159	A	39.8	27.2	225.9	0.068	0.387	0.000246407	99.6	99.9	0.0560	0.3178	0.0484	0.2748
4/26/1993	158	A	39.5	27.0	224.5	0.068	0.387	0.000246407	99.6	99.9	0.0564	0.3199	0.0508	0.2883
4/27/1993	201	A	50.3	34.3	285.6	0.068	0.387	0.000246407	99.6	99.9	0.0443	0.2514	0.0515	0.2921
4/28/1993	198	A	49.5	33.8	281.3	0.068	0.387	0.000246407	99.6	99.9	0.0450	0.2552	0.0504	0.2861
4/29/1993	163	A	40.8	27.8	231.6	0.068	0.387	0.000246407	99.6	99.9	0.0546	0.3100	0.0501	0.2841
4/30/1993	150	A	37.5	25.6	213.1	0.068	0.387	0.000246407	99.6	99.9	0.0594	0.3369	0.0508	0.2884
5/1/1993	143	A	35.8	24.4	203.2	0.068	0.387	0.000246407	99.6	99.9	0.0623	0.3534	0.0553	0.3139
5/2/1993	131	A	32.8	22.4	186.1	0.068	0.387	0.000246407	99.6	99.9	0.0680	0.3858	0.0611	0.3465
5/3/1993	124	A	31.0	21.2	176.2	0.068	0.387	0.000246407	99.6	99.9	0.0718	0.4076	0.0654	0.3709
5/4/1993	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0711	0.4037
5/5/1993	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.0781	0.4429
5/6/1993	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.0804	0.4564
5/7/1993	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.0809	0.4589
5/8/1993	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.0796	0.4518
5/9/1993	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0772	0.4380
5/10/1993	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.0790	0.4484
5/11/1993	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.0818	0.4643
5/12/1993	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0831	0.4715
5/13/1993	134	A	33.5	22.9	190.4	0.068	0.387	0.000246407	99.6	99.9	0.0665	0.3771	0.0796	0.4519
5/14/1993	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0730	0.4142
5/15/1993	135	A	33.8	23.1	191.8	0.068	0.387	0.000246407	99.6	99.9	0.0660	0.3743	0.0683	0.3874
5/16/1993	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0665	0.3775
5/17/1993	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.0663	0.3761
5/18/1993	141	A	35.3	24.1	200.3	0.068	0.387	0.000246407	99.6	99.9	0.0632	0.3584	0.0675	0.3832
5/19/1993	182	A	45.5	31.1	258.6	0.068	0.387	0.000246407	99.6	99.9	0.0489	0.2777	0.0633	0.3590

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
5/20/1993	263	A	65.8	44.9	373.7	0.068	0.387	0.000246407	99.6	99.9	0.0339	0.1922	0.0529	0.3000
5/21/1993	258	A	64.5	44.1	366.6	0.068	0.387	0.000246407	99.6	99.9	0.0345	0.1959	0.0451	0.2560
5/22/1993	205	A	51.3	35.0	291.3	0.068	0.387	0.000246407	99.6	99.9	0.0434	0.2465	0.0402	0.2281
5/23/1993	165	A	41.3	28.2	234.4	0.068	0.387	0.000246407	99.6	99.9	0.0540	0.3063	0.0415	0.2352
5/24/1993	144	A	36.0	24.6	204.6	0.068	0.387	0.000246407	99.6	99.9	0.0619	0.3510	0.0484	0.2749
5/25/1993	137	A	34.3	23.4	194.7	0.068	0.387	0.000246407	99.6	99.9	0.0650	0.3689	0.0561	0.3182
5/26/1993	127	A	31.8	21.7	180.5	0.068	0.387	0.000246407	99.6	99.9	0.0701	0.3979	0.0627	0.3560
5/27/1993	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.0676	0.3839
5/28/1993	112	A	28.0	19.1	159.1	0.068	0.387	0.000246407	99.6	99.9	0.0795	0.4512	0.0721	0.4089
5/29/1993	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0764	0.4337
5/30/1993	101	A	25.3	17.3	143.5	0.068	0.387	0.000246407	99.6	99.9	0.0882	0.5004	0.0809	0.4593
5/31/1993	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0862	0.4893
6/1/1993	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0837	0.4752
6/2/1993	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.0822	0.4662
6/3/1993	109	A	27.3	18.6	154.9	0.068	0.387	0.000246407	99.6	99.9	0.0817	0.4636	0.0805	0.4570
6/4/1993	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0777	0.4407
6/5/1993	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0809	0.4590
6/6/1993	129	A	32.3	22.0	183.3	0.068	0.387	0.000246407	99.6	99.9	0.0690	0.3918	0.0791	0.4489
6/7/1993	114	A	28.5	19.5	162.0	0.068	0.387	0.000246407	99.6	99.9	0.0781	0.4433	0.0782	0.4438
6/8/1993	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0790	0.4484
6/9/1993	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0785	0.4453
6/10/1993	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0820	0.4654
6/11/1993	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0835	0.4738
6/12/1993	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0848	0.4813
6/13/1993	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.0913	0.5179
6/14/1993	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.0990	0.5618
6/15/1993	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1073	0.6089
6/16/1993	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1149	0.6517
6/17/1993	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1202	0.6818
6/18/1993	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1253	0.7112
6/19/1993	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1308	0.7424
6/20/1993	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1351	0.7667
6/21/1993	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1366	0.7748
6/22/1993	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1342	0.7613
6/23/1993	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1336	0.7583
6/24/1993	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1366	0.7750
6/25/1993	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1438	0.8162
6/26/1993	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1502	0.8524
6/27/1993	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1478	0.8385
6/28/1993	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1401	0.7951
6/29/1993	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1329	0.7539
6/30/1993	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1269	0.7203
7/1/1993	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1284	0.7284
7/2/1993	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1331	0.7550
7/3/1993	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1346	0.7639
7/4/1993	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1412	0.8012
7/5/1993	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1492	0.8466
7/6/1993	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1564	0.8876
7/7/1993	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1653	0.9379
7/8/1993	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1706	0.9678
7/9/1993	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1748	0.9917
7/10/1993	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1812	1.0280
7/11/1993	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.1905	1.0810
7/12/1993	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2012	1.1415
7/13/1993	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.2031	1.1524
7/14/1993	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1984	1.1255

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
7/15/1993	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.1683	0.9549
7/16/1993	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1477	0.8382
7/17/1993	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1449	0.8221
7/18/1993	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1496	0.8490
7/19/1993	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1773	1.0059
7/20/1993	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1807	1.0251
7/21/1993	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1816	1.0302
7/22/1993	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1838	1.0427
7/23/1993	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.1862	1.0564
7/24/1993	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2062	1.1698
7/25/1993	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2209	1.2534
7/26/1993	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2305	1.3077
7/27/1993	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2376	1.3484
7/28/1993	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2407	1.3659
7/29/1993	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2407	1.3659
7/30/1993	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2442	1.3854
7/31/1993	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2495	1.4155
8/1/1993	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2548	1.4456
8/2/1993	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2642	1.4990
8/3/1993	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2642	1.4990
8/4/1993	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2589	1.4689
8/5/1993	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2589	1.4689
8/6/1993	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.2411	1.3679
8/7/1993	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.2088	1.1848
8/8/1993	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1906	1.0817
8/9/1993	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1706	0.9680
8/10/1993	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1662	0.9430
8/11/1993	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.1878	1.0659
8/12/1993	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2044	1.1600
8/13/1993	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2192	1.2436
8/14/1993	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.2202	1.2494
8/15/1993	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.2167	1.2294
8/16/1993	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2199	1.2478
8/17/1993	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2216	1.2573
8/18/1993	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2350	1.3336
8/19/1993	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2510	1.4245
8/20/1993	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2463	1.3975
8/21/1993	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.2106	1.1951
8/22/1993	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1878	1.0658
8/23/1993	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.1767	1.0024
8/24/1993	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.1814	1.0294
8/25/1993	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2207	1.2524
8/26/1993	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2471	1.4023
8/27/1993	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2603	1.4770
8/28/1993	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2703	1.5336
8/29/1993	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2766	1.5696
8/30/1993	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2830	1.6055
8/31/1993	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2830	1.6055
9/1/1993	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2730	1.5489
9/2/1993	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2754	1.5625
9/3/1993	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.2860	1.6229
9/4/1993	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2981	1.6913
9/5/1993	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.2836	1.6091
9/6/1993	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.2578	1.4626
9/7/1993	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2449	1.3895
9/8/1993	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2449	1.3895

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
9/9/1993	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2770	1.5719
9/10/1993	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2941	1.6689
9/11/1993	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2864	1.6250
9/12/1993	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2864	1.6250
9/13/1993	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.2959	1.6791
9/14/1993	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3195	1.8129
9/15/1993	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3401	1.9299
9/16/1993	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3401	1.9299
9/17/1993	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3306	1.8758
9/18/1993	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2972	1.6862
9/19/1993	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2653	1.5054
9/20/1993	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2554	1.4490
9/21/1993	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2360	1.3393
9/22/1993	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2375	1.3474
9/23/1993	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2523	1.4318
9/24/1993	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2429	1.3785
9/25/1993	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2358	1.3378
9/26/1993	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.2177	1.2355
9/27/1993	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1920	1.0895
9/28/1993	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1716	0.9737
9/29/1993	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1670	0.9475
9/30/1993	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.1954	1.1087
10/1/1993	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.2484	1.4096
10/2/1993	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3055	1.7333
10/3/1993	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3539	2.0079
10/4/1993	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3876	2.1993
10/5/1993	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3960	2.2472
10/6/1993	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4106	2.3296
10/7/1993	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4198	2.3819
10/8/1993	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.4154	2.3569
10/9/1993	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3998	2.2686
10/10/1993	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3741	2.1228
10/11/1993	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3649	2.0705
10/12/1993	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.3377	1.9160
10/13/1993	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3288	1.8657
10/14/1993	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3288	1.8657
10/15/1993	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3211	1.8218
10/16/1993	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3405	1.9323
10/17/1993	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3528	2.0020
10/18/1993	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3528	2.0020
10/19/1993	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3528	2.0020
10/20/1993	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3462	1.9646
10/21/1993	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3339	1.8949
10/22/1993	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.3158	1.7918
10/23/1993	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3062	1.7377
10/24/1993	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3128	1.7751
10/25/1993	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3288	1.8659
10/26/1993	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3504	1.9884
10/27/1993	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.3093	1.7550
10/28/1993	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.2586	1.4675
10/29/1993	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2202	1.2492
10/30/1993	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1806	1.0246
10/31/1993	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1799	1.0209
11/1/1993	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1889	1.0719
11/2/1993	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.1982	1.1247
11/3/1993	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2142	1.2155

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
11/4/1993	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2440	1.3842
11/5/1993	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2641	1.4983
11/6/1993	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2606	1.4788
11/7/1993	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2537	1.4397
11/8/1993	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2499	1.4178
11/9/1993	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2479	1.4065
11/10/1993	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2552	1.4479
11/11/1993	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2684	1.5230
11/12/1993	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2766	1.5696
11/13/1993	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2830	1.6055
11/14/1993	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2873	1.6302
11/15/1993	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2873	1.6302
11/16/1993	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2873	1.6302
11/17/1993	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2830	1.6055
11/18/1993	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.2531	1.4364
11/19/1993	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.2277	1.2920
11/20/1993	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2102	1.1926
11/21/1993	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2029	1.1512
11/22/1993	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2264	1.2844
11/23/1993	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2455	1.3928
11/24/1993	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2566	1.4563
11/25/1993	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2583	1.4657
11/26/1993	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2564	1.4551
11/27/1993	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2564	1.4551
11/28/1993	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.2275	1.2906
11/29/1993	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1965	1.1152
11/30/1993	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1749	0.9926
12/1/1993	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1578	0.8956
12/2/1993	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1719	0.9757
12/3/1993	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1916	1.0873
12/4/1993	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2002	1.1361
12/5/1993	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1827	1.0369
12/6/1993	154	A	38.5	26.3	218.8	0.068	0.387	0.000246407	99.6	99.9	0.0578	0.3282	0.1466	0.8318
12/7/1993	145	A	36.3	24.8	206.0	0.068	0.387	0.000246407	99.6	99.9	0.0614	0.3485	0.1113	0.6318
12/8/1993	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.0866	0.4916
12/9/1993	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.0866	0.4916
12/10/1993	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1040	0.5900
12/11/1993	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1158	0.6570
12/12/1993	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1184	0.6720
12/13/1993	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1198	0.6796
12/14/1993	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1212	0.6877
12/15/1993	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1241	0.7044
12/16/1993	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.1138	0.6460
12/17/1993	131	A	32.8	22.4	186.1	0.068	0.387	0.000246407	99.6	99.9	0.0680	0.3858	0.0986	0.5593
12/18/1993	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0872	0.4946
12/19/1993	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.0813	0.4612
12/20/1993	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.0889	0.5045
12/21/1993	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0891	0.5053
12/22/1993	160	A	40.0	27.3	227.3	0.068	0.387	0.000246407	99.6	99.9	0.0557	0.3159	0.0811	0.4604
12/23/1993	138	A	34.5	23.6	196.1	0.068	0.387	0.000246407	99.6	99.9	0.0645	0.3662	0.0731	0.4146
12/24/1993	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0660	0.3748
12/25/1993	109	A	27.3	18.6	154.9	0.068	0.387	0.000246407	99.6	99.9	0.0817	0.4636	0.0693	0.3935
12/26/1993	101	A	25.3	17.3	143.5	0.068	0.387	0.000246407	99.6	99.9	0.0882	0.5004	0.0775	0.4396
12/27/1993	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0848	0.4811
12/28/1993	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0899	0.5098
12/29/1993	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0934	0.5298

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
12/30/1993	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0940	0.5336
12/31/1993	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0945	0.5365
1/1/1994	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0959	0.5442
1/2/1994	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.0934	0.5298
1/3/1994	127	A	31.8	21.7	180.5	0.068	0.387	0.000246407	99.6	99.9	0.0701	0.3979	0.0882	0.5004
1/4/1994	158	A	39.5	27.0	224.5	0.068	0.387	0.000246407	99.6	99.9	0.0564	0.3199	0.0783	0.4445
1/5/1994	181	A	45.3	30.9	257.2	0.068	0.387	0.000246407	99.6	99.9	0.0492	0.2792	0.0653	0.3707
1/6/1994	163	A	40.8	27.8	231.6	0.068	0.387	0.000246407	99.6	99.9	0.0546	0.3100	0.0576	0.3268
1/7/1994	145	A	36.3	24.8	206.0	0.068	0.387	0.000246407	99.6	99.9	0.0614	0.3485	0.0554	0.3144
1/8/1994	147	A	36.8	25.1	208.9	0.068	0.387	0.000246407	99.6	99.9	0.0606	0.3438	0.0565	0.3204
1/9/1994	146	A	36.5	24.9	207.5	0.068	0.387	0.000246407	99.6	99.9	0.0610	0.3461	0.0594	0.3371
1/10/1994	141	A	35.3	24.1	200.3	0.068	0.387	0.000246407	99.6	99.9	0.0632	0.3584	0.0615	0.3492
1/11/1994	132	A	33.0	22.5	187.6	0.068	0.387	0.000246407	99.6	99.9	0.0675	0.3829	0.0631	0.3578
1/12/1994	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0650	0.3690
1/13/1994	137	A	34.3	23.4	194.7	0.068	0.387	0.000246407	99.6	99.9	0.0650	0.3689	0.0660	0.3747
1/14/1994	141	A	35.3	24.1	200.3	0.068	0.387	0.000246407	99.6	99.9	0.0632	0.3584	0.0660	0.3747
1/15/1994	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.0655	0.3719
1/16/1994	189	A	47.3	32.3	268.6	0.068	0.387	0.000246407	99.6	99.9	0.0471	0.2674	0.0602	0.3416
1/17/1994	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.0623	0.3538
1/18/1994	169	A	42.3	28.9	240.1	0.068	0.387	0.000246407	99.6	99.9	0.0527	0.2990	0.0597	0.3389
1/19/1994	168	A	42.0	28.7	238.7	0.068	0.387	0.000246407	99.6	99.9	0.0530	0.3008	0.0566	0.3212
1/20/1994	144	A	36.0	24.6	204.6	0.068	0.387	0.000246407	99.6	99.9	0.0619	0.3510	0.0603	0.3421
1/21/1994	132	A	33.0	22.5	187.6	0.068	0.387	0.000246407	99.6	99.9	0.0675	0.3829	0.0588	0.3334
1/22/1994	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0653	0.3705
1/23/1994	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0728	0.4133
1/24/1994	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0782	0.4437
1/25/1994	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0821	0.4660
1/26/1994	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0807	0.4578
1/27/1994	134	A	33.5	22.9	190.4	0.068	0.387	0.000246407	99.6	99.9	0.0665	0.3771	0.0765	0.4340
1/28/1994	145	A	36.3	24.8	206.0	0.068	0.387	0.000246407	99.6	99.9	0.0614	0.3485	0.0710	0.4031
1/29/1994	196	A	49.0	33.5	278.5	0.068	0.387	0.000246407	99.6	99.9	0.0454	0.2578	0.0616	0.3494
1/30/1994	205	A	51.3	35.0	291.3	0.068	0.387	0.000246407	99.6	99.9	0.0434	0.2465	0.0542	0.3075
1/31/1994	168	A	42.0	28.7	238.7	0.068	0.387	0.000246407	99.6	99.9	0.0530	0.3008	0.0508	0.2884
2/1/1994	155	A	38.8	26.5	220.2	0.068	0.387	0.000246407	99.6	99.9	0.0575	0.3260	0.0498	0.2828
2/2/1994	146	A	36.5	24.9	207.5	0.068	0.387	0.000246407	99.6	99.9	0.0610	0.3461	0.0537	0.3049
2/3/1994	133	A	33.3	22.7	189.0	0.068	0.387	0.000246407	99.6	99.9	0.0670	0.3800	0.0596	0.3382
2/4/1994	127	A	31.8	21.7	180.5	0.068	0.387	0.000246407	99.6	99.9	0.0701	0.3979	0.0639	0.3625
2/5/1994	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0676	0.3837
2/6/1994	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0705	0.3999
2/7/1994	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0718	0.4076
2/8/1994	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0724	0.4109
2/9/1994	158	A	39.5	27.0	224.5	0.068	0.387	0.000246407	99.6	99.9	0.0564	0.3199	0.0684	0.3881
2/10/1994	208	A	52.0	35.5	295.5	0.068	0.387	0.000246407	99.6	99.9	0.0428	0.2430	0.0610	0.3461
2/11/1994	267	A	66.8	45.6	379.4	0.068	0.387	0.000246407	99.6	99.9	0.0334	0.1893	0.0512	0.2907
2/12/1994	363	A	90.8	62.0	515.8	0.068	0.387	0.000246407	99.6	99.9	0.0245	0.1392	0.0393	0.2228
2/13/1994	346	A	86.5	59.1	491.6	0.068	0.387	0.000246407	99.6	99.9	0.0257	0.1461	0.0316	0.1794
2/14/1994	279	A	69.8	47.7	396.4	0.068	0.387	0.000246407	99.6	99.9	0.0319	0.1811	0.0289	0.1639
2/15/1994	267	A	66.8	45.6	379.4	0.068	0.387	0.000246407	99.6	99.9	0.0334	0.1893	0.0289	0.1639
2/16/1994	265	A	66.3	45.3	376.5	0.068	0.387	0.000246407	99.6	99.9	0.0336	0.1907	0.0312	0.1768
2/17/1994	250	A	62.5	42.7	355.2	0.068	0.387	0.000246407	99.6	99.9	0.0356	0.2021	0.0336	0.1908
2/18/1994	218	A	54.5	37.2	309.8	0.068	0.387	0.000246407	99.6	99.9	0.0409	0.2318	0.0359	0.2035
2/19/1994	193	A	48.3	33.0	274.2	0.068	0.387	0.000246407	99.6	99.9	0.0461	0.2619	0.0391	0.2216
2/20/1994	194	A	48.5	33.1	275.7	0.068	0.387	0.000246407	99.6	99.9	0.0459	0.2605	0.0421	0.2391
2/21/1994	190	A	47.5	32.5	270.0	0.068	0.387	0.000246407	99.6	99.9	0.0469	0.2660	0.0449	0.2550
2/22/1994	184	A	46.0	31.4	261.4	0.068	0.387	0.000246407	99.6	99.9	0.0484	0.2747	0.0468	0.2657
2/23/1994	238	A	59.5	40.7	338.2	0.068	0.387	0.000246407	99.6	99.9	0.0374	0.2123	0.0447	0.2534

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
2/24/1994	514	A	128.5	87.8	730.3	0.068	0.387	0.000246407	99.6	99.9	0.0173	0.0983	0.0375	0.2128
2/25/1994	567	A	141.8	96.9	805.7	0.068	0.387	0.000246407	99.6	99.9	0.0157	0.0891	0.0297	0.1686
2/26/1994	380	A	95.0	64.9	539.9	0.068	0.387	0.000246407	99.6	99.9	0.0234	0.1330	0.0235	0.1332
2/27/1994	282	A	70.5	48.2	400.7	0.068	0.387	0.000246407	99.6	99.9	0.0316	0.1792	0.0220	0.1249
2/28/1994	241	A	60.3	41.2	342.4	0.068	0.387	0.000246407	99.6	99.9	0.0370	0.2097	0.0269	0.1528
3/1/1994	226	A	56.5	38.6	321.1	0.068	0.387	0.000246407	99.6	99.9	0.0394	0.2236	0.0328	0.1864
3/2/1994	284	A	71.0	48.5	403.5	0.068	0.387	0.000246407	99.6	99.9	0.0314	0.1779	0.0348	0.1976
3/3/1994	1150	A	287.6	196.5	1634.0	0.068	0.387	0.000246407	99.6	99.9	0.0077	0.0439	0.0289	0.1638
3/4/1994	1260	A	315.1	215.2	1790.3	0.068	0.387	0.000246407	99.6	99.9	0.0071	0.0401	0.0214	0.1214
3/5/1994	663	A	165.8	113.3	942.1	0.068	0.387	0.000246407	99.6	99.9	0.0134	0.0762	0.0149	0.0846
3/6/1994	463	A	115.8	79.1	657.9	0.068	0.387	0.000246407	99.6	99.9	0.0192	0.1092	0.0119	0.0674
3/7/1994	360	A	90.0	61.5	511.5	0.068	0.387	0.000246407	99.6	99.9	0.0247	0.1404	0.0161	0.0915
3/8/1994	309	A	77.3	52.8	439.1	0.068	0.387	0.000246407	99.6	99.9	0.0288	0.1636	0.0216	0.1223
3/9/1994	300	A	75.0	51.2	426.3	0.068	0.387	0.000246407	99.6	99.9	0.0297	0.1685	0.0256	0.1454
3/10/1994	306	A	76.5	52.3	434.8	0.068	0.387	0.000246407	99.6	99.9	0.0291	0.1652	0.0281	0.1594
3/11/1994	447	A	111.8	76.4	635.1	0.068	0.387	0.000246407	99.6	99.9	0.0199	0.1131	0.0269	0.1526
3/12/1994	434	A	108.5	74.1	616.7	0.068	0.387	0.000246407	99.6	99.9	0.0205	0.1164	0.0248	0.1408
3/13/1994	323	A	80.8	55.2	459.0	0.068	0.387	0.000246407	99.6	99.9	0.0276	0.1565	0.0243	0.1378
3/14/1994	278	A	69.5	47.5	395.0	0.068	0.387	0.000246407	99.6	99.9	0.0320	0.1818	0.0250	0.1419
3/15/1994	267	A	66.8	45.6	379.4	0.068	0.387	0.000246407	99.6	99.9	0.0334	0.1893	0.0284	0.1610
3/16/1994	254	A	63.5	43.4	360.9	0.068	0.387	0.000246407	99.6	99.9	0.0351	0.1990	0.0320	0.1816
3/17/1994	233	A	58.3	39.8	331.1	0.068	0.387	0.000246407	99.6	99.9	0.0382	0.2169	0.0347	0.1967
3/18/1994	221	A	55.3	37.8	314.0	0.068	0.387	0.000246407	99.6	99.9	0.0403	0.2287	0.0367	0.2085
3/19/1994	216	A	54.0	36.9	306.9	0.068	0.387	0.000246407	99.6	99.9	0.0412	0.2340	0.0387	0.2196
3/20/1994	207	A	51.8	35.4	294.1	0.068	0.387	0.000246407	99.6	99.9	0.0430	0.2441	0.0407	0.2309
3/21/1994	201	A	50.3	34.3	285.6	0.068	0.387	0.000246407	99.6	99.9	0.0443	0.2514	0.0422	0.2396
3/22/1994	227	A	56.8	38.8	322.5	0.068	0.387	0.000246407	99.6	99.9	0.0392	0.2226	0.0420	0.2380
3/23/1994	209	A	52.3	35.7	297.0	0.068	0.387	0.000246407	99.6	99.9	0.0426	0.2418	0.0423	0.2400
3/24/1994	223	A	55.8	38.1	316.9	0.068	0.387	0.000246407	99.6	99.9	0.0399	0.2266	0.0415	0.2356
3/25/1994	222	A	55.5	37.9	315.4	0.068	0.387	0.000246407	99.6	99.9	0.0401	0.2276	0.0405	0.2297
3/26/1994	222	A	55.5	37.9	315.4	0.068	0.387	0.000246407	99.6	99.9	0.0401	0.2276	0.0407	0.2309
3/27/1994	224	A	56.0	38.3	318.3	0.068	0.387	0.000246407	99.6	99.9	0.0398	0.2256	0.0400	0.2269
3/28/1994	297	A	74.3	50.7	422.0	0.068	0.387	0.000246407	99.6	99.9	0.0300	0.1702	0.0375	0.2128
3/29/1994	503	A	125.8	85.9	714.7	0.068	0.387	0.000246407	99.6	99.9	0.0177	0.1005	0.0319	0.1810
3/30/1994	621	A	155.3	106.1	882.4	0.068	0.387	0.000246407	99.6	99.9	0.0143	0.0814	0.0254	0.1444
3/31/1994	409	A	102.3	69.9	581.2	0.068	0.387	0.000246407	99.6	99.9	0.0218	0.1236	0.0210	0.1189
4/1/1994	359	A	89.8	61.3	510.1	0.068	0.387	0.000246407	99.6	99.9	0.0248	0.1408	0.0197	0.1115
4/2/1994	431	A	107.8	73.6	612.4	0.068	0.387	0.000246407	99.6	99.9	0.0207	0.1173	0.0204	0.1157
4/3/1994	336	A	84.0	57.4	477.4	0.068	0.387	0.000246407	99.6	99.9	0.0265	0.1504	0.0234	0.1330
4/4/1994	269	A	67.3	46.0	382.2	0.068	0.387	0.000246407	99.6	99.9	0.0331	0.1879	0.0263	0.1491
4/5/1994	235	A	58.8	40.1	333.9	0.068	0.387	0.000246407	99.6	99.9	0.0379	0.2151	0.0295	0.1676
4/6/1994	219	A	54.8	37.4	311.2	0.068	0.387	0.000246407	99.6	99.9	0.0407	0.2308	0.0345	0.1960
4/7/1994	217	A	54.3	37.1	308.3	0.068	0.387	0.000246407	99.6	99.9	0.0410	0.2329	0.0382	0.2166
4/8/1994	206	A	51.5	35.2	292.7	0.068	0.387	0.000246407	99.6	99.9	0.0432	0.2453	0.0407	0.2310
4/9/1994	192	A	48.0	32.8	272.8	0.068	0.387	0.000246407	99.6	99.9	0.0464	0.2632	0.0428	0.2430
4/10/1994	178	A	44.5	30.4	252.9	0.068	0.387	0.000246407	99.6	99.9	0.0500	0.2839	0.0452	0.2563
4/11/1994	173	A	43.3	29.6	245.8	0.068	0.387	0.000246407	99.6	99.9	0.0515	0.2921	0.0478	0.2711
4/12/1994	168	A	42.0	28.7	238.7	0.068	0.387	0.000246407	99.6	99.9	0.0530	0.3008	0.0502	0.2850
4/13/1994	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0532	0.3018
4/14/1994	195	A	48.8	33.3	277.1	0.068	0.387	0.000246407	99.6	99.9	0.0457	0.2592	0.0521	0.2956
4/15/1994	238	A	59.5	40.7	338.2	0.068	0.387	0.000246407	99.6	99.9	0.0374	0.2123	0.0486	0.2757
4/16/1994	210	A	52.5	35.9	298.4	0.068	0.387	0.000246407	99.6	99.9	0.0424	0.2407	0.0459	0.2606
4/17/1994	169	A	42.3	28.9	240.1	0.068	0.387	0.000246407	99.6	99.9	0.0527	0.2990	0.0446	0.2528
4/18/1994	154	A	38.5	26.3	218.8	0.068	0.387	0.000246407	99.6	99.9	0.0578	0.3282	0.0476	0.2700
4/19/1994	144	A	36.0	24.6	204.6	0.068	0.387	0.000246407	99.6	99.9	0.0619	0.3510	0.0537	0.3047
4/20/1994	138	A	34.5	23.6	196.1	0.068	0.387	0.000246407	99.6	99.9	0.0645	0.3662	0.0592	0.3361

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
4/21/1994	132	A	33.0	22.5	187.6	0.068	0.387	0.000246407	99.6	99.9	0.0675	0.3829	0.0629	0.3570
4/22/1994	124	A	31.0	21.2	176.2	0.068	0.387	0.000246407	99.6	99.9	0.0718	0.4076	0.0664	0.3769
4/23/1994	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.0694	0.3936
4/24/1994	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.0735	0.4169
4/25/1994	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.0780	0.4426
4/26/1994	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0823	0.4671
4/27/1994	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0866	0.4916
4/28/1994	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.0878	0.4982
4/29/1994	124	A	31.0	21.2	176.2	0.068	0.387	0.000246407	99.6	99.9	0.0718	0.4076	0.0844	0.4786
4/30/1994	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0802	0.4550
5/1/1994	126	A	31.5	21.5	179.0	0.068	0.387	0.000246407	99.6	99.9	0.0707	0.4011	0.0751	0.4264
5/2/1994	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0720	0.4084
5/3/1994	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0729	0.4136
5/4/1994	132	A	33.0	22.5	187.6	0.068	0.387	0.000246407	99.6	99.9	0.0675	0.3829	0.0717	0.4066
5/5/1994	173	A	43.3	29.6	245.8	0.068	0.387	0.000246407	99.6	99.9	0.0515	0.2921	0.0669	0.3794
5/6/1994	164	A	41.0	28.0	233.0	0.068	0.387	0.000246407	99.6	99.9	0.0543	0.3082	0.0622	0.3529
5/7/1994	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0584	0.3311
5/8/1994	140	A	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.0574	0.3257
5/9/1994	133	A	33.3	22.7	189.0	0.068	0.387	0.000246407	99.6	99.9	0.0670	0.3800	0.0613	0.3476
5/10/1994	129	A	32.3	22.0	183.3	0.068	0.387	0.000246407	99.6	99.9	0.0690	0.3918	0.0650	0.3685
5/11/1994	126	A	31.5	21.5	179.0	0.068	0.387	0.000246407	99.6	99.9	0.0707	0.4011	0.0676	0.3835
5/12/1994	120	A	30.0	20.5	170.5	0.068	0.387	0.000246407	99.6	99.9	0.0742	0.4211	0.0702	0.3985
5/13/1994	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.0728	0.4134
5/14/1994	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0762	0.4324
5/15/1994	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.0797	0.4525
5/16/1994	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0818	0.4642
5/17/1994	101	A	25.3	17.3	143.5	0.068	0.387	0.000246407	99.6	99.9	0.0882	0.5004	0.0845	0.4794
5/18/1994	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.0864	0.4900
5/19/1994	114	A	28.5	19.5	162.0	0.068	0.387	0.000246407	99.6	99.9	0.0781	0.4433	0.0847	0.4805
5/20/1994	112	A	28.0	19.1	159.1	0.068	0.387	0.000246407	99.6	99.9	0.0795	0.4512	0.0839	0.4763
5/21/1994	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.0831	0.4716
5/22/1994	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0824	0.4678
5/23/1994	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.0854	0.4846
5/24/1994	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0890	0.5048
5/25/1994	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0907	0.5147
5/26/1994	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.0901	0.5112
5/27/1994	174	A	43.5	29.7	247.2	0.068	0.387	0.000246407	99.6	99.9	0.0512	0.2904	0.0804	0.4562
5/28/1994	154	A	38.5	26.3	218.8	0.068	0.387	0.000246407	99.6	99.9	0.0578	0.3282	0.0714	0.4052
5/29/1994	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.0675	0.3830
5/30/1994	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0690	0.3916
5/31/1994	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.0809	0.4593
6/1/1994	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.0912	0.5177
6/2/1994	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.0972	0.5516
6/3/1994	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1017	0.5768
6/4/1994	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1070	0.6071
6/5/1994	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1141	0.6473
6/6/1994	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1204	0.6832
6/7/1994	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1251	0.7097
6/8/1994	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1268	0.7194
6/9/1994	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1272	0.7220
6/10/1994	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1301	0.7385
6/11/1994	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1337	0.7585
6/12/1994	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1367	0.7754
6/13/1994	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1403	0.7961
6/14/1994	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1432	0.8123
6/15/1994	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1410	0.8003

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
6/16/1994	188	A	47.0	32.1	267.1	0.068	0.387	0.000246407	99.6	99.9	0.0474	0.2688	0.1181	0.6701
6/17/1994	180	A	45.0	30.7	255.8	0.068	0.387	0.000246407	99.6	99.9	0.0495	0.2808	0.0946	0.5365
6/18/1994	114	A	28.5	19.5	162.0	0.068	0.387	0.000246407	99.6	99.9	0.0781	0.4433	0.0770	0.4368
6/19/1994	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.0703	0.3986
6/20/1994	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.0881	0.4999
6/21/1994	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1058	0.6004
6/22/1994	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1172	0.6651
6/23/1994	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1234	0.7005
6/24/1994	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1231	0.6982
6/25/1994	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1257	0.7133
6/26/1994	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1345	0.7634
6/27/1994	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1383	0.7848
6/28/1994	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1427	0.8100
6/29/1994	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1471	0.8347
6/30/1994	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1396	0.7922
7/1/1994	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1359	0.7709
7/2/1994	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1399	0.7936
7/3/1994	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1425	0.8087
7/4/1994	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1515	0.8595
7/5/1994	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1600	0.9077
7/6/1994	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1620	0.9192
7/7/1994	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1627	0.9233
7/8/1994	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1651	0.9370
7/9/1994	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1713	0.9719
7/10/1994	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1821	1.0334
7/11/1994	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.1947	1.1045
7/12/1994	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2067	1.1726
7/13/1994	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2164	1.2278
7/14/1994	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.2176	1.2344
7/15/1994	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.2129	1.2083
7/16/1994	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2103	1.1933
7/17/1994	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2089	1.1852
7/18/1994	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.2089	1.1852
7/19/1994	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.2068	1.1737
7/20/1994	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.2056	1.1667
7/21/1994	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2070	1.1748
7/22/1994	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2154	1.2225
7/23/1994	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2261	1.2832
7/24/1994	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.2128	1.2072
7/25/1994	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1977	1.1216
7/26/1994	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1728	0.9807
7/27/1994	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1443	0.8187
7/28/1994	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.1309	0.7429
7/29/1994	168	A	42.0	28.7	238.7	0.068	0.387	0.000246407	99.6	99.9	0.0530	0.3008	0.1022	0.5797
7/30/1994	141	A	35.3	24.1	200.3	0.068	0.387	0.000246407	99.6	99.9	0.0632	0.3584	0.0826	0.4687
7/31/1994	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.0803	0.4554
8/1/1994	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.0821	0.4657
8/2/1994	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.0974	0.5524
8/3/1994	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1134	0.6433
8/4/1994	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1214	0.6891
8/5/1994	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1278	0.7254
8/6/1994	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1302	0.7389
8/7/1994	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1312	0.7442
8/8/1994	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1346	0.7640
8/9/1994	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1419	0.8051
8/10/1994	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1530	0.8680

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
8/11/1994	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1639	0.9300
8/12/1994	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1716	0.9737
8/13/1994	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1766	1.0018
8/14/1994	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1736	0.9851
8/15/1994	139	A	34.8	23.7	197.5	0.068	0.387	0.000246407	99.6	99.9	0.0641	0.3636	0.1460	0.8282
8/16/1994	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.1230	0.6980
8/17/1994	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1065	0.6042
8/18/1994	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.0953	0.5405
8/19/1994	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1097	0.6227
8/20/1994	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1215	0.6895
8/21/1994	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1291	0.7325
8/22/1994	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1309	0.7430
8/23/1994	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1327	0.7531
8/24/1994	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1356	0.7693
8/25/1994	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1388	0.7877
8/26/1994	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1504	0.8533
8/27/1994	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1593	0.9041
8/28/1994	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1650	0.9365
8/29/1994	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1689	0.9586
8/30/1994	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1732	0.9825
8/31/1994	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1793	1.0174
9/1/1994	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1838	1.0432
9/2/1994	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1876	1.0643
9/3/1994	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1916	1.0872
9/4/1994	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.1972	1.1192
9/5/1994	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2055	1.1662
9/6/1994	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2138	1.2133
9/7/1994	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2214	1.2565
9/8/1994	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2286	1.2971
9/9/1994	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2348	1.3322
9/10/1994	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2446	1.3880
9/11/1994	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2530	1.4356
9/12/1994	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2603	1.4770
9/13/1994	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2703	1.5336
9/14/1994	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2744	1.5568
9/15/1994	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2744	1.5568
9/16/1994	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2724	1.5456
9/17/1994	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2680	1.5209
9/18/1994	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.2397	1.3600
9/19/1994	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.2206	1.2516
9/20/1994	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2081	1.1809
9/21/1994	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.1949	1.1062
9/22/1994	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.1755	0.9960
9/23/1994	223	A	55.8	38.1	316.9	0.068	0.387	0.000246407	99.6	99.9	0.0399	0.2266	0.1391	0.7895
9/24/1994	179	A	44.8	30.6	254.3	0.068	0.387	0.000246407	99.6	99.9	0.0498	0.2823	0.0986	0.5593
9/25/1994	101	A	25.3	17.3	143.5	0.068	0.387	0.000246407	99.6	99.9	0.0882	0.5004	0.0663	0.3762
9/26/1994	163	A	40.8	27.8	231.6	0.068	0.387	0.000246407	99.6	99.9	0.0546	0.3100	0.0581	0.3298
9/27/1994	233	A	58.3	39.8	331.1	0.068	0.387	0.000246407	99.6	99.9	0.0382	0.2169	0.0577	0.3274
9/28/1994	191	A	47.8	32.6	271.4	0.068	0.387	0.000246407	99.6	99.9	0.0466	0.2646	0.0569	0.3230
9/29/1994	119	A	29.8	20.3	169.1	0.068	0.387	0.000246407	99.6	99.9	0.0748	0.4247	0.0536	0.3041
9/30/1994	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0639	0.3624
10/1/1994	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.0788	0.4470
10/2/1994	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0924	0.5244
10/3/1994	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0990	0.5618
10/4/1994	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.1010	0.5729
10/5/1994	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1030	0.5845

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
10/6/1994	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1049	0.5950
10/7/1994	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1085	0.6155
10/8/1994	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1115	0.6326
10/9/1994	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1143	0.6485
10/10/1994	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1168	0.6629
10/11/1994	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1193	0.6767
10/12/1994	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1222	0.6931
10/13/1994	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1261	0.7155
10/14/1994	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1312	0.7444
10/15/1994	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1341	0.7608
10/16/1994	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1382	0.7841
10/17/1994	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1421	0.8061
10/18/1994	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1444	0.8193
10/19/1994	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1472	0.8355
10/20/1994	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1484	0.8423
10/21/1994	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1491	0.8459
10/22/1994	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1510	0.8569
10/23/1994	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1457	0.8269
10/24/1994	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1387	0.7870
10/25/1994	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1347	0.7643
10/26/1994	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1321	0.7498
10/27/1994	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1381	0.7834
10/28/1994	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1470	0.8343
10/29/1994	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1531	0.8685
10/30/1994	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1578	0.8954
10/31/1994	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1598	0.9068
11/1/1994	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1573	0.8923
11/2/1994	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1552	0.8808
11/3/1994	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1552	0.8808
11/4/1994	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1575	0.8936
11/5/1994	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1638	0.9295
11/6/1994	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1673	0.9493
11/7/1994	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1658	0.9409
11/8/1994	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1666	0.9455
11/9/1994	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1675	0.9503
11/10/1994	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1675	0.9503
11/11/1994	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1689	0.9586
11/12/1994	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1689	0.9586
11/13/1994	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1689	0.9586
11/14/1994	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1714	0.9724
11/15/1994	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1738	0.9862
11/16/1994	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1746	0.9909
11/17/1994	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1675	0.9503
11/18/1994	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1576	0.8940
11/19/1994	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1448	0.8218
11/20/1994	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1360	0.7714
11/21/1994	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1280	0.7263
11/22/1994	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.1133	0.6429
11/23/1994	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.1053	0.5976
11/24/1994	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.0998	0.5665
11/25/1994	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1036	0.5876
11/26/1994	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1178	0.6682
11/27/1994	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1275	0.7237
11/28/1994	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1257	0.7135
11/29/1994	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1217	0.6903
11/30/1994	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1202	0.6822

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
12/1/1994	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1212	0.6878
12/2/1994	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1302	0.7390
12/3/1994	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1392	0.7896
12/4/1994	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1438	0.8162
12/5/1994	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1415	0.8028
12/6/1994	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1355	0.7687
12/7/1994	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1302	0.7386
12/8/1994	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1279	0.7259
12/9/1994	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1314	0.7453
12/10/1994	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1305	0.7407
12/11/1994	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.1232	0.6991
12/12/1994	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1171	0.6646
12/13/1994	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1133	0.6427
12/14/1994	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1154	0.6547
12/15/1994	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1232	0.6990
12/16/1994	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1282	0.7276
12/17/1994	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1296	0.7353
12/18/1994	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1296	0.7353
12/19/1994	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1296	0.7353
12/20/1994	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1296	0.7353
12/21/1994	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1305	0.7407
12/22/1994	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1335	0.7577
12/23/1994	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1298	0.7365
12/24/1994	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1275	0.7234
12/25/1994	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1327	0.7527
12/26/1994	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1356	0.7694
12/27/1994	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1442	0.8180
12/28/1994	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1503	0.8531
12/29/1994	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1485	0.8424
12/30/1994	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1491	0.8461
12/31/1994	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1511	0.8572
1/1/1995	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1493	0.8471
1/2/1995	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1481	0.8406
1/3/1995	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1475	0.8369
1/4/1995	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1468	0.8331
1/5/1995	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1520	0.8622
1/6/1995	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1571	0.8914
1/7/1995	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.1384	0.7852
1/8/1995	114	A	28.5	19.5	162.0	0.068	0.387	0.000246407	99.6	99.9	0.0781	0.4433	0.1195	0.6782
1/9/1995	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.1046	0.5937
1/10/1995	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.0938	0.5325
1/11/1995	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1057	0.6000
1/12/1995	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1171	0.6646
1/13/1995	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1225	0.6949
1/14/1995	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1246	0.7069
1/15/1995	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1246	0.7069
1/16/1995	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1233	0.6999
1/17/1995	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1233	0.6999
1/18/1995	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1233	0.6999
1/19/1995	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1217	0.6907
1/20/1995	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.1109	0.6293
1/21/1995	166	A	41.5	28.4	235.9	0.068	0.387	0.000246407	99.6	99.9	0.0537	0.3044	0.0934	0.5299
1/22/1995	140	A	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.0775	0.4397
1/23/1995	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0682	0.3872
1/24/1995	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0721	0.4091
1/25/1995	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0824	0.4674

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
1/26/1995	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.0921	0.5224
1/27/1995	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.0985	0.5590
1/28/1995	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1020	0.5787
1/29/1995	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.1033	0.5862
1/30/1995	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.1036	0.5879
1/31/1995	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1039	0.5897
2/1/1995	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1059	0.6010
2/2/1995	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1077	0.6113
2/3/1995	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1097	0.6223
2/4/1995	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.1060	0.6017
2/5/1995	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0985	0.5587
2/6/1995	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0913	0.5183
2/7/1995	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0872	0.4948
2/8/1995	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.0915	0.5192
2/9/1995	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.0991	0.5621
2/10/1995	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1079	0.6123
2/11/1995	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1121	0.6358
2/12/1995	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1121	0.6358
2/13/1995	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1136	0.6443
2/14/1995	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1151	0.6531
2/15/1995	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1158	0.6571
2/16/1995	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.1086	0.6160
2/17/1995	114	A	28.5	19.5	162.0	0.068	0.387	0.000246407	99.6	99.9	0.0781	0.4433	0.0984	0.5584
2/18/1995	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0910	0.5166
2/19/1995	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.0872	0.4950
2/20/1995	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0923	0.5237
2/21/1995	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.0960	0.5445
2/22/1995	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.0964	0.5472
2/23/1995	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0970	0.5504
2/24/1995	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.0976	0.5537
2/25/1995	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1026	0.5820
2/26/1995	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1083	0.6145
2/27/1995	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1119	0.6350
2/28/1995	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1128	0.6403
3/1/1995	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.1079	0.6120
3/2/1995	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.1029	0.5838
3/3/1995	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.0999	0.5666
3/4/1995	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.0995	0.5648
3/5/1995	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1035	0.5872
3/6/1995	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1074	0.6093
3/7/1995	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1093	0.6203
3/8/1995	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.1068	0.6058
3/9/1995	161	A	40.3	27.5	228.8	0.068	0.387	0.000246407	99.6	99.9	0.0553	0.3139	0.0934	0.5302
3/10/1995	163	A	40.8	27.8	231.6	0.068	0.387	0.000246407	99.6	99.9	0.0546	0.3100	0.0793	0.4498
3/11/1995	132	A	33.0	22.5	187.6	0.068	0.387	0.000246407	99.6	99.9	0.0675	0.3829	0.0683	0.3876
3/12/1995	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.0637	0.3616
3/13/1995	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0705	0.4001
3/14/1995	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.0783	0.4440
3/15/1995	101	A	25.3	17.3	143.5	0.068	0.387	0.000246407	99.6	99.9	0.0882	0.5004	0.0834	0.4734
3/16/1995	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0875	0.4966
3/17/1995	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0908	0.5154
3/18/1995	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.0944	0.5359
3/19/1995	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.0986	0.5594
3/20/1995	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1017	0.5769
3/21/1995	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.1019	0.5783
3/22/1995	101	A	25.3	17.3	143.5	0.068	0.387	0.000246407	99.6	99.9	0.0882	0.5004	0.0990	0.5615

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
3/23/1995	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.0975	0.5532
3/24/1995	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.0969	0.5497
3/25/1995	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1002	0.5684
3/26/1995	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1067	0.6052
3/27/1995	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1108	0.6289
3/28/1995	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1139	0.6461
3/29/1995	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1153	0.6542
3/30/1995	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1157	0.6563
3/31/1995	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1164	0.6607
4/1/1995	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1176	0.6674
4/2/1995	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1188	0.6740
4/3/1995	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1208	0.6854
4/4/1995	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1220	0.6924
4/5/1995	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1242	0.7048
4/6/1995	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1269	0.7199
4/7/1995	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1282	0.7275
4/8/1995	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1300	0.7378
4/9/1995	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1310	0.7433
4/10/1995	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1320	0.7489
4/11/1995	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1345	0.7632
4/12/1995	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1366	0.7748
4/13/1995	119	A	29.8	20.3	169.1	0.068	0.387	0.000246407	99.6	99.9	0.0748	0.4247	0.1220	0.6924
4/14/1995	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.1117	0.6340
4/15/1995	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1079	0.6120
4/16/1995	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1073	0.6090
4/17/1995	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1234	0.7003
4/18/1995	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1359	0.7710
4/19/1995	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1403	0.7961
4/20/1995	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1420	0.8055
4/21/1995	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1443	0.8187
4/22/1995	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1455	0.8255
4/23/1995	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1506	0.8546
4/24/1995	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1419	0.8049
4/25/1995	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1329	0.7543
4/26/1995	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1291	0.7323
4/27/1995	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1251	0.7097
4/28/1995	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1357	0.7698
4/29/1995	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1465	0.8315
4/30/1995	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1486	0.8435
5/1/1995	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1440	0.8168
5/2/1995	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.1307	0.7415
5/3/1995	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.1134	0.6437
5/4/1995	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1053	0.5973
5/5/1995	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0941	0.5338
5/6/1995	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0888	0.5038
5/7/1995	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.0917	0.5204
5/8/1995	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.0927	0.5262
5/9/1995	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1018	0.5777
5/10/1995	114	A	28.5	19.5	162.0	0.068	0.387	0.000246407	99.6	99.9	0.0781	0.4433	0.1021	0.5796
5/11/1995	135	A	33.8	23.1	191.8	0.068	0.387	0.000246407	99.6	99.9	0.0660	0.3743	0.0939	0.5328
5/12/1995	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0846	0.4799
5/13/1995	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0776	0.4404
5/14/1995	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.0837	0.4748
5/15/1995	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.0928	0.5264
5/16/1995	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1011	0.5734
5/17/1995	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1062	0.6024

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
5/18/1995	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.1065	0.6041
5/19/1995	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.1051	0.5962
5/20/1995	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.1032	0.5857
5/21/1995	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1039	0.5898
5/22/1995	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1090	0.6184
5/23/1995	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1170	0.6641
5/24/1995	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1255	0.7120
5/25/1995	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1317	0.7474
5/26/1995	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1326	0.7524
5/27/1995	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1331	0.7551
5/28/1995	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1347	0.7642
5/29/1995	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1352	0.7674
5/30/1995	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1388	0.7874
5/31/1995	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1438	0.8158
6/1/1995	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1482	0.8408
6/2/1995	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1533	0.8700
6/3/1995	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1600	0.9078
6/4/1995	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1570	0.8911
6/5/1995	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1550	0.8796
6/6/1995	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1510	0.8571
6/7/1995	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.1315	0.7463
6/8/1995	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1236	0.7011
6/9/1995	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1201	0.6813
6/10/1995	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1213	0.6884
6/11/1995	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1393	0.7904
6/12/1995	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1473	0.8356
6/13/1995	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.1355	0.7689
6/14/1995	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.1225	0.6951
6/15/1995	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1129	0.6409
6/16/1995	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1135	0.6440
6/17/1995	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1308	0.7420
6/18/1995	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1473	0.8356
6/19/1995	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1583	0.8985
6/20/1995	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1667	0.9457
6/21/1995	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1714	0.9728
6/22/1995	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1766	1.0020
6/23/1995	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1751	0.9933
6/24/1995	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1691	0.9598
6/25/1995	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1644	0.9327
6/26/1995	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1608	0.9124
6/27/1995	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1649	0.9354
6/28/1995	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1716	0.9740
6/29/1995	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1773	1.0062
6/30/1995	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1819	1.0320
7/1/1995	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1810	1.0271
7/2/1995	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1770	1.0041
7/3/1995	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1735	0.9846
7/4/1995	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1716	0.9737
7/5/1995	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1753	0.9948
7/6/1995	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1832	1.0397
7/7/1995	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1876	1.0645
7/8/1995	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1793	1.0173
7/9/1995	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1747	0.9914
7/10/1995	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1747	0.9914
7/11/1995	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1778	1.0090
7/12/1995	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.1925	1.0922

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
7/13/1995	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2040	1.1574
7/14/1995	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2127	1.2067
7/15/1995	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2234	1.2674
7/16/1995	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2352	1.3346
7/17/1995	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2380	1.3504
7/18/1995	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2411	1.3679
7/19/1995	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2427	1.3774
7/20/1995	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2466	1.3992
7/21/1995	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2452	1.3911
7/22/1995	141	A	35.3	24.1	200.3	0.068	0.387	0.000246407	99.6	99.9	0.0632	0.3584	0.2008	1.1393
7/23/1995	302	A	75.5	51.6	429.1	0.068	0.387	0.000246407	99.6	99.9	0.0295	0.1673	0.1463	0.8302
7/24/1995	203	A	50.8	34.7	288.4	0.068	0.387	0.000246407	99.6	99.9	0.0439	0.2490	0.0898	0.5095
7/25/1995	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.0603	0.3423
7/26/1995	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.0738	0.4190
7/27/1995	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.0992	0.5629
7/28/1995	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1247	0.7078
7/29/1995	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1376	0.7808
7/30/1995	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1474	0.8362
7/31/1995	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1566	0.8888
8/1/1995	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1647	0.9344
8/2/1995	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1762	0.9999
8/3/1995	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.1889	1.0720
8/4/1995	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1975	1.1208
8/5/1995	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.2048	1.1619
8/6/1995	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.2036	1.1555
8/7/1995	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2025	1.1489
8/8/1995	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2049	1.1625
8/9/1995	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2102	1.1927
8/10/1995	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2193	1.2444
8/11/1995	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2289	1.2987
8/12/1995	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2360	1.3394
8/13/1995	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2408	1.3664
8/14/1995	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2477	1.4055
8/15/1995	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2530	1.4356
8/16/1995	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2499	1.4181
8/17/1995	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2411	1.3680
8/18/1995	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2327	1.3203
8/19/1995	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2274	1.2902
8/20/1995	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2339	1.3272
8/21/1995	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2484	1.4093
8/22/1995	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2587	1.4682
8/23/1995	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2728	1.5478
8/24/1995	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2859	1.6225
8/25/1995	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2980	1.6909
8/26/1995	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3073	1.7437
8/27/1995	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3126	1.7738
8/28/1995	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3153	1.7893
8/29/1995	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.3100	1.7593
8/30/1995	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.3051	1.7311
8/31/1995	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3023	1.7156
9/1/1995	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3053	1.7323
9/2/1995	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3135	1.7791
9/3/1995	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3308	1.8769
9/4/1995	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3431	1.9466
9/5/1995	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3534	2.0051
9/6/1995	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3637	2.0636

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
9/7/1995	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3637	2.0636
9/8/1995	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3637	2.0636
9/9/1995	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3600	2.0425
9/10/1995	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3684	2.0904
9/11/1995	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.3907	2.2167
9/12/1995	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4129	2.3431
9/13/1995	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4299	2.4393
9/14/1995	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4347	2.4667
9/15/1995	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4347	2.4667
9/16/1995	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4246	2.4093
9/17/1995	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.3499	1.9856
9/18/1995	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.2792	1.5845
9/19/1995	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2236	1.2686
9/20/1995	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.1919	1.0892
9/21/1995	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2374	1.3469
9/22/1995	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2656	1.5073
9/23/1995	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2643	1.4996
9/24/1995	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2566	1.4557
9/25/1995	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2472	1.4029
9/26/1995	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2491	1.4136
9/27/1995	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2584	1.4664
9/28/1995	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2621	1.4870
9/29/1995	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2642	1.4990
9/30/1995	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2705	1.5350
10/1/1995	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2787	1.5815
10/2/1995	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2900	1.6456
10/3/1995	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3000	1.7020
10/4/1995	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2977	1.6893
10/5/1995	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.2624	1.4888
10/6/1995	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.2268	1.2871
10/7/1995	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2030	1.1518
10/8/1995	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.1953	1.1079
10/9/1995	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2306	1.3083
10/10/1995	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2661	1.5100
10/11/1995	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2847	1.6153
10/12/1995	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2947	1.6719
10/13/1995	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3023	1.7156
10/14/1995	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2998	1.7011
10/15/1995	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.2633	1.4941
10/16/1995	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2421	1.3737
10/17/1995	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2244	1.2734
10/18/1995	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2198	1.2471
10/19/1995	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2539	1.4405
10/20/1995	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2707	1.5362
10/21/1995	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.2501	1.4192
10/22/1995	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.2159	1.2249
10/23/1995	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1947	1.1045
10/24/1995	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.1874	1.0631
10/25/1995	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2097	1.1901
10/26/1995	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2399	1.3612
10/27/1995	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2568	1.4569
10/28/1995	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2552	1.4479
10/29/1995	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2590	1.4698
10/30/1995	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2654	1.5058
10/31/1995	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2654	1.5058
11/1/1995	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2786	1.5808

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
11/2/1995	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2730	1.5489
11/3/1995	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2597	1.4738
11/4/1995	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2524	1.4325
11/5/1995	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2524	1.4325
11/6/1995	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2624	1.4891
11/7/1995	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2640	1.4980
11/8/1995	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.2533	1.4373
11/9/1995	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2401	1.3623
11/10/1995	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2319	1.3157
11/11/1995	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2303	1.3067
11/12/1995	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.2156	1.2234
11/13/1995	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1975	1.1206
11/14/1995	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.1555	0.8823
11/15/1995	133	A	33.3	22.7	189.0	0.068	0.387	0.000246407	99.6	99.9	0.0670	0.3800	0.1136	0.6448
11/16/1995	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.1016	0.5763
11/17/1995	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.0916	0.5197
11/18/1995	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1048	0.5944
11/19/1995	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1239	0.7032
11/20/1995	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1383	0.7848
11/21/1995	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1449	0.8223
11/22/1995	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1485	0.8428
11/23/1995	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1517	0.8606
11/24/1995	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1536	0.8717
11/25/1995	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1556	0.8828
11/26/1995	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1570	0.8906
11/27/1995	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1584	0.8986
11/28/1995	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1584	0.8986
11/29/1995	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1564	0.8876
11/30/1995	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1538	0.8725
12/1/1995	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1530	0.8684
12/2/1995	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1537	0.8724
12/3/1995	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1579	0.8958
12/4/1995	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1620	0.9192
12/5/1995	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1635	0.9275
12/6/1995	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1635	0.9275
12/7/1995	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1600	0.9077
12/8/1995	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1558	0.8843
12/9/1995	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1494	0.8477
12/10/1995	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1434	0.8136
12/11/1995	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1440	0.8172
12/12/1995	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1467	0.8323
12/13/1995	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1516	0.8605
12/14/1995	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1584	0.8988
12/15/1995	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1591	0.9026
12/16/1995	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1536	0.8714
12/17/1995	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1452	0.8237
12/18/1995	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1395	0.7914
12/19/1995	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1301	0.7382
12/20/1995	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.1209	0.6858
12/21/1995	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1173	0.6658
12/22/1995	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1126	0.6391
12/23/1995	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1162	0.6592
12/24/1995	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1249	0.7087
12/25/1995	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1313	0.7451
12/26/1995	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1360	0.7718
12/27/1995	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1381	0.7838

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
12/28/1995	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1409	0.7994
12/29/1995	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1431	0.8122
12/30/1995	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1455	0.8254
12/31/1995	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1466	0.8319
1/1/1996	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1415	0.8028
1/2/1996	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1359	0.7711
1/3/1996	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.1244	0.7058
1/4/1996	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1147	0.6509
1/5/1996	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1134	0.6437
1/6/1996	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1153	0.6540
1/7/1996	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1165	0.6610
1/8/1996	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.1087	0.6167
1/9/1996	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.1002	0.5687
1/10/1996	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0928	0.5264
1/11/1996	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0896	0.5086
1/12/1996	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0912	0.5176
1/13/1996	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0923	0.5239
1/14/1996	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.0935	0.5307
1/15/1996	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0951	0.5399
1/16/1996	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0985	0.5588
1/17/1996	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0987	0.5601
1/18/1996	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0914	0.5186
1/19/1996	178	A	44.5	30.4	252.9	0.068	0.387	0.000246407	99.6	99.9	0.0500	0.2839	0.0786	0.4460
1/20/1996	220	A	55.0	37.6	312.6	0.068	0.387	0.000246407	99.6	99.9	0.0405	0.2297	0.0648	0.3676
1/21/1996	196	A	49.0	33.5	278.5	0.068	0.387	0.000246407	99.6	99.9	0.0454	0.2578	0.0532	0.3018
1/22/1996	162	A	40.5	27.7	230.2	0.068	0.387	0.000246407	99.6	99.9	0.0550	0.3120	0.0477	0.2709
1/23/1996	149	A	37.3	25.5	211.7	0.068	0.387	0.000246407	99.6	99.9	0.0598	0.3392	0.0502	0.2847
1/24/1996	146	A	36.5	24.9	207.5	0.068	0.387	0.000246407	99.6	99.9	0.0610	0.3461	0.0553	0.3138
1/25/1996	147	A	36.8	25.1	208.9	0.068	0.387	0.000246407	99.6	99.9	0.0606	0.3438	0.0591	0.3353
1/26/1996	140	A	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.0612	0.3475
1/27/1996	142	A	35.5	24.3	201.8	0.068	0.387	0.000246407	99.6	99.9	0.0627	0.3559	0.0620	0.3517
1/28/1996	162	A	40.5	27.7	230.2	0.068	0.387	0.000246407	99.6	99.9	0.0550	0.3120	0.0605	0.3432
1/29/1996	176	A	44.0	30.1	250.1	0.068	0.387	0.000246407	99.6	99.9	0.0506	0.2871	0.0580	0.3290
1/30/1996	161	A	40.3	27.5	228.8	0.068	0.387	0.000246407	99.6	99.9	0.0553	0.3139	0.0559	0.3172
1/31/1996	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0548	0.3108
2/1/1996	145	A	36.3	24.8	206.0	0.068	0.387	0.000246407	99.6	99.9	0.0614	0.3485	0.0564	0.3200
2/2/1996	145	A	36.3	24.8	206.0	0.068	0.387	0.000246407	99.6	99.9	0.0614	0.3485	0.0591	0.3353
2/3/1996	149	A	37.3	25.5	211.7	0.068	0.387	0.000246407	99.6	99.9	0.0598	0.3392	0.0602	0.3416
2/4/1996	146	A	36.5	24.9	207.5	0.068	0.387	0.000246407	99.6	99.9	0.0610	0.3461	0.0609	0.3456
2/5/1996	137	A	34.3	23.4	194.7	0.068	0.387	0.000246407	99.6	99.9	0.0650	0.3689	0.0618	0.3507
2/6/1996	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0638	0.3623
2/7/1996	129	A	32.3	22.0	183.3	0.068	0.387	0.000246407	99.6	99.9	0.0690	0.3918	0.0662	0.3754
2/8/1996	140	A	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.0668	0.3791
2/9/1996	162	A	40.5	27.7	230.2	0.068	0.387	0.000246407	99.6	99.9	0.0550	0.3120	0.0643	0.3649
2/10/1996	224	A	56.0	38.3	318.3	0.068	0.387	0.000246407	99.6	99.9	0.0398	0.2256	0.0568	0.3226
2/11/1996	243	A	60.8	41.5	345.3	0.068	0.387	0.000246407	99.6	99.9	0.0367	0.2080	0.0488	0.2766
2/12/1996	204	A	51.0	34.8	289.9	0.068	0.387	0.000246407	99.6	99.9	0.0437	0.2477	0.0438	0.2483
2/13/1996	188	A	47.0	32.1	267.1	0.068	0.387	0.000246407	99.6	99.9	0.0474	0.2688	0.0419	0.2375
2/14/1996	170	A	42.5	29.0	241.6	0.068	0.387	0.000246407	99.6	99.9	0.0524	0.2973	0.0450	0.2554
2/15/1996	164	A	41.0	28.0	233.0	0.068	0.387	0.000246407	99.6	99.9	0.0543	0.3082	0.0494	0.2805
2/16/1996	157	A	39.3	26.8	223.1	0.068	0.387	0.000246407	99.6	99.9	0.0567	0.3219	0.0527	0.2990
2/17/1996	152	A	38.0	26.0	216.0	0.068	0.387	0.000246407	99.6	99.9	0.0586	0.3325	0.0555	0.3150
2/18/1996	149	A	37.3	25.5	211.7	0.068	0.387	0.000246407	99.6	99.9	0.0598	0.3392	0.0574	0.3254
2/19/1996	143	A	35.8	24.4	203.2	0.068	0.387	0.000246407	99.6	99.9	0.0623	0.3534	0.0593	0.3367
2/20/1996	157	A	39.3	26.8	223.1	0.068	0.387	0.000246407	99.6	99.9	0.0567	0.3219	0.0593	0.3367
2/21/1996	172	A	43.0	29.4	244.4	0.068	0.387	0.000246407	99.6	99.9	0.0518	0.2938	0.0576	0.3271

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
2/22/1996	187	A	46.8	31.9	265.7	0.068	0.387	0.000246407	99.6	99.9	0.0476	0.2703	0.0546	0.3098
2/23/1996	190	A	47.5	32.5	270.0	0.068	0.387	0.000246407	99.6	99.9	0.0469	0.2660	0.0508	0.2880
2/24/1996	192	A	48.0	32.8	272.8	0.068	0.387	0.000246407	99.6	99.9	0.0464	0.2632	0.0482	0.2733
2/25/1996	174	A	43.5	29.7	247.2	0.068	0.387	0.000246407	99.6	99.9	0.0512	0.2904	0.0480	0.2725
2/26/1996	163	A	40.8	27.8	231.6	0.068	0.387	0.000246407	99.6	99.9	0.0546	0.3100	0.0498	0.2824
2/27/1996	157	A	39.3	26.8	223.1	0.068	0.387	0.000246407	99.6	99.9	0.0567	0.3219	0.0522	0.2964
2/28/1996	157	A	39.3	26.8	223.1	0.068	0.387	0.000246407	99.6	99.9	0.0567	0.3219	0.0548	0.3111
2/29/1996	145	A	36.3	24.8	206.0	0.068	0.387	0.000246407	99.6	99.9	0.0614	0.3485	0.0574	0.3256
3/1/1996	138	A	34.5	23.6	196.1	0.068	0.387	0.000246407	99.6	99.9	0.0645	0.3662	0.0599	0.3396
3/2/1996	142	A	35.5	24.3	201.8	0.068	0.387	0.000246407	99.6	99.9	0.0627	0.3559	0.0614	0.3481
3/3/1996	143	A	35.8	24.4	203.2	0.068	0.387	0.000246407	99.6	99.9	0.0623	0.3534	0.0627	0.3560
3/4/1996	132	A	33.0	22.5	187.6	0.068	0.387	0.000246407	99.6	99.9	0.0675	0.3829	0.0643	0.3646
3/5/1996	127	A	31.8	21.7	180.5	0.068	0.387	0.000246407	99.6	99.9	0.0701	0.3979	0.0657	0.3725
3/6/1996	134	A	33.5	22.9	190.4	0.068	0.387	0.000246407	99.6	99.9	0.0665	0.3771	0.0666	0.3778
3/7/1996	147	A	36.8	25.1	208.9	0.068	0.387	0.000246407	99.6	99.9	0.0606	0.3438	0.0662	0.3754
3/8/1996	164	A	41.0	28.0	233.0	0.068	0.387	0.000246407	99.6	99.9	0.0543	0.3082	0.0629	0.3568
3/9/1996	155	A	38.8	26.5	220.2	0.068	0.387	0.000246407	99.6	99.9	0.0575	0.3260	0.0597	0.3388
3/10/1996	142	A	35.5	24.3	201.8	0.068	0.387	0.000246407	99.6	99.9	0.0627	0.3559	0.0588	0.3335
3/11/1996	135	A	33.8	23.1	191.8	0.068	0.387	0.000246407	99.6	99.9	0.0660	0.3743	0.0601	0.3411
3/12/1996	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.0629	0.3570
3/13/1996	137	A	34.3	23.4	194.7	0.068	0.387	0.000246407	99.6	99.9	0.0650	0.3689	0.0648	0.3677
3/14/1996	132	A	33.0	22.5	187.6	0.068	0.387	0.000246407	99.6	99.9	0.0675	0.3829	0.0660	0.3744
3/15/1996	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0669	0.3795
3/16/1996	124	A	31.0	21.2	176.2	0.068	0.387	0.000246407	99.6	99.9	0.0718	0.4076	0.0685	0.3885
3/17/1996	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0711	0.4034
3/18/1996	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0734	0.4166
3/19/1996	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0752	0.4268
3/20/1996	126	A	31.5	21.5	179.0	0.068	0.387	0.000246407	99.6	99.9	0.0707	0.4011	0.0749	0.4252
3/21/1996	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.0745	0.4225
3/22/1996	114	A	28.5	19.5	162.0	0.068	0.387	0.000246407	99.6	99.9	0.0781	0.4433	0.0748	0.4244
3/23/1996	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0764	0.4336
3/24/1996	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.0812	0.4609
3/25/1996	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.0860	0.4881
3/26/1996	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0904	0.5132
3/27/1996	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.0938	0.5324
3/28/1996	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0936	0.5311
3/29/1996	165	A	41.3	28.2	234.4	0.068	0.387	0.000246407	99.6	99.9	0.0540	0.3063	0.0839	0.4761
3/30/1996	179	A	44.8	30.6	254.3	0.068	0.387	0.000246407	99.6	99.9	0.0498	0.2823	0.0724	0.4108
3/31/1996	165	A	41.3	28.2	234.4	0.068	0.387	0.000246407	99.6	99.9	0.0540	0.3063	0.0617	0.3501
4/1/1996	159	A	39.8	27.2	225.9	0.068	0.387	0.000246407	99.6	99.9	0.0560	0.3178	0.0534	0.3032
4/2/1996	200	A	50.0	34.2	284.2	0.068	0.387	0.000246407	99.6	99.9	0.0445	0.2527	0.0511	0.2898
4/3/1996	209	A	52.3	35.7	297.0	0.068	0.387	0.000246407	99.6	99.9	0.0426	0.2418	0.0493	0.2797
4/4/1996	177	A	44.3	30.2	251.5	0.068	0.387	0.000246407	99.6	99.9	0.0503	0.2855	0.0484	0.2745
4/5/1996	159	A	39.8	27.2	225.9	0.068	0.387	0.000246407	99.6	99.9	0.0560	0.3178	0.0484	0.2745
4/6/1996	149	A	37.3	25.5	211.7	0.068	0.387	0.000246407	99.6	99.9	0.0598	0.3392	0.0522	0.2961
4/7/1996	155	A	38.8	26.5	220.2	0.068	0.387	0.000246407	99.6	99.9	0.0575	0.3260	0.0559	0.3171
4/8/1996	155	A	38.8	26.5	220.2	0.068	0.387	0.000246407	99.6	99.9	0.0575	0.3260	0.0577	0.3273
4/9/1996	166	A	41.5	28.4	235.9	0.068	0.387	0.000246407	99.6	99.9	0.0537	0.3044	0.0571	0.3239
4/10/1996	204	A	51.0	34.8	289.9	0.068	0.387	0.000246407	99.6	99.9	0.0437	0.2477	0.0531	0.3011
4/11/1996	233	A	58.3	39.8	331.1	0.068	0.387	0.000246407	99.6	99.9	0.0382	0.2169	0.0482	0.2738
4/12/1996	210	A	52.5	35.9	298.4	0.068	0.387	0.000246407	99.6	99.9	0.0424	0.2407	0.0445	0.2524
4/13/1996	181	A	45.3	30.9	257.2	0.068	0.387	0.000246407	99.6	99.9	0.0492	0.2792	0.0434	0.2461
4/14/1996	165	A	41.3	28.2	234.4	0.068	0.387	0.000246407	99.6	99.9	0.0540	0.3063	0.0460	0.2608
4/15/1996	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0510	0.2891
4/16/1996	204	A	51.0	34.8	289.9	0.068	0.387	0.000246407	99.6	99.9	0.0437	0.2477	0.0513	0.2909
4/17/1996	278	A	69.5	47.5	395.0	0.068	0.387	0.000246407	99.6	99.9	0.0320	0.1818	0.0470	0.2665

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
4/18/1996	235	A	58.8	40.1	333.9	0.068	0.387	0.000246407	99.6	99.9	0.0379	0.2151	0.0430	0.2437
4/19/1996	192	A	48.0	32.8	272.8	0.068	0.387	0.000246407	99.6	99.9	0.0464	0.2632	0.0400	0.2269
4/20/1996	174	A	43.5	29.7	247.2	0.068	0.387	0.000246407	99.6	99.9	0.0512	0.2904	0.0419	0.2376
4/21/1996	164	A	41.0	28.0	233.0	0.068	0.387	0.000246407	99.6	99.9	0.0543	0.3082	0.0474	0.2692
4/22/1996	156	A	39.0	26.6	221.7	0.068	0.387	0.000246407	99.6	99.9	0.0571	0.3240	0.0522	0.2964
4/23/1996	150	A	37.5	25.6	213.1	0.068	0.387	0.000246407	99.6	99.9	0.0594	0.3369	0.0555	0.3149
4/24/1996	146	A	36.5	24.9	207.5	0.068	0.387	0.000246407	99.6	99.9	0.0610	0.3461	0.0579	0.3288
4/25/1996	135	A	33.8	23.1	191.8	0.068	0.387	0.000246407	99.6	99.9	0.0660	0.3743	0.0609	0.3453
4/26/1996	133	A	33.3	22.7	189.0	0.068	0.387	0.000246407	99.6	99.9	0.0670	0.3800	0.0633	0.3593
4/27/1996	131	A	32.8	22.4	186.1	0.068	0.387	0.000246407	99.6	99.9	0.0680	0.3858	0.0655	0.3716
4/28/1996	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.0693	0.3930
4/29/1996	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0725	0.4112
4/30/1996	119	A	29.8	20.3	169.1	0.068	0.387	0.000246407	99.6	99.9	0.0748	0.4247	0.0744	0.4224
5/1/1996	126	A	31.5	21.5	179.0	0.068	0.387	0.000246407	99.6	99.9	0.0707	0.4011	0.0751	0.4262
5/2/1996	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.0754	0.4281
5/3/1996	112	A	28.0	19.1	159.1	0.068	0.387	0.000246407	99.6	99.9	0.0795	0.4512	0.0756	0.4291
5/4/1996	114	A	28.5	19.5	162.0	0.068	0.387	0.000246407	99.6	99.9	0.0781	0.4433	0.0764	0.4338
5/5/1996	159	A	39.8	27.2	225.9	0.068	0.387	0.000246407	99.6	99.9	0.0560	0.3178	0.0728	0.4130
5/6/1996	175	A	43.8	29.9	248.7	0.068	0.387	0.000246407	99.6	99.9	0.0509	0.2888	0.0661	0.3753
5/7/1996	166	A	41.5	28.4	235.9	0.068	0.387	0.000246407	99.6	99.9	0.0537	0.3044	0.0597	0.3386
5/8/1996	174	A	43.5	29.7	247.2	0.068	0.387	0.000246407	99.6	99.9	0.0512	0.2904	0.0529	0.3004
5/9/1996	200	A	50.0	34.2	284.2	0.068	0.387	0.000246407	99.6	99.9	0.0445	0.2527	0.0501	0.2841
5/10/1996	221	A	55.3	37.8	314.0	0.068	0.387	0.000246407	99.6	99.9	0.0403	0.2287	0.0474	0.2691
5/11/1996	208	A	52.0	35.5	295.5	0.068	0.387	0.000246407	99.6	99.9	0.0428	0.2430	0.0447	0.2537
5/12/1996	212	A	53.0	36.2	301.2	0.068	0.387	0.000246407	99.6	99.9	0.0420	0.2384	0.0424	0.2407
5/13/1996	222	A	55.5	37.9	315.4	0.068	0.387	0.000246407	99.6	99.9	0.0401	0.2276	0.0413	0.2344
5/14/1996	183	A	45.8	31.3	260.0	0.068	0.387	0.000246407	99.6	99.9	0.0487	0.2762	0.0434	0.2463
5/15/1996	160	A	40.0	27.3	227.3	0.068	0.387	0.000246407	99.6	99.9	0.0557	0.3159	0.0466	0.2645
5/16/1996	163	A	40.8	27.8	231.6	0.068	0.387	0.000246407	99.6	99.9	0.0546	0.3100	0.0498	0.2824
5/17/1996	166	A	41.5	28.4	235.9	0.068	0.387	0.000246407	99.6	99.9	0.0537	0.3044	0.0532	0.3016
5/18/1996	164	A	41.0	28.0	233.0	0.068	0.387	0.000246407	99.6	99.9	0.0543	0.3082	0.0546	0.3096
5/19/1996	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0552	0.3132
5/20/1996	142	A	35.5	24.3	201.8	0.068	0.387	0.000246407	99.6	99.9	0.0627	0.3559	0.0572	0.3247
5/21/1996	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0609	0.3458
5/22/1996	144	A	36.0	24.6	204.6	0.068	0.387	0.000246407	99.6	99.9	0.0619	0.3510	0.0628	0.3565
5/23/1996	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.0646	0.3668
5/24/1996	120	A	30.0	20.5	170.5	0.068	0.387	0.000246407	99.6	99.9	0.0742	0.4211	0.0675	0.3831
5/25/1996	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0701	0.3977
5/26/1996	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0754	0.4281
5/27/1996	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0797	0.4522
5/28/1996	119	A	29.8	20.3	169.1	0.068	0.387	0.000246407	99.6	99.9	0.0748	0.4247	0.0798	0.4530
5/29/1996	127	A	31.8	21.7	180.5	0.068	0.387	0.000246407	99.6	99.9	0.0701	0.3979	0.0777	0.4407
5/30/1996	127	A	31.8	21.7	180.5	0.068	0.387	0.000246407	99.6	99.9	0.0701	0.3979	0.0744	0.4221
5/31/1996	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.0731	0.4150
6/1/1996	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0750	0.4258
6/2/1996	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.0807	0.4579
6/3/1996	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0840	0.4765
6/4/1996	125	A	31.3	21.4	177.6	0.068	0.387	0.000246407	99.6	99.9	0.0713	0.4043	0.0824	0.4677
6/5/1996	114	A	28.5	19.5	162.0	0.068	0.387	0.000246407	99.6	99.9	0.0781	0.4433	0.0813	0.4616
6/6/1996	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0790	0.4481
6/7/1996	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0816	0.4630
6/8/1996	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0891	0.5055
6/9/1996	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.0967	0.5487
6/10/1996	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1030	0.5847
6/11/1996	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.1052	0.5969
6/12/1996	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.1055	0.5986

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
6/13/1996	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.1000	0.5672
6/14/1996	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1006	0.5710
6/15/1996	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1088	0.6172
6/16/1996	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1209	0.6862
6/17/1996	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1364	0.7741
6/18/1996	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1428	0.8105
6/19/1996	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1380	0.7832
6/20/1996	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1281	0.7270
6/21/1996	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1203	0.6826
6/22/1996	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1174	0.6662
6/23/1996	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1233	0.6995
6/24/1996	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1326	0.7522
6/25/1996	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1365	0.7745
6/26/1996	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1410	0.8003
6/27/1996	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1440	0.8171
6/28/1996	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1481	0.8405
6/29/1996	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1585	0.8996
6/30/1996	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1597	0.9064
7/1/1996	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1495	0.8482
7/2/1996	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1345	0.7629
7/3/1996	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1205	0.6836
7/4/1996	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1211	0.6872
7/5/1996	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1356	0.7696
7/6/1996	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1540	0.8737
7/7/1996	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1707	0.9684
7/8/1996	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1813	1.0289
7/9/1996	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1839	1.0432
7/10/1996	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1867	1.0594
7/11/1996	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1898	1.0769
7/12/1996	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1819	1.0320
7/13/1996	149	A	37.3	25.5	211.7	0.068	0.387	0.000246407	99.6	99.9	0.0598	0.3392	0.1523	0.8641
7/14/1996	162	A	40.5	27.7	230.2	0.068	0.387	0.000246407	99.6	99.9	0.0550	0.3120	0.1187	0.6733
7/15/1996	109	A	27.3	18.6	154.9	0.068	0.387	0.000246407	99.6	99.9	0.0817	0.4636	0.0896	0.5084
7/16/1996	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.0685	0.3886
7/17/1996	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0754	0.4276
7/18/1996	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.0898	0.5096
7/19/1996	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.0983	0.5577
7/20/1996	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1078	0.6120
7/21/1996	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1188	0.6739
7/22/1996	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1243	0.7054
7/23/1996	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1291	0.7327
7/24/1996	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1350	0.7661
7/25/1996	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1394	0.7908
7/26/1996	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.1281	0.7270
7/27/1996	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.1186	0.6729
7/28/1996	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1139	0.6463
7/29/1996	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1110	0.6301
7/30/1996	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1233	0.6998
7/31/1996	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1319	0.7483
8/1/1996	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1296	0.7355
8/2/1996	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1219	0.6915
8/3/1996	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1180	0.6696
8/4/1996	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1175	0.6669
8/5/1996	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1240	0.7034
8/6/1996	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1346	0.7635
8/7/1996	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1427	0.8097

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
8/8/1996	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1475	0.8372
8/9/1996	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1538	0.8725
8/10/1996	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1544	0.8761
8/11/1996	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1496	0.8488
8/12/1996	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1502	0.8524
8/13/1996	180	A	45.0	30.7	255.8	0.068	0.387	0.000246407	99.6	99.9	0.0495	0.2808	0.1221	0.6928
8/14/1996	217	A	54.3	37.1	308.3	0.068	0.387	0.000246407	99.6	99.9	0.0410	0.2329	0.0946	0.5369
8/15/1996	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0749	0.4251
8/16/1996	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0582	0.3302
8/17/1996	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0698	0.3958
8/18/1996	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.0863	0.4898
8/19/1996	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1007	0.5713
8/20/1996	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1115	0.6326
8/21/1996	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1194	0.6773
8/22/1996	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1243	0.7056
8/23/1996	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1268	0.7194
8/24/1996	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1272	0.7220
8/25/1996	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1314	0.7453
8/26/1996	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1373	0.7790
8/27/1996	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1430	0.8116
8/28/1996	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1467	0.8323
8/29/1996	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1479	0.8391
8/30/1996	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1499	0.8505
8/31/1996	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1525	0.8656
9/1/1996	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1579	0.8958
9/2/1996	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1653	0.9379
9/3/1996	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1719	0.9755
9/4/1996	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1742	0.9883
9/5/1996	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1766	1.0020
9/6/1996	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1749	0.9923
9/7/1996	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1759	0.9979
9/8/1996	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1784	1.0122
9/9/1996	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1831	1.0391
9/10/1996	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1877	1.0650
9/11/1996	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1689	0.9581
9/12/1996	154	A	38.5	26.3	218.8	0.068	0.387	0.000246407	99.6	99.9	0.0578	0.3282	0.1388	0.7875
9/13/1996	165	A	41.3	28.2	234.4	0.068	0.387	0.000246407	99.6	99.9	0.0540	0.3063	0.1039	0.5894
9/14/1996	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0781	0.4433
9/15/1996	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.0809	0.4592
9/16/1996	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.0978	0.5551
9/17/1996	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.1027	0.5830
9/18/1996	138	A	34.5	23.6	196.1	0.068	0.387	0.000246407	99.6	99.9	0.0645	0.3662	0.0973	0.5519
9/19/1996	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0865	0.4909
9/20/1996	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.0810	0.4599
9/21/1996	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.0912	0.5174
9/22/1996	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1012	0.5745
9/23/1996	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.1051	0.5964
9/24/1996	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.1051	0.5964
9/25/1996	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1044	0.5923
9/26/1996	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1079	0.6121
9/27/1996	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1143	0.6488
9/28/1996	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1203	0.6824
9/29/1996	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1189	0.6748
9/30/1996	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.1137	0.6452
10/1/1996	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1096	0.6220
10/2/1996	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1067	0.6055

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
10/3/1996	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1103	0.6259
10/4/1996	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1176	0.6675
10/5/1996	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1236	0.7011
10/6/1996	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1279	0.7256
10/7/1996	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1326	0.7523
10/8/1996	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.1218	0.6910
10/9/1996	171	A	42.8	29.2	243.0	0.068	0.387	0.000246407	99.6	99.9	0.0521	0.2955	0.1021	0.5791
10/10/1996	200	A	50.0	34.2	284.2	0.068	0.387	0.000246407	99.6	99.9	0.0445	0.2527	0.0800	0.4537
10/11/1996	161	A	40.3	27.5	228.8	0.068	0.387	0.000246407	99.6	99.9	0.0553	0.3139	0.0590	0.3347
10/12/1996	135	A	33.8	23.1	191.8	0.068	0.387	0.000246407	99.6	99.9	0.0660	0.3743	0.0545	0.3091
10/13/1996	112	A	28.0	19.1	159.1	0.068	0.387	0.000246407	99.6	99.9	0.0795	0.4512	0.0613	0.3480
10/14/1996	101	A	25.3	17.3	143.5	0.068	0.387	0.000246407	99.6	99.9	0.0882	0.5004	0.0722	0.4100
10/15/1996	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.0816	0.4631
10/16/1996	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.0896	0.5083
10/17/1996	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0950	0.5391
10/18/1996	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.0977	0.5544
10/19/1996	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.0909	0.5157
10/20/1996	165	A	41.3	28.2	234.4	0.068	0.387	0.000246407	99.6	99.9	0.0540	0.3063	0.0799	0.4534
10/21/1996	163	A	40.8	27.8	231.6	0.068	0.387	0.000246407	99.6	99.9	0.0546	0.3100	0.0683	0.3874
10/22/1996	142	A	35.5	24.3	201.8	0.068	0.387	0.000246407	99.6	99.9	0.0627	0.3559	0.0592	0.3360
10/23/1996	126	A	31.5	21.5	179.0	0.068	0.387	0.000246407	99.6	99.9	0.0707	0.4011	0.0605	0.3433
10/24/1996	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0671	0.3806
10/25/1996	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0742	0.4211
10/26/1996	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0804	0.4560
10/27/1996	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0850	0.4821
10/28/1996	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0876	0.4972
10/29/1996	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0895	0.5081
10/30/1996	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0911	0.5172
10/31/1996	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.0939	0.5328
11/1/1996	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.0971	0.5508
11/2/1996	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.0994	0.5638
11/3/1996	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.1015	0.5760
11/4/1996	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1027	0.5827
11/5/1996	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0998	0.5661
11/6/1996	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.0995	0.5645
11/7/1996	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1001	0.5679
11/8/1996	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0992	0.5628
11/9/1996	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0997	0.5656
11/10/1996	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.1000	0.5672
11/11/1996	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1009	0.5726
11/12/1996	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1042	0.5910
11/13/1996	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1096	0.6221
11/14/1996	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1135	0.6442
11/15/1996	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1157	0.6564
11/16/1996	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1172	0.6651
11/17/1996	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1184	0.6718
11/18/1996	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1196	0.6784
11/19/1996	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1196	0.6784
11/20/1996	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1188	0.6739
11/21/1996	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1192	0.6763
11/22/1996	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1200	0.6810
11/23/1996	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1225	0.6953
11/24/1996	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1250	0.7095
11/25/1996	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1264	0.7169
11/26/1996	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1226	0.6955
11/27/1996	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1173	0.6655

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
11/28/1996	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1148	0.6512
11/29/1996	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1143	0.6487
11/30/1996	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1199	0.6804
12/1/1996	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1239	0.7031
12/2/1996	101	A	25.3	17.3	143.5	0.068	0.387	0.000246407	99.6	99.9	0.0882	0.5004	0.1167	0.6619
12/3/1996	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.1071	0.6078
12/4/1996	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.0988	0.5609
12/5/1996	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.0952	0.5400
12/6/1996	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0937	0.5319
12/7/1996	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.0903	0.5125
12/8/1996	154	A	38.5	26.3	218.8	0.068	0.387	0.000246407	99.6	99.9	0.0578	0.3282	0.0803	0.4557
12/9/1996	166	A	41.5	28.4	235.9	0.068	0.387	0.000246407	99.6	99.9	0.0537	0.3044	0.0669	0.3796
12/10/1996	140	A	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.0622	0.3528
12/11/1996	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0620	0.3520
12/12/1996	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0673	0.3817
12/13/1996	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0721	0.4092
12/14/1996	273	A	68.3	46.6	387.9	0.068	0.387	0.000246407	99.6	99.9	0.0326	0.1851	0.0644	0.3652
12/15/1996	618	A	154.6	105.6	878.1	0.068	0.387	0.000246407	99.6	99.9	0.0144	0.0818	0.0497	0.2821
12/16/1996	426	A	106.5	72.8	605.3	0.068	0.387	0.000246407	99.6	99.9	0.0209	0.1186	0.0352	0.1999
12/17/1996	302	A	75.5	51.6	429.1	0.068	0.387	0.000246407	99.6	99.9	0.0295	0.1673	0.0244	0.1382
12/18/1996	253	A	63.3	43.2	359.5	0.068	0.387	0.000246407	99.6	99.9	0.0352	0.1998	0.0250	0.1419
12/19/1996	255	A	63.8	43.6	362.3	0.068	0.387	0.000246407	99.6	99.9	0.0349	0.1982	0.0301	0.1710
12/20/1996	302	A	75.5	51.6	429.1	0.068	0.387	0.000246407	99.6	99.9	0.0295	0.1673	0.0323	0.1832
12/21/1996	273	A	68.3	46.6	387.9	0.068	0.387	0.000246407	99.6	99.9	0.0326	0.1851	0.0331	0.1876
12/22/1996	218	A	54.5	37.2	309.8	0.068	0.387	0.000246407	99.6	99.9	0.0409	0.2318	0.0345	0.1956
12/23/1996	192	A	48.0	32.8	272.8	0.068	0.387	0.000246407	99.6	99.9	0.0464	0.2632	0.0373	0.2119
12/24/1996	192	A	48.0	32.8	272.8	0.068	0.387	0.000246407	99.6	99.9	0.0464	0.2632	0.0416	0.2358
12/25/1996	198	A	49.5	33.8	281.3	0.068	0.387	0.000246407	99.6	99.9	0.0450	0.2552	0.0447	0.2534
12/26/1996	195	A	48.8	33.3	277.1	0.068	0.387	0.000246407	99.6	99.9	0.0457	0.2592	0.0459	0.2602
12/27/1996	200	A	50.0	34.2	284.2	0.068	0.387	0.000246407	99.6	99.9	0.0445	0.2527	0.0454	0.2576
12/28/1996	201	A	50.3	34.3	285.6	0.068	0.387	0.000246407	99.6	99.9	0.0443	0.2514	0.0449	0.2546
12/29/1996	194	A	48.5	33.1	275.7	0.068	0.387	0.000246407	99.6	99.9	0.0459	0.2605	0.0451	0.2559
12/30/1996	185	A	46.3	31.6	262.9	0.068	0.387	0.000246407	99.6	99.9	0.0481	0.2732	0.0457	0.2594
12/31/1996	176	A	44.0	30.1	250.1	0.068	0.387	0.000246407	99.6	99.9	0.0506	0.2871	0.0472	0.2681
1/1/1997	169	A	42.3	28.9	240.1	0.068	0.387	0.000246407	99.6	99.9	0.0527	0.2990	0.0493	0.2800
1/2/1997	163	A	40.8	27.8	231.6	0.068	0.387	0.000246407	99.6	99.9	0.0546	0.3100	0.0515	0.2923
1/3/1997	161	A	40.3	27.5	228.8	0.068	0.387	0.000246407	99.6	99.9	0.0553	0.3139	0.0533	0.3025
1/4/1997	156	A	39.0	26.6	221.7	0.068	0.387	0.000246407	99.6	99.9	0.0571	0.3240	0.0549	0.3117
1/5/1997	154	A	38.5	26.3	218.8	0.068	0.387	0.000246407	99.6	99.9	0.0578	0.3282	0.0562	0.3190
1/6/1997	152	A	38.0	26.0	216.0	0.068	0.387	0.000246407	99.6	99.9	0.0586	0.3325	0.0572	0.3246
1/7/1997	145	A	36.3	24.8	206.0	0.068	0.387	0.000246407	99.6	99.9	0.0614	0.3485	0.0587	0.3333
1/8/1997	140	A	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.0604	0.3425
1/9/1997	139	A	34.8	23.7	197.5	0.068	0.387	0.000246407	99.6	99.9	0.0641	0.3636	0.0619	0.3514
1/10/1997	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0618	0.3508
1/11/1997	152	A	38.0	26.0	216.0	0.068	0.387	0.000246407	99.6	99.9	0.0586	0.3325	0.0611	0.3468
1/12/1997	141	A	35.3	24.1	200.3	0.068	0.387	0.000246407	99.6	99.9	0.0632	0.3584	0.0610	0.3462
1/13/1997	129	A	32.3	22.0	183.3	0.068	0.387	0.000246407	99.6	99.9	0.0690	0.3918	0.0623	0.3532
1/14/1997	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.0661	0.3751
1/15/1997	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0703	0.3990
1/16/1997	143	A	35.8	24.4	203.2	0.068	0.387	0.000246407	99.6	99.9	0.0623	0.3534	0.0701	0.3978
1/17/1997	154	A	38.5	26.3	218.8	0.068	0.387	0.000246407	99.6	99.9	0.0578	0.3282	0.0673	0.3819
1/18/1997	138	A	34.5	23.6	196.1	0.068	0.387	0.000246407	99.6	99.9	0.0645	0.3662	0.0650	0.3690
1/19/1997	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.0646	0.3664
1/20/1997	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0687	0.3898
1/21/1997	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0739	0.4196
1/22/1997	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.0772	0.4379

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
1/23/1997	129	A	32.3	22.0	183.3	0.068	0.387	0.000246407	99.6	99.9	0.0690	0.3918	0.0760	0.4314
1/24/1997	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.0747	0.4240
1/25/1997	132	A	33.0	22.5	187.6	0.068	0.387	0.000246407	99.6	99.9	0.0675	0.3829	0.0719	0.4079
1/26/1997	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0697	0.3953
1/27/1997	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0716	0.4062
1/28/1997	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.0696	0.3947
1/29/1997	164	A	41.0	28.0	233.0	0.068	0.387	0.000246407	99.6	99.9	0.0543	0.3082	0.0663	0.3760
1/30/1997	157	A	39.3	26.8	223.1	0.068	0.387	0.000246407	99.6	99.9	0.0567	0.3219	0.0633	0.3593
1/31/1997	146	A	36.5	24.9	207.5	0.068	0.387	0.000246407	99.6	99.9	0.0610	0.3461	0.0594	0.3369
2/1/1997	143	A	35.8	24.4	203.2	0.068	0.387	0.000246407	99.6	99.9	0.0623	0.3534	0.0586	0.3324
2/2/1997	138	A	34.5	23.6	196.1	0.068	0.387	0.000246407	99.6	99.9	0.0645	0.3662	0.0611	0.3469
2/3/1997	131	A	32.8	22.4	186.1	0.068	0.387	0.000246407	99.6	99.9	0.0680	0.3858	0.0640	0.3629
2/4/1997	124	A	31.0	21.2	176.2	0.068	0.387	0.000246407	99.6	99.9	0.0718	0.4076	0.0667	0.3782
2/5/1997	144	A	36.0	24.6	204.6	0.068	0.387	0.000246407	99.6	99.9	0.0619	0.3510	0.0666	0.3776
2/6/1997	155	A	38.8	26.5	220.2	0.068	0.387	0.000246407	99.6	99.9	0.0575	0.3260	0.0648	0.3676
2/7/1997	150	A	37.5	25.6	213.1	0.068	0.387	0.000246407	99.6	99.9	0.0594	0.3369	0.0626	0.3554
2/8/1997	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0592	0.3361
2/9/1997	166	A	41.5	28.4	235.9	0.068	0.387	0.000246407	99.6	99.9	0.0537	0.3044	0.0572	0.3244
2/10/1997	164	A	41.0	28.0	233.0	0.068	0.387	0.000246407	99.6	99.9	0.0543	0.3082	0.0564	0.3200
2/11/1997	156	A	39.0	26.6	221.7	0.068	0.387	0.000246407	99.6	99.9	0.0571	0.3240	0.0558	0.3167
2/12/1997	147	A	36.8	25.1	208.9	0.068	0.387	0.000246407	99.6	99.9	0.0606	0.3438	0.0564	0.3201
2/13/1997	141	A	35.3	24.1	200.3	0.068	0.387	0.000246407	99.6	99.9	0.0632	0.3584	0.0588	0.3336
2/14/1997	162	A	40.5	27.7	230.2	0.068	0.387	0.000246407	99.6	99.9	0.0550	0.3120	0.0590	0.3345
2/15/1997	234	A	58.5	40.0	332.5	0.068	0.387	0.000246407	99.6	99.9	0.0381	0.2160	0.0542	0.3075
2/16/1997	276	A	69.0	47.1	392.2	0.068	0.387	0.000246407	99.6	99.9	0.0323	0.1831	0.0471	0.2674
2/17/1997	227	A	56.8	38.8	322.5	0.068	0.387	0.000246407	99.6	99.9	0.0392	0.2226	0.0411	0.2334
2/18/1997	193	A	48.3	33.0	274.2	0.068	0.387	0.000246407	99.6	99.9	0.0461	0.2619	0.0389	0.2209
2/19/1997	178	A	44.5	30.4	252.9	0.068	0.387	0.000246407	99.6	99.9	0.0500	0.2839	0.0419	0.2379
2/20/1997	169	A	42.3	28.9	240.1	0.068	0.387	0.000246407	99.6	99.9	0.0527	0.2990	0.0470	0.2669
2/21/1997	162	A	40.5	27.7	230.2	0.068	0.387	0.000246407	99.6	99.9	0.0550	0.3120	0.0510	0.2892
2/22/1997	161	A	40.3	27.5	228.8	0.068	0.387	0.000246407	99.6	99.9	0.0553	0.3139	0.0533	0.3022
2/23/1997	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0553	0.3138
2/24/1997	144	A	36.0	24.6	204.6	0.068	0.387	0.000246407	99.6	99.9	0.0619	0.3510	0.0576	0.3268
2/25/1997	137	A	34.3	23.4	194.7	0.068	0.387	0.000246407	99.6	99.9	0.0650	0.3689	0.0601	0.3410
2/26/1997	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.0626	0.3554
2/27/1997	149	A	37.3	25.5	211.7	0.068	0.387	0.000246407	99.6	99.9	0.0598	0.3392	0.0630	0.3577
2/28/1997	145	A	36.3	24.8	206.0	0.068	0.387	0.000246407	99.6	99.9	0.0614	0.3485	0.0629	0.3570
3/1/1997	141	A	35.3	24.1	200.3	0.068	0.387	0.000246407	99.6	99.9	0.0632	0.3584	0.0625	0.3544
3/2/1997	141	A	35.3	24.1	200.3	0.068	0.387	0.000246407	99.6	99.9	0.0632	0.3584	0.0619	0.3511
3/3/1997	144	A	36.0	24.6	204.6	0.068	0.387	0.000246407	99.6	99.9	0.0619	0.3510	0.0624	0.3541
3/4/1997	157	A	39.3	26.8	223.1	0.068	0.387	0.000246407	99.6	99.9	0.0567	0.3219	0.0612	0.3474
3/5/1997	156	A	39.0	26.6	221.7	0.068	0.387	0.000246407	99.6	99.9	0.0571	0.3240	0.0597	0.3388
3/6/1997	179	A	44.8	30.6	254.3	0.068	0.387	0.000246407	99.6	99.9	0.0498	0.2823	0.0564	0.3198
3/7/1997	196	A	49.0	33.5	278.5	0.068	0.387	0.000246407	99.6	99.9	0.0454	0.2578	0.0523	0.2965
3/8/1997	164	A	41.0	28.0	233.0	0.068	0.387	0.000246407	99.6	99.9	0.0543	0.3082	0.0516	0.2931
3/9/1997	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0524	0.2974
3/10/1997	150	A	37.5	25.6	213.1	0.068	0.387	0.000246407	99.6	99.9	0.0594	0.3369	0.0548	0.3111
3/11/1997	149	A	37.3	25.5	211.7	0.068	0.387	0.000246407	99.6	99.9	0.0598	0.3392	0.0584	0.3314
3/12/1997	145	A	36.3	24.8	206.0	0.068	0.387	0.000246407	99.6	99.9	0.0614	0.3485	0.0602	0.3415
3/13/1997	134	A	33.5	22.9	190.4	0.068	0.387	0.000246407	99.6	99.9	0.0665	0.3771	0.0618	0.3504
3/14/1997	138	A	34.5	23.6	196.1	0.068	0.387	0.000246407	99.6	99.9	0.0645	0.3662	0.0631	0.3578
3/15/1997	167	A	41.8	28.5	237.3	0.068	0.387	0.000246407	99.6	99.9	0.0533	0.3026	0.0614	0.3486
3/16/1997	160	A	40.0	27.3	227.3	0.068	0.387	0.000246407	99.6	99.9	0.0557	0.3159	0.0600	0.3405
3/17/1997	143	A	35.8	24.4	203.2	0.068	0.387	0.000246407	99.6	99.9	0.0623	0.3534	0.0590	0.3345
3/18/1997	137	A	34.3	23.4	194.7	0.068	0.387	0.000246407	99.6	99.9	0.0650	0.3689	0.0591	0.3352
3/19/1997	144	A	36.0	24.6	204.6	0.068	0.387	0.000246407	99.6	99.9	0.0619	0.3510	0.0612	0.3473

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
3/20/1997	154	A	38.5	26.3	218.8	0.068	0.387	0.000246407	99.6	99.9	0.0578	0.3282	0.0617	0.3504
3/21/1997	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0607	0.3446
3/22/1997	146	A	36.5	24.9	207.5	0.068	0.387	0.000246407	99.6	99.9	0.0610	0.3461	0.0597	0.3389
3/23/1997	133	A	33.3	22.7	189.0	0.068	0.387	0.000246407	99.6	99.9	0.0670	0.3800	0.0610	0.3461
3/24/1997	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0648	0.3677
3/25/1997	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.0696	0.3950
3/26/1997	143	A	35.8	24.4	203.2	0.068	0.387	0.000246407	99.6	99.9	0.0623	0.3534	0.0699	0.3968
3/27/1997	160	A	40.0	27.3	227.3	0.068	0.387	0.000246407	99.6	99.9	0.0557	0.3159	0.0671	0.3807
3/28/1997	149	A	37.3	25.5	211.7	0.068	0.387	0.000246407	99.6	99.9	0.0598	0.3392	0.0638	0.3620
3/29/1997	144	A	36.0	24.6	204.6	0.068	0.387	0.000246407	99.6	99.9	0.0619	0.3510	0.0599	0.3398
3/30/1997	158	A	39.5	27.0	224.5	0.068	0.387	0.000246407	99.6	99.9	0.0564	0.3199	0.0584	0.3315
3/31/1997	173	A	43.3	29.6	245.8	0.068	0.387	0.000246407	99.6	99.9	0.0515	0.2921	0.0574	0.3255
4/1/1997	180	A	45.0	30.7	255.8	0.068	0.387	0.000246407	99.6	99.9	0.0495	0.2808	0.0548	0.3109
4/2/1997	168	A	42.0	28.7	238.7	0.068	0.387	0.000246407	99.6	99.9	0.0530	0.3008	0.0526	0.2984
4/3/1997	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0530	0.3010
4/4/1997	145	A	36.3	24.8	206.0	0.068	0.387	0.000246407	99.6	99.9	0.0614	0.3485	0.0555	0.3151
4/5/1997	137	A	34.3	23.4	194.7	0.068	0.387	0.000246407	99.6	99.9	0.0650	0.3689	0.0594	0.3371
4/6/1997	133	A	33.3	22.7	189.0	0.068	0.387	0.000246407	99.6	99.9	0.0670	0.3800	0.0629	0.3569
4/7/1997	138	A	34.5	23.6	196.1	0.068	0.387	0.000246407	99.6	99.9	0.0645	0.3662	0.0645	0.3659
4/8/1997	132	A	33.0	22.5	187.6	0.068	0.387	0.000246407	99.6	99.9	0.0675	0.3829	0.0660	0.3745
4/9/1997	120	A	30.0	20.5	170.5	0.068	0.387	0.000246407	99.6	99.9	0.0742	0.4211	0.0683	0.3875
4/10/1997	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0713	0.4044
4/11/1997	109	A	27.3	18.6	154.9	0.068	0.387	0.000246407	99.6	99.9	0.0817	0.4636	0.0756	0.4287
4/12/1997	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.0780	0.4429
4/13/1997	137	A	34.3	23.4	194.7	0.068	0.387	0.000246407	99.6	99.9	0.0650	0.3689	0.0757	0.4298
4/14/1997	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0734	0.4167
4/15/1997	114	A	28.5	19.5	162.0	0.068	0.387	0.000246407	99.6	99.9	0.0781	0.4433	0.0725	0.4116
4/16/1997	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.0734	0.4166
4/17/1997	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0780	0.4425
4/18/1997	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0806	0.4576
4/19/1997	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0819	0.4648
4/20/1997	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.0842	0.4776
4/21/1997	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0868	0.4925
4/22/1997	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0890	0.5050
4/23/1997	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0898	0.5096
4/24/1997	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0847	0.4807
4/25/1997	125	A	31.3	21.4	177.6	0.068	0.387	0.000246407	99.6	99.9	0.0713	0.4043	0.0791	0.4488
4/26/1997	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0769	0.4363
4/27/1997	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0775	0.4399
4/28/1997	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0747	0.4238
4/29/1997	162	A	40.5	27.7	230.2	0.068	0.387	0.000246407	99.6	99.9	0.0550	0.3120	0.0706	0.4007
4/30/1997	138	A	34.5	23.6	196.1	0.068	0.387	0.000246407	99.6	99.9	0.0645	0.3662	0.0667	0.3785
5/1/1997	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0627	0.3557
5/2/1997	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.0675	0.3830
5/3/1997	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0729	0.4139
5/4/1997	120	A	30.0	20.5	170.5	0.068	0.387	0.000246407	99.6	99.9	0.0742	0.4211	0.0754	0.4276
5/5/1997	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.0785	0.4455
5/6/1997	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.0806	0.4572
5/7/1997	101	A	25.3	17.3	143.5	0.068	0.387	0.000246407	99.6	99.9	0.0882	0.5004	0.0834	0.4733
5/8/1997	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0886	0.5025
5/9/1997	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.0874	0.4958
5/10/1997	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0831	0.4715
5/11/1997	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0817	0.4634
5/12/1997	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.0812	0.4606
5/13/1997	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0849	0.4816
5/14/1997	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.0922	0.5233

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
5/15/1997	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.0963	0.5467
5/16/1997	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.0990	0.5620
5/17/1997	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1029	0.5841
5/18/1997	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1082	0.6137
5/19/1997	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1127	0.6395
5/20/1997	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1161	0.6589
5/21/1997	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1188	0.6740
5/22/1997	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1209	0.6860
5/23/1997	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1239	0.7029
5/24/1997	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1278	0.7252
5/25/1997	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1305	0.7407
5/26/1997	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.1195	0.6783
5/27/1997	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.1087	0.6167
5/28/1997	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1036	0.5881
5/29/1997	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1022	0.5800
5/30/1997	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1146	0.6505
5/31/1997	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1255	0.7121
6/1/1997	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1282	0.7276
6/2/1997	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1278	0.7251
6/3/1997	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1227	0.6965
6/4/1997	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1176	0.6674
6/5/1997	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1168	0.6627
6/6/1997	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1177	0.6678
6/7/1997	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1227	0.6965
6/8/1997	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1298	0.7368
6/9/1997	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1357	0.7698
6/10/1997	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1405	0.7973
6/11/1997	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1470	0.8343
6/12/1997	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1533	0.8697
6/13/1997	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1586	0.8999
6/14/1997	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1620	0.9190
6/15/1997	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1620	0.9190
6/16/1997	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1635	0.9277
6/17/1997	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1651	0.9367
6/18/1997	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1658	0.9409
6/19/1997	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1536	0.8713
6/20/1997	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1429	0.8109
6/21/1997	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1391	0.7895
6/22/1997	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1399	0.7940
6/23/1997	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1553	0.8810
6/24/1997	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1693	0.9608
6/25/1997	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1787	1.0139
6/26/1997	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1795	1.0184
6/27/1997	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1689	0.9586
6/28/1997	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1612	0.9149
6/29/1997	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1565	0.8879
6/30/1997	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1621	0.9196
7/1/1997	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1782	1.0112
7/2/1997	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1841	1.0448
7/3/1997	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1810	1.0268
7/4/1997	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1762	0.9998
7/5/1997	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1732	0.9830
7/6/1997	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1791	1.0160
7/7/1997	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.1942	1.1022
7/8/1997	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2012	1.1416
7/9/1997	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2064	1.1709

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
7/10/1997	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.2042	1.1590
7/11/1997	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1960	1.1119
7/12/1997	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.1971	1.1186
7/13/1997	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2022	1.1473
7/14/1997	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2167	1.2294
7/15/1997	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2348	1.3322
7/16/1997	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2485	1.4100
7/17/1997	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2485	1.4100
7/18/1997	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2437	1.3830
7/19/1997	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.2267	1.2861
7/20/1997	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2198	1.2470
7/21/1997	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2259	1.2820
7/22/1997	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2325	1.3191
7/23/1997	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.2304	1.3076
7/24/1997	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.2051	1.1637
7/25/1997	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1878	1.0655
7/26/1997	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1736	0.9852
7/27/1997	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.1829	1.0379
7/28/1997	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2115	1.2003
7/29/1997	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2438	1.3832
7/30/1997	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2618	1.4853
7/31/1997	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2736	1.5523
8/1/1997	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.2942	1.6693
8/2/1997	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3065	1.7390
8/3/1997	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3185	1.8074
8/4/1997	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3306	1.8758
8/5/1997	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.3156	1.7907
8/6/1997	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2920	1.6569
8/7/1997	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2780	1.5773
8/8/1997	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2680	1.5209
8/9/1997	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2773	1.5737
8/10/1997	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.2943	1.6700
8/11/1997	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3083	1.7496
8/12/1997	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3183	1.8060
8/13/1997	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3271	1.8563
8/14/1997	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3215	1.8240
8/15/1997	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3187	1.8085
8/16/1997	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3248	1.8432
8/17/1997	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3283	1.8626
8/18/1997	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3339	1.8949
8/19/1997	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3462	1.9646
8/20/1997	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.3302	1.8735
8/21/1997	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.2895	1.6428
8/22/1997	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2745	1.5577
8/23/1997	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2597	1.4735
8/24/1997	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.2726	1.5466
8/25/1997	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3132	1.7773
8/26/1997	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3348	1.8998
8/27/1997	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3534	2.0051
8/28/1997	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3677	2.0865
8/29/1997	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3714	2.1075
8/30/1997	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3751	2.1286
8/31/1997	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3714	2.1075
9/1/1997	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.3488	1.9794
9/2/1997	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.3015	1.7108
9/3/1997	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2673	1.5168

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
9/4/1997	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2478	1.4063
9/5/1997	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2531	1.4364
9/6/1997	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2872	1.6298
9/7/1997	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3177	1.8026
9/8/1997	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3449	1.9571
9/9/1997	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3545	2.0113
9/10/1997	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3574	2.0280
9/11/1997	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3574	2.0280
9/12/1997	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3497	1.9841
9/13/1997	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3574	2.0280
9/14/1997	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3717	2.1094
9/15/1997	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3795	2.1533
9/16/1997	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3872	2.1973
9/17/1997	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3916	2.2222
9/18/1997	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3960	2.2472
9/19/1997	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3920	2.2243
9/20/1997	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3843	2.1804
9/21/1997	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3687	2.0920
9/22/1997	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3643	2.0671
9/23/1997	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3775	2.1423
9/24/1997	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3945	2.2385
9/25/1997	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4101	2.3269
9/26/1997	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4145	2.3518
9/27/1997	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4097	2.3245
9/28/1997	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3861	2.1908
9/29/1997	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3674	2.0844
9/30/1997	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3589	2.0366
10/1/1997	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3545	2.0116
10/2/1997	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3733	2.1180
10/3/1997	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3920	2.2243
10/4/1997	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4004	2.2722
10/5/1997	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4048	2.2971
10/6/1997	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4097	2.3245
10/7/1997	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4198	2.3819
10/8/1997	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4299	2.4393
10/9/1997	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4299	2.4393
10/10/1997	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4299	2.4393
10/11/1997	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4299	2.4393
10/12/1997	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4246	2.4093
10/13/1997	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4246	2.4093
10/14/1997	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4246	2.4093
10/15/1997	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3989	2.2635
10/16/1997	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3785	2.1478
10/17/1997	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3664	2.0789
10/18/1997	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.3278	1.8601
10/19/1997	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.2858	1.6219
10/20/1997	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.2430	1.3789
10/21/1997	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2096	1.1894
10/22/1997	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2217	1.2578
10/23/1997	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.2671	1.5154
10/24/1997	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3133	1.7778
10/25/1997	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3344	1.8976
10/26/1997	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.3267	1.8540
10/27/1997	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2963	1.6811
10/28/1997	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2814	1.5968
10/29/1997	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2842	1.6124

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
10/30/1997	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2919	1.6561
10/31/1997	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3157	1.7915
11/1/1997	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2972	1.6862
11/2/1997	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.2671	1.5158
11/3/1997	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2531	1.4362
11/4/1997	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2449	1.3894
11/5/1997	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2687	1.5247
11/6/1997	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2888	1.6388
11/7/1997	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2804	1.5911
11/8/1997	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.2309	1.3104
11/9/1997	154	A	38.5	26.3	218.8	0.068	0.387	0.000246407	99.6	99.9	0.0578	0.3282	0.1659	0.9412
11/10/1997	166	A	41.5	28.4	235.9	0.068	0.387	0.000246407	99.6	99.9	0.0537	0.3044	0.1097	0.6225
11/11/1997	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0707	0.4012
11/12/1997	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.0716	0.4061
11/13/1997	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.0868	0.4925
11/14/1997	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.0959	0.5440
11/15/1997	119	A	29.8	20.3	169.1	0.068	0.387	0.000246407	99.6	99.9	0.0748	0.4247	0.0965	0.5475
11/16/1997	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0919	0.5214
11/17/1997	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.0872	0.4949
11/18/1997	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.0912	0.5177
11/19/1997	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1000	0.5675
11/20/1997	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1068	0.6063
11/21/1997	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1097	0.6222
11/22/1997	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.1056	0.5995
11/23/1997	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.1009	0.5724
11/24/1997	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.0972	0.5518
11/25/1997	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.0962	0.5461
11/26/1997	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1016	0.5764
11/27/1997	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1064	0.6035
11/28/1997	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1111	0.6302
11/29/1997	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1132	0.6421
11/30/1997	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1132	0.6421
12/1/1997	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.1104	0.6265
12/2/1997	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1086	0.6165
12/3/1997	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1086	0.6165
12/4/1997	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.1067	0.6054
12/5/1997	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.1067	0.6054
12/6/1997	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1057	0.6000
12/7/1997	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1050	0.5959
12/8/1997	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1080	0.6130
12/9/1997	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1122	0.6367
12/10/1997	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1146	0.6501
12/11/1997	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1146	0.6501
12/12/1997	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1146	0.6501
12/13/1997	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1146	0.6501
12/14/1997	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1165	0.6612
12/15/1997	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1193	0.6767
12/16/1997	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1204	0.6834
12/17/1997	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1229	0.6972
12/18/1997	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1246	0.7073
12/19/1997	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1255	0.7123
12/20/1997	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1272	0.7220
12/21/1997	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1282	0.7272
12/22/1997	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1286	0.7299
12/23/1997	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1261	0.7156
12/24/1997	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1248	0.7082

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
12/25/1997	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1204	0.6830
12/26/1997	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1158	0.6572
12/27/1997	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1127	0.6396
12/28/1997	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.1030	0.5846
12/29/1997	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0968	0.5493
12/30/1997	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0894	0.5075
12/31/1997	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0855	0.4852
1/1/1998	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0881	0.5001
1/2/1998	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.0915	0.5194
1/3/1998	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0960	0.5449
1/4/1998	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1003	0.5689
1/5/1998	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1033	0.5863
1/6/1998	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1048	0.5948
1/7/1998	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.1051	0.5964
1/8/1998	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.1018	0.5776
1/9/1998	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.0985	0.5588
1/10/1998	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0973	0.5520
1/11/1998	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.0985	0.5590
1/12/1998	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1039	0.5894
1/13/1998	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1078	0.6118
1/14/1998	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1090	0.6187
1/15/1998	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.1075	0.6100
1/16/1998	112	A	28.0	19.1	159.1	0.068	0.387	0.000246407	99.6	99.9	0.0795	0.4512	0.0988	0.5609
1/17/1998	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0917	0.5206
1/18/1998	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0871	0.4941
1/19/1998	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0845	0.4794
1/20/1998	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.0878	0.4982
1/21/1998	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.0922	0.5232
1/22/1998	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0957	0.5429
1/23/1998	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0927	0.5258
1/24/1998	152	A	38.0	26.0	216.0	0.068	0.387	0.000246407	99.6	99.9	0.0586	0.3325	0.0841	0.4773
1/25/1998	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0742	0.4211
1/26/1998	134	A	33.5	22.9	190.4	0.068	0.387	0.000246407	99.6	99.9	0.0665	0.3771	0.0655	0.3718
1/27/1998	127	A	31.8	21.7	180.5	0.068	0.387	0.000246407	99.6	99.9	0.0701	0.3979	0.0634	0.3595
1/28/1998	350	Ae	87.5	59.8	497.3	0.068	0.387	0.000246407	99.6	99.9	0.0254	0.1444	0.0551	0.3124
1/29/1998	1220	A	305.1	208.4	1733.5	0.068	0.387	0.000246407	99.6	99.9	0.0073	0.0414	0.0423	0.2402
1/30/1998	718	A	179.6	122.7	1020.2	0.068	0.387	0.000246407	99.6	99.9	0.0124	0.0704	0.0288	0.1635
1/31/1998	416	A	104.0	71.1	591.1	0.068	0.387	0.000246407	99.6	99.9	0.0214	0.1215	0.0166	0.0944
2/1/1998	285	A	71.3	48.7	405.0	0.068	0.387	0.000246407	99.6	99.9	0.0313	0.1773	0.0181	0.1027
2/2/1998	300	Ae	75.0	51.2	426.3	0.068	0.387	0.000246407	99.6	99.9	0.0297	0.1685	0.0237	0.1344
2/3/1998	450	Ae	112.5	76.9	639.4	0.068	0.387	0.000246407	99.6	99.9	0.0198	0.1123	0.0255	0.1449
2/4/1998	650	Ae	162.6	111.0	923.6	0.068	0.387	0.000246407	99.6	99.9	0.0137	0.0777	0.0236	0.1340
2/5/1998	1000	Ae	250.1	170.8	1420.9	0.068	0.387	0.000246407	99.6	99.9	0.0089	0.0505	0.0180	0.1023
2/6/1998	900	Ae	225.1	153.7	1278.8	0.068	0.387	0.000246407	99.6	99.9	0.0099	0.0562	0.0131	0.0742
2/7/1998	700	Ae	175.1	119.6	994.6	0.068	0.387	0.000246407	99.6	99.9	0.0127	0.0722	0.0113	0.0642
2/8/1998	500	Ae	125.0	85.4	710.5	0.068	0.387	0.000246407	99.6	99.9	0.0178	0.1011	0.0123	0.0700
2/9/1998	450	Ae	112.5	76.9	639.4	0.068	0.387	0.000246407	99.6	99.9	0.0198	0.1123	0.0151	0.0854
2/10/1998	420	Ae	105.0	71.7	596.8	0.068	0.387	0.000246407	99.6	99.9	0.0212	0.1203	0.0179	0.1015
2/11/1998	400	Ae	100.0	68.3	568.4	0.068	0.387	0.000246407	99.6	99.9	0.0223	0.1263	0.0203	0.1150
2/12/1998	410	Ae	102.5	70.0	582.6	0.068	0.387	0.000246407	99.6	99.9	0.0217	0.1233	0.0212	0.1206
2/13/1998	430	Ae	107.5	73.5	611.0	0.068	0.387	0.000246407	99.6	99.9	0.0207	0.1175	0.0215	0.1219
2/14/1998	410	Ae	102.5	70.0	582.6	0.068	0.387	0.000246407	99.6	99.9	0.0217	0.1233	0.0216	0.1226
2/15/1998	390	Ae	97.5	66.6	554.2	0.068	0.387	0.000246407	99.6	99.9	0.0228	0.1296	0.0217	0.1234
2/16/1998	360	Ae	90.0	61.5	511.5	0.068	0.387	0.000246407	99.6	99.9	0.0247	0.1404	0.0225	0.1277
2/17/1998	340	Ae	85.0	58.1	483.1	0.068	0.387	0.000246407	99.6	99.9	0.0262	0.1486	0.0239	0.1355
2/18/1998	360	Ae	90.0	61.5	511.5	0.068	0.387	0.000246407	99.6	99.9	0.0247	0.1404	0.0246	0.1397

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
2/19/1998	100	Ae	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0412	0.2337
2/20/1998	286	A	71.5	48.9	406.4	0.068	0.387	0.000246407	99.6	99.9	0.0311	0.1767	0.0428	0.2428
2/21/1998	272	A	68.0	46.5	386.5	0.068	0.387	0.000246407	99.6	99.9	0.0327	0.1858	0.0444	0.2521
2/22/1998	253	A	63.3	43.2	359.5	0.068	0.387	0.000246407	99.6	99.9	0.0352	0.1998	0.0470	0.2669
2/23/1998	284	A	71.0	48.5	403.5	0.068	0.387	0.000246407	99.6	99.9	0.0314	0.1779	0.0326	0.1851
2/24/1998	520	A	130.0	88.8	738.9	0.068	0.387	0.000246407	99.6	99.9	0.0171	0.0972	0.0291	0.1652
2/25/1998	559	A	139.8	95.5	794.3	0.068	0.387	0.000246407	99.6	99.9	0.0159	0.0904	0.0249	0.1413
2/26/1998	388	A	97.0	66.3	551.3	0.068	0.387	0.000246407	99.6	99.9	0.0230	0.1303	0.0218	0.1239
2/27/1998	305	A	76.3	52.1	433.4	0.068	0.387	0.000246407	99.6	99.9	0.0292	0.1657	0.0213	0.1209
2/28/1998	258	A	64.5	44.1	366.6	0.068	0.387	0.000246407	99.6	99.9	0.0345	0.1959	0.0257	0.1456
3/1/1998	241	A	60.3	41.2	342.4	0.068	0.387	0.000246407	99.6	99.9	0.0370	0.2097	0.0309	0.1754
3/2/1998	227	A	56.8	38.8	322.5	0.068	0.387	0.000246407	99.6	99.9	0.0392	0.2226	0.0350	0.1985
3/3/1998	241	A	60.3	41.2	342.4	0.068	0.387	0.000246407	99.6	99.9	0.0370	0.2097	0.0369	0.2095
3/4/1998	252	A	63.0	43.0	358.1	0.068	0.387	0.000246407	99.6	99.9	0.0353	0.2005	0.0371	0.2106
3/5/1998	232	A	58.0	39.6	329.7	0.068	0.387	0.000246407	99.6	99.9	0.0384	0.2178	0.0375	0.2127
3/6/1998	203	A	50.8	34.7	288.4	0.068	0.387	0.000246407	99.6	99.9	0.0439	0.2490	0.0386	0.2193
3/7/1998	202	A	50.5	34.5	287.0	0.068	0.387	0.000246407	99.6	99.9	0.0441	0.2502	0.0404	0.2294
3/8/1998	213	A	53.3	36.4	302.7	0.068	0.387	0.000246407	99.6	99.9	0.0418	0.2373	0.0420	0.2386
3/9/1998	324	A	81.0	55.3	460.4	0.068	0.387	0.000246407	99.6	99.9	0.0275	0.1560	0.0393	0.2231
3/10/1998	483	A	120.8	82.5	686.3	0.068	0.387	0.000246407	99.6	99.9	0.0184	0.1046	0.0330	0.1870
3/11/1998	342	A	85.5	58.4	486.0	0.068	0.387	0.000246407	99.6	99.9	0.0260	0.1478	0.0284	0.1614
3/12/1998	256	A	64.0	43.7	363.8	0.068	0.387	0.000246407	99.6	99.9	0.0348	0.1974	0.0267	0.1514
3/13/1998	219	A	54.8	37.4	311.2	0.068	0.387	0.000246407	99.6	99.9	0.0407	0.2308	0.0300	0.1701
3/14/1998	208	A	52.0	35.5	295.5	0.068	0.387	0.000246407	99.6	99.9	0.0428	0.2430	0.0361	0.2047
3/15/1998	197	A	49.3	33.7	279.9	0.068	0.387	0.000246407	99.6	99.9	0.0452	0.2565	0.0409	0.2319
3/16/1998	185	A	46.3	31.6	262.9	0.068	0.387	0.000246407	99.6	99.9	0.0481	0.2732	0.0442	0.2509
3/17/1998	187	A	46.8	31.9	265.7	0.068	0.387	0.000246407	99.6	99.9	0.0476	0.2703	0.0460	0.2607
3/18/1998	197	A	49.3	33.7	279.9	0.068	0.387	0.000246407	99.6	99.9	0.0452	0.2565	0.0465	0.2641
3/19/1998	254	A	63.5	43.4	360.9	0.068	0.387	0.000246407	99.6	99.9	0.0351	0.1990	0.0440	0.2497
3/20/1998	355	A	88.8	60.6	504.4	0.068	0.387	0.000246407	99.6	99.9	0.0251	0.1424	0.0382	0.2170
3/21/1998	386	A	96.5	65.9	548.5	0.068	0.387	0.000246407	99.6	99.9	0.0231	0.1309	0.0321	0.1822
3/22/1998	472	A	118.0	80.6	670.7	0.068	0.387	0.000246407	99.6	99.9	0.0189	0.1071	0.0255	0.1448
3/23/1998	394	A	98.5	67.3	559.8	0.068	0.387	0.000246407	99.6	99.9	0.0226	0.1283	0.0224	0.1272
3/24/1998	295	A	73.8	50.4	419.2	0.068	0.387	0.000246407	99.6	99.9	0.0302	0.1713	0.0237	0.1344
3/25/1998	261	A	65.3	44.6	370.9	0.068	0.387	0.000246407	99.6	99.9	0.0341	0.1936	0.0264	0.1501
3/26/1998	240	A	60.0	41.0	341.0	0.068	0.387	0.000246407	99.6	99.9	0.0371	0.2106	0.0310	0.1759
3/27/1998	223	A	55.8	38.1	316.9	0.068	0.387	0.000246407	99.6	99.9	0.0399	0.2266	0.0353	0.2005
3/28/1998	215	A	53.8	36.7	305.5	0.068	0.387	0.000246407	99.6	99.9	0.0414	0.2351	0.0381	0.2165
3/29/1998	203	A	50.8	34.7	288.4	0.068	0.387	0.000246407	99.6	99.9	0.0439	0.2490	0.0406	0.2303
3/30/1998	185	A	46.3	31.6	262.9	0.068	0.387	0.000246407	99.6	99.9	0.0481	0.2732	0.0433	0.2460
3/31/1998	178	A	44.5	30.4	252.9	0.068	0.387	0.000246407	99.6	99.9	0.0500	0.2839	0.0459	0.2603
4/1/1998	177	A	44.3	30.2	251.5	0.068	0.387	0.000246407	99.6	99.9	0.0503	0.2855	0.0481	0.2729
4/2/1998	182	A	45.5	31.1	258.6	0.068	0.387	0.000246407	99.6	99.9	0.0489	0.2777	0.0494	0.2801
4/3/1998	172	A	43.0	29.4	244.4	0.068	0.387	0.000246407	99.6	99.9	0.0518	0.2938	0.0503	0.2852
4/4/1998	202	A	50.5	34.5	287.0	0.068	0.387	0.000246407	99.6	99.9	0.0441	0.2502	0.0488	0.2768
4/5/1998	272	A	68.0	46.5	386.5	0.068	0.387	0.000246407	99.6	99.9	0.0327	0.1858	0.0444	0.2519
4/6/1998	252	A	63.0	43.0	358.1	0.068	0.387	0.000246407	99.6	99.9	0.0353	0.2005	0.0410	0.2326
4/7/1998	213	A	53.3	36.4	302.7	0.068	0.387	0.000246407	99.6	99.9	0.0418	0.2373	0.0385	0.2184
4/8/1998	193	A	48.3	33.0	274.2	0.068	0.387	0.000246407	99.6	99.9	0.0461	0.2619	0.0390	0.2214
4/9/1998	201	A	50.3	34.3	285.6	0.068	0.387	0.000246407	99.6	99.9	0.0443	0.2514	0.0419	0.2378
4/10/1998	240	A	60.0	41.0	341.0	0.068	0.387	0.000246407	99.6	99.9	0.0371	0.2106	0.0423	0.2403
4/11/1998	238	A	59.5	40.7	338.2	0.068	0.387	0.000246407	99.6	99.9	0.0374	0.2123	0.0412	0.2340
4/12/1998	201	A	50.3	34.3	285.6	0.068	0.387	0.000246407	99.6	99.9	0.0443	0.2514	0.0408	0.2314
4/13/1998	181	A	45.3	30.9	257.2	0.068	0.387	0.000246407	99.6	99.9	0.0492	0.2792	0.0420	0.2384
4/14/1998	173	A	43.3	29.6	245.8	0.068	0.387	0.000246407	99.6	99.9	0.0515	0.2921	0.0456	0.2588
4/15/1998	174	A	43.5	29.7	247.2	0.068	0.387	0.000246407	99.6	99.9	0.0512	0.2904	0.0490	0.2783

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
4/16/1998	166	A	41.5	28.4	235.9	0.068	0.387	0.000246407	99.6	99.9	0.0537	0.3044	0.0514	0.2916
4/17/1998	165	A	41.3	28.2	234.4	0.068	0.387	0.000246407	99.6	99.9	0.0540	0.3063	0.0526	0.2983
4/18/1998	169	A	42.3	28.9	240.1	0.068	0.387	0.000246407	99.6	99.9	0.0527	0.2990	0.0529	0.3001
4/19/1998	164	A	41.0	28.0	233.0	0.068	0.387	0.000246407	99.6	99.9	0.0543	0.3082	0.0537	0.3045
4/20/1998	164	A	41.0	28.0	233.0	0.068	0.387	0.000246407	99.6	99.9	0.0543	0.3082	0.0538	0.3054
4/21/1998	159	A	39.8	27.2	225.9	0.068	0.387	0.000246407	99.6	99.9	0.0560	0.3178	0.0543	0.3083
4/22/1998	154	A	38.5	26.3	218.8	0.068	0.387	0.000246407	99.6	99.9	0.0578	0.3282	0.0556	0.3156
4/23/1998	152	A	38.0	26.0	216.0	0.068	0.387	0.000246407	99.6	99.9	0.0586	0.3325	0.0567	0.3217
4/24/1998	149	A	37.3	25.5	211.7	0.068	0.387	0.000246407	99.6	99.9	0.0598	0.3392	0.0581	0.3294
4/25/1998	139	A	34.8	23.7	197.5	0.068	0.387	0.000246407	99.6	99.9	0.0641	0.3636	0.0601	0.3408
4/26/1998	133	A	33.3	22.7	189.0	0.068	0.387	0.000246407	99.6	99.9	0.0670	0.3800	0.0624	0.3538
4/27/1998	131	A	32.8	22.4	186.1	0.068	0.387	0.000246407	99.6	99.9	0.0680	0.3858	0.0647	0.3671
4/28/1998	129	A	32.3	22.0	183.3	0.068	0.387	0.000246407	99.6	99.9	0.0690	0.3918	0.0670	0.3803
4/29/1998	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0692	0.3929
4/30/1998	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0714	0.4050
5/1/1998	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.0728	0.4130
5/2/1998	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0726	0.4122
5/3/1998	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0725	0.4114
5/4/1998	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0728	0.4132
5/5/1998	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.0735	0.4168
5/6/1998	126	A	31.5	21.5	179.0	0.068	0.387	0.000246407	99.6	99.9	0.0707	0.4011	0.0740	0.4199
5/7/1998	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.0723	0.4101
5/8/1998	142	A	35.5	24.3	201.8	0.068	0.387	0.000246407	99.6	99.9	0.0627	0.3559	0.0688	0.3901
5/9/1998	155	A	38.8	26.5	220.2	0.068	0.387	0.000246407	99.6	99.9	0.0575	0.3260	0.0641	0.3637
5/10/1998	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0610	0.3460
5/11/1998	152	A	38.0	26.0	216.0	0.068	0.387	0.000246407	99.6	99.9	0.0586	0.3325	0.0592	0.3362
5/12/1998	206	A	51.5	35.2	292.7	0.068	0.387	0.000246407	99.6	99.9	0.0432	0.2453	0.0544	0.3085
5/13/1998	345	A	86.3	58.9	490.2	0.068	0.387	0.000246407	99.6	99.9	0.0258	0.1465	0.0465	0.2636
5/14/1998	287	A	71.8	49.0	407.8	0.068	0.387	0.000246407	99.6	99.9	0.0310	0.1761	0.0397	0.2251
5/15/1998	213	A	53.3	36.4	302.7	0.068	0.387	0.000246407	99.6	99.9	0.0418	0.2373	0.0355	0.2013
5/16/1998	187	A	46.8	31.9	265.7	0.068	0.387	0.000246407	99.6	99.9	0.0476	0.2703	0.0366	0.2075
5/17/1998	169	A	42.3	28.9	240.1	0.068	0.387	0.000246407	99.6	99.9	0.0527	0.2990	0.0433	0.2457
5/18/1998	155	A	38.8	26.5	220.2	0.068	0.387	0.000246407	99.6	99.9	0.0575	0.3260	0.0499	0.2831
5/19/1998	150	A	37.5	25.6	213.1	0.068	0.387	0.000246407	99.6	99.9	0.0594	0.3369	0.0543	0.3081
5/20/1998	142	A	35.5	24.3	201.8	0.068	0.387	0.000246407	99.6	99.9	0.0627	0.3559	0.0581	0.3295
5/21/1998	134	A	33.5	22.9	190.4	0.068	0.387	0.000246407	99.6	99.9	0.0665	0.3771	0.0615	0.3490
5/22/1998	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0652	0.3702
5/23/1998	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.0688	0.3904
5/24/1998	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0723	0.4103
5/25/1998	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0754	0.4279
5/26/1998	109	A	27.3	18.6	154.9	0.068	0.387	0.000246407	99.6	99.9	0.0817	0.4636	0.0777	0.4411
5/27/1998	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0812	0.4605
5/28/1998	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.0834	0.4731
5/29/1998	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0859	0.4876
5/30/1998	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0882	0.5006
5/31/1998	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.0909	0.5156
6/1/1998	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.0945	0.5361
6/2/1998	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.0981	0.5566
6/3/1998	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.1001	0.5681
6/4/1998	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1025	0.5815
6/5/1998	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1046	0.5936
6/6/1998	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1080	0.6129
6/7/1998	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1142	0.6480
6/8/1998	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1206	0.6844
6/9/1998	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1272	0.7217
6/10/1998	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1306	0.7413

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
6/11/1998	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1311	0.7437
6/12/1998	80	Ae	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1257	0.7131
6/13/1998	100	Ae	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.1142	0.6480
6/14/1998	85	Ae	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1077	0.6109
6/15/1998	75	Ae	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1060	0.6014
6/16/1998	99	Ae	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.1006	0.5711
6/17/1998	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.1002	0.5686
6/18/1998	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1015	0.5759
6/19/1998	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1032	0.5854
6/20/1998	67	Ae	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1139	0.6464
6/21/1998	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1298	0.7366
6/22/1998	65	Ae	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1366	0.7750
6/23/1998	65	Ae	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1395	0.7915
6/24/1998	63	Ae	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1416	0.8034
6/25/1998	105	Ae	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.1251	0.7096
6/26/1998	110	Ae	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.1110	0.6301
6/27/1998	150	Ae	37.5	25.6	213.1	0.068	0.387	0.000246407	99.6	99.9	0.0594	0.3369	0.0916	0.5200
6/28/1998	133	A	33.3	22.7	189.0	0.068	0.387	0.000246407	99.6	99.9	0.0670	0.3800	0.0730	0.4144
6/29/1998	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0745	0.4230
6/30/1998	90	Ae	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.0790	0.4485
7/1/1998	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.0917	0.5203
7/2/1998	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1042	0.5915
7/3/1998	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1116	0.6333
7/4/1998	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1201	0.6815
7/5/1998	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1269	0.7199
7/6/1998	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1324	0.7511
7/7/1998	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1360	0.7718
7/8/1998	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1317	0.7473
7/9/1998	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.1233	0.6998
7/10/1998	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1175	0.6665
7/11/1998	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1165	0.6609
7/12/1998	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1229	0.6973
7/13/1998	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1368	0.7760
7/14/1998	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1421	0.8063
7/15/1998	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1459	0.8276
7/16/1998	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1496	0.8488
7/17/1998	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1489	0.8448
7/18/1998	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1537	0.8721
7/19/1998	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1577	0.8947
7/20/1998	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1606	0.9114
7/21/1998	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1670	0.9476
7/22/1998	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1763	1.0006
7/23/1998	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1865	1.0580
7/24/1998	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.1975	1.1205
7/25/1998	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2063	1.1708
7/26/1998	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2136	1.2120
7/27/1998	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2187	1.2407
7/28/1998	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2213	1.2557
7/29/1998	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2241	1.2715
7/30/1998	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2241	1.2715
7/31/1998	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.2148	1.2189
8/1/1998	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2122	1.2038
8/2/1998	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2187	1.2409
8/3/1998	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2348	1.3326
8/4/1998	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2521	1.4303
8/5/1998	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2609	1.4805

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
8/6/1998	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2575	1.4610
8/7/1998	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2511	1.4250
8/8/1998	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2494	1.4150
8/9/1998	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2477	1.4055
8/10/1998	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2477	1.4055
8/11/1998	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2328	1.3210
8/12/1998	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.2227	1.2639
8/13/1998	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2244	1.2734
8/14/1998	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2361	1.3395
8/15/1998	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2573	1.4599
8/16/1998	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2773	1.5736
8/17/1998	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2923	1.6583
8/18/1998	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2790	1.5833
8/19/1998	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.2354	1.3356
8/20/1998	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.2064	1.1710
8/21/1998	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.1853	1.0512
8/22/1998	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.1922	1.0903
8/23/1998	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2336	1.3252
8/24/1998	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2626	1.4898
8/25/1998	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2864	1.6252
8/26/1998	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2977	1.6893
8/27/1998	220	Ae	55.0	37.6	312.6	0.068	0.387	0.000246407	99.6	99.9	0.0405	0.2297	0.2382	1.3519
8/28/1998	400	Ae	100.0	68.3	568.4	0.068	0.387	0.000246407	99.6	99.9	0.0223	0.1263	0.1720	0.9759
8/29/1998	380	Ae	95.0	64.9	539.9	0.068	0.387	0.000246407	99.6	99.9	0.0234	0.1330	0.0983	0.5579
8/30/1998	0.50	Ae	0.1	0.1	0.7	0.068	0.387	0.000246407	99.6	99.9	17.8128	101.0742	4.4748	25.3908
8/31/1998	1	Ae	0.3	0.2	1.4	0.068	0.387	0.000246407	99.6	99.9	8.9064	50.5371	6.6912	37.9677
9/1/1998	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	6.8166	38.6793
9/2/1998	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	6.8553	38.8987
9/3/1998	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	2.4339	13.8106
9/4/1998	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.2438	1.3835
9/5/1998	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1592	0.9035
9/6/1998	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.1865	1.0584
9/7/1998	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2342	1.3291
9/8/1998	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2652	1.5049
9/9/1998	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2884	1.6365
9/10/1998	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2862	1.6237
9/11/1998	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2809	1.5936
9/12/1998	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2902	1.6465
9/13/1998	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2974	1.6873
9/14/1998	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3206	1.8189
9/15/1998	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3259	1.8490
9/16/1998	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3286	1.8645
9/17/1998	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3286	1.8645
9/18/1998	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3126	1.7738
9/19/1998	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.3073	1.7437
9/20/1998	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3134	1.7784
9/21/1998	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3427	1.9444
9/22/1998	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3550	2.0141
9/23/1998	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3632	2.0609
9/24/1998	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3600	2.0429
9/25/1998	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3365	1.9092
9/26/1998	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3242	1.8395
9/27/1998	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3242	1.8395
9/28/1998	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3345	1.8980
9/29/1998	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3345	1.8980
9/30/1998	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3345	1.8980

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
10/1/1998	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.3195	1.8129
10/2/1998	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.3009	1.7076
10/3/1998	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3075	1.7450
10/4/1998	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3132	1.7773
10/5/1998	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.3176	1.8020
10/6/1998	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3201	1.8165
10/7/1998	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3106	1.7624
10/8/1998	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.3000	1.7020
10/9/1998	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.2646	1.5016
10/10/1998	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.2276	1.2915
10/11/1998	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2011	1.1411
10/12/1998	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.1895	1.0750
10/13/1998	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2100	1.1919
10/14/1998	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2233	1.2671
10/15/1998	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2233	1.2671
10/16/1998	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2188	1.2414
10/17/1998	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2219	1.2590
10/18/1998	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2275	1.2906
10/19/1998	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2419	1.3727
10/20/1998	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2630	1.4925
10/21/1998	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.2853	1.6189
10/22/1998	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3124	1.7724
10/23/1998	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3377	1.9160
10/24/1998	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3499	1.9857
10/25/1998	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3565	2.0231
10/26/1998	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3677	2.0865
10/27/1998	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3574	2.0280
10/28/1998	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.3426	1.9438
10/29/1998	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3330	1.8896
10/30/1998	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3130	1.7760
10/31/1998	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3073	1.7437
11/1/1998	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3221	1.8279
11/2/1998	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3317	1.8821
11/3/1998	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3344	1.8976
11/4/1998	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3344	1.8976
11/5/1998	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.3128	1.7751
11/6/1998	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3006	1.7054
11/7/1998	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2953	1.6753
11/8/1998	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2903	1.6472
11/9/1998	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3085	1.7503
11/10/1998	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3085	1.7503
11/11/1998	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2913	1.6531
11/12/1998	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2797	1.5870
11/13/1998	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2595	1.4727
11/14/1998	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2482	1.4086
11/15/1998	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2566	1.4563
11/16/1998	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2760	1.5660
11/17/1998	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2873	1.6301
11/18/1998	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2936	1.6660
11/19/1998	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3172	1.7998
11/20/1998	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3233	1.8345
11/21/1998	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3233	1.8345
11/22/1998	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3405	1.9323
11/23/1998	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3405	1.9323
11/24/1998	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3477	1.9728
11/25/1998	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3637	2.0636

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
11/26/1998	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.3421	1.9411
11/27/1998	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.3205	1.8186
11/28/1998	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.3019	1.7133
11/29/1998	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.2982	1.6922
11/30/1998	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3235	1.8358
12/1/1998	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3385	1.9209
12/2/1998	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.3318	1.8826
12/3/1998	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.3102	1.7601
12/4/1998	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2829	1.6052
12/5/1998	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.2895	1.6427
12/6/1998	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3111	1.7652
12/7/1998	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3404	1.9317
12/8/1998	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3545	2.0113
12/9/1998	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.3118	1.7691
12/10/1998	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2733	1.5509
12/11/1998	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2420	1.3732
12/12/1998	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2367	1.3431
12/13/1998	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.2323	1.3183
12/14/1998	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.2176	1.2349
12/15/1998	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1995	1.1321
12/16/1998	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.1796	1.0191
12/17/1998	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.1978	1.1222
12/18/1998	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2255	1.2794
12/19/1998	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2436	1.3822
12/20/1998	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2661	1.5097
12/21/1998	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2854	1.6195
12/22/1998	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2914	1.6533
12/23/1998	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3027	1.7174
12/24/1998	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2895	1.6427
12/25/1998	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2818	1.5990
12/26/1998	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2840	1.6118
12/27/1998	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2868	1.6273
12/28/1998	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2950	1.6739
12/29/1998	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2887	1.6379
12/30/1998	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2805	1.5914
12/31/1998	30	Ae	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2752	1.5613
1/1/1999	29	Ae	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2801	1.5894
1/2/1999	27	Ae	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.2971	1.6857
1/3/1999	33	Ae	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.3009	1.7076
1/4/1999	80	Ae	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.2546	1.4444
1/5/1999	70	Ae	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.2096	1.1892
1/6/1999	35	Ae	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.1907	1.0823
1/7/1999	43	Ae	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.1750	0.9932
1/8/1999	34	Ae	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2127	1.2069
1/9/1999	34	Ae	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2464	1.3980
1/10/1999	34	Ae	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2482	1.4086
1/11/1999	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2639	1.4976
1/12/1999	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2603	1.4770
1/13/1999	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2603	1.4770
1/14/1999	37	Ae	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2550	1.4469
1/15/1999	90	Ae	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.2123	1.2044
1/16/1999	80	Ae	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1782	1.0114
1/17/1999	32	Ae	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.1823	1.0346
1/18/1999	30	Ae	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.1964	1.1143
1/19/1999	35	Ae	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2353	1.3349
1/20/1999	50	Ae	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.2520	1.4296

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
1/21/1999	47	Ae	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.2297	1.3036
1/22/1999	52	Ae	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1983	1.1254
1/23/1999	48	Ae	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1811	1.0277
1/24/1999	58	Ae	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1750	0.9928
1/25/1999	70	Ae	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1594	0.9045
1/26/1999	85	Ae	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1428	0.8102
1/27/1999	70	Ae	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1282	0.7275
1/28/1999	66	Ae	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1235	0.7010
1/29/1999	60	Ae	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1289	0.7311
1/30/1999	55	Ae	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1431	0.8122
1/31/1999	50	Ae	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1559	0.8844
2/1/1999	60	Ae	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1592	0.9035
2/2/1999	70	Ae	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1539	0.8735
2/3/1999	84	Ae	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1400	0.7942
2/4/1999	76	Ae	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1247	0.7077
2/5/1999	60	Ae	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1247	0.7077
2/6/1999	52	Ae	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1357	0.7702
2/7/1999	60	Ae	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1463	0.8304
2/8/1999	70	Ae	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1488	0.8446
2/9/1999	75	Ae	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1414	0.8025
2/10/1999	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1291	0.7326
2/11/1999	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1238	0.7025
2/12/1999	60	Ae	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1291	0.7326
2/13/1999	74	Ae	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1295	0.7349
2/14/1999	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1344	0.7623
2/15/1999	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1397	0.7924
2/16/1999	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1397	0.7924
2/17/1999	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1455	0.8255
2/18/1999	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1394	0.7912
2/19/1999	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.1276	0.7242
2/20/1999	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1202	0.6820
2/21/1999	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1175	0.6668
2/22/1999	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1220	0.6920
2/23/1999	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1314	0.7459
2/24/1999	70	Ae	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1336	0.7579
2/25/1999	70	Ae	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1321	0.7498
2/26/1999	68	Ae	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1312	0.7442
2/27/1999	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1291	0.7326
2/28/1999	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1316	0.7465
3/1/1999	85	Ae	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1259	0.7146
3/2/1999	83	Ae	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1200	0.6810
3/3/1999	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1174	0.6660
3/4/1999	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1128	0.6400
3/5/1999	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1189	0.6745
3/6/1999	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1258	0.7137
3/7/1999	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1289	0.7316
3/8/1999	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1352	0.7669
3/9/1999	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1388	0.7876
3/10/1999	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1373	0.7792
3/11/1999	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1364	0.7738
3/12/1999	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1332	0.7558
3/13/1999	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1332	0.7558
3/14/1999	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1306	0.7411
3/15/1999	174	A	43.5	29.7	247.2	0.068	0.387	0.000246407	99.6	99.9	0.0512	0.2904	0.1111	0.6306
3/16/1999	213	A	53.3	36.4	302.7	0.068	0.387	0.000246407	99.6	99.9	0.0418	0.2373	0.0889	0.5042
3/17/1999	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0675	0.3830

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
3/18/1999	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0561	0.3181
3/19/1999	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0651	0.3693
3/20/1999	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0769	0.4363
3/21/1999	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.0838	0.4753
3/22/1999	168	A	42.0	28.7	238.7	0.068	0.387	0.000246407	99.6	99.9	0.0530	0.3008	0.0788	0.4469
3/23/1999	193	A	48.3	33.0	274.2	0.068	0.387	0.000246407	99.6	99.9	0.0461	0.2619	0.0685	0.3885
3/24/1999	160	A	40.0	27.3	227.3	0.068	0.387	0.000246407	99.6	99.9	0.0557	0.3159	0.0601	0.3411
3/25/1999	145	A	36.3	24.8	206.0	0.068	0.387	0.000246407	99.6	99.9	0.0614	0.3485	0.0541	0.3068
3/26/1999	143	A	35.8	24.4	203.2	0.068	0.387	0.000246407	99.6	99.9	0.0623	0.3534	0.0564	0.3199
3/27/1999	127	A	31.8	21.7	180.5	0.068	0.387	0.000246407	99.6	99.9	0.0701	0.3979	0.0624	0.3539
3/28/1999	134	A	33.5	22.9	190.4	0.068	0.387	0.000246407	99.6	99.9	0.0665	0.3771	0.0651	0.3693
3/29/1999	135	A	33.8	23.1	191.8	0.068	0.387	0.000246407	99.6	99.9	0.0660	0.3743	0.0662	0.3757
3/30/1999	132	A	33.0	22.5	187.6	0.068	0.387	0.000246407	99.6	99.9	0.0675	0.3829	0.0675	0.3831
3/31/1999	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0682	0.3871
4/1/1999	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0724	0.4109
4/2/1999	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.0743	0.4218
4/3/1999	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.0768	0.4359
4/4/1999	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0792	0.4493
4/5/1999	112	A	28.0	19.1	159.1	0.068	0.387	0.000246407	99.6	99.9	0.0795	0.4512	0.0783	0.4441
4/6/1999	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0807	0.4577
4/7/1999	101	A	25.3	17.3	143.5	0.068	0.387	0.000246407	99.6	99.9	0.0882	0.5004	0.0834	0.4730
4/8/1999	101	A	25.3	17.3	143.5	0.068	0.387	0.000246407	99.6	99.9	0.0882	0.5004	0.0848	0.4811
4/9/1999	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.0863	0.4897
4/10/1999	140	A	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.0814	0.4619
4/11/1999	140	A	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.0753	0.4271
4/12/1999	139	A	34.8	23.7	197.5	0.068	0.387	0.000246407	99.6	99.9	0.0641	0.3636	0.0692	0.3929
4/13/1999	141	A	35.3	24.1	200.3	0.068	0.387	0.000246407	99.6	99.9	0.0632	0.3584	0.0636	0.3610
4/14/1999	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0651	0.3694
4/15/1999	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0675	0.3828
4/16/1999	114	A	28.5	19.5	162.0	0.068	0.387	0.000246407	99.6	99.9	0.0781	0.4433	0.0710	0.4027
4/17/1999	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0758	0.4301
4/18/1999	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0807	0.4577
4/19/1999	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.0849	0.4818
4/20/1999	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.0879	0.4986
4/21/1999	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0912	0.5174
4/22/1999	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0919	0.5213
4/23/1999	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0923	0.5240
4/24/1999	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0896	0.5082
4/25/1999	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.0888	0.5039
4/26/1999	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.0906	0.5140
4/27/1999	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0929	0.5274
4/28/1999	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1011	0.5735
4/29/1999	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1057	0.5998
4/30/1999	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1075	0.6098
5/1/1999	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1087	0.6167
5/2/1999	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1070	0.6074
5/3/1999	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.1051	0.5964
5/4/1999	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.1033	0.5863
5/5/1999	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.1021	0.5795
5/6/1999	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1024	0.5813
5/7/1999	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1034	0.5866
5/8/1999	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1068	0.6061
5/9/1999	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1112	0.6310
5/10/1999	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1165	0.6611
5/11/1999	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1206	0.6844
5/12/1999	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1238	0.7024

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
5/13/1999	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1273	0.7225
5/14/1999	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1303	0.7394
5/15/1999	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1342	0.7613
5/16/1999	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1371	0.7778
5/17/1999	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1386	0.7866
5/18/1999	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1376	0.7806
5/19/1999	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1337	0.7587
5/20/1999	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1284	0.7284
5/21/1999	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1249	0.7089
5/22/1999	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1235	0.7006
5/23/1999	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1297	0.7357
5/24/1999	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1372	0.7787
5/25/1999	58	Ae	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1443	0.8186
5/26/1999	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1525	0.8652
5/27/1999	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1608	0.9125
5/28/1999	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1717	0.9742
5/29/1999	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1807	1.0252
5/30/1999	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1876	1.0643
5/31/1999	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1927	1.0936
6/1/1999	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.1984	1.1256
6/2/1999	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2096	1.1893
6/3/1999	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2193	1.2444
6/4/1999	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2289	1.2987
6/5/1999	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2377	1.3489
6/6/1999	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2446	1.3880
6/7/1999	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2617	1.4852
6/8/1999	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2652	1.5047
6/9/1999	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2619	1.4862
6/10/1999	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2566	1.4561
6/11/1999	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2330	1.3221
6/12/1999	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.2122	1.2041
6/13/1999	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1913	1.0857
6/14/1999	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1621	0.9197
6/15/1999	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1408	0.7988
6/16/1999	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1302	0.7390
6/17/1999	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1243	0.7053
6/18/1999	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1256	0.7129
6/19/1999	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1306	0.7411
6/20/1999	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1297	0.7359
6/21/1999	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.1232	0.6990
6/22/1999	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1188	0.6738
6/23/1999	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1172	0.6652
6/24/1999	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1230	0.6979
6/25/1999	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1389	0.7883
6/26/1999	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1547	0.8781
6/27/1999	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1674	0.9501
6/28/1999	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1809	1.0267
6/29/1999	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1903	1.0799
6/30/1999	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1973	1.1193
7/1/1999	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2061	1.1696
7/2/1999	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2085	1.1833
7/3/1999	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.2074	1.1769
7/4/1999	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2098	1.1905
7/5/1999	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2273	1.2900
7/6/1999	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2511	1.4248
7/7/1999	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2734	1.5516

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
7/8/1999	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2947	1.6719
7/9/1999	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3085	1.7503
7/10/1999	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3173	1.8006
7/11/1999	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3311	1.8789
7/12/1999	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3460	1.9632
7/13/1999	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.2951	1.6746
7/14/1999	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.2515	1.4271
7/15/1999	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.2132	1.2100
7/16/1999	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.1813	1.0286
7/17/1999	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2260	1.2824
7/18/1999	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.2665	1.5119
7/19/1999	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3047	1.7291
7/20/1999	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3271	1.8563
7/21/1999	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3333	1.8910
7/22/1999	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3276	1.8588
7/23/1999	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3215	1.8240
7/24/1999	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3347	1.8993
7/25/1999	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3503	1.9876
7/26/1999	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3703	2.1013
7/27/1999	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3836	2.1765
7/28/1999	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3799	2.1554
7/29/1999	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3799	2.1554
7/30/1999	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3799	2.1554
7/31/1999	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3883	2.2033
8/1/1999	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4053	2.2995
8/2/1999	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.4350	2.4684
8/3/1999	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4442	2.5207
8/4/1999	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4491	2.5481
8/5/1999	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.4740	2.6897
8/6/1999	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.4740	2.6897
8/7/1999	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.4990	2.8312
8/8/1999	13	A	3.3	2.2	18.5	0.068	0.387	0.000246407	99.6	99.9	0.6851	3.8875	0.5642	3.2014
8/9/1999	13	A	3.3	2.2	18.5	0.068	0.387	0.000246407	99.6	99.9	0.6851	3.8875	0.6045	3.4301
8/10/1999	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.6127	3.4766
8/11/1999	15	A	3.8	2.6	21.3	0.068	0.387	0.000246407	99.6	99.9	0.5938	3.3691	0.6302	3.5757
8/12/1999	14	A	3.5	2.4	19.9	0.068	0.387	0.000246407	99.6	99.9	0.6362	3.6098	0.6179	3.5062
8/13/1999	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.5858	3.3240
8/14/1999	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.5291	3.0023
8/15/1999	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.4243	2.4078
8/16/1999	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.3349	1.9001
8/17/1999	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2752	1.5617
8/18/1999	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.2784	1.5797
8/19/1999	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3408	1.9336
8/20/1999	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.3825	2.1705
8/21/1999	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3825	2.1705
8/22/1999	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3859	2.1899
8/23/1999	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3811	2.1626
8/24/1999	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3710	2.1052
8/25/1999	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3843	2.1804
8/26/1999	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3747	2.1262
8/27/1999	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3530	2.0032
8/28/1999	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3343	1.8968
8/29/1999	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3427	1.9447
8/30/1999	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.3942	2.2366
8/31/1999	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4318	2.4504
9/1/1999	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4731	2.6843

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
9/2/1999	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4731	2.6843
9/3/1999	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.4216	2.3924
9/4/1999	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3869	2.1954
9/5/1999	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3488	1.9794
9/6/1999	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3367	1.9105
9/7/1999	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3396	1.9272
9/8/1999	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.3314	1.8804
9/9/1999	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.3132	1.7773
9/10/1999	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2896	1.6435
9/11/1999	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2790	1.5832
9/12/1999	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2843	1.6132
9/13/1999	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3059	1.7357
9/14/1999	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3199	1.8154
9/15/1999	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.3083	1.7493
9/16/1999	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.2630	1.4924
9/17/1999	100	Ae	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.1962	1.1134
9/18/1999	400	Ae	100.0	68.3	568.4	0.068	0.387	0.000246407	99.6	99.9	0.0223	0.1263	0.1223	0.6938
9/19/1999	300	Ae	75.0	51.2	426.3	0.068	0.387	0.000246407	99.6	99.9	0.0297	0.1685	0.0695	0.3944
9/20/1999	200	Ae	50.0	34.2	284.2	0.068	0.387	0.000246407	99.6	99.9	0.0445	0.2527	0.0464	0.2632
9/21/1999	80	Ae	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.0520	0.2948
9/22/1999	132	A	33.0	22.5	187.6	0.068	0.387	0.000246407	99.6	99.9	0.0675	0.3829	0.0633	0.3589
9/23/1999	132	A	33.0	22.5	187.6	0.068	0.387	0.000246407	99.6	99.9	0.0675	0.3829	0.0727	0.4125
9/24/1999	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.0894	0.5073
9/25/1999	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.0921	0.5224
9/26/1999	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1084	0.6153
9/27/1999	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1248	0.7081
9/28/1999	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1302	0.7388
9/29/1999	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1345	0.7631
9/30/1999	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1331	0.7550
10/1/1999	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1316	0.7470
10/2/1999	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1316	0.7470
10/3/1999	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1334	0.7567
10/4/1999	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1387	0.7868
10/5/1999	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1416	0.8037
10/6/1999	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1437	0.8156
10/7/1999	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1444	0.8191
10/8/1999	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1444	0.8191
10/9/1999	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1500	0.8514
10/10/1999	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1584	0.8986
10/11/1999	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1633	0.9264
10/12/1999	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1682	0.9542
10/13/1999	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1713	0.9722
10/14/1999	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1761	0.9992
10/15/1999	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.1897	1.0766
10/16/1999	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2020	1.1464
10/17/1999	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1955	1.1092
10/18/1999	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.1635	0.9275
10/19/1999	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.1242	0.7045
10/20/1999	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0935	0.5308
10/21/1999	109	A	27.3	18.6	154.9	0.068	0.387	0.000246407	99.6	99.9	0.0817	0.4636	0.0769	0.4361
10/22/1999	133	A	33.3	22.7	189.0	0.068	0.387	0.000246407	99.6	99.9	0.0670	0.3800	0.0772	0.4382
10/23/1999	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0836	0.4742
10/24/1999	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.0864	0.4902
10/25/1999	76	Ae	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.0953	0.5406
10/26/1999	69	Ae	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1108	0.6287
10/27/1999	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1203	0.6829

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
10/28/1999	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1271	0.7210
10/29/1999	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1305	0.7406
10/30/1999	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1315	0.7460
10/31/1999	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1346	0.7635
11/1/1999	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1378	0.7820
11/2/1999	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1364	0.7742
11/3/1999	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1325	0.7519
11/4/1999	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1250	0.7092
11/5/1999	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1186	0.6729
11/6/1999	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1220	0.6923
11/7/1999	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1270	0.7204
11/8/1999	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1339	0.7599
11/9/1999	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1403	0.7963
11/10/1999	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1415	0.8027
11/11/1999	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1456	0.8261
11/12/1999	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1499	0.8504
11/13/1999	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1505	0.8538
11/14/1999	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1499	0.8506
11/15/1999	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1499	0.8506
11/16/1999	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1468	0.8327
11/17/1999	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1456	0.8259
11/18/1999	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1507	0.8551
11/19/1999	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1521	0.8629
11/20/1999	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1582	0.8975
11/21/1999	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1620	0.9193
11/22/1999	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1635	0.9280
11/23/1999	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1658	0.9408
11/24/1999	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1650	0.9363
11/25/1999	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1630	0.9249
11/26/1999	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1533	0.8696
11/27/1999	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1417	0.8043
11/28/1999	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1337	0.7589
11/29/1999	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1313	0.7453
11/30/1999	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1356	0.7693
12/1/1999	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1422	0.8068
12/2/1999	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1502	0.8522
12/3/1999	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1526	0.8658
12/4/1999	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1581	0.8971
12/5/1999	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1638	0.9295
12/6/1999	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1563	0.8869
12/7/1999	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1523	0.8642
12/8/1999	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1421	0.8063
12/9/1999	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1335	0.7577
12/10/1999	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1351	0.7668
12/11/1999	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1337	0.7585
12/12/1999	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1367	0.7754
12/13/1999	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1351	0.7669
12/14/1999	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1276	0.7242
12/15/1999	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.1201	0.6815
12/16/1999	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.1109	0.6293
12/17/1999	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0982	0.5574
12/18/1999	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.0989	0.5614
12/19/1999	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1043	0.5918
12/20/1999	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1101	0.6245
12/21/1999	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1193	0.6769
12/22/1999	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1169	0.6636

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
12/23/1999	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1154	0.6548
12/24/1999	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1141	0.6476
12/25/1999	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1162	0.6593
12/26/1999	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1214	0.6886
12/27/1999	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1251	0.7097
12/28/1999	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1268	0.7195
12/29/1999	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1277	0.7246
12/30/1999	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1296	0.7353
12/31/1999	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1305	0.7407
1/1/2000	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1320	0.7488
1/2/2000	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1329	0.7543
1/3/2000	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1329	0.7543
1/4/2000	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1340	0.7601
1/5/2000	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1308	0.7422
1/6/2000	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1294	0.7342
1/7/2000	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1233	0.6997
1/8/2000	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1200	0.6808
1/9/2000	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1231	0.6986
1/10/2000	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1214	0.6889
1/11/2000	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1235	0.7010
1/12/2000	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1244	0.7060
1/13/2000	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1230	0.6980
1/14/2000	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1294	0.7343
1/15/2000	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1372	0.7787
1/16/2000	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1413	0.8020
1/17/2000	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1433	0.8129
1/18/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1416	0.8032
1/19/2000	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1398	0.7932
1/20/2000	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1371	0.7780
1/21/2000	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1361	0.7723
1/22/2000	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1367	0.7755
1/23/2000	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1384	0.7855
1/24/2000	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1417	0.8040
1/25/2000	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1383	0.7845
1/26/2000	72	Ae	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1338	0.7594
1/27/2000	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1305	0.7403
1/28/2000	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1299	0.7369
1/29/2000	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1377	0.7813
1/30/2000	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1421	0.8063
1/31/2000	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.1298	0.7364
2/1/2000	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.1181	0.6699
2/2/2000	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1115	0.6324
2/3/2000	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1089	0.6177
2/4/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1222	0.6936
2/5/2000	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1308	0.7421
2/6/2000	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1321	0.7495
2/7/2000	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1312	0.7442
2/8/2000	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1282	0.7273
2/9/2000	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1268	0.7194
2/10/2000	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1251	0.7097
2/11/2000	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1218	0.6911
2/12/2000	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1189	0.6747
2/13/2000	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1165	0.6609
2/14/2000	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1146	0.6501
2/15/2000	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1132	0.6422
2/16/2000	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1143	0.6488

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
2/17/2000	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1177	0.6678
2/18/2000	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1188	0.6742
2/19/2000	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.1139	0.6464
2/20/2000	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.1068	0.6059
2/21/2000	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1020	0.5788
2/22/2000	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1005	0.5705
2/23/2000	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1058	0.6001
2/24/2000	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1114	0.6319
2/25/2000	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1136	0.6443
2/26/2000	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1143	0.6484
2/27/2000	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1153	0.6544
2/28/2000	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1139	0.6465
2/29/2000	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1117	0.6340
3/1/2000	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1121	0.6361
3/2/2000	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1132	0.6426
3/3/2000	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1179	0.6690
3/4/2000	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1232	0.6988
3/5/2000	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1275	0.7233
3/6/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1326	0.7523
3/7/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1356	0.7692
3/8/2000	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1366	0.7748
3/9/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1381	0.7837
3/10/2000	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1411	0.8004
3/11/2000	61	Ae	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1428	0.8101
3/12/2000	68	Ae	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1418	0.8045
3/13/2000	64	Ae	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1418	0.8045
3/14/2000	64	Ae	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1388	0.7877
3/15/2000	64	Ae	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1371	0.7780
3/16/2000	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1397	0.7928
3/17/2000	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.1272	0.7217
3/18/2000	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.1156	0.6559
3/19/2000	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1093	0.6205
3/20/2000	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1058	0.6004
3/21/2000	200	Ae	50.0	34.2	284.2	0.068	0.387	0.000246407	99.6	99.9	0.0445	0.2527	0.0947	0.5372
3/22/2000	540	Ae	135.0	92.2	767.3	0.068	0.387	0.000246407	99.6	99.9	0.0165	0.0936	0.0756	0.4290
3/23/2000	550	Ae	137.5	94.0	781.5	0.068	0.387	0.000246407	99.6	99.9	0.0162	0.0919	0.0511	0.2900
3/24/2000	250	Ae	62.5	42.7	355.2	0.068	0.387	0.000246407	99.6	99.9	0.0356	0.2021	0.0282	0.1601
3/25/2000	227	A	56.8	38.8	322.5	0.068	0.387	0.000246407	99.6	99.9	0.0392	0.2226	0.0269	0.1526
3/26/2000	217	A	54.3	37.1	308.3	0.068	0.387	0.000246407	99.6	99.9	0.0410	0.2329	0.0330	0.1874
3/27/2000	209	A	52.3	35.7	297.0	0.068	0.387	0.000246407	99.6	99.9	0.0426	0.2418	0.0396	0.2249
3/28/2000	208	A	52.0	35.5	295.5	0.068	0.387	0.000246407	99.6	99.9	0.0428	0.2430	0.0414	0.2351
3/29/2000	220	A	55.0	37.6	312.6	0.068	0.387	0.000246407	99.6	99.9	0.0405	0.2297	0.0417	0.2368
3/30/2000	209	A	52.3	35.7	297.0	0.068	0.387	0.000246407	99.6	99.9	0.0426	0.2418	0.0421	0.2391
3/31/2000	186	A	46.5	31.8	264.3	0.068	0.387	0.000246407	99.6	99.9	0.0479	0.2717	0.0435	0.2465
4/1/2000	171	A	42.8	29.2	243.0	0.068	0.387	0.000246407	99.6	99.9	0.0521	0.2955	0.0458	0.2597
4/2/2000	162	A	40.5	27.7	230.2	0.068	0.387	0.000246407	99.6	99.9	0.0550	0.3120	0.0494	0.2803
4/3/2000	150	Ae	37.5	25.6	213.1	0.068	0.387	0.000246407	99.6	99.9	0.0594	0.3369	0.0536	0.3040
4/4/2000	160	Ae	40.0	27.3	227.3	0.068	0.387	0.000246407	99.6	99.9	0.0557	0.3159	0.0555	0.3151
4/5/2000	150	Ae	37.5	25.6	213.1	0.068	0.387	0.000246407	99.6	99.9	0.0594	0.3369	0.0573	0.3254
4/6/2000	140	A	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.0595	0.3377
4/7/2000	138	A	34.5	23.6	196.1	0.068	0.387	0.000246407	99.6	99.9	0.0645	0.3662	0.0608	0.3450
4/8/2000	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0640	0.3632
4/9/2000	144	A	36.0	24.6	204.6	0.068	0.387	0.000246407	99.6	99.9	0.0619	0.3510	0.0646	0.3667
4/10/2000	137	A	34.3	23.4	194.7	0.068	0.387	0.000246407	99.6	99.9	0.0650	0.3689	0.0650	0.3687
4/11/2000	135	A	33.8	23.1	191.8	0.068	0.387	0.000246407	99.6	99.9	0.0660	0.3743	0.0653	0.3707
4/12/2000	119	A	29.8	20.3	169.1	0.068	0.387	0.000246407	99.6	99.9	0.0748	0.4247	0.0669	0.3797

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
4/13/2000	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.0717	0.4068
4/14/2000	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0763	0.4327
4/15/2000	131	A	32.8	22.4	186.1	0.068	0.387	0.000246407	99.6	99.9	0.0680	0.3858	0.0768	0.4355
4/16/2000	179	A	44.8	30.6	254.3	0.068	0.387	0.000246407	99.6	99.9	0.0498	0.2823	0.0705	0.4000
4/17/2000	173	A	43.3	29.6	245.8	0.068	0.387	0.000246407	99.6	99.9	0.0515	0.2921	0.0631	0.3581
4/18/2000	178	A	44.5	30.4	252.9	0.068	0.387	0.000246407	99.6	99.9	0.0500	0.2839	0.0548	0.3110
4/19/2000	187	A	46.8	31.9	265.7	0.068	0.387	0.000246407	99.6	99.9	0.0476	0.2703	0.0497	0.2822
4/20/2000	188	A	47.0	32.1	267.1	0.068	0.387	0.000246407	99.6	99.9	0.0474	0.2688	0.0491	0.2788
4/21/2000	185	A	46.3	31.6	262.9	0.068	0.387	0.000246407	99.6	99.9	0.0481	0.2732	0.0483	0.2740
4/22/2000	181	A	45.3	30.9	257.2	0.068	0.387	0.000246407	99.6	99.9	0.0492	0.2792	0.0481	0.2729
4/23/2000	177	A	44.3	30.2	251.5	0.068	0.387	0.000246407	99.6	99.9	0.0503	0.2855	0.0488	0.2767
4/24/2000	170	A	42.5	29.0	241.6	0.068	0.387	0.000246407	99.6	99.9	0.0524	0.2973	0.0500	0.2838
4/25/2000	172	A	43.0	29.4	244.4	0.068	0.387	0.000246407	99.6	99.9	0.0518	0.2938	0.0509	0.2890
4/26/2000	176	A	44.0	30.1	250.1	0.068	0.387	0.000246407	99.6	99.9	0.0506	0.2871	0.0513	0.2909
4/27/2000	176	A	44.0	30.1	250.1	0.068	0.387	0.000246407	99.6	99.9	0.0506	0.2871	0.0513	0.2913
4/28/2000	174	A	43.5	29.7	247.2	0.068	0.387	0.000246407	99.6	99.9	0.0512	0.2904	0.0510	0.2896
4/29/2000	165	A	41.3	28.2	234.4	0.068	0.387	0.000246407	99.6	99.9	0.0540	0.3063	0.0516	0.2928
4/30/2000	157	A	39.3	26.8	223.1	0.068	0.387	0.000246407	99.6	99.9	0.0567	0.3219	0.0531	0.3014
5/1/2000	140	A	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.0564	0.3199
5/2/2000	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.0620	0.3517
5/3/2000	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.0669	0.3795
5/4/2000	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0724	0.4109
5/5/2000	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0773	0.4387
5/6/2000	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0807	0.4582
5/7/2000	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0842	0.4776
5/8/2000	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0884	0.5017
5/9/2000	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0913	0.5180
5/10/2000	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.0951	0.5393
5/11/2000	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1004	0.5696
5/12/2000	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1054	0.5978
5/13/2000	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1118	0.6341
5/14/2000	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1171	0.6644
5/15/2000	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1217	0.6908
5/16/2000	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1210	0.6866
5/17/2000	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1232	0.6990
5/18/2000	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1255	0.7121
5/19/2000	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1279	0.7260
5/20/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1345	0.7635
5/21/2000	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1305	0.7403
5/22/2000	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.1169	0.6635
5/23/2000	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.0991	0.5620
5/24/2000	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0831	0.4717
5/25/2000	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0768	0.4356
5/26/2000	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.0842	0.4779
5/27/2000	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.0979	0.5557
5/28/2000	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1092	0.6194
5/29/2000	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1162	0.6596
5/30/2000	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1188	0.6740
5/31/2000	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1201	0.6812
6/1/2000	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1218	0.6910
6/2/2000	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1261	0.7155
6/3/2000	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1323	0.7508
6/4/2000	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1393	0.7907
6/5/2000	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1453	0.8243
6/6/2000	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1430	0.8112
6/7/2000	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1349	0.7654

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
6/8/2000	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1297	0.7361
6/9/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1268	0.7194
6/10/2000	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1330	0.7545
6/11/2000	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1456	0.8263
6/12/2000	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1508	0.8555
6/13/2000	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1469	0.8336
6/14/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1446	0.8204
6/15/2000	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1384	0.7851
6/16/2000	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1322	0.7504
6/17/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1361	0.7723
6/18/2000	137	A	34.3	23.4	194.7	0.068	0.387	0.000246407	99.6	99.9	0.0650	0.3689	0.1176	0.6671
6/19/2000	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0979	0.5553
6/20/2000	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0864	0.4903
6/21/2000	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.0839	0.4760
6/22/2000	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.0994	0.5642
6/23/2000	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1167	0.6622
6/24/2000	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1291	0.7327
6/25/2000	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1311	0.7439
6/26/2000	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1346	0.7640
6/27/2000	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1399	0.7941
6/28/2000	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1399	0.7941
6/29/2000	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.1282	0.7273
6/30/2000	112	A	28.0	19.1	159.1	0.068	0.387	0.000246407	99.6	99.9	0.0795	0.4512	0.1127	0.6396
7/1/2000	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.1001	0.5678
7/2/2000	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1001	0.5678
7/3/2000	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1113	0.6316
7/4/2000	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1252	0.7103
7/5/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1355	0.7688
7/6/2000	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1376	0.7808
7/7/2000	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1410	0.8000
7/8/2000	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1470	0.8341
7/9/2000	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1542	0.8751
7/10/2000	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1617	0.9175
7/11/2000	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1637	0.9286
7/12/2000	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1651	0.9370
7/13/2000	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1668	0.9463
7/14/2000	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1694	0.9612
7/15/2000	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1662	0.9433
7/16/2000	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1582	0.8979
7/17/2000	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1530	0.8680
7/18/2000	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1495	0.8486
7/19/2000	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1582	0.8975
7/20/2000	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.1497	0.8493
7/21/2000	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.1310	0.7433
7/22/2000	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1203	0.6828
7/23/2000	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1123	0.6373
7/24/2000	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1247	0.7074
7/25/2000	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1415	0.8028
7/26/2000	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1390	0.7889
7/27/2000	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.1244	0.7056
7/28/2000	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.1123	0.6370
7/29/2000	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1076	0.6104
7/30/2000	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1109	0.6294
7/31/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1239	0.7030
8/1/2000	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1326	0.7524
8/2/2000	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1385	0.7861

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
8/3/2000	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1453	0.8246
8/4/2000	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1470	0.8343
8/5/2000	112	A	28.0	19.1	159.1	0.068	0.387	0.000246407	99.6	99.9	0.0795	0.4512	0.1332	0.7557
8/6/2000	109	A	27.3	18.6	154.9	0.068	0.387	0.000246407	99.6	99.9	0.0817	0.4636	0.1159	0.6575
8/7/2000	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1061	0.6021
8/8/2000	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1001	0.5680
8/9/2000	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1156	0.6558
8/10/2000	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1323	0.7504
8/11/2000	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.1246	0.7069
8/12/2000	197	A	49.3	33.7	279.9	0.068	0.387	0.000246407	99.6	99.9	0.0452	0.2565	0.1054	0.5979
8/13/2000	172	A	43.0	29.4	244.4	0.068	0.387	0.000246407	99.6	99.9	0.0518	0.2938	0.0830	0.4708
8/14/2000	218	A	54.5	37.2	309.8	0.068	0.387	0.000246407	99.6	99.9	0.0409	0.2318	0.0561	0.3182
8/15/2000	250	A	62.5	42.7	355.2	0.068	0.387	0.000246407	99.6	99.9	0.0356	0.2021	0.0434	0.2461
8/16/2000	163	A	40.8	27.8	231.6	0.068	0.387	0.000246407	99.6	99.9	0.0546	0.3100	0.0457	0.2595
8/17/2000	133	A	33.3	22.7	189.0	0.068	0.387	0.000246407	99.6	99.9	0.0670	0.3800	0.0495	0.2810
8/18/2000	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0594	0.3369
8/19/2000	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0713	0.4044
8/20/2000	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0784	0.4450
8/21/2000	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0833	0.4726
8/22/2000	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0869	0.4932
8/23/2000	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.0926	0.5256
8/24/2000	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.0983	0.5579
8/25/2000	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1032	0.5856
8/26/2000	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1074	0.6092
8/27/2000	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1118	0.6342
8/28/2000	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1171	0.6643
8/29/2000	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1224	0.6944
8/30/2000	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1259	0.7144
8/31/2000	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1255	0.7120
9/1/2000	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1242	0.7046
9/2/2000	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1199	0.6801
9/3/2000	174	A	43.5	29.7	247.2	0.068	0.387	0.000246407	99.6	99.9	0.0512	0.2904	0.1013	0.5747
9/4/2000	253	A	63.3	43.2	359.5	0.068	0.387	0.000246407	99.6	99.9	0.0352	0.1998	0.0796	0.4516
9/5/2000	215	A	53.8	36.7	305.5	0.068	0.387	0.000246407	99.6	99.9	0.0414	0.2351	0.0594	0.3373
9/6/2000	156	A	39.0	26.6	221.7	0.068	0.387	0.000246407	99.6	99.9	0.0571	0.3240	0.0462	0.2623
9/7/2000	131	A	32.8	22.4	186.1	0.068	0.387	0.000246407	99.6	99.9	0.0680	0.3858	0.0504	0.2861
9/8/2000	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0613	0.3480
9/9/2000	109	A	27.3	18.6	154.9	0.068	0.387	0.000246407	99.6	99.9	0.0817	0.4636	0.0714	0.4052
9/10/2000	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0781	0.4434
9/11/2000	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0846	0.4799
9/12/2000	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.0905	0.5133
9/13/2000	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.0965	0.5478
9/14/2000	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1024	0.5808
9/15/2000	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.1003	0.5693
9/16/2000	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0948	0.5379
9/17/2000	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0899	0.5102
9/18/2000	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0868	0.4924
9/19/2000	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.0922	0.5231
9/20/2000	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1022	0.5800
9/21/2000	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1107	0.6281
9/22/2000	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1184	0.6716
9/23/2000	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1248	0.7080
9/24/2000	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1270	0.7204
9/25/2000	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.1196	0.6785
9/26/2000	207	A	51.8	35.4	294.1	0.068	0.387	0.000246407	99.6	99.9	0.0430	0.2441	0.0990	0.5616
9/27/2000	264	A	66.0	45.1	375.1	0.068	0.387	0.000246407	99.6	99.9	0.0337	0.1914	0.0742	0.4209

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
9/28/2000	203	A	50.8	34.7	288.4	0.068	0.387	0.000246407	99.6	99.9	0.0439	0.2490	0.0529	0.3001
9/29/2000	146	A	36.5	24.9	207.5	0.068	0.387	0.000246407	99.6	99.9	0.0610	0.3461	0.0454	0.2577
9/30/2000	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0529	0.3002
10/1/2000	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0642	0.3641
10/2/2000	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0738	0.4189
10/3/2000	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0802	0.4550
10/4/2000	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0849	0.4817
10/5/2000	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0891	0.5057
10/6/2000	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0920	0.5218
10/7/2000	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0956	0.5427
10/8/2000	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.0992	0.5628
10/9/2000	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1045	0.5932
10/10/2000	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1120	0.6357
10/11/2000	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1200	0.6807
10/12/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1282	0.7277
10/13/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1337	0.7589
10/14/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1376	0.7808
10/15/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1392	0.7896
10/16/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1392	0.7896
10/17/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1392	0.7896
10/18/2000	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1362	0.7727
10/19/2000	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1332	0.7558
10/20/2000	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1316	0.7470
10/21/2000	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1311	0.7439
10/22/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1341	0.7608
10/23/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1371	0.7778
10/24/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1386	0.7866
10/25/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1392	0.7896
10/26/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1392	0.7896
10/27/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1392	0.7896
10/28/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1392	0.7896
10/29/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1392	0.7896
10/30/2000	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1403	0.7960
10/31/2000	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1426	0.8092
11/1/2000	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1449	0.8223
11/2/2000	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1472	0.8355
11/3/2000	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1484	0.8423
11/4/2000	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1484	0.8423
11/5/2000	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1478	0.8388
11/6/2000	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1478	0.8388
11/7/2000	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1478	0.8388
11/8/2000	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1478	0.8388
11/9/2000	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1478	0.8388
11/10/2000	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1435	0.8141
11/11/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1411	0.8009
11/12/2000	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1411	0.8009
11/13/2000	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1418	0.8044
11/14/2000	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1449	0.8223
11/15/2000	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1460	0.8287
11/16/2000	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1460	0.8287
11/17/2000	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1502	0.8521
11/18/2000	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1555	0.8823
11/19/2000	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1608	0.9125
11/20/2000	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1649	0.9359
11/21/2000	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1665	0.9449
11/22/2000	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1707	0.9687

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
11/23/2000	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1769	1.0036
11/24/2000	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1830	1.0384
11/25/2000	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1876	1.0643
11/26/2000	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.1677	0.9517
11/27/2000	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.1435	0.8145
11/28/2000	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1263	0.7164
11/29/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1137	0.6450
11/30/2000	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1246	0.7069
12/1/2000	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1404	0.7969
12/2/2000	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1494	0.8478
12/3/2000	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1559	0.8844
12/4/2000	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1606	0.9112
12/5/2000	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1628	0.9236
12/6/2000	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1649	0.9359
12/7/2000	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1657	0.9403
12/8/2000	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1681	0.9541
12/9/2000	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1706	0.9678
12/10/2000	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1730	0.9816
12/11/2000	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1746	0.9909
12/12/2000	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1738	0.9862
12/13/2000	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1738	0.9862
12/14/2000	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1661	0.9422
12/15/2000	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1561	0.8859
12/16/2000	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1487	0.8435
12/17/2000	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1325	0.7517
12/18/2000	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.1225	0.6949
12/19/2000	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1201	0.6814
12/20/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1195	0.6782
12/21/2000	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1268	0.7197
12/22/2000	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1363	0.7733
12/23/2000	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1403	0.7959
12/24/2000	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1420	0.8056
12/25/2000	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1456	0.8260
12/26/2000	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1493	0.8471
12/27/2000	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1544	0.8763
12/28/2000	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1577	0.8948
12/29/2000	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1591	0.9026
12/30/2000	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1598	0.9066
12/31/2000	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1598	0.9066
1/1/2001	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1620	0.9193
1/2/2001	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1620	0.9193
1/3/2001	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1643	0.9321
1/4/2001	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1674	0.9501
1/5/2001	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1683	0.9547
1/6/2001	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1705	0.9675
1/7/2001	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1713	0.9720
1/8/2001	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1689	0.9583
1/9/2001	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1638	0.9295
1/10/2001	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1609	0.9127
1/11/2001	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1600	0.9081
1/12/2001	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1625	0.9219
1/13/2001	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1684	0.9555
1/14/2001	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1721	0.9768
1/15/2001	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1692	0.9601
1/16/2001	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1646	0.9340
1/17/2001	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1607	0.9119

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
1/18/2001	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1584	0.8986
1/19/2001	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1502	0.8525
1/20/2001	140	A	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.1271	0.7210
1/21/2001	171	A	42.8	29.2	243.0	0.068	0.387	0.000246407	99.6	99.9	0.0521	0.2955	0.1003	0.5693
1/22/2001	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0749	0.4250
1/23/2001	119	A	29.8	20.3	169.1	0.068	0.387	0.000246407	99.6	99.9	0.0748	0.4247	0.0627	0.3557
1/24/2001	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.0682	0.3869
1/25/2001	101	A	25.3	17.3	143.5	0.068	0.387	0.000246407	99.6	99.9	0.0882	0.5004	0.0772	0.4381
1/26/2001	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0851	0.4830
1/27/2001	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0904	0.5127
1/28/2001	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0942	0.5348
1/29/2001	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.0987	0.5601
1/30/2001	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.1002	0.5687
1/31/2001	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.0995	0.5644
2/1/2001	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.0986	0.5597
2/2/2001	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.0980	0.5562
2/3/2001	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1007	0.5714
2/4/2001	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1050	0.5958
2/5/2001	120	A	30.0	20.5	170.5	0.068	0.387	0.000246407	99.6	99.9	0.0742	0.4211	0.0991	0.5623
2/6/2001	161	A	40.3	27.5	228.8	0.068	0.387	0.000246407	99.6	99.9	0.0553	0.3139	0.0870	0.4938
2/7/2001	145	A	36.3	24.8	206.0	0.068	0.387	0.000246407	99.6	99.9	0.0614	0.3485	0.0752	0.4269
2/8/2001	125	A	31.3	21.4	177.6	0.068	0.387	0.000246407	99.6	99.9	0.0713	0.4043	0.0656	0.3720
2/9/2001	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0676	0.3837
2/10/2001	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0748	0.4244
2/11/2001	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0822	0.4662
2/12/2001	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0883	0.5009
2/13/2001	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0899	0.5103
2/14/2001	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0908	0.5150
2/15/2001	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0908	0.5150
2/16/2001	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0895	0.5081
2/17/2001	120	A	30.0	20.5	170.5	0.068	0.387	0.000246407	99.6	99.9	0.0742	0.4211	0.0858	0.4870
2/18/2001	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.0830	0.4711
2/19/2001	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0821	0.4661
2/20/2001	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0821	0.4661
2/21/2001	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0865	0.4910
2/22/2001	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0905	0.5133
2/23/2001	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0902	0.5121
2/24/2001	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0894	0.5070
2/25/2001	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0887	0.5031
2/26/2001	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0854	0.4847
2/27/2001	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.0840	0.4769
2/28/2001	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0849	0.4819
3/1/2001	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0854	0.4845
3/2/2001	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0884	0.5016
3/3/2001	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0909	0.5157
3/4/2001	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0904	0.5131
3/5/2001	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0860	0.4877
3/6/2001	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.0823	0.4668
3/7/2001	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0802	0.4549
3/8/2001	101	A	25.3	17.3	143.5	0.068	0.387	0.000246407	99.6	99.9	0.0882	0.5004	0.0799	0.4536
3/9/2001	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.0842	0.4777
3/10/2001	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0886	0.5027
3/11/2001	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.0927	0.5261
3/12/2001	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.0972	0.5514
3/13/2001	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0936	0.5309
3/14/2001	134	A	33.5	22.9	190.4	0.068	0.387	0.000246407	99.6	99.9	0.0665	0.3771	0.0867	0.4921

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
3/15/2001	120	A	30.0	20.5	170.5	0.068	0.387	0.000246407	99.6	99.9	0.0742	0.4211	0.0805	0.4570
3/16/2001	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.0704	0.3995
3/17/2001	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.0679	0.3854
3/18/2001	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0696	0.3946
3/19/2001	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0711	0.4032
3/20/2001	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.0759	0.4306
3/21/2001	159	A	39.8	27.2	225.9	0.068	0.387	0.000246407	99.6	99.9	0.0560	0.3178	0.0735	0.4172
3/22/2001	358	A	89.5	61.2	508.7	0.068	0.387	0.000246407	99.6	99.9	0.0249	0.1412	0.0615	0.3489
3/23/2001	322	A	80.5	55.0	457.5	0.068	0.387	0.000246407	99.6	99.9	0.0277	0.1569	0.0483	0.2743
3/24/2001	222	A	55.5	37.9	315.4	0.068	0.387	0.000246407	99.6	99.9	0.0401	0.2276	0.0372	0.2109
3/25/2001	181	A	45.3	30.9	257.2	0.068	0.387	0.000246407	99.6	99.9	0.0492	0.2792	0.0355	0.2012
3/26/2001	168	A	42.0	28.7	238.7	0.068	0.387	0.000246407	99.6	99.9	0.0530	0.3008	0.0425	0.2412
3/27/2001	160	A	40.0	27.3	227.3	0.068	0.387	0.000246407	99.6	99.9	0.0557	0.3159	0.0495	0.2809
3/28/2001	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0540	0.3065
3/29/2001	150	A	37.5	25.6	213.1	0.068	0.387	0.000246407	99.6	99.9	0.0594	0.3369	0.0566	0.3210
3/30/2001	198	A	49.5	33.8	281.3	0.068	0.387	0.000246407	99.6	99.9	0.0450	0.2552	0.0546	0.3096
3/31/2001	226	A	56.5	38.6	321.1	0.068	0.387	0.000246407	99.6	99.9	0.0394	0.2236	0.0505	0.2865
4/1/2001	203	A	50.8	34.7	288.4	0.068	0.387	0.000246407	99.6	99.9	0.0439	0.2490	0.0469	0.2662
4/2/2001	179	A	44.8	30.6	254.3	0.068	0.387	0.000246407	99.6	99.9	0.0498	0.2823	0.0445	0.2525
4/3/2001	166	A	41.5	28.4	235.9	0.068	0.387	0.000246407	99.6	99.9	0.0537	0.3044	0.0467	0.2648
4/4/2001	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0514	0.2915
4/5/2001	146	A	36.5	24.9	207.5	0.068	0.387	0.000246407	99.6	99.9	0.0610	0.3461	0.0557	0.3158
4/6/2001	140	A	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.0591	0.3355
4/7/2001	137	A	34.3	23.4	194.7	0.068	0.387	0.000246407	99.6	99.9	0.0650	0.3689	0.0620	0.3516
4/8/2001	135	A	33.8	23.1	191.8	0.068	0.387	0.000246407	99.6	99.9	0.0660	0.3743	0.0639	0.3626
4/9/2001	141	A	35.3	24.1	200.3	0.068	0.387	0.000246407	99.6	99.9	0.0632	0.3584	0.0644	0.3657
4/10/2001	150	A	37.5	25.6	213.1	0.068	0.387	0.000246407	99.6	99.9	0.0594	0.3369	0.0634	0.3596
4/11/2001	155	A	38.8	26.5	220.2	0.068	0.387	0.000246407	99.6	99.9	0.0575	0.3260	0.0615	0.3489
4/12/2001	177	A	44.3	30.2	251.5	0.068	0.387	0.000246407	99.6	99.9	0.0503	0.2855	0.0576	0.3267
4/13/2001	179	A	44.8	30.6	254.3	0.068	0.387	0.000246407	99.6	99.9	0.0498	0.2823	0.0542	0.3077
4/14/2001	164	A	41.0	28.0	233.0	0.068	0.387	0.000246407	99.6	99.9	0.0543	0.3082	0.0530	0.3005
4/15/2001	151	A	37.8	25.8	214.6	0.068	0.387	0.000246407	99.6	99.9	0.0590	0.3347	0.0533	0.3027
4/16/2001	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0558	0.3167
4/17/2001	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0579	0.3287
4/18/2001	144	A	36.0	24.6	204.6	0.068	0.387	0.000246407	99.6	99.9	0.0619	0.3510	0.0598	0.3394
4/19/2001	134	A	33.5	22.9	190.4	0.068	0.387	0.000246407	99.6	99.9	0.0665	0.3771	0.0617	0.3500
4/20/2001	125	A	31.3	21.4	177.6	0.068	0.387	0.000246407	99.6	99.9	0.0713	0.4043	0.0644	0.3657
4/21/2001	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0680	0.3858
4/22/2001	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0706	0.4008
4/23/2001	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0721	0.4092
4/24/2001	131	A	32.8	22.4	186.1	0.068	0.387	0.000246407	99.6	99.9	0.0680	0.3858	0.0713	0.4046
4/25/2001	134	A	33.5	22.9	190.4	0.068	0.387	0.000246407	99.6	99.9	0.0665	0.3771	0.0698	0.3962
4/26/2001	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0700	0.3970
4/27/2001	120	A	30.0	20.5	170.5	0.068	0.387	0.000246407	99.6	99.9	0.0742	0.4211	0.0704	0.3996
4/28/2001	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0723	0.4102
4/29/2001	114	A	28.5	19.5	162.0	0.068	0.387	0.000246407	99.6	99.9	0.0781	0.4433	0.0752	0.4267
4/30/2001	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0767	0.4350
5/1/2001	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0773	0.4386
5/2/2001	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0781	0.4434
5/3/2001	109	A	27.3	18.6	154.9	0.068	0.387	0.000246407	99.6	99.9	0.0817	0.4636	0.0790	0.4484
5/4/2001	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.0807	0.4581
5/5/2001	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.0847	0.4808
5/6/2001	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.0912	0.5176
5/7/2001	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.0973	0.5521
5/8/2001	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1024	0.5811
5/9/2001	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1057	0.5999

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
5/10/2001	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1060	0.6016
5/11/2001	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1070	0.6072
5/12/2001	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1094	0.6209
5/13/2001	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1126	0.6389
5/14/2001	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1162	0.6593
5/15/2001	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1192	0.6763
5/16/2001	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1221	0.6928
5/17/2001	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1242	0.7048
5/18/2001	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1259	0.7145
5/19/2001	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1236	0.7014
5/20/2001	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1190	0.6750
5/21/2001	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.1122	0.6365
5/22/2001	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.1022	0.5798
5/23/2001	140	A	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.0899	0.5101
5/24/2001	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0838	0.4753
5/25/2001	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.0843	0.4785
5/26/2001	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0864	0.4905
5/27/2001	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0924	0.5241
5/28/2001	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.0958	0.5438
5/29/2001	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.0964	0.5472
5/30/2001	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.0990	0.5618
5/31/2001	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1073	0.6086
6/1/2001	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1142	0.6477
6/2/2001	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1148	0.6513
6/3/2001	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.1125	0.6382
6/4/2001	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1109	0.6295
6/5/2001	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1074	0.6095
6/6/2001	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.1048	0.5946
6/7/2001	126	A	31.5	21.5	179.0	0.068	0.387	0.000246407	99.6	99.9	0.0707	0.4011	0.0983	0.5575
6/8/2001	166	A	41.5	28.4	235.9	0.068	0.387	0.000246407	99.6	99.9	0.0537	0.3044	0.0831	0.4716
6/9/2001	132	A	33.0	22.5	187.6	0.068	0.387	0.000246407	99.6	99.9	0.0675	0.3829	0.0722	0.4094
6/10/2001	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0709	0.4023
6/11/2001	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.0791	0.4490
6/12/2001	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.0935	0.5308
6/13/2001	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1049	0.5950
6/14/2001	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1120	0.6355
6/15/2001	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1162	0.6593
6/16/2001	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1181	0.6699
6/17/2001	167	A	41.8	28.5	237.3	0.068	0.387	0.000246407	99.6	99.9	0.0533	0.3026	0.1032	0.5856
6/18/2001	206	A	51.5	35.2	292.7	0.068	0.387	0.000246407	99.6	99.9	0.0432	0.2453	0.0839	0.4762
6/19/2001	134	A	33.5	22.9	190.4	0.068	0.387	0.000246407	99.6	99.9	0.0665	0.3771	0.0704	0.3997
6/20/2001	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0624	0.3539
6/21/2001	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.0741	0.4202
6/22/2001	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0886	0.5025
6/23/2001	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.0961	0.5455
6/24/2001	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.0939	0.5327
6/25/2001	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0926	0.5252
6/26/2001	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.0934	0.5302
6/27/2001	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.0974	0.5528
6/28/2001	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1099	0.6235
6/29/2001	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1185	0.6722
6/30/2001	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1255	0.7121
7/1/2001	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1305	0.7407
7/2/2001	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1305	0.7407
7/3/2001	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1315	0.7462
7/4/2001	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1331	0.7550

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
7/5/2001	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1352	0.7670
7/6/2001	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1339	0.7596
7/7/2001	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1324	0.7515
7/8/2001	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1336	0.7579
7/9/2001	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1353	0.7679
7/10/2001	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1419	0.8054
7/11/2001	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1499	0.8505
7/12/2001	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1614	0.9156
7/13/2001	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1749	0.9921
7/14/2001	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1883	1.0687
7/15/2001	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1992	1.1302
7/16/2001	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2024	1.1486
7/17/2001	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2075	1.1773
7/18/2001	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.2064	1.1709
7/19/2001	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1978	1.1221
7/20/2001	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1966	1.1158
7/21/2001	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1916	1.0870
7/22/2001	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1927	1.0934
7/23/2001	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2013	1.1422
7/24/2001	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2061	1.1696
7/25/2001	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2157	1.2239
7/26/2001	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.2056	1.1665
7/27/2001	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.1792	1.0167
7/28/2001	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1581	0.8971
7/29/2001	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1312	0.7442
7/30/2001	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.1166	0.6614
7/31/2001	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1261	0.7155
8/1/2001	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1357	0.7699
8/2/2001	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1498	0.8501
8/3/2001	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.1782	1.0114
8/4/2001	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2002	1.1358
8/5/2001	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2130	1.2087
8/6/2001	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2213	1.2557
8/7/2001	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2227	1.2634
8/8/2001	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2227	1.2634
8/9/2001	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2272	1.2890
8/10/2001	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2351	1.3342
8/11/2001	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.2084	1.1824
8/12/2001	281	A	70.3	48.0	399.3	0.068	0.387	0.000246407	99.6	99.9	0.0317	0.1798	0.1606	0.9115
8/13/2001	303	A	75.8	51.8	430.5	0.068	0.387	0.000246407	99.6	99.9	0.0294	0.1668	0.1078	0.6117
8/14/2001	548	A	137.0	93.6	778.7	0.068	0.387	0.000246407	99.6	99.9	0.0163	0.0922	0.0483	0.2738
8/15/2001	509	A	127.3	87.0	723.2	0.068	0.387	0.000246407	99.6	99.9	0.0175	0.0993	0.0237	0.1345
8/16/2001	257	A	64.3	43.9	365.2	0.068	0.387	0.000246407	99.6	99.9	0.0347	0.1966	0.0244	0.1387
8/17/2001	166	A	41.5	28.4	235.9	0.068	0.387	0.000246407	99.6	99.9	0.0537	0.3044	0.0305	0.1731
8/18/2001	141	A	35.3	24.1	200.3	0.068	0.387	0.000246407	99.6	99.9	0.0632	0.3584	0.0422	0.2397
8/19/2001	144	A	36.0	24.6	204.6	0.068	0.387	0.000246407	99.6	99.9	0.0619	0.3510	0.0533	0.3026
8/20/2001	171	A	42.8	29.2	243.0	0.068	0.387	0.000246407	99.6	99.9	0.0521	0.2955	0.0577	0.3273
8/21/2001	142	A	35.5	24.3	201.8	0.068	0.387	0.000246407	99.6	99.9	0.0627	0.3559	0.0600	0.3402
8/22/2001	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.0635	0.3605
8/23/2001	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0697	0.3954
8/24/2001	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0785	0.4454
8/25/2001	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0846	0.4803
8/26/2001	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0890	0.5048
8/27/2001	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0926	0.5257
8/28/2001	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0961	0.5454
8/29/2001	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1005	0.5702

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
8/30/2001	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1043	0.5918
8/31/2001	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1068	0.6061
9/1/2001	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1093	0.6205
9/2/2001	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1110	0.6298
9/3/2001	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1136	0.6445
9/4/2001	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1176	0.6671
9/5/2001	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1240	0.7035
9/6/2001	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1327	0.7527
9/7/2001	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1410	0.7998
9/8/2001	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1496	0.8490
9/9/2001	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1566	0.8886
9/10/2001	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1613	0.9155
9/11/2001	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1642	0.9316
9/12/2001	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1649	0.9359
9/13/2001	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1665	0.9449
9/14/2001	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1717	0.9741
9/15/2001	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1778	1.0090
9/16/2001	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1840	1.0438
9/17/2001	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1885	1.0697
9/18/2001	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1895	1.0753
9/19/2001	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1895	1.0753
9/20/2001	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1867	1.0591
9/21/2001	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1783	1.0120
9/22/2001	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1707	0.9688
9/23/2001	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1670	0.9477
9/24/2001	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1709	0.9697
9/25/2001	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1731	0.9820
9/26/2001	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1745	0.9903
9/27/2001	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1804	1.0234
9/28/2001	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1826	1.0358
9/29/2001	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.1943	1.1027
9/30/2001	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2074	1.1769
10/1/2001	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2085	1.1833
10/2/2001	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2085	1.1833
10/3/2001	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2061	1.1696
10/4/2001	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2061	1.1696
10/5/2001	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2126	1.2064
10/6/2001	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2239	1.2702
10/7/2001	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2334	1.3245
10/8/2001	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2393	1.3578
10/9/2001	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2424	1.3754
10/10/2001	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2442	1.3854
10/11/2001	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2495	1.4155
10/12/2001	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2548	1.4456
10/13/2001	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2642	1.4990
10/14/2001	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2724	1.5456
10/15/2001	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2626	1.4898
10/16/2001	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2557	1.4507
10/17/2001	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2579	1.4635
10/18/2001	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2656	1.5071
10/19/2001	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2895	1.6425
10/20/2001	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3104	1.7612
10/21/2001	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3181	1.8049
10/22/2001	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3181	1.8049
10/23/2001	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3181	1.8049
10/24/2001	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3181	1.8049

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
10/25/2001	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3210	1.8216
10/26/2001	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3343	1.8968
10/27/2001	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3475	1.9720
10/28/2001	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3537	2.0067
10/29/2001	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3507	1.9900
10/30/2001	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3347	1.8993
10/31/2001	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.3138	1.7804
11/1/2001	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2977	1.6893
11/2/2001	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2878	1.6329
11/3/2001	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2828	1.6048
11/4/2001	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2828	1.6048
11/5/2001	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2851	1.6175
11/6/2001	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2873	1.6302
11/7/2001	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2873	1.6302
11/8/2001	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2873	1.6302
11/9/2001	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2873	1.6302
11/10/2001	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2873	1.6302
11/11/2001	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2830	1.6055
11/12/2001	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2766	1.5696
11/13/2001	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2703	1.5336
11/14/2001	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2703	1.5336
11/15/2001	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2746	1.5583
11/16/2001	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2810	1.5943
11/17/2001	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2873	1.6302
11/18/2001	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2873	1.6302
11/19/2001	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2923	1.6583
11/20/2001	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2840	1.6118
11/21/2001	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2724	1.5457
11/22/2001	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2608	1.4796
11/23/2001	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2442	1.3854
11/24/2001	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2442	1.3854
11/25/2001	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2476	1.4049
11/26/2001	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2476	1.4049
11/27/2001	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2476	1.4049
11/28/2001	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2442	1.3854
11/29/2001	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2407	1.3659
11/30/2001	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2424	1.3754
12/1/2001	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2424	1.3754
12/2/2001	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2424	1.3754
12/3/2001	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2424	1.3754
12/4/2001	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2407	1.3659
12/5/2001	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2407	1.3659
12/6/2001	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2407	1.3659
12/7/2001	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2407	1.3659
12/8/2001	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2376	1.3484
12/9/2001	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.2248	1.2757
12/10/2001	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.2141	1.2150
12/11/2001	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.2024	1.1482
12/12/2001	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1926	1.0930
12/13/2001	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1947	1.1050
12/14/2001	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1959	1.1114
12/15/2001	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2005	1.1375
12/16/2001	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2088	1.1846
12/17/2001	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2149	1.2197
12/18/2001	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.2127	1.2072
12/19/2001	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2103	1.1935

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
12/20/2001	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2149	1.2191
12/21/2001	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2267	1.2861
12/22/2001	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2437	1.3831
12/23/2001	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2586	1.4675
12/24/2001	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.2502	1.4199
12/25/2001	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2358	1.3378
12/26/2001	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2259	1.2821
12/27/2001	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2191	1.2430
12/28/2001	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2291	1.3001
12/29/2001	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2363	1.3408
12/30/2001	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2425	1.3759
12/31/2001	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2494	1.4150
1/1/2002	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2530	1.4356
1/2/2002	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2583	1.4657
1/3/2002	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2583	1.4657
1/4/2002	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2530	1.4356
1/5/2002	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2477	1.4055
1/6/2002	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.2296	1.3027
1/7/2002	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1987	1.1272
1/8/2002	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1790	1.0155
1/9/2002	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.1706	0.9678
1/10/2002	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.1789	1.0149
1/11/2002	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2009	1.1402
1/12/2002	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2148	1.2186
1/13/2002	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.2125	1.2056
1/14/2002	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2139	1.2137
1/15/2002	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2227	1.2638
1/16/2002	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2339	1.3273
1/17/2002	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2499	1.4181
1/18/2002	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2583	1.4657
1/19/2002	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2536	1.4387
1/20/2002	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.2293	1.3011
1/21/2002	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.2093	1.1874
1/22/2002	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.1968	1.1166
1/23/2002	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.1954	1.1085
1/24/2002	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2098	1.1904
1/25/2002	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2174	1.2333
1/26/2002	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2229	1.2650
1/27/2002	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2275	1.2906
1/28/2002	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2320	1.3162
1/29/2002	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2426	1.3764
1/30/2002	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2558	1.4515
1/31/2002	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2674	1.5176
2/1/2002	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2709	1.5371
2/2/2002	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2769	1.5709
2/3/2002	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2746	1.5582
2/4/2002	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2683	1.5222
2/5/2002	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2814	1.5969
2/6/2002	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2861	1.6232
2/7/2002	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2695	1.5292
2/8/2002	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.2524	1.4323
2/9/2002	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2313	1.3125
2/10/2002	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2142	1.2153
2/11/2002	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2183	1.2384
2/12/2002	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2335	1.3247
2/13/2002	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2414	1.3699

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
2/14/2002	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2518	1.4288
2/15/2002	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2665	1.5124
2/16/2002	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2725	1.5462
2/17/2002	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2744	1.5568
2/18/2002	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2765	1.5688
2/19/2002	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2765	1.5688
2/20/2002	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2787	1.5815
2/21/2002	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2807	1.5928
2/22/2002	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2830	1.6055
2/23/2002	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2807	1.5928
2/24/2002	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2785	1.5801
2/25/2002	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2828	1.6048
2/26/2002	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2878	1.6329
2/27/2002	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2924	1.6592
2/28/2002	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3053	1.7323
3/1/2002	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3130	1.7760
3/2/2002	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3157	1.7915
3/3/2002	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.2889	1.6392
3/4/2002	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2570	1.4584
3/5/2002	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2361	1.3397
3/6/2002	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2184	1.2394
3/7/2002	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2385	1.3534
3/8/2002	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2647	1.5020
3/9/2002	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2803	1.5906
3/10/2002	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2859	1.6225
3/11/2002	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2953	1.6753
3/12/2002	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2980	1.6909
3/13/2002	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2840	1.6112
3/14/2002	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2671	1.5155
3/15/2002	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2474	1.4038
3/16/2002	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2281	1.2940
3/17/2002	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2297	1.3035
3/18/2002	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.2175	1.2342
3/19/2002	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1963	1.1140
3/20/2002	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1739	0.9867
3/21/2002	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1448	0.8215
3/22/2002	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1469	0.8334
3/23/2002	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1574	0.8929
3/24/2002	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1670	0.9475
3/25/2002	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1816	1.0306
3/26/2002	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1885	1.0697
3/27/2002	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1749	0.9922
3/28/2002	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1652	0.9376
3/29/2002	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1624	0.9214
3/30/2002	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1605	0.9105
3/31/2002	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1620	0.9190
4/1/2002	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.1433	0.8129
4/2/2002	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.1212	0.6878
4/3/2002	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1059	0.6007
4/4/2002	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1034	0.5868
4/5/2002	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1181	0.6703
4/6/2002	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1304	0.7401
4/7/2002	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1362	0.7731
4/8/2002	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1409	0.7997
4/9/2002	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1437	0.8154
4/10/2002	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1398	0.7935

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
4/11/2002	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1362	0.7728
4/12/2002	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1340	0.7601
4/13/2002	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1302	0.7388
4/14/2002	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1325	0.7518
4/15/2002	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1340	0.7602
4/16/2002	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1329	0.7544
4/17/2002	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1361	0.7723
4/18/2002	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1388	0.7876
4/19/2002	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1422	0.8067
4/20/2002	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1480	0.8398
4/21/2002	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1518	0.8616
4/22/2002	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1513	0.8584
4/23/2002	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1513	0.8584
4/24/2002	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1513	0.8584
4/25/2002	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1433	0.8133
4/26/2002	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1422	0.8071
4/27/2002	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1435	0.8143
4/28/2002	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.1261	0.7154
4/29/2002	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.1151	0.6529
4/30/2002	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1105	0.6270
5/1/2002	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1039	0.5897
5/2/2002	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.1046	0.5934
5/3/2002	131	A	32.8	22.4	186.1	0.068	0.387	0.000246407	99.6	99.9	0.0680	0.3858	0.1008	0.5717
5/4/2002	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0948	0.5377
5/5/2002	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0883	0.5008
5/6/2002	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.0931	0.5285
5/7/2002	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1047	0.5940
5/8/2002	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1103	0.6259
5/9/2002	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1155	0.6554
5/10/2002	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1202	0.6818
5/11/2002	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1234	0.7003
5/12/2002	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1279	0.7255
5/13/2002	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1321	0.7498
5/14/2002	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1313	0.7448
5/15/2002	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1348	0.7649
5/16/2002	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1388	0.7876
5/17/2002	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1445	0.8199
5/18/2002	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1513	0.8585
5/19/2002	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1508	0.8554
5/20/2002	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1501	0.8518
5/21/2002	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1487	0.8438
5/22/2002	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1564	0.8875
5/23/2002	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1690	0.9589
5/24/2002	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1803	1.0230
5/25/2002	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1918	1.0885
5/26/2002	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1970	1.1178
5/27/2002	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2002	1.1361
5/28/2002	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2024	1.1486
5/29/2002	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.2036	1.1552
5/30/2002	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2087	1.1840
5/31/2002	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2182	1.2383
6/1/2002	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2295	1.3021
6/2/2002	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2413	1.3693
6/3/2002	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2511	1.4250
6/4/2002	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2564	1.4551
6/5/2002	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2601	1.4758

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
6/6/2002	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2566	1.4563
6/7/2002	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.2385	1.3535
6/8/2002	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2261	1.2827
6/9/2002	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2207	1.2526
6/10/2002	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2261	1.2827
6/11/2002	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2529	1.4350
6/12/2002	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.2890	1.6396
6/13/2002	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3144	1.7840
6/14/2002	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3284	1.8637
6/15/2002	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.3144	1.7840
6/16/2002	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2872	1.6296
6/17/2002	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2634	1.4946
6/18/2002	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2494	1.4150
6/19/2002	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2588	1.4683
6/20/2002	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2764	1.5686
6/21/2002	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2941	1.6689
6/22/2002	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3111	1.7652
6/23/2002	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3427	1.9447
6/24/2002	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3644	2.0677
6/25/2002	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3861	2.1908
6/26/2002	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4097	2.3245
6/27/2002	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4198	2.3819
6/28/2002	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4299	2.4393
6/29/2002	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4400	2.4968
6/30/2002	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4453	2.5269
7/1/2002	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4453	2.5269
7/2/2002	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4453	2.5269
7/3/2002	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.4650	2.6383
7/4/2002	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.4846	2.7498
7/5/2002	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.5043	2.8613
7/6/2002	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.5239	2.9728
7/7/2002	15	A	3.8	2.6	21.3	0.068	0.387	0.000246407	99.6	99.9	0.5938	3.3691	0.5414	3.0719
7/8/2002	14	A	3.5	2.4	19.9	0.068	0.387	0.000246407	99.6	99.9	0.6362	3.6098	0.5694	3.2311
7/9/2002	12	A	3.0	2.0	17.1	0.068	0.387	0.000246407	99.6	99.9	0.7422	4.2114	0.6240	3.5408
7/10/2002	12	A	3.0	2.0	17.1	0.068	0.387	0.000246407	99.6	99.9	0.7422	4.2114	0.6786	3.8504
7/11/2002	12	A	3.0	2.0	17.1	0.068	0.387	0.000246407	99.6	99.9	0.7422	4.2114	0.7157	4.0610
7/12/2002	12	A	3.0	2.0	17.1	0.068	0.387	0.000246407	99.6	99.9	0.7422	4.2114	0.7422	4.2114
7/13/2002	12	A	3.0	2.0	17.1	0.068	0.387	0.000246407	99.6	99.9	0.7422	4.2114	0.7422	4.2114
7/14/2002	12	A	3.0	2.0	17.1	0.068	0.387	0.000246407	99.6	99.9	0.7422	4.2114	0.7422	4.2114
7/15/2002	12	A	3.0	2.0	17.1	0.068	0.387	0.000246407	99.6	99.9	0.7422	4.2114	0.7422	4.2114
7/16/2002	12	A	3.0	2.0	17.1	0.068	0.387	0.000246407	99.6	99.9	0.7422	4.2114	0.7422	4.2114
7/17/2002	12	A	3.0	2.0	17.1	0.068	0.387	0.000246407	99.6	99.9	0.7422	4.2114	0.7422	4.2114
7/18/2002	12	A	3.0	2.0	17.1	0.068	0.387	0.000246407	99.6	99.9	0.7422	4.2114	0.7422	4.2114
7/19/2002	12	A	3.0	2.0	17.1	0.068	0.387	0.000246407	99.6	99.9	0.7422	4.2114	0.7422	4.2114
7/20/2002	12	A	3.0	2.0	17.1	0.068	0.387	0.000246407	99.6	99.9	0.7422	4.2114	0.7422	4.2114
7/21/2002	12	A	3.0	2.0	17.1	0.068	0.387	0.000246407	99.6	99.9	0.7422	4.2114	0.7422	4.2114
7/22/2002	12	A	3.0	2.0	17.1	0.068	0.387	0.000246407	99.6	99.9	0.7422	4.2114	0.7422	4.2114
7/23/2002	12	A	3.0	2.0	17.1	0.068	0.387	0.000246407	99.6	99.9	0.7422	4.2114	0.7422	4.2114
7/24/2002	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.6627	3.7602
7/25/2002	14	A	3.5	2.4	19.9	0.068	0.387	0.000246407	99.6	99.9	0.6362	3.6098	0.6362	3.6098
7/26/2002	12	A	3.0	2.0	17.1	0.068	0.387	0.000246407	99.6	99.9	0.7422	4.2114	0.6362	3.6098
7/27/2002	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.5518	3.1312
7/28/2002	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.4976	2.8234
7/29/2002	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.4128	2.3421
7/30/2002	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.3509	1.9912
7/31/2002	15	A	3.8	2.6	21.3	0.068	0.387	0.000246407	99.6	99.9	0.5938	3.3691	0.3981	2.2592

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
8/1/2002	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.4773	2.7085
8/2/2002	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.5341	3.0306
8/3/2002	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.5496	3.1183
8/4/2002	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.5403	3.0657
8/5/2002	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.5265	2.9874
8/6/2002	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.5347	3.0339
8/7/2002	15	A	3.8	2.6	21.3	0.068	0.387	0.000246407	99.6	99.9	0.5938	3.3691	0.5440	3.0865
8/8/2002	13	A	3.3	2.2	18.5	0.068	0.387	0.000246407	99.6	99.9	0.6851	3.8875	0.5761	3.2688
8/9/2002	12	A	3.0	2.0	17.1	0.068	0.387	0.000246407	99.6	99.9	0.7422	4.2114	0.6444	3.6567
8/10/2002	9.7	A	2.4	1.7	13.8	0.068	0.387	0.000246407	99.6	99.9	0.9182	5.2100	0.7348	4.1695
8/11/2002	9.7	A	2.4	1.7	13.8	0.068	0.387	0.000246407	99.6	99.9	0.9182	5.2100	0.8159	4.6297
8/12/2002	9.7	A	2.4	1.7	13.8	0.068	0.387	0.000246407	99.6	99.9	0.9182	5.2100	0.8742	4.9604
8/13/2002	9.7	A	2.4	1.7	13.8	0.068	0.387	0.000246407	99.6	99.9	0.9182	5.2100	0.9182	5.2100
8/14/2002	9.5	A	2.4	1.6	13.5	0.068	0.387	0.000246407	99.6	99.9	0.9375	5.3197	0.9230	5.2374
8/15/2002	11	A	2.8	1.9	15.6	0.068	0.387	0.000246407	99.6	99.9	0.8097	4.5943	0.8959	5.0835
8/16/2002	13	A	3.3	2.2	18.5	0.068	0.387	0.000246407	99.6	99.9	0.6851	3.8875	0.8376	4.7529
8/17/2002	14	A	3.5	2.4	19.9	0.068	0.387	0.000246407	99.6	99.9	0.6362	3.6098	0.7671	4.3528
8/18/2002	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.6719	3.8125
8/19/2002	14	A	3.5	2.4	19.9	0.068	0.387	0.000246407	99.6	99.9	0.6362	3.6098	0.6285	3.5664
8/20/2002	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.5964	3.3842
8/21/2002	14	A	3.5	2.4	19.9	0.068	0.387	0.000246407	99.6	99.9	0.6362	3.6098	0.5964	3.3842
8/22/2002	12	A	3.0	2.0	17.1	0.068	0.387	0.000246407	99.6	99.9	0.7422	4.2114	0.6428	3.6474
8/23/2002	12	A	3.0	2.0	17.1	0.068	0.387	0.000246407	99.6	99.9	0.7422	4.2114	0.6693	3.7978
8/24/2002	13	A	3.3	2.2	18.5	0.068	0.387	0.000246407	99.6	99.9	0.6851	3.8875	0.7014	3.9800
8/25/2002	14	A	3.5	2.4	19.9	0.068	0.387	0.000246407	99.6	99.9	0.6362	3.6098	0.7014	3.9800
8/26/2002	14	A	3.5	2.4	19.9	0.068	0.387	0.000246407	99.6	99.9	0.6362	3.6098	0.6749	3.8296
8/27/2002	14	A	3.5	2.4	19.9	0.068	0.387	0.000246407	99.6	99.9	0.6362	3.6098	0.6484	3.6792
8/28/2002	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.6163	3.4970
8/29/2002	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.5057	2.8692
8/30/2002	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.4291	2.4347
8/31/2002	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.3814	2.1640
9/1/2002	300	A	75.0	51.2	426.3	0.068	0.387	0.000246407	99.6	99.9	0.0297	0.1685	0.2496	1.4164
9/2/2002	536	A	134.0	91.6	761.6	0.068	0.387	0.000246407	99.6	99.9	0.0166	0.0943	0.2054	1.1653
9/3/2002	239	A	59.8	40.8	339.6	0.068	0.387	0.000246407	99.6	99.9	0.0373	0.2115	0.1322	0.7503
9/4/2002	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.0411	0.2334
9/5/2002	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.0630	0.3575
9/6/2002	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.0936	0.5314
9/7/2002	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1208	0.6856
9/8/2002	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1377	0.7813
9/9/2002	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1475	0.8368
9/10/2002	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1555	0.8823
9/11/2002	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1602	0.9092
9/12/2002	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1643	0.9326
9/13/2002	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1689	0.9586
9/14/2002	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1698	0.9634
9/15/2002	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1676	0.9511
9/16/2002	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1542	0.8750
9/17/2002	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1399	0.7936
9/18/2002	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1333	0.7564
9/19/2002	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1347	0.7645
9/20/2002	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1481	0.8405
9/21/2002	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1601	0.9082
9/22/2002	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1642	0.9316
9/23/2002	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1674	0.9496
9/24/2002	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1698	0.9634
9/25/2002	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1722	0.9772

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
9/26/2002	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1738	0.9862
9/27/2002	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1699	0.9640
9/28/2002	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1675	0.9503
9/29/2002	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1675	0.9503
9/30/2002	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1683	0.9550
10/1/2002	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1722	0.9772
10/2/2002	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1746	0.9909
10/3/2002	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1774	1.0064
10/4/2002	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1832	1.0394
10/5/2002	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1901	1.0788
10/6/2002	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1971	1.1183
10/7/2002	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2013	1.1422
10/8/2002	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2024	1.1486
10/9/2002	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2024	1.1486
10/10/2002	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2024	1.1486
10/11/2002	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1793	1.0174
10/12/2002	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.1497	0.8495
10/13/2002	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1273	0.7222
10/14/2002	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1115	0.6325
10/15/2002	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1245	0.7062
10/16/2002	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1300	0.7375
10/17/2002	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.1224	0.6945
10/18/2002	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1138	0.6457
10/19/2002	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1066	0.6046
10/20/2002	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1133	0.6428
10/21/2002	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1275	0.7232
10/22/2002	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1396	0.7924
10/23/2002	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1442	0.8180
10/24/2002	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1500	0.8510
10/25/2002	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1543	0.8753
10/26/2002	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1424	0.8079
10/27/2002	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.1299	0.7373
10/28/2002	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1202	0.6819
10/29/2002	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1104	0.6265
10/30/2002	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.1040	0.5899
10/31/2002	143	A	35.8	24.4	203.2	0.068	0.387	0.000246407	99.6	99.9	0.0623	0.3534	0.0942	0.5347
11/1/2002	144	A	36.0	24.6	204.6	0.068	0.387	0.000246407	99.6	99.9	0.0619	0.3510	0.0804	0.4562
11/2/2002	138	A	34.5	23.6	196.1	0.068	0.387	0.000246407	99.6	99.9	0.0645	0.3662	0.0672	0.3815
11/3/2002	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.0714	0.4050
11/4/2002	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0811	0.4602
11/5/2002	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.0915	0.5194
11/6/2002	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0964	0.5470
11/7/2002	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0932	0.5289
11/8/2002	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.0911	0.5169
11/9/2002	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.0899	0.5104
11/10/2002	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.0954	0.5416
11/11/2002	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0997	0.5660
11/12/2002	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0976	0.5536
11/13/2002	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0874	0.4957
11/14/2002	174	A	43.5	29.7	247.2	0.068	0.387	0.000246407	99.6	99.9	0.0512	0.2904	0.0737	0.4180
11/15/2002	162	A	40.5	27.7	230.2	0.068	0.387	0.000246407	99.6	99.9	0.0550	0.3120	0.0621	0.3524
11/16/2002	158	A	39.5	27.0	224.5	0.068	0.387	0.000246407	99.6	99.9	0.0564	0.3199	0.0552	0.3131
11/17/2002	245	A	61.3	41.9	348.1	0.068	0.387	0.000246407	99.6	99.9	0.0364	0.2063	0.0497	0.2821
11/18/2002	423	A	105.8	72.3	601.0	0.068	0.387	0.000246407	99.6	99.9	0.0211	0.1195	0.0422	0.2394
11/19/2002	350	A	87.5	59.8	497.3	0.068	0.387	0.000246407	99.6	99.9	0.0254	0.1444	0.0348	0.1975
11/20/2002	272	A	68.0	46.5	386.5	0.068	0.387	0.000246407	99.6	99.9	0.0327	0.1858	0.0289	0.1640

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
11/21/2002	204	A	51.0	34.8	289.9	0.068	0.387	0.000246407	99.6	99.9	0.0437	0.2477	0.0307	0.1743
11/22/2002	233	A	58.3	39.8	331.1	0.068	0.387	0.000246407	99.6	99.9	0.0382	0.2169	0.0350	0.1987
11/23/2002	281	A	70.3	48.0	399.3	0.068	0.387	0.000246407	99.6	99.9	0.0317	0.1798	0.0366	0.2076
11/24/2002	243	A	60.8	41.5	345.3	0.068	0.387	0.000246407	99.6	99.9	0.0367	0.2080	0.0376	0.2131
11/25/2002	204	A	51.0	34.8	289.9	0.068	0.387	0.000246407	99.6	99.9	0.0437	0.2477	0.0376	0.2131
11/26/2002	191	A	47.8	32.6	271.4	0.068	0.387	0.000246407	99.6	99.9	0.0466	0.2646	0.0397	0.2250
11/27/2002	186	A	46.5	31.8	264.3	0.068	0.387	0.000246407	99.6	99.9	0.0479	0.2717	0.0437	0.2480
11/28/2002	179	A	44.8	30.6	254.3	0.068	0.387	0.000246407	99.6	99.9	0.0498	0.2823	0.0470	0.2666
11/29/2002	165	A	41.3	28.2	234.4	0.068	0.387	0.000246407	99.6	99.9	0.0540	0.3063	0.0496	0.2812
11/30/2002	162	A	40.5	27.7	230.2	0.068	0.387	0.000246407	99.6	99.9	0.0550	0.3120	0.0516	0.2931
12/1/2002	154	A	38.5	26.3	218.8	0.068	0.387	0.000246407	99.6	99.9	0.0578	0.3282	0.0541	0.3072
12/2/2002	145	A	36.3	24.8	206.0	0.068	0.387	0.000246407	99.6	99.9	0.0614	0.3485	0.0571	0.3237
12/3/2002	139	A	34.8	23.7	197.5	0.068	0.387	0.000246407	99.6	99.9	0.0641	0.3636	0.0596	0.3381
12/4/2002	135	A	33.8	23.1	191.8	0.068	0.387	0.000246407	99.6	99.9	0.0660	0.3743	0.0623	0.3537
12/5/2002	143	A	35.8	24.4	203.2	0.068	0.387	0.000246407	99.6	99.9	0.0623	0.3534	0.0634	0.3600
12/6/2002	155	A	38.8	26.5	220.2	0.068	0.387	0.000246407	99.6	99.9	0.0575	0.3260	0.0624	0.3543
12/7/2002	154	A	38.5	26.3	218.8	0.068	0.387	0.000246407	99.6	99.9	0.0578	0.3282	0.0609	0.3455
12/8/2002	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0594	0.3373
12/9/2002	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0589	0.3343
12/10/2002	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0596	0.3381
12/11/2002	152	A	38.0	26.0	216.0	0.068	0.387	0.000246407	99.6	99.9	0.0586	0.3325	0.0598	0.3392
12/12/2002	198	A	49.5	33.8	281.3	0.068	0.387	0.000246407	99.6	99.9	0.0450	0.2552	0.0560	0.3177
12/13/2002	215	A	53.8	36.7	305.5	0.068	0.387	0.000246407	99.6	99.9	0.0414	0.2351	0.0513	0.2911
12/14/2002	213	A	53.3	36.4	302.7	0.068	0.387	0.000246407	99.6	99.9	0.0418	0.2373	0.0467	0.2650
12/15/2002	222	A	55.5	37.9	315.4	0.068	0.387	0.000246407	99.6	99.9	0.0401	0.2276	0.0421	0.2388
12/16/2002	201	A	50.3	34.3	285.6	0.068	0.387	0.000246407	99.6	99.9	0.0443	0.2514	0.0419	0.2378
12/17/2002	178	A	44.5	30.4	252.9	0.068	0.387	0.000246407	99.6	99.9	0.0500	0.2839	0.0441	0.2501
12/18/2002	166	A	41.5	28.4	235.9	0.068	0.387	0.000246407	99.6	99.9	0.0537	0.3044	0.0470	0.2669
12/19/2002	154	A	38.5	26.3	218.8	0.068	0.387	0.000246407	99.6	99.9	0.0578	0.3282	0.0515	0.2920
12/20/2002	162	A	40.5	27.7	230.2	0.068	0.387	0.000246407	99.6	99.9	0.0550	0.3120	0.0541	0.3071
12/21/2002	176	A	44.0	30.1	250.1	0.068	0.387	0.000246407	99.6	99.9	0.0506	0.2871	0.0543	0.3079
12/22/2002	174	A	43.5	29.7	247.2	0.068	0.387	0.000246407	99.6	99.9	0.0512	0.2904	0.0537	0.3044
12/23/2002	158	A	39.5	27.0	224.5	0.068	0.387	0.000246407	99.6	99.9	0.0564	0.3199	0.0533	0.3023
12/24/2002	152	A	38.0	26.0	216.0	0.068	0.387	0.000246407	99.6	99.9	0.0586	0.3325	0.0542	0.3075
12/25/2002	167	A	41.8	28.5	237.3	0.068	0.387	0.000246407	99.6	99.9	0.0533	0.3026	0.0549	0.3113
12/26/2002	178	A	44.5	30.4	252.9	0.068	0.387	0.000246407	99.6	99.9	0.0500	0.2839	0.0546	0.3097
12/27/2002	172	A	43.0	29.4	244.4	0.068	0.387	0.000246407	99.6	99.9	0.0518	0.2938	0.0534	0.3032
12/28/2002	158	A	39.5	27.0	224.5	0.068	0.387	0.000246407	99.6	99.9	0.0564	0.3199	0.0529	0.3001
12/29/2002	157	A	39.3	26.8	223.1	0.068	0.387	0.000246407	99.6	99.9	0.0567	0.3219	0.0537	0.3049
12/30/2002	149	A	37.3	25.5	211.7	0.068	0.387	0.000246407	99.6	99.9	0.0598	0.3392	0.0562	0.3187
12/31/2002	139	A	34.8	23.7	197.5	0.068	0.387	0.000246407	99.6	99.9	0.0641	0.3636	0.0592	0.3361
1/1/2003	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0602	0.3415
1/2/2003	157	A	39.3	26.8	223.1	0.068	0.387	0.000246407	99.6	99.9	0.0567	0.3219	0.0602	0.3415
1/3/2003	157	A	39.3	26.8	223.1	0.068	0.387	0.000246407	99.6	99.9	0.0567	0.3219	0.0594	0.3372
1/4/2003	157	A	39.3	26.8	223.1	0.068	0.387	0.000246407	99.6	99.9	0.0567	0.3219	0.0576	0.3268
1/5/2003	156	A	39.0	26.6	221.7	0.068	0.387	0.000246407	99.6	99.9	0.0571	0.3240	0.0568	0.3224
1/6/2003	146	A	36.5	24.9	207.5	0.068	0.387	0.000246407	99.6	99.9	0.0610	0.3461	0.0579	0.3285
1/7/2003	138	A	34.5	23.6	196.1	0.068	0.387	0.000246407	99.6	99.9	0.0645	0.3662	0.0598	0.3396
1/8/2003	133	A	33.3	22.7	189.0	0.068	0.387	0.000246407	99.6	99.9	0.0670	0.3800	0.0624	0.3541
1/9/2003	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0653	0.3703
1/10/2003	129	A	32.3	22.0	183.3	0.068	0.387	0.000246407	99.6	99.9	0.0690	0.3918	0.0673	0.3817
1/11/2003	120	A	30.0	20.5	170.5	0.068	0.387	0.000246407	99.6	99.9	0.0742	0.4211	0.0697	0.3954
1/12/2003	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0721	0.4093
1/13/2003	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0747	0.4239
1/14/2003	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0763	0.4331
1/15/2003	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0770	0.4367

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
1/16/2003	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0775	0.4396
1/17/2003	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.0768	0.4358
1/18/2003	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.0773	0.4386
1/19/2003	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0789	0.4477
1/20/2003	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.0804	0.4563
1/21/2003	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0822	0.4663
1/22/2003	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0844	0.4791
1/23/2003	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0866	0.4913
1/24/2003	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0893	0.5068
1/25/2003	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0925	0.5246
1/26/2003	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0948	0.5378
1/27/2003	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0953	0.5405
1/28/2003	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.0961	0.5451
1/29/2003	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0974	0.5528
1/30/2003	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0988	0.5605
1/31/2003	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.0995	0.5649
2/1/2003	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0949	0.5383
2/2/2003	132	A	33.0	22.5	187.6	0.068	0.387	0.000246407	99.6	99.9	0.0675	0.3829	0.0864	0.4904
2/3/2003	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.0795	0.4513
2/4/2003	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0742	0.4210
2/5/2003	124	A	31.0	21.2	176.2	0.068	0.387	0.000246407	99.6	99.9	0.0718	0.4076	0.0721	0.4091
2/6/2003	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.0755	0.4282
2/7/2003	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.0764	0.4337
2/8/2003	114	A	28.5	19.5	162.0	0.068	0.387	0.000246407	99.6	99.9	0.0781	0.4433	0.0771	0.4374
2/9/2003	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0798	0.4525
2/10/2003	109	A	27.3	18.6	154.9	0.068	0.387	0.000246407	99.6	99.9	0.0817	0.4636	0.0799	0.4536
2/11/2003	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0798	0.4526
2/12/2003	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0810	0.4599
2/13/2003	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.0818	0.4644
2/14/2003	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0837	0.4748
2/15/2003	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0837	0.4748
2/16/2003	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.0792	0.4496
2/17/2003	181	A	45.3	30.9	257.2	0.068	0.387	0.000246407	99.6	99.9	0.0492	0.2792	0.0701	0.3980
2/18/2003	202	A	50.5	34.5	287.0	0.068	0.387	0.000246407	99.6	99.9	0.0441	0.2502	0.0589	0.3342
2/19/2003	203	A	50.8	34.7	288.4	0.068	0.387	0.000246407	99.6	99.9	0.0439	0.2490	0.0507	0.2875
2/20/2003	193	A	48.3	33.0	274.2	0.068	0.387	0.000246407	99.6	99.9	0.0461	0.2619	0.0458	0.2600
2/21/2003	199	A	49.8	34.0	282.8	0.068	0.387	0.000246407	99.6	99.9	0.0448	0.2540	0.0447	0.2537
2/22/2003	272	A	68.0	46.5	386.5	0.068	0.387	0.000246407	99.6	99.9	0.0327	0.1858	0.0419	0.2376
2/23/2003	613	A	153.3	104.7	871.0	0.068	0.387	0.000246407	99.6	99.9	0.0145	0.0824	0.0345	0.1960
2/24/2003	578	A	144.5	98.7	821.3	0.068	0.387	0.000246407	99.6	99.9	0.0154	0.0874	0.0269	0.1524
2/25/2003	359	A	89.8	61.3	510.1	0.068	0.387	0.000246407	99.6	99.9	0.0248	0.1408	0.0219	0.1241
2/26/2003	276	A	69.0	47.1	392.2	0.068	0.387	0.000246407	99.6	99.9	0.0323	0.1831	0.0218	0.1234
2/27/2003	243	A	60.8	41.5	345.3	0.068	0.387	0.000246407	99.6	99.9	0.0367	0.2080	0.0273	0.1548
2/28/2003	244	A	61.0	41.7	346.7	0.068	0.387	0.000246407	99.6	99.9	0.0365	0.2071	0.0326	0.1847
3/1/2003	228	A	57.0	38.9	324.0	0.068	0.387	0.000246407	99.6	99.9	0.0391	0.2217	0.0361	0.2050
3/2/2003	227	A	56.8	38.8	322.5	0.068	0.387	0.000246407	99.6	99.9	0.0392	0.2226	0.0379	0.2148
3/3/2003	265	A	66.3	45.3	376.5	0.068	0.387	0.000246407	99.6	99.9	0.0336	0.1907	0.0371	0.2105
3/4/2003	245	A	61.3	41.9	348.1	0.068	0.387	0.000246407	99.6	99.9	0.0364	0.2063	0.0371	0.2103
3/5/2003	235	A	58.8	40.1	333.9	0.068	0.387	0.000246407	99.6	99.9	0.0379	0.2151	0.0368	0.2087
3/6/2003	285	A	71.3	48.7	405.0	0.068	0.387	0.000246407	99.6	99.9	0.0313	0.1773	0.0348	0.1973
3/7/2003	325	A	81.3	55.5	461.8	0.068	0.387	0.000246407	99.6	99.9	0.0274	0.1555	0.0332	0.1885
3/8/2003	270	A	67.5	46.1	383.6	0.068	0.387	0.000246407	99.6	99.9	0.0330	0.1872	0.0324	0.1838
3/9/2003	215	A	53.8	36.7	305.5	0.068	0.387	0.000246407	99.6	99.9	0.0414	0.2351	0.0333	0.1888
3/10/2003	188	A	47.0	32.1	267.1	0.068	0.387	0.000246407	99.6	99.9	0.0474	0.2688	0.0373	0.2116
3/11/2003	174	A	43.5	29.7	247.2	0.068	0.387	0.000246407	99.6	99.9	0.0512	0.2904	0.0432	0.2454
3/12/2003	165	A	41.3	28.2	234.4	0.068	0.387	0.000246407	99.6	99.9	0.0540	0.3063	0.0485	0.2751

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
3/13/2003	161	A	40.3	27.5	228.8	0.068	0.387	0.000246407	99.6	99.9	0.0553	0.3139	0.0520	0.2949
3/14/2003	155	A	38.8	26.5	220.2	0.068	0.387	0.000246407	99.6	99.9	0.0575	0.3260	0.0545	0.3092
3/15/2003	146	A	36.5	24.9	207.5	0.068	0.387	0.000246407	99.6	99.9	0.0610	0.3461	0.0569	0.3231
3/16/2003	143	A	35.8	24.4	203.2	0.068	0.387	0.000246407	99.6	99.9	0.0623	0.3534	0.0590	0.3349
3/17/2003	163	A	40.8	27.8	231.6	0.068	0.387	0.000246407	99.6	99.9	0.0546	0.3100	0.0588	0.3339
3/18/2003	186	A	46.5	31.8	264.3	0.068	0.387	0.000246407	99.6	99.9	0.0479	0.2717	0.0565	0.3203
3/19/2003	175	A	43.8	29.9	248.7	0.068	0.387	0.000246407	99.6	99.9	0.0509	0.2888	0.0539	0.3060
3/20/2003	159	A	39.8	27.2	225.9	0.068	0.387	0.000246407	99.6	99.9	0.0560	0.3178	0.0524	0.2971
3/21/2003	176	A	44.0	30.1	250.1	0.068	0.387	0.000246407	99.6	99.9	0.0506	0.2871	0.0513	0.2914
3/22/2003	181	A	45.3	30.9	257.2	0.068	0.387	0.000246407	99.6	99.9	0.0492	0.2792	0.0517	0.2932
3/23/2003	166	A	41.5	28.4	235.9	0.068	0.387	0.000246407	99.6	99.9	0.0537	0.3044	0.0524	0.2972
3/24/2003	147	A	36.8	25.1	208.9	0.068	0.387	0.000246407	99.6	99.9	0.0606	0.3438	0.0535	0.3036
3/25/2003	186	A	46.5	31.8	264.3	0.068	0.387	0.000246407	99.6	99.9	0.0479	0.2717	0.0528	0.2998
3/26/2003	221	A	55.3	37.8	314.0	0.068	0.387	0.000246407	99.6	99.9	0.0403	0.2287	0.0506	0.2872
3/27/2003	220	A	55.0	37.6	312.6	0.068	0.387	0.000246407	99.6	99.9	0.0405	0.2297	0.0473	0.2685
3/28/2003	222	A	55.5	37.9	315.4	0.068	0.387	0.000246407	99.6	99.9	0.0401	0.2276	0.0422	0.2394
3/29/2003	223	A	55.8	38.1	316.9	0.068	0.387	0.000246407	99.6	99.9	0.0399	0.2266	0.0402	0.2282
3/30/2003	295	A	73.8	50.4	419.2	0.068	0.387	0.000246407	99.6	99.9	0.0302	0.1713	0.0377	0.2138
3/31/2003	306	A	76.5	52.3	434.8	0.068	0.387	0.000246407	99.6	99.9	0.0291	0.1652	0.0348	0.1977
4/1/2003	267	A	66.8	45.6	379.4	0.068	0.387	0.000246407	99.6	99.9	0.0334	0.1893	0.0331	0.1881
4/2/2003	224	A	56.0	38.3	318.3	0.068	0.387	0.000246407	99.6	99.9	0.0398	0.2256	0.0331	0.1878
4/3/2003	225	A	56.3	38.4	319.7	0.068	0.387	0.000246407	99.6	99.9	0.0396	0.2246	0.0355	0.2012
4/4/2003	205	A	51.3	35.0	291.3	0.068	0.387	0.000246407	99.6	99.9	0.0434	0.2465	0.0390	0.2215
4/5/2003	194	A	48.5	33.1	275.7	0.068	0.387	0.000246407	99.6	99.9	0.0459	0.2605	0.0422	0.2393
4/6/2003	208	A	52.0	35.5	295.5	0.068	0.387	0.000246407	99.6	99.9	0.0428	0.2430	0.0429	0.2436
4/7/2003	215	A	53.8	36.7	305.5	0.068	0.387	0.000246407	99.6	99.9	0.0414	0.2351	0.0434	0.2463
4/8/2003	231	A	57.8	39.5	328.2	0.068	0.387	0.000246407	99.6	99.9	0.0386	0.2188	0.0422	0.2393
4/9/2003	269	A	67.3	46.0	382.2	0.068	0.387	0.000246407	99.6	99.9	0.0331	0.1879	0.0390	0.2212
4/10/2003	373	A	93.3	63.7	530.0	0.068	0.387	0.000246407	99.6	99.9	0.0239	0.1355	0.0342	0.1943
4/11/2003	499	A	124.8	85.2	709.0	0.068	0.387	0.000246407	99.6	99.9	0.0178	0.1013	0.0283	0.1609
4/12/2003	648	A	162.1	110.7	920.7	0.068	0.387	0.000246407	99.6	99.9	0.0137	0.0780	0.0221	0.1257
4/13/2003	575	A	143.8	98.2	817.0	0.068	0.387	0.000246407	99.6	99.9	0.0155	0.0879	0.0177	0.1007
4/14/2003	417	A	104.3	71.2	592.5	0.068	0.387	0.000246407	99.6	99.9	0.0214	0.1212	0.0171	0.0971
4/15/2003	343	A	85.8	58.6	487.4	0.068	0.387	0.000246407	99.6	99.9	0.0260	0.1473	0.0191	0.1086
4/16/2003	317	A	79.3	54.2	450.4	0.068	0.387	0.000246407	99.6	99.9	0.0281	0.1594	0.0227	0.1290
4/17/2003	282	A	70.5	48.2	400.7	0.068	0.387	0.000246407	99.6	99.9	0.0316	0.1792	0.0268	0.1518
4/18/2003	272	A	68.0	46.5	386.5	0.068	0.387	0.000246407	99.6	99.9	0.0327	0.1858	0.0296	0.1679
4/19/2003	265	A	66.3	45.3	376.5	0.068	0.387	0.000246407	99.6	99.9	0.0336	0.1907	0.0315	0.1788
4/20/2003	262	A	65.5	44.8	372.3	0.068	0.387	0.000246407	99.6	99.9	0.0340	0.1929	0.0330	0.1872
4/21/2003	249	A	62.3	42.5	353.8	0.068	0.387	0.000246407	99.6	99.9	0.0358	0.2030	0.0340	0.1931
4/22/2003	244	A	61.0	41.7	346.7	0.068	0.387	0.000246407	99.6	99.9	0.0365	0.2071	0.0350	0.1984
4/23/2003	244	A	61.0	41.7	346.7	0.068	0.387	0.000246407	99.6	99.9	0.0365	0.2071	0.0357	0.2025
4/24/2003	236	A	59.0	40.3	335.3	0.068	0.387	0.000246407	99.6	99.9	0.0377	0.2141	0.0366	0.2078
4/25/2003	221	A	55.3	37.8	314.0	0.068	0.387	0.000246407	99.6	99.9	0.0403	0.2287	0.0378	0.2143
4/26/2003	227	A	56.8	38.8	322.5	0.068	0.387	0.000246407	99.6	99.9	0.0392	0.2226	0.0384	0.2181
4/27/2003	227	A	56.8	38.8	322.5	0.068	0.387	0.000246407	99.6	99.9	0.0392	0.2226	0.0391	0.2220
4/28/2003	217	A	54.3	37.1	308.3	0.068	0.387	0.000246407	99.6	99.9	0.0410	0.2329	0.0400	0.2267
4/29/2003	208	A	52.0	35.5	295.5	0.068	0.387	0.000246407	99.6	99.9	0.0428	0.2430	0.0406	0.2303
4/30/2003	206	A	51.5	35.2	292.7	0.068	0.387	0.000246407	99.6	99.9	0.0432	0.2453	0.0416	0.2360
5/1/2003	201	A	50.3	34.3	285.6	0.068	0.387	0.000246407	99.6	99.9	0.0443	0.2514	0.0429	0.2432
5/2/2003	195	A	48.8	33.3	277.1	0.068	0.387	0.000246407	99.6	99.9	0.0457	0.2592	0.0440	0.2497
5/3/2003	193	A	48.3	33.0	274.2	0.068	0.387	0.000246407	99.6	99.9	0.0461	0.2619	0.0448	0.2544
5/4/2003	190	A	47.5	32.5	270.0	0.068	0.387	0.000246407	99.6	99.9	0.0469	0.2660	0.0458	0.2596
5/5/2003	184	A	46.0	31.4	261.4	0.068	0.387	0.000246407	99.6	99.9	0.0484	0.2747	0.0468	0.2654
5/6/2003	180	A	45.0	30.7	255.8	0.068	0.387	0.000246407	99.6	99.9	0.0495	0.2808	0.0477	0.2708
5/7/2003	181	A	45.3	30.9	257.2	0.068	0.387	0.000246407	99.6	99.9	0.0492	0.2792	0.0485	0.2752

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
5/8/2003	189	A	47.3	32.3	268.6	0.068	0.387	0.000246407	99.6	99.9	0.0471	0.2674	0.0486	0.2755
5/9/2003	182	A	45.5	31.1	258.6	0.068	0.387	0.000246407	99.6	99.9	0.0489	0.2777	0.0487	0.2763
5/10/2003	179	A	44.8	30.6	254.3	0.068	0.387	0.000246407	99.6	99.9	0.0498	0.2823	0.0488	0.2767
5/11/2003	172	A	43.0	29.4	244.4	0.068	0.387	0.000246407	99.6	99.9	0.0518	0.2938	0.0494	0.2803
5/12/2003	162	A	40.5	27.7	230.2	0.068	0.387	0.000246407	99.6	99.9	0.0550	0.3120	0.0514	0.2914
5/13/2003	152	A	38.0	26.0	216.0	0.068	0.387	0.000246407	99.6	99.9	0.0586	0.3325	0.0538	0.3051
5/14/2003	151	A	37.8	25.8	214.6	0.068	0.387	0.000246407	99.6	99.9	0.0590	0.3347	0.0561	0.3182
5/15/2003	151	A	37.8	25.8	214.6	0.068	0.387	0.000246407	99.6	99.9	0.0590	0.3347	0.0579	0.3285
5/16/2003	214	A	53.5	36.6	304.1	0.068	0.387	0.000246407	99.6	99.9	0.0416	0.2362	0.0545	0.3095
5/17/2003	297	A	74.3	50.7	422.0	0.068	0.387	0.000246407	99.6	99.9	0.0300	0.1702	0.0474	0.2689
5/18/2003	260	A	65.0	44.4	369.4	0.068	0.387	0.000246407	99.6	99.9	0.0343	0.1944	0.0412	0.2338
5/19/2003	224	A	56.0	38.3	318.3	0.068	0.387	0.000246407	99.6	99.9	0.0398	0.2256	0.0364	0.2066
5/20/2003	198	A	49.5	33.8	281.3	0.068	0.387	0.000246407	99.6	99.9	0.0450	0.2552	0.0372	0.2113
5/21/2003	189	A	47.3	32.3	268.6	0.068	0.387	0.000246407	99.6	99.9	0.0471	0.2674	0.0415	0.2357
5/22/2003	214	A	53.5	36.6	304.1	0.068	0.387	0.000246407	99.6	99.9	0.0416	0.2362	0.0434	0.2461
5/23/2003	225	A	56.3	38.4	319.7	0.068	0.387	0.000246407	99.6	99.9	0.0396	0.2246	0.0433	0.2458
5/24/2003	227	A	56.8	38.8	322.5	0.068	0.387	0.000246407	99.6	99.9	0.0392	0.2226	0.0419	0.2377
5/25/2003	224	A	56.0	38.3	318.3	0.068	0.387	0.000246407	99.6	99.9	0.0398	0.2256	0.0400	0.2273
5/26/2003	223	A	55.8	38.1	316.9	0.068	0.387	0.000246407	99.6	99.9	0.0399	0.2266	0.0396	0.2249
5/27/2003	246	A	61.5	42.0	349.5	0.068	0.387	0.000246407	99.6	99.9	0.0362	0.2054	0.0388	0.2201
5/28/2003	234	A	58.5	40.0	332.5	0.068	0.387	0.000246407	99.6	99.9	0.0381	0.2160	0.0385	0.2184
5/29/2003	236	A	59.0	40.3	335.3	0.068	0.387	0.000246407	99.6	99.9	0.0377	0.2141	0.0380	0.2155
5/30/2003	249	A	62.3	42.5	353.8	0.068	0.387	0.000246407	99.6	99.9	0.0358	0.2030	0.0369	0.2096
5/31/2003	227	A	56.8	38.8	322.5	0.068	0.387	0.000246407	99.6	99.9	0.0392	0.2226	0.0377	0.2139
6/1/2003	210	A	52.5	35.9	298.4	0.068	0.387	0.000246407	99.6	99.9	0.0424	0.2407	0.0388	0.2201
6/2/2003	198	A	49.5	33.8	281.3	0.068	0.387	0.000246407	99.6	99.9	0.0450	0.2552	0.0406	0.2304
6/3/2003	181	A	45.3	30.9	257.2	0.068	0.387	0.000246407	99.6	99.9	0.0492	0.2792	0.0440	0.2494
6/4/2003	180	A	45.0	30.7	255.8	0.068	0.387	0.000246407	99.6	99.9	0.0495	0.2808	0.0465	0.2640
6/5/2003	194	A	48.5	33.1	275.7	0.068	0.387	0.000246407	99.6	99.9	0.0459	0.2605	0.0474	0.2689
6/6/2003	191	A	47.8	32.6	271.4	0.068	0.387	0.000246407	99.6	99.9	0.0466	0.2646	0.0478	0.2713
6/7/2003	222	A	55.5	37.9	315.4	0.068	0.387	0.000246407	99.6	99.9	0.0401	0.2276	0.0455	0.2584
6/8/2003	466	A	116.5	79.6	662.1	0.068	0.387	0.000246407	99.6	99.9	0.0191	0.1084	0.0379	0.2153
6/9/2003	472	A	118.0	80.6	670.7	0.068	0.387	0.000246407	99.6	99.9	0.0189	0.1071	0.0312	0.1769
6/10/2003	297	A	74.3	50.7	422.0	0.068	0.387	0.000246407	99.6	99.9	0.0300	0.1702	0.0270	0.1533
6/11/2003	220	A	55.0	37.6	312.6	0.068	0.387	0.000246407	99.6	99.9	0.0405	0.2297	0.0271	0.1538
6/12/2003	188	A	47.0	32.1	267.1	0.068	0.387	0.000246407	99.6	99.9	0.0474	0.2688	0.0342	0.1939
6/13/2003	187	A	46.8	31.9	265.7	0.068	0.387	0.000246407	99.6	99.9	0.0476	0.2703	0.0414	0.2347
6/14/2003	176	A	44.0	30.1	250.1	0.068	0.387	0.000246407	99.6	99.9	0.0506	0.2871	0.0465	0.2640
6/15/2003	162	A	40.5	27.7	230.2	0.068	0.387	0.000246407	99.6	99.9	0.0550	0.3120	0.0501	0.2845
6/16/2003	134	A	33.5	22.9	190.4	0.068	0.387	0.000246407	99.6	99.9	0.0665	0.3771	0.0549	0.3116
6/17/2003	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0581	0.3294
6/18/2003	163	A	40.8	27.8	231.6	0.068	0.387	0.000246407	99.6	99.9	0.0546	0.3100	0.0591	0.3352
6/19/2003	187	A	46.8	31.9	265.7	0.068	0.387	0.000246407	99.6	99.9	0.0476	0.2703	0.0572	0.3247
6/20/2003	206	A	51.5	35.2	292.7	0.068	0.387	0.000246407	99.6	99.9	0.0432	0.2453	0.0514	0.2918
6/21/2003	184	A	46.0	31.4	261.4	0.068	0.387	0.000246407	99.6	99.9	0.0484	0.2747	0.0485	0.2751
6/22/2003	176	A	44.0	30.1	250.1	0.068	0.387	0.000246407	99.6	99.9	0.0506	0.2871	0.0475	0.2693
6/23/2003	165	A	41.3	28.2	234.4	0.068	0.387	0.000246407	99.6	99.9	0.0540	0.3063	0.0491	0.2784
6/24/2003	164	A	41.0	28.0	233.0	0.068	0.387	0.000246407	99.6	99.9	0.0543	0.3082	0.0518	0.2941
6/25/2003	133	A	33.3	22.7	189.0	0.068	0.387	0.000246407	99.6	99.9	0.0670	0.3800	0.0565	0.3204
6/26/2003	126	A	31.5	21.5	179.0	0.068	0.387	0.000246407	99.6	99.9	0.0707	0.4011	0.0615	0.3489
6/27/2003	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0690	0.3915
6/28/2003	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.0816	0.4631
6/29/2003	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0902	0.5117
6/30/2003	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0941	0.5341
7/1/2003	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.0993	0.5635
7/2/2003	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1059	0.6007

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
7/3/2003	167	A	41.8	28.5	237.3	0.068	0.387	0.000246407	99.6	99.9	0.0533	0.3026	0.0939	0.5328
7/4/2003	194	A	48.5	33.1	275.7	0.068	0.387	0.000246407	99.6	99.9	0.0459	0.2605	0.0837	0.4752
7/5/2003	156	A	39.0	26.6	221.7	0.068	0.387	0.000246407	99.6	99.9	0.0571	0.3240	0.0718	0.4076
7/6/2003	127	A	31.8	21.7	180.5	0.068	0.387	0.000246407	99.6	99.9	0.0701	0.3979	0.0566	0.3213
7/7/2003	147	A	36.8	25.1	208.9	0.068	0.387	0.000246407	99.6	99.9	0.0606	0.3438	0.0584	0.3315
7/8/2003	135	A	33.8	23.1	191.8	0.068	0.387	0.000246407	99.6	99.9	0.0660	0.3743	0.0634	0.3600
7/9/2003	126	A	31.5	21.5	179.0	0.068	0.387	0.000246407	99.6	99.9	0.0707	0.4011	0.0668	0.3793
7/10/2003	151	A	37.8	25.8	214.6	0.068	0.387	0.000246407	99.6	99.9	0.0590	0.3347	0.0641	0.3635
7/11/2003	160	A	40.0	27.3	227.3	0.068	0.387	0.000246407	99.6	99.9	0.0557	0.3159	0.0628	0.3565
7/12/2003	140	A	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.0622	0.3532
7/13/2003	127	A	31.8	21.7	180.5	0.068	0.387	0.000246407	99.6	99.9	0.0701	0.3979	0.0621	0.3524
7/14/2003	189	A	47.3	32.3	268.6	0.068	0.387	0.000246407	99.6	99.9	0.0471	0.2674	0.0591	0.3355
7/15/2003	587	A	146.8	100.3	834.1	0.068	0.387	0.000246407	99.6	99.9	0.0152	0.0861	0.0490	0.2781
7/16/2003	383	A	95.8	65.4	544.2	0.068	0.387	0.000246407	99.6	99.9	0.0233	0.1320	0.0389	0.2208
7/17/2003	246	A	61.5	42.0	349.5	0.068	0.387	0.000246407	99.6	99.9	0.0362	0.2054	0.0304	0.1727
7/18/2003	190	A	47.5	32.5	270.0	0.068	0.387	0.000246407	99.6	99.9	0.0469	0.2660	0.0304	0.1724
7/19/2003	180	A	45.0	30.7	255.8	0.068	0.387	0.000246407	99.6	99.9	0.0495	0.2808	0.0390	0.2210
7/20/2003	172	A	43.0	29.4	244.4	0.068	0.387	0.000246407	99.6	99.9	0.0518	0.2938	0.0461	0.2615
7/21/2003	166	A	41.5	28.4	235.9	0.068	0.387	0.000246407	99.6	99.9	0.0537	0.3044	0.0504	0.2863
7/22/2003	142	A	35.5	24.3	201.8	0.068	0.387	0.000246407	99.6	99.9	0.0627	0.3559	0.0544	0.3087
7/23/2003	127	A	31.8	21.7	180.5	0.068	0.387	0.000246407	99.6	99.9	0.0701	0.3979	0.0596	0.3380
7/24/2003	142	A	35.5	24.3	201.8	0.068	0.387	0.000246407	99.6	99.9	0.0627	0.3559	0.0623	0.3535
7/25/2003	139	A	34.8	23.7	197.5	0.068	0.387	0.000246407	99.6	99.9	0.0641	0.3636	0.0649	0.3683
7/26/2003	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0664	0.3765
7/27/2003	120	A	30.0	20.5	170.5	0.068	0.387	0.000246407	99.6	99.9	0.0742	0.4211	0.0674	0.3823
7/28/2003	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0706	0.4004
7/29/2003	126	A	31.5	21.5	179.0	0.068	0.387	0.000246407	99.6	99.9	0.0707	0.4011	0.0722	0.4098
7/30/2003	143	A	35.8	24.4	203.2	0.068	0.387	0.000246407	99.6	99.9	0.0623	0.3534	0.0707	0.4010
7/31/2003	139	A	34.8	23.7	197.5	0.068	0.387	0.000246407	99.6	99.9	0.0641	0.3636	0.0681	0.3866
8/1/2003	131	A	32.8	22.4	186.1	0.068	0.387	0.000246407	99.6	99.9	0.0680	0.3858	0.0663	0.3760
8/2/2003	120	A	30.0	20.5	170.5	0.068	0.387	0.000246407	99.6	99.9	0.0742	0.4211	0.0671	0.3810
8/3/2003	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0704	0.3997
8/4/2003	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0733	0.4159
8/5/2003	129	A	32.3	22.0	183.3	0.068	0.387	0.000246407	99.6	99.9	0.0690	0.3918	0.0736	0.4174
8/6/2003	185	A	46.3	31.6	262.9	0.068	0.387	0.000246407	99.6	99.9	0.0481	0.2732	0.0670	0.3804
8/7/2003	195	A	48.8	33.3	277.1	0.068	0.387	0.000246407	99.6	99.9	0.0457	0.2592	0.0596	0.3381
8/8/2003	195	A	48.8	33.3	277.1	0.068	0.387	0.000246407	99.6	99.9	0.0457	0.2592	0.0521	0.2958
8/9/2003	188	A	47.0	32.1	267.1	0.068	0.387	0.000246407	99.6	99.9	0.0474	0.2688	0.0467	0.2651
8/10/2003	172	A	43.0	29.4	244.4	0.068	0.387	0.000246407	99.6	99.9	0.0518	0.2938	0.0476	0.2702
8/11/2003	166	A	41.5	28.4	235.9	0.068	0.387	0.000246407	99.6	99.9	0.0537	0.3044	0.0496	0.2816
8/12/2003	156	A	39.0	26.6	221.7	0.068	0.387	0.000246407	99.6	99.9	0.0571	0.3240	0.0525	0.2978
8/13/2003	184	A	46.0	31.4	261.4	0.068	0.387	0.000246407	99.6	99.9	0.0484	0.2747	0.0527	0.2992
8/14/2003	188	A	47.0	32.1	267.1	0.068	0.387	0.000246407	99.6	99.9	0.0474	0.2688	0.0516	0.2930
8/15/2003	164	A	41.0	28.0	233.0	0.068	0.387	0.000246407	99.6	99.9	0.0543	0.3082	0.0518	0.2939
8/16/2003	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0526	0.2983
8/17/2003	169	A	42.3	28.9	240.1	0.068	0.387	0.000246407	99.6	99.9	0.0527	0.2990	0.0536	0.3044
8/18/2003	169	A	42.3	28.9	240.1	0.068	0.387	0.000246407	99.6	99.9	0.0527	0.2990	0.0550	0.3119
8/19/2003	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0559	0.3175
8/20/2003	147	A	36.8	25.1	208.9	0.068	0.387	0.000246407	99.6	99.9	0.0606	0.3438	0.0561	0.3180
8/21/2003	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.0592	0.3362
8/22/2003	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0632	0.3586
8/23/2003	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0667	0.3788
8/24/2003	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0697	0.3955
8/25/2003	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0725	0.4115
8/26/2003	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0751	0.4262
8/27/2003	114	A	28.5	19.5	162.0	0.068	0.387	0.000246407	99.6	99.9	0.0781	0.4433	0.0765	0.4343

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
8/28/2003	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0758	0.4303
8/29/2003	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0758	0.4303
8/30/2003	132	A	33.0	22.5	187.6	0.068	0.387	0.000246407	99.6	99.9	0.0675	0.3829	0.0730	0.4142
8/31/2003	165	A	41.3	28.2	234.4	0.068	0.387	0.000246407	99.6	99.9	0.0540	0.3063	0.0670	0.3799
9/1/2003	147	A	36.8	25.1	208.9	0.068	0.387	0.000246407	99.6	99.9	0.0606	0.3438	0.0647	0.3671
9/2/2003	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0638	0.3618
9/3/2003	158	A	39.5	27.0	224.5	0.068	0.387	0.000246407	99.6	99.9	0.0564	0.3199	0.0610	0.3460
9/4/2003	199	A	49.8	34.0	282.8	0.068	0.387	0.000246407	99.6	99.9	0.0448	0.2540	0.0587	0.3330
9/5/2003	229	A	57.3	39.1	325.4	0.068	0.387	0.000246407	99.6	99.9	0.0389	0.2207	0.0533	0.3022
9/6/2003	197	A	49.3	33.7	279.9	0.068	0.387	0.000246407	99.6	99.9	0.0452	0.2565	0.0463	0.2628
9/7/2003	152	A	38.0	26.0	216.0	0.068	0.387	0.000246407	99.6	99.9	0.0586	0.3325	0.0469	0.2659
9/8/2003	135	A	33.8	23.1	191.8	0.068	0.387	0.000246407	99.6	99.9	0.0660	0.3743	0.0522	0.2960
9/9/2003	129	A	32.3	22.0	183.3	0.068	0.387	0.000246407	99.6	99.9	0.0690	0.3918	0.0597	0.3388
9/10/2003	124	A	31.0	21.2	176.2	0.068	0.387	0.000246407	99.6	99.9	0.0718	0.4076	0.0664	0.3765
9/11/2003	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0698	0.3961
9/12/2003	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0707	0.4013
9/13/2003	147	A	36.8	25.1	208.9	0.068	0.387	0.000246407	99.6	99.9	0.0606	0.3438	0.0686	0.3893
9/14/2003	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0657	0.3727
9/15/2003	163	A	40.8	27.8	231.6	0.068	0.387	0.000246407	99.6	99.9	0.0546	0.3100	0.0612	0.3475
9/16/2003	140	Ae	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.0598	0.3391
9/17/2003	110	Ae	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.0649	0.3680
9/18/2003	110	Ae	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.0700	0.3975
9/19/2003	200	Ae	50.0	34.2	284.2	0.068	0.387	0.000246407	99.6	99.9	0.0445	0.2527	0.0675	0.3831
9/20/2003	340	Ae	85.0	58.1	483.1	0.068	0.387	0.000246407	99.6	99.9	0.0262	0.1486	0.0582	0.3300
9/21/2003	150	Ae	37.5	25.6	213.1	0.068	0.387	0.000246407	99.6	99.9	0.0594	0.3369	0.0528	0.2994
9/22/2003	110	Ae	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.0528	0.2994
9/23/2003	144	A	36.0	24.6	204.6	0.068	0.387	0.000246407	99.6	99.9	0.0619	0.3510	0.0571	0.3240
9/24/2003	177	A	44.3	30.2	251.5	0.068	0.387	0.000246407	99.6	99.9	0.0503	0.2855	0.0631	0.3582
9/25/2003	192	A	48.0	32.8	272.8	0.068	0.387	0.000246407	99.6	99.9	0.0464	0.2632	0.0599	0.3398
9/26/2003	158	A	39.5	27.0	224.5	0.068	0.387	0.000246407	99.6	99.9	0.0564	0.3199	0.0537	0.3049
9/27/2003	144	A	36.0	24.6	204.6	0.068	0.387	0.000246407	99.6	99.9	0.0619	0.3510	0.0537	0.3049
9/28/2003	142	A	35.5	24.3	201.8	0.068	0.387	0.000246407	99.6	99.9	0.0627	0.3559	0.0568	0.3225
9/29/2003	144	A	36.0	24.6	204.6	0.068	0.387	0.000246407	99.6	99.9	0.0619	0.3510	0.0607	0.3444
9/30/2003	140	A	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.0625	0.3547
10/1/2003	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0644	0.3657
10/2/2003	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0676	0.3838
10/3/2003	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0710	0.4031
10/4/2003	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0740	0.4199
10/5/2003	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0755	0.4283
10/6/2003	114	A	28.5	19.5	162.0	0.068	0.387	0.000246407	99.6	99.9	0.0781	0.4433	0.0761	0.4320
10/7/2003	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0770	0.4368
10/8/2003	109	A	27.3	18.6	154.9	0.068	0.387	0.000246407	99.6	99.9	0.0817	0.4636	0.0785	0.4456
10/9/2003	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.0809	0.4589
10/10/2003	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0832	0.4719
10/11/2003	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.0847	0.4804
10/12/2003	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0839	0.4763
10/13/2003	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0844	0.4787
10/14/2003	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0848	0.4811
10/15/2003	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0817	0.4635
10/16/2003	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0812	0.4606
10/17/2003	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0796	0.4518
10/18/2003	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.0788	0.4469
10/19/2003	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.0832	0.4718
10/20/2003	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0869	0.4932
10/21/2003	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.0916	0.5197
10/22/2003	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.0961	0.5452

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
10/23/2003	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1007	0.5716
10/24/2003	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1056	0.5993
10/25/2003	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1087	0.6168
10/26/2003	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1107	0.6279
10/27/2003	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1097	0.6224
10/28/2003	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.1058	0.6003
10/29/2003	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0930	0.5278
10/30/2003	202	A	50.5	34.5	287.0	0.068	0.387	0.000246407	99.6	99.9	0.0441	0.2502	0.0762	0.4324
10/31/2003	193	A	48.3	33.0	274.2	0.068	0.387	0.000246407	99.6	99.9	0.0461	0.2619	0.0615	0.3492
11/1/2003	152	A	38.0	26.0	216.0	0.068	0.387	0.000246407	99.6	99.9	0.0586	0.3325	0.0523	0.2965
11/2/2003	135	A	33.8	23.1	191.8	0.068	0.387	0.000246407	99.6	99.9	0.0660	0.3743	0.0537	0.3047
11/3/2003	125	A	31.3	21.4	177.6	0.068	0.387	0.000246407	99.6	99.9	0.0713	0.4043	0.0605	0.3432
11/4/2003	119	A	29.8	20.3	169.1	0.068	0.387	0.000246407	99.6	99.9	0.0748	0.4247	0.0677	0.3840
11/5/2003	114	A	28.5	19.5	162.0	0.068	0.387	0.000246407	99.6	99.9	0.0781	0.4433	0.0725	0.4117
11/6/2003	147	A	36.8	25.1	208.9	0.068	0.387	0.000246407	99.6	99.9	0.0606	0.3438	0.0712	0.4040
11/7/2003	210	A	52.5	35.9	298.4	0.068	0.387	0.000246407	99.6	99.9	0.0424	0.2407	0.0640	0.3631
11/8/2003	206	A	51.5	35.2	292.7	0.068	0.387	0.000246407	99.6	99.9	0.0432	0.2453	0.0561	0.3183
11/9/2003	206	A	51.5	35.2	292.7	0.068	0.387	0.000246407	99.6	99.9	0.0432	0.2453	0.0474	0.2688
11/10/2003	206	A	51.5	35.2	292.7	0.068	0.387	0.000246407	99.6	99.9	0.0432	0.2453	0.0430	0.2442
11/11/2003	189	A	47.3	32.3	268.6	0.068	0.387	0.000246407	99.6	99.9	0.0471	0.2674	0.0442	0.2508
11/12/2003	185	A	46.3	31.6	262.9	0.068	0.387	0.000246407	99.6	99.9	0.0481	0.2732	0.0454	0.2578
11/13/2003	189	A	47.3	32.3	268.6	0.068	0.387	0.000246407	99.6	99.9	0.0471	0.2674	0.0464	0.2633
11/14/2003	191	A	47.8	32.6	271.4	0.068	0.387	0.000246407	99.6	99.9	0.0466	0.2646	0.0473	0.2681
11/15/2003	181	A	45.3	30.9	257.2	0.068	0.387	0.000246407	99.6	99.9	0.0492	0.2792	0.0478	0.2711
11/16/2003	171	A	42.8	29.2	243.0	0.068	0.387	0.000246407	99.6	99.9	0.0521	0.2955	0.0488	0.2767
11/17/2003	162	A	40.5	27.7	230.2	0.068	0.387	0.000246407	99.6	99.9	0.0550	0.3120	0.0507	0.2878
11/18/2003	152	A	38.0	26.0	216.0	0.068	0.387	0.000246407	99.6	99.9	0.0586	0.3325	0.0537	0.3048
11/19/2003	170	A	42.5	29.0	241.6	0.068	0.387	0.000246407	99.6	99.9	0.0524	0.2973	0.0545	0.3093
11/20/2003	343	A	85.8	58.6	487.4	0.068	0.387	0.000246407	99.6	99.9	0.0260	0.1473	0.0480	0.2723
11/21/2003	417	A	104.3	71.2	592.5	0.068	0.387	0.000246407	99.6	99.9	0.0214	0.1212	0.0396	0.2246
11/22/2003	288	A	72.0	49.2	409.2	0.068	0.387	0.000246407	99.6	99.9	0.0309	0.1755	0.0327	0.1853
11/23/2003	236	A	59.0	40.3	335.3	0.068	0.387	0.000246407	99.6	99.9	0.0377	0.2141	0.0290	0.1645
11/24/2003	218	A	54.5	37.2	309.8	0.068	0.387	0.000246407	99.6	99.9	0.0409	0.2318	0.0327	0.1857
11/25/2003	202	A	50.5	34.5	287.0	0.068	0.387	0.000246407	99.6	99.9	0.0441	0.2502	0.0384	0.2179
11/26/2003	192	A	48.0	32.8	272.8	0.068	0.387	0.000246407	99.6	99.9	0.0464	0.2632	0.0423	0.2398
11/27/2003	182	A	45.5	31.1	258.6	0.068	0.387	0.000246407	99.6	99.9	0.0489	0.2777	0.0451	0.2557
11/28/2003	171	A	42.8	29.2	243.0	0.068	0.387	0.000246407	99.6	99.9	0.0521	0.2955	0.0479	0.2717
11/29/2003	172	A	43.0	29.4	244.4	0.068	0.387	0.000246407	99.6	99.9	0.0518	0.2938	0.0498	0.2826
11/30/2003	170	A	42.5	29.0	241.6	0.068	0.387	0.000246407	99.6	99.9	0.0524	0.2973	0.0513	0.2911
12/1/2003	165	A	41.3	28.2	234.4	0.068	0.387	0.000246407	99.6	99.9	0.0540	0.3063	0.0526	0.2982
12/2/2003	160	A	40.0	27.3	227.3	0.068	0.387	0.000246407	99.6	99.9	0.0557	0.3159	0.0535	0.3033
12/3/2003	156	A	39.0	26.6	221.7	0.068	0.387	0.000246407	99.6	99.9	0.0571	0.3240	0.0548	0.3108
12/4/2003	146	A	36.5	24.9	207.5	0.068	0.387	0.000246407	99.6	99.9	0.0610	0.3461	0.0569	0.3231
12/5/2003	188	A	47.0	32.1	267.1	0.068	0.387	0.000246407	99.6	99.9	0.0474	0.2688	0.0553	0.3137
12/6/2003	288	A	72.0	49.2	409.2	0.068	0.387	0.000246407	99.6	99.9	0.0309	0.1755	0.0491	0.2786
12/7/2003	317	A	79.3	54.2	450.4	0.068	0.387	0.000246407	99.6	99.9	0.0281	0.1594	0.0418	0.2375
12/8/2003	267	A	66.8	45.6	379.4	0.068	0.387	0.000246407	99.6	99.9	0.0334	0.1893	0.0349	0.1982
12/9/2003	224	A	56.0	38.3	318.3	0.068	0.387	0.000246407	99.6	99.9	0.0398	0.2256	0.0330	0.1874
12/10/2003	197	A	49.3	33.7	279.9	0.068	0.387	0.000246407	99.6	99.9	0.0452	0.2565	0.0366	0.2077
12/11/2003	328	A	82.0	56.0	466.1	0.068	0.387	0.000246407	99.6	99.9	0.0272	0.1541	0.0364	0.2064
12/12/2003	507	A	126.8	86.6	720.4	0.068	0.387	0.000246407	99.6	99.9	0.0176	0.0997	0.0324	0.1840
12/13/2003	334	A	83.5	57.1	474.6	0.068	0.387	0.000246407	99.6	99.9	0.0267	0.1513	0.0291	0.1654
12/14/2003	290	A	72.5	49.5	412.1	0.068	0.387	0.000246407	99.6	99.9	0.0307	0.1743	0.0255	0.1448
12/15/2003	450	A	112.5	76.9	639.4	0.068	0.387	0.000246407	99.6	99.9	0.0198	0.1123	0.0237	0.1344
12/16/2003	296	A	74.0	50.6	420.6	0.068	0.387	0.000246407	99.6	99.9	0.0301	0.1707	0.0268	0.1522
12/17/2003	191	A	47.8	32.6	271.4	0.068	0.387	0.000246407	99.6	99.9	0.0466	0.2646	0.0318	0.1805

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
12/18/2003	174	A	43.5	29.7	247.2	0.068	0.387	0.000246407	99.6	99.9	0.0512	0.2904	0.0369	0.2095
12/19/2003	209	A	52.3	35.7	297.0	0.068	0.387	0.000246407	99.6	99.9	0.0426	0.2418	0.0426	0.2419
12/20/2003	255	A	63.8	43.6	362.3	0.068	0.387	0.000246407	99.6	99.9	0.0349	0.1982	0.0438	0.2488
12/21/2003	237	A	59.3	40.5	336.8	0.068	0.387	0.000246407	99.6	99.9	0.0376	0.2132	0.0416	0.2359
12/22/2003	223	A	55.8	38.1	316.9	0.068	0.387	0.000246407	99.6	99.9	0.0399	0.2266	0.0388	0.2200
12/23/2003	208	A	52.0	35.5	295.5	0.068	0.387	0.000246407	99.6	99.9	0.0428	0.2430	0.0388	0.2203
12/24/2003	262	A	65.5	44.8	372.3	0.068	0.387	0.000246407	99.6	99.9	0.0340	0.1929	0.0386	0.2189
12/25/2003	461	A	115.3	78.8	655.0	0.068	0.387	0.000246407	99.6	99.9	0.0193	0.1096	0.0340	0.1930
12/26/2003	348	A	87.0	59.4	494.5	0.068	0.387	0.000246407	99.6	99.9	0.0256	0.1452	0.0304	0.1727
12/27/2003	278	A	69.5	47.5	395.0	0.068	0.387	0.000246407	99.6	99.9	0.0320	0.1818	0.0277	0.1574
12/28/2003	250	A	62.5	42.7	355.2	0.068	0.387	0.000246407	99.6	99.9	0.0356	0.2021	0.0281	0.1597
12/29/2003	231	A	57.8	39.5	328.2	0.068	0.387	0.000246407	99.6	99.9	0.0386	0.2188	0.0330	0.1870
12/30/2003	221	A	55.3	37.8	314.0	0.068	0.387	0.000246407	99.6	99.9	0.0403	0.2287	0.0366	0.2078
12/31/2003	214	A	53.5	36.6	304.1	0.068	0.387	0.000246407	99.6	99.9	0.0416	0.2362	0.0390	0.2214
1/1/2004	202	A	50.5	34.5	287.0	0.068	0.387	0.000246407	99.6	99.9	0.0441	0.2502	0.0411	0.2334
1/2/2004	201	A	50.3	34.3	285.6	0.068	0.387	0.000246407	99.6	99.9	0.0443	0.2514	0.0426	0.2416
1/3/2004	195	A	48.8	33.3	277.1	0.068	0.387	0.000246407	99.6	99.9	0.0457	0.2592	0.0439	0.2492
1/4/2004	190	A	47.5	32.5	270.0	0.068	0.387	0.000246407	99.6	99.9	0.0469	0.2660	0.0452	0.2567
1/5/2004	196	A	49.0	33.5	278.5	0.068	0.387	0.000246407	99.6	99.9	0.0454	0.2578	0.0456	0.2586
1/6/2004	223	A	55.8	38.1	316.9	0.068	0.387	0.000246407	99.6	99.9	0.0399	0.2266	0.0445	0.2524
1/7/2004	212	A	53.0	36.2	301.2	0.068	0.387	0.000246407	99.6	99.9	0.0420	0.2384	0.0436	0.2472
1/8/2004	196	A	49.0	33.5	278.5	0.068	0.387	0.000246407	99.6	99.9	0.0454	0.2578	0.0432	0.2452
1/9/2004	192	A	48.0	32.8	272.8	0.068	0.387	0.000246407	99.6	99.9	0.0464	0.2632	0.0434	0.2465
1/10/2004	180	A	45.0	30.7	255.8	0.068	0.387	0.000246407	99.6	99.9	0.0495	0.2808	0.0458	0.2601
1/11/2004	169	A	42.3	28.9	240.1	0.068	0.387	0.000246407	99.6	99.9	0.0527	0.2990	0.0485	0.2752
1/12/2004	161	A	40.3	27.5	228.8	0.068	0.387	0.000246407	99.6	99.9	0.0553	0.3139	0.0510	0.2892
1/13/2004	167	A	41.8	28.5	237.3	0.068	0.387	0.000246407	99.6	99.9	0.0533	0.3026	0.0527	0.2991
1/14/2004	171	A	42.8	29.2	243.0	0.068	0.387	0.000246407	99.6	99.9	0.0521	0.2955	0.0534	0.3028
1/15/2004	162	A	40.5	27.7	230.2	0.068	0.387	0.000246407	99.6	99.9	0.0550	0.3120	0.0539	0.3060
1/16/2004	159	A	39.8	27.2	225.9	0.068	0.387	0.000246407	99.6	99.9	0.0560	0.3178	0.0541	0.3070
1/17/2004	162	A	40.5	27.7	230.2	0.068	0.387	0.000246407	99.6	99.9	0.0550	0.3120	0.0545	0.3093
1/18/2004	174	A	43.5	29.7	247.2	0.068	0.387	0.000246407	99.6	99.9	0.0512	0.2904	0.0543	0.3081
1/19/2004	219	A	54.8	37.4	311.2	0.068	0.387	0.000246407	99.6	99.9	0.0407	0.2308	0.0507	0.2878
1/20/2004	202	A	50.5	34.5	287.0	0.068	0.387	0.000246407	99.6	99.9	0.0441	0.2502	0.0477	0.2708
1/21/2004	175	A	43.8	29.9	248.7	0.068	0.387	0.000246407	99.6	99.9	0.0509	0.2888	0.0467	0.2650
1/22/2004	164	A	41.0	28.0	233.0	0.068	0.387	0.000246407	99.6	99.9	0.0543	0.3082	0.0475	0.2695
1/23/2004	160	A	40.0	27.3	227.3	0.068	0.387	0.000246407	99.6	99.9	0.0557	0.3159	0.0512	0.2907
1/24/2004	154	A	38.5	26.3	218.8	0.068	0.387	0.000246407	99.6	99.9	0.0578	0.3282	0.0547	0.3102
1/25/2004	150	A	37.5	25.6	213.1	0.068	0.387	0.000246407	99.6	99.9	0.0594	0.3369	0.0568	0.3223
1/26/2004	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0583	0.3306
1/27/2004	154	A	38.5	26.3	218.8	0.068	0.387	0.000246407	99.6	99.9	0.0578	0.3282	0.0588	0.3337
1/28/2004	175	A	43.8	29.9	248.7	0.068	0.387	0.000246407	99.6	99.9	0.0509	0.2888	0.0571	0.3238
1/29/2004	169	A	42.3	28.9	240.1	0.068	0.387	0.000246407	99.6	99.9	0.0527	0.2990	0.0554	0.3144
1/30/2004	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.0567	0.3219
1/31/2004	137	A	34.3	23.4	194.7	0.068	0.387	0.000246407	99.6	99.9	0.0650	0.3689	0.0585	0.3321
2/1/2004	135	A	33.8	23.1	191.8	0.068	0.387	0.000246407	99.6	99.9	0.0660	0.3743	0.0623	0.3535
2/2/2004	131	A	32.8	22.4	186.1	0.068	0.387	0.000246407	99.6	99.9	0.0680	0.3858	0.0661	0.3752
2/3/2004	147	A	36.8	25.1	208.9	0.068	0.387	0.000246407	99.6	99.9	0.0606	0.3438	0.0649	0.3682
2/4/2004	269	A	67.3	46.0	382.2	0.068	0.387	0.000246407	99.6	99.9	0.0331	0.1879	0.0569	0.3229
2/5/2004	231	A	57.8	39.5	328.2	0.068	0.387	0.000246407	99.6	99.9	0.0386	0.2188	0.0501	0.2841
2/6/2004	189	A	47.3	32.3	268.6	0.068	0.387	0.000246407	99.6	99.9	0.0471	0.2674	0.0448	0.2545
2/7/2004	343	A	85.8	58.6	487.4	0.068	0.387	0.000246407	99.6	99.9	0.0260	0.1473	0.0362	0.2053
2/8/2004	370	A	92.5	63.2	525.7	0.068	0.387	0.000246407	99.6	99.9	0.0241	0.1366	0.0339	0.1925
2/9/2004	254	A	63.5	43.4	360.9	0.068	0.387	0.000246407	99.6	99.9	0.0351	0.1990	0.0331	0.1876
2/10/2004	224	A	56.0	38.3	318.3	0.068	0.387	0.000246407	99.6	99.9	0.0398	0.2256	0.0312	0.1771
2/11/2004	211	A	52.8	36.0	299.8	0.068	0.387	0.000246407	99.6	99.9	0.0422	0.2395	0.0353	0.2002

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
2/12/2004	199	A	49.8	34.0	282.8	0.068	0.387	0.000246407	99.6	99.9	0.0448	0.2540	0.0404	0.2295
2/13/2004	183	A	45.8	31.3	260.0	0.068	0.387	0.000246407	99.6	99.9	0.0487	0.2762	0.0438	0.2488
2/14/2004	176	A	44.0	30.1	250.1	0.068	0.387	0.000246407	99.6	99.9	0.0506	0.2871	0.0466	0.2642
2/15/2004	169	A	42.3	28.9	240.1	0.068	0.387	0.000246407	99.6	99.9	0.0527	0.2990	0.0492	0.2791
2/16/2004	164	A	41.0	28.0	233.0	0.068	0.387	0.000246407	99.6	99.9	0.0543	0.3082	0.0516	0.2926
2/17/2004	161	A	40.3	27.5	228.8	0.068	0.387	0.000246407	99.6	99.9	0.0553	0.3139	0.0532	0.3021
2/18/2004	165	A	41.3	28.2	234.4	0.068	0.387	0.000246407	99.6	99.9	0.0540	0.3063	0.0541	0.3068
2/19/2004	160	A	40.0	27.3	227.3	0.068	0.387	0.000246407	99.6	99.9	0.0557	0.3159	0.0548	0.3110
2/20/2004	157	A	39.3	26.8	223.1	0.068	0.387	0.000246407	99.6	99.9	0.0567	0.3219	0.0554	0.3145
2/21/2004	160	A	40.0	27.3	227.3	0.068	0.387	0.000246407	99.6	99.9	0.0557	0.3159	0.0555	0.3150
2/22/2004	156	A	39.0	26.6	221.7	0.068	0.387	0.000246407	99.6	99.9	0.0571	0.3240	0.0563	0.3194
2/23/2004	152	A	38.0	26.0	216.0	0.068	0.387	0.000246407	99.6	99.9	0.0586	0.3325	0.0570	0.3235
2/24/2004	146	A	36.5	24.9	207.5	0.068	0.387	0.000246407	99.6	99.9	0.0610	0.3461	0.0581	0.3296
2/25/2004	138	A	34.5	23.6	196.1	0.068	0.387	0.000246407	99.6	99.9	0.0645	0.3662	0.0603	0.3422
2/26/2004	135	A	33.8	23.1	191.8	0.068	0.387	0.000246407	99.6	99.9	0.0660	0.3743	0.0625	0.3548
2/27/2004	132	A	33.0	22.5	187.6	0.068	0.387	0.000246407	99.6	99.9	0.0675	0.3829	0.0647	0.3674
2/28/2004	126	A	31.5	21.5	179.0	0.068	0.387	0.000246407	99.6	99.9	0.0707	0.4011	0.0672	0.3811
2/29/2004	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0691	0.3923
3/1/2004	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0707	0.4014
3/2/2004	124	A	31.0	21.2	176.2	0.068	0.387	0.000246407	99.6	99.9	0.0718	0.4076	0.0718	0.4076
3/3/2004	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0724	0.4109
3/4/2004	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0726	0.4117
3/5/2004	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.0729	0.4134
3/6/2004	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0720	0.4087
3/7/2004	133	A	33.3	22.7	189.0	0.068	0.387	0.000246407	99.6	99.9	0.0670	0.3800	0.0705	0.4002
3/8/2004	131	A	32.8	22.4	186.1	0.068	0.387	0.000246407	99.6	99.9	0.0680	0.3858	0.0693	0.3930
3/9/2004	126	A	31.5	21.5	179.0	0.068	0.387	0.000246407	99.6	99.9	0.0707	0.4011	0.0685	0.3889
3/10/2004	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0697	0.3953
3/11/2004	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.0713	0.4047
3/12/2004	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.0734	0.4162
3/13/2004	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0763	0.4329
3/14/2004	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0799	0.4533
3/15/2004	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0825	0.4680
3/16/2004	124	A	31.0	21.2	176.2	0.068	0.387	0.000246407	99.6	99.9	0.0718	0.4076	0.0814	0.4619
3/17/2004	142	A	35.5	24.3	201.8	0.068	0.387	0.000246407	99.6	99.9	0.0627	0.3559	0.0765	0.4339
3/18/2004	127	A	31.8	21.7	180.5	0.068	0.387	0.000246407	99.6	99.9	0.0701	0.3979	0.0722	0.4095
3/19/2004	129	A	32.3	22.0	183.3	0.068	0.387	0.000246407	99.6	99.9	0.0690	0.3918	0.0684	0.3883
3/20/2004	126	A	31.5	21.5	179.0	0.068	0.387	0.000246407	99.6	99.9	0.0707	0.4011	0.0681	0.3867
3/21/2004	125	A	31.3	21.4	177.6	0.068	0.387	0.000246407	99.6	99.9	0.0713	0.4043	0.0703	0.3988
3/22/2004	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.0711	0.4037
3/23/2004	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0736	0.4176
3/24/2004	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0767	0.4354
3/25/2004	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0795	0.4513
3/26/2004	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.0823	0.4672
3/27/2004	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0842	0.4781
3/28/2004	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0851	0.4826
3/29/2004	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0863	0.4895
3/30/2004	101	A	25.3	17.3	143.5	0.068	0.387	0.000246407	99.6	99.9	0.0882	0.5004	0.0871	0.4943
3/31/2004	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0865	0.4908
4/1/2004	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0831	0.4717
4/2/2004	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0794	0.4506
4/3/2004	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0766	0.4344
4/4/2004	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0756	0.4290
4/5/2004	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.0786	0.4458
4/6/2004	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0827	0.4694
4/7/2004	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0858	0.4868

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
4/8/2004	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0876	0.4969
4/9/2004	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0898	0.5095
4/10/2004	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0915	0.5191
4/11/2004	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.0886	0.5026
4/12/2004	135	A	33.8	23.1	191.8	0.068	0.387	0.000246407	99.6	99.9	0.0660	0.3743	0.0832	0.4723
4/13/2004	324	A	81.0	55.3	460.4	0.068	0.387	0.000246407	99.6	99.9	0.0275	0.1560	0.0667	0.3783
4/14/2004	467	A	116.8	79.8	663.6	0.068	0.387	0.000246407	99.6	99.9	0.0191	0.1082	0.0475	0.2695
4/15/2004	412	A	103.0	70.4	585.4	0.068	0.387	0.000246407	99.6	99.9	0.0216	0.1227	0.0335	0.1903
4/16/2004	342	A	85.5	58.4	486.0	0.068	0.387	0.000246407	99.6	99.9	0.0260	0.1478	0.0236	0.1337
4/17/2004	256	A	64.0	43.7	363.8	0.068	0.387	0.000246407	99.6	99.9	0.0348	0.1974	0.0254	0.1440
4/18/2004	224	A	56.0	38.3	318.3	0.068	0.387	0.000246407	99.6	99.9	0.0398	0.2256	0.0306	0.1734
4/19/2004	194	A	48.5	33.1	275.7	0.068	0.387	0.000246407	99.6	99.9	0.0459	0.2605	0.0366	0.2078
4/20/2004	180	A	45.0	30.7	255.8	0.068	0.387	0.000246407	99.6	99.9	0.0495	0.2808	0.0425	0.2411
4/21/2004	173	A	43.3	29.6	245.8	0.068	0.387	0.000246407	99.6	99.9	0.0515	0.2921	0.0467	0.2647
4/22/2004	169	A	42.3	28.9	240.1	0.068	0.387	0.000246407	99.6	99.9	0.0527	0.2990	0.0499	0.2831
4/23/2004	165	A	41.3	28.2	234.4	0.068	0.387	0.000246407	99.6	99.9	0.0540	0.3063	0.0519	0.2946
4/24/2004	177	A	44.3	30.2	251.5	0.068	0.387	0.000246407	99.6	99.9	0.0503	0.2855	0.0521	0.2957
4/25/2004	160	A	40.0	27.3	227.3	0.068	0.387	0.000246407	99.6	99.9	0.0557	0.3159	0.0532	0.3017
4/26/2004	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0545	0.3095
4/27/2004	172	A	43.0	29.4	244.4	0.068	0.387	0.000246407	99.6	99.9	0.0518	0.2938	0.0540	0.3064
4/28/2004	169	A	42.3	28.9	240.1	0.068	0.387	0.000246407	99.6	99.9	0.0527	0.2990	0.0546	0.3098
4/29/2004	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0557	0.3162
4/30/2004	141	A	35.3	24.1	200.3	0.068	0.387	0.000246407	99.6	99.9	0.0632	0.3584	0.0570	0.3232
5/1/2004	138	A	34.5	23.6	196.1	0.068	0.387	0.000246407	99.6	99.9	0.0645	0.3662	0.0601	0.3413
5/2/2004	135	A	33.8	23.1	191.8	0.068	0.387	0.000246407	99.6	99.9	0.0660	0.3743	0.0635	0.3601
5/3/2004	143	A	35.8	24.4	203.2	0.068	0.387	0.000246407	99.6	99.9	0.0623	0.3534	0.0640	0.3631
5/4/2004	142	A	35.5	24.3	201.8	0.068	0.387	0.000246407	99.6	99.9	0.0627	0.3559	0.0639	0.3625
5/5/2004	133	A	33.3	22.7	189.0	0.068	0.387	0.000246407	99.6	99.9	0.0670	0.3800	0.0645	0.3659
5/6/2004	124	A	31.0	21.2	176.2	0.068	0.387	0.000246407	99.6	99.9	0.0718	0.4076	0.0659	0.3742
5/7/2004	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0685	0.3886
5/8/2004	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0709	0.4023
5/9/2004	119	A	29.8	20.3	169.1	0.068	0.387	0.000246407	99.6	99.9	0.0748	0.4247	0.0729	0.4135
5/10/2004	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0738	0.4187
5/11/2004	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0746	0.4230
5/12/2004	109	A	27.3	18.6	154.9	0.068	0.387	0.000246407	99.6	99.9	0.0817	0.4636	0.0769	0.4362
5/13/2004	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0800	0.4539
5/14/2004	101	A	25.3	17.3	143.5	0.068	0.387	0.000246407	99.6	99.9	0.0882	0.5004	0.0832	0.4719
5/15/2004	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0873	0.4951
5/16/2004	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0908	0.5151
5/17/2004	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0926	0.5256
5/18/2004	127	A	31.8	21.7	180.5	0.068	0.387	0.000246407	99.6	99.9	0.0701	0.3979	0.0881	0.5000
5/19/2004	124	A	31.0	21.2	176.2	0.068	0.387	0.000246407	99.6	99.9	0.0718	0.4076	0.0831	0.4716
5/20/2004	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0808	0.4584
5/21/2004	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0798	0.4530
5/22/2004	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0860	0.4879
5/23/2004	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.0930	0.5279
5/24/2004	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.0976	0.5539
5/25/2004	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1011	0.5736
5/26/2004	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0992	0.5631
5/27/2004	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0977	0.5541
5/28/2004	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0944	0.5357
5/29/2004	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0917	0.5201
5/30/2004	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.0960	0.5449
5/31/2004	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0979	0.5555
6/1/2004	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0984	0.5582
6/2/2004	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1011	0.5738

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
6/3/2004	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1063	0.6032
6/4/2004	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1128	0.6401
6/5/2004	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.1153	0.6540
6/6/2004	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.1147	0.6506
6/7/2004	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1098	0.6230
6/8/2004	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1069	0.6066
6/9/2004	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1138	0.6455
6/10/2004	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1195	0.6782
6/11/2004	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.1178	0.6682
6/12/2004	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.1141	0.6477
6/13/2004	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1086	0.6160
6/14/2004	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1069	0.6065
6/15/2004	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1140	0.6466
6/16/2004	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1205	0.6835
6/17/2004	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1251	0.7099
6/18/2004	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1287	0.7300
6/19/2004	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1334	0.7567
6/20/2004	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1387	0.7868
6/21/2004	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1452	0.8241
6/22/2004	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1525	0.8652
6/23/2004	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1572	0.8921
6/24/2004	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1613	0.9155
6/25/2004	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1642	0.9316
6/26/2004	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1649	0.9359
6/27/2004	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1649	0.9359
6/28/2004	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1649	0.9359
6/29/2004	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1649	0.9359
6/30/2004	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1649	0.9359
7/1/2004	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1691	0.9597
7/2/2004	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1753	0.9946
7/3/2004	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1814	1.0294
7/4/2004	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1908	1.0826
7/5/2004	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1960	1.1119
7/6/2004	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1992	1.1302
7/7/2004	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2075	1.1773
7/8/2004	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2075	1.1773
7/9/2004	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2075	1.1773
7/10/2004	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2075	1.1773
7/11/2004	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2024	1.1486
7/12/2004	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.2002	1.1361
7/13/2004	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1828	1.0375
7/14/2004	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1682	0.9542
7/15/2004	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1566	0.8887
7/16/2004	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1510	0.8570
7/17/2004	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1673	0.9492
7/18/2004	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1787	1.0142
7/19/2004	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1833	1.0403
7/20/2004	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1842	1.0450
7/21/2004	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1821	1.0331
7/22/2004	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1853	1.0514
7/23/2004	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1922	1.0908
7/24/2004	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1992	1.1302
7/25/2004	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1973	1.1193
7/26/2004	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1903	1.0799
7/27/2004	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1851	1.0506
7/28/2004	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1782	1.0111

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
7/29/2004	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1718	0.9750
7/30/2004	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1710	0.9702
7/31/2004	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1739	0.9870
8/1/2004	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1581	0.8972
8/2/2004	165	A	41.3	28.2	234.4	0.068	0.387	0.000246407	99.6	99.9	0.0540	0.3063	0.1326	0.7521
8/3/2004	161	A	40.3	27.5	228.8	0.068	0.387	0.000246407	99.6	99.9	0.0553	0.3139	0.1036	0.5876
8/4/2004	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0740	0.4200
8/5/2004	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0701	0.3980
8/6/2004	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0806	0.4572
8/7/2004	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.0929	0.5274
8/8/2004	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1016	0.5763
8/9/2004	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1065	0.6046
8/10/2004	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1115	0.6328
8/11/2004	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1142	0.6482
8/12/2004	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1160	0.6585
8/13/2004	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1219	0.6918
8/14/2004	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1227	0.6962
8/15/2004	145	A	36.3	24.8	206.0	0.068	0.387	0.000246407	99.6	99.9	0.0614	0.3485	0.1091	0.6192
8/16/2004	163	A	40.8	27.8	231.6	0.068	0.387	0.000246407	99.6	99.9	0.0546	0.3100	0.0935	0.5305
8/17/2004	150	A	37.5	25.6	213.1	0.068	0.387	0.000246407	99.6	99.9	0.0594	0.3369	0.0735	0.4173
8/18/2004	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0627	0.3559
8/19/2004	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.0699	0.3964
8/20/2004	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0801	0.4548
8/21/2004	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0906	0.5141
8/22/2004	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0970	0.5506
8/23/2004	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0998	0.5666
8/24/2004	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.1018	0.5776
8/25/2004	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1030	0.5845
8/26/2004	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1042	0.5913
8/27/2004	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1054	0.5981
8/28/2004	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1060	0.6016
8/29/2004	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1060	0.6016
8/30/2004	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1063	0.6034
8/31/2004	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.1021	0.5794
9/1/2004	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0993	0.5634
9/2/2004	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.0990	0.5616
9/3/2004	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.0996	0.5654
9/4/2004	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1052	0.5970
9/5/2004	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1101	0.6245
9/6/2004	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1128	0.6400
9/7/2004	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1158	0.6571
9/8/2004	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1198	0.6796
9/9/2004	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1235	0.7007
9/10/2004	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1264	0.7172
9/11/2004	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1286	0.7299
9/12/2004	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1301	0.7380
9/13/2004	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1310	0.7434
9/14/2004	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1335	0.7573
9/15/2004	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1345	0.7629
9/16/2004	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1330	0.7549
9/17/2004	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1321	0.7494
9/18/2004	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1271	0.7213
9/19/2004	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.1173	0.6657
9/20/2004	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1117	0.6338
9/21/2004	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1117	0.6338
9/22/2004	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1172	0.6650

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
9/23/2004	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1298	0.7363
9/24/2004	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1420	0.8055
9/25/2004	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1487	0.8440
9/26/2004	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1530	0.8683
9/27/2004	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1556	0.8828
9/28/2004	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1563	0.8866
9/29/2004	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1531	0.8687
9/30/2004	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1524	0.8649
10/1/2004	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1524	0.8649
10/2/2004	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1518	0.8611
10/3/2004	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1530	0.8679
10/4/2004	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1530	0.8679
10/5/2004	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1544	0.8760
10/6/2004	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1572	0.8921
10/7/2004	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1613	0.9155
10/8/2004	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1642	0.9316
10/9/2004	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1649	0.9359
10/10/2004	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1665	0.9449
10/11/2004	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1689	0.9586
10/12/2004	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1714	0.9724
10/13/2004	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1765	1.0016
10/14/2004	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1811	1.0275
10/15/2004	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1838	1.0430
10/16/2004	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1847	1.0479
10/17/2004	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1837	1.0426
10/18/2004	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.1907	1.0819
10/19/2004	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.1999	1.1345
10/20/2004	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1908	1.0824
10/21/2004	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1812	1.0283
10/22/2004	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1674	0.9499
10/23/2004	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1530	0.8680
10/24/2004	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1589	0.9014
10/25/2004	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1642	0.9316
10/26/2004	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1665	0.9449
10/27/2004	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1727	0.9797
10/28/2004	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1788	1.0146
10/29/2004	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1860	1.0553
10/30/2004	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.1949	1.1061
10/31/2004	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2077	1.1788
11/1/2004	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2205	1.2514
11/2/2004	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2323	1.3182
11/3/2004	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2407	1.3659
11/4/2004	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.2300	1.3052
11/5/2004	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.2046	1.1611
11/6/2004	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1835	1.0413
11/7/2004	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1670	0.9476
11/8/2004	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1620	0.9195
11/9/2004	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1746	0.9909
11/10/2004	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1829	1.0380
11/11/2004	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1899	1.0775
11/12/2004	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1917	1.0880
11/13/2004	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.1660	0.9418
11/14/2004	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.1398	0.7933
11/15/2004	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1160	0.6584
11/16/2004	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1024	0.5810
11/17/2004	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1179	0.6689

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
11/18/2004	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1364	0.7742
11/19/2004	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1508	0.8559
11/20/2004	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1593	0.9041
11/21/2004	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1635	0.9275
11/22/2004	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1649	0.9359
11/23/2004	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1649	0.9359
11/24/2004	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1649	0.9359
11/25/2004	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1635	0.9275
11/26/2004	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1635	0.9275
11/27/2004	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1650	0.9365
11/28/2004	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.1494	0.8478
11/29/2004	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.1321	0.7498
11/30/2004	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1194	0.6778
12/1/2004	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1076	0.6103
12/2/2004	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1138	0.6456
12/3/2004	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1255	0.7123
12/4/2004	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1341	0.7609
12/5/2004	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1403	0.7960
12/6/2004	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1456	0.8261
12/7/2004	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1461	0.8291
12/8/2004	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1418	0.8044
12/9/2004	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1394	0.7912
12/10/2004	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.1271	0.7210
12/11/2004	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.1120	0.6354
12/12/2004	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.1004	0.5699
12/13/2004	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.0915	0.5194
12/14/2004	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.0946	0.5370
12/15/2004	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1035	0.5871
12/16/2004	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1128	0.6399
12/17/2004	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1201	0.6816
12/18/2004	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1255	0.7122
12/19/2004	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1292	0.7333
12/20/2004	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1280	0.7265
12/21/2004	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1275	0.7237
12/22/2004	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1275	0.7237
12/23/2004	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1258	0.7137
12/24/2004	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.1224	0.6944
12/25/2004	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1158	0.6572
12/26/2004	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1108	0.6285
12/27/2004	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1104	0.6262
12/28/2004	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1163	0.6598
12/29/2004	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1219	0.6916
12/30/2004	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1255	0.7122
12/31/2004	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1272	0.7220
1/1/2005	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1277	0.7246
1/2/2005	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1291	0.7327
1/3/2005	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1305	0.7407
1/4/2005	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1325	0.7517
1/5/2005	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1334	0.7571
1/6/2005	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1329	0.7544
1/7/2005	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1315	0.7463
1/8/2005	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1271	0.7211
1/9/2005	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1207	0.6847
1/10/2005	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1184	0.6720
1/11/2005	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1184	0.6720
1/12/2005	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1209	0.6863

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
1/13/2005	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1255	0.7120
1/14/2005	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.1166	0.6616
1/15/2005	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.1012	0.5740
1/16/2005	124	A	31.0	21.2	176.2	0.068	0.387	0.000246407	99.6	99.9	0.0718	0.4076	0.0873	0.4954
1/17/2005	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0778	0.4413
1/18/2005	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.0806	0.4575
1/19/2005	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.0908	0.5150
1/20/2005	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.0993	0.5635
1/21/2005	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.1031	0.5849
1/22/2005	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.1025	0.5819
1/23/2005	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.0963	0.5463
1/24/2005	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0920	0.5223
1/25/2005	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0904	0.5129
1/26/2005	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0904	0.5129
1/27/2005	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.0944	0.5354
1/28/2005	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.0983	0.5577
1/29/2005	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1015	0.5759
1/30/2005	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.1010	0.5730
1/31/2005	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0968	0.5495
2/1/2005	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0923	0.5236
2/2/2005	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0874	0.4958
2/3/2005	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0867	0.4917
2/4/2005	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0900	0.5109
2/5/2005	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0907	0.5146
2/6/2005	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0903	0.5121
2/7/2005	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0894	0.5071
2/8/2005	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0878	0.4979
2/9/2005	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0873	0.4955
2/10/2005	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0865	0.4908
2/11/2005	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0869	0.4933
2/12/2005	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0890	0.5053
2/13/2005	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.0917	0.5202
2/14/2005	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0929	0.5274
2/15/2005	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0888	0.5038
2/16/2005	120	A	30.0	20.5	170.5	0.068	0.387	0.000246407	99.6	99.9	0.0742	0.4211	0.0834	0.4732
2/17/2005	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.0792	0.4492
2/18/2005	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.0781	0.4432
2/19/2005	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0827	0.4694
2/20/2005	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.0874	0.4957
2/21/2005	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.0885	0.5023
2/22/2005	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0847	0.4807
2/23/2005	125	A	31.3	21.4	177.6	0.068	0.387	0.000246407	99.6	99.9	0.0713	0.4043	0.0798	0.4529
2/24/2005	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0755	0.4283
2/25/2005	120	A	30.0	20.5	170.5	0.068	0.387	0.000246407	99.6	99.9	0.0742	0.4211	0.0726	0.4121
2/26/2005	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0759	0.4304
2/27/2005	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0789	0.4474
2/28/2005	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.0790	0.4483
3/1/2005	146	A	36.5	24.9	207.5	0.068	0.387	0.000246407	99.6	99.9	0.0610	0.3461	0.0757	0.4296
3/2/2005	152	A	38.0	26.0	216.0	0.068	0.387	0.000246407	99.6	99.9	0.0586	0.3325	0.0697	0.3957
3/3/2005	129	A	32.3	22.0	183.3	0.068	0.387	0.000246407	99.6	99.9	0.0690	0.3918	0.0662	0.3756
3/4/2005	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.0656	0.3720
3/5/2005	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0692	0.3925
3/6/2005	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0742	0.4212
3/7/2005	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0778	0.4414
3/8/2005	147	A	36.8	25.1	208.9	0.068	0.387	0.000246407	99.6	99.9	0.0606	0.3438	0.0745	0.4229
3/9/2005	184	A	46.0	31.4	261.4	0.068	0.387	0.000246407	99.6	99.9	0.0484	0.2747	0.0678	0.3845

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
3/10/2005	163	A	40.8	27.8	231.6	0.068	0.387	0.000246407	99.6	99.9	0.0546	0.3100	0.0617	0.3502
3/11/2005	133	A	33.3	22.7	189.0	0.068	0.387	0.000246407	99.6	99.9	0.0670	0.3800	0.0576	0.3271
3/12/2005	124	A	31.0	21.2	176.2	0.068	0.387	0.000246407	99.6	99.9	0.0718	0.4076	0.0605	0.3431
3/13/2005	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.0668	0.3788
3/14/2005	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0720	0.4084
3/15/2005	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.0746	0.4232
3/16/2005	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.0769	0.4362
3/17/2005	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0793	0.4499
3/18/2005	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0812	0.4609
3/19/2005	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.0833	0.4725
3/20/2005	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0849	0.4815
3/21/2005	101	A	25.3	17.3	143.5	0.068	0.387	0.000246407	99.6	99.9	0.0882	0.5004	0.0861	0.4885
3/22/2005	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0880	0.4994
3/23/2005	166	A	41.5	28.4	235.9	0.068	0.387	0.000246407	99.6	99.9	0.0537	0.3044	0.0800	0.4540
3/24/2005	349	A	87.3	59.6	495.9	0.068	0.387	0.000246407	99.6	99.9	0.0255	0.1448	0.0646	0.3663
3/25/2005	275	A	68.8	47.0	390.7	0.068	0.387	0.000246407	99.6	99.9	0.0324	0.1838	0.0506	0.2872
3/26/2005	201	A	50.3	34.3	285.6	0.068	0.387	0.000246407	99.6	99.9	0.0443	0.2514	0.0390	0.2211
3/27/2005	171	A	42.8	29.2	243.0	0.068	0.387	0.000246407	99.6	99.9	0.0521	0.2955	0.0386	0.2189
3/28/2005	166	A	41.5	28.4	235.9	0.068	0.387	0.000246407	99.6	99.9	0.0537	0.3044	0.0456	0.2588
3/29/2005	183	A	45.8	31.3	260.0	0.068	0.387	0.000246407	99.6	99.9	0.0487	0.2762	0.0497	0.2819
3/30/2005	185	A	46.3	31.6	262.9	0.068	0.387	0.000246407	99.6	99.9	0.0481	0.2732	0.0506	0.2873
3/31/2005	162	A	40.5	27.7	230.2	0.068	0.387	0.000246407	99.6	99.9	0.0550	0.3120	0.0514	0.2914
4/1/2005	152	A	38.0	26.0	216.0	0.068	0.387	0.000246407	99.6	99.9	0.0586	0.3325	0.0526	0.2984
4/2/2005	197	A	49.3	33.7	279.9	0.068	0.387	0.000246407	99.6	99.9	0.0452	0.2565	0.0517	0.2935
4/3/2005	476	A	119.0	81.3	676.4	0.068	0.387	0.000246407	99.6	99.9	0.0187	0.1062	0.0444	0.2518
4/4/2005	390	A	97.5	66.6	554.2	0.068	0.387	0.000246407	99.6	99.9	0.0228	0.1296	0.0363	0.2062
4/5/2005	259	A	64.8	44.2	368.0	0.068	0.387	0.000246407	99.6	99.9	0.0344	0.1951	0.0303	0.1719
4/6/2005	213	A	53.3	36.4	302.7	0.068	0.387	0.000246407	99.6	99.9	0.0418	0.2373	0.0294	0.1670
4/7/2005	193	A	48.3	33.0	274.2	0.068	0.387	0.000246407	99.6	99.9	0.0461	0.2619	0.0363	0.2060
4/8/2005	183	A	45.8	31.3	260.0	0.068	0.387	0.000246407	99.6	99.9	0.0487	0.2762	0.0428	0.2426
4/9/2005	176	A	44.0	30.1	250.1	0.068	0.387	0.000246407	99.6	99.9	0.0506	0.2871	0.0468	0.2656
4/10/2005	167	A	41.8	28.5	237.3	0.068	0.387	0.000246407	99.6	99.9	0.0533	0.3026	0.0497	0.2819
4/11/2005	157	A	39.3	26.8	223.1	0.068	0.387	0.000246407	99.6	99.9	0.0567	0.3219	0.0523	0.2970
4/12/2005	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0552	0.3133
4/13/2005	141	A	35.3	24.1	200.3	0.068	0.387	0.000246407	99.6	99.9	0.0632	0.3584	0.0584	0.3311
4/14/2005	139	A	34.8	23.7	197.5	0.068	0.387	0.000246407	99.6	99.9	0.0641	0.3636	0.0610	0.3463
4/15/2005	132	A	33.0	22.5	187.6	0.068	0.387	0.000246407	99.6	99.9	0.0675	0.3829	0.0637	0.3616
4/16/2005	124	A	31.0	21.2	176.2	0.068	0.387	0.000246407	99.6	99.9	0.0718	0.4076	0.0666	0.3781
4/17/2005	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0689	0.3912
4/18/2005	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0710	0.4030
4/19/2005	120	A	30.0	20.5	170.5	0.068	0.387	0.000246407	99.6	99.9	0.0742	0.4211	0.0727	0.4126
4/20/2005	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0740	0.4196
4/21/2005	109	A	27.3	18.6	154.9	0.068	0.387	0.000246407	99.6	99.9	0.0817	0.4636	0.0763	0.4328
4/22/2005	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0790	0.4482
4/23/2005	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0814	0.4621
4/24/2005	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0829	0.4702
4/25/2005	101	A	25.3	17.3	143.5	0.068	0.387	0.000246407	99.6	99.9	0.0882	0.5004	0.0845	0.4793
4/26/2005	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.0881	0.5001
4/27/2005	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0924	0.5245
4/28/2005	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.0974	0.5527
4/29/2005	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1019	0.5780
4/30/2005	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.1024	0.5812
5/1/2005	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0952	0.5403
5/2/2005	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.0890	0.5049
5/3/2005	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0864	0.4904
5/4/2005	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0867	0.4920

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
5/5/2005	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.0945	0.5362
5/6/2005	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.1007	0.5716
5/7/2005	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.1018	0.5777
5/8/2005	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1033	0.5863
5/9/2005	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1056	0.5993
5/10/2005	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1089	0.6182
5/11/2005	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1128	0.6403
5/12/2005	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1157	0.6565
5/13/2005	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1176	0.6674
5/14/2005	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1192	0.6763
5/15/2005	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1181	0.6702
5/16/2005	125	A	31.3	21.4	177.6	0.068	0.387	0.000246407	99.6	99.9	0.0713	0.4043	0.1062	0.6028
5/17/2005	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1027	0.5825
5/18/2005	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1022	0.5801
5/19/2005	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1045	0.5929
5/20/2005	223	A	55.8	38.1	316.9	0.068	0.387	0.000246407	99.6	99.9	0.0399	0.2266	0.0967	0.5485
5/21/2005	494	A	123.5	84.4	701.9	0.068	0.387	0.000246407	99.6	99.9	0.0180	0.1023	0.0747	0.4237
5/22/2005	297	A	74.3	50.7	422.0	0.068	0.387	0.000246407	99.6	99.9	0.0300	0.1702	0.0521	0.2955
5/23/2005	188	A	47.0	32.1	267.1	0.068	0.387	0.000246407	99.6	99.9	0.0474	0.2688	0.0338	0.1920
5/24/2005	172	A	43.0	29.4	244.4	0.068	0.387	0.000246407	99.6	99.9	0.0518	0.2938	0.0368	0.2088
5/25/2005	154	A	38.5	26.3	218.8	0.068	0.387	0.000246407	99.6	99.9	0.0578	0.3282	0.0467	0.2652
5/26/2005	157	A	39.3	26.8	223.1	0.068	0.387	0.000246407	99.6	99.9	0.0567	0.3219	0.0534	0.3032
5/27/2005	150	A	37.5	25.6	213.1	0.068	0.387	0.000246407	99.6	99.9	0.0594	0.3369	0.0564	0.3202
5/28/2005	135	A	33.8	23.1	191.8	0.068	0.387	0.000246407	99.6	99.9	0.0660	0.3743	0.0600	0.3403
5/29/2005	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0636	0.3610
5/30/2005	114	A	28.5	19.5	162.0	0.068	0.387	0.000246407	99.6	99.9	0.0781	0.4433	0.0690	0.3914
5/31/2005	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0747	0.4241
6/1/2005	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0791	0.4486
6/2/2005	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0816	0.4629
6/3/2005	119	A	29.8	20.3	169.1	0.068	0.387	0.000246407	99.6	99.9	0.0748	0.4247	0.0808	0.4582
6/4/2005	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.0765	0.4341
6/5/2005	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.0771	0.4375
6/6/2005	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.0888	0.5037
6/7/2005	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1010	0.5730
6/8/2005	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1135	0.6441
6/9/2005	124	Ae	31.0	21.2	176.2	0.068	0.387	0.000246407	99.6	99.9	0.0718	0.4076	0.1101	0.6246
6/10/2005	201	Ae	50.3	34.3	285.6	0.068	0.387	0.000246407	99.6	99.9	0.0443	0.2514	0.0889	0.5043
6/11/2005	164	Ae	41.0	28.0	233.0	0.068	0.387	0.000246407	99.6	99.9	0.0543	0.3082	0.0715	0.4059
6/12/2005	145	Ae	36.3	24.8	206.0	0.068	0.387	0.000246407	99.6	99.9	0.0614	0.3485	0.0580	0.3289
6/13/2005	133	Ae	33.3	22.7	189.0	0.068	0.387	0.000246407	99.6	99.9	0.0670	0.3800	0.0568	0.3220
6/14/2005	124	Ae	31.0	21.2	176.2	0.068	0.387	0.000246407	99.6	99.9	0.0718	0.4076	0.0636	0.3611
6/15/2005	118	Ae	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0689	0.3911
6/16/2005	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.0738	0.4188
6/17/2005	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0781	0.4430
6/18/2005	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.0833	0.4727
6/19/2005	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.0892	0.5060
6/20/2005	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.0954	0.5416
6/21/2005	83	Ae	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1013	0.5746
6/22/2005	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1043	0.5916
6/23/2005	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.1037	0.5886
6/24/2005	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.1028	0.5834
6/25/2005	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1028	0.5834
6/26/2005	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1045	0.5927
6/27/2005	119	A	29.8	20.3	169.1	0.068	0.387	0.000246407	99.6	99.9	0.0748	0.4247	0.0990	0.5615
6/28/2005	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.0924	0.5243
6/29/2005	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0848	0.4810

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
6/30/2005	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0779	0.4423
7/1/2005	103	Ae	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0808	0.4588
7/2/2005	98	Ae	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0845	0.4797
7/3/2005	88	Ae	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0906	0.5143
7/4/2005	80	Ae	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.0975	0.5531
7/5/2005	74	Ae	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1059	0.6012
7/6/2005	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1111	0.6302
7/7/2005	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1119	0.6352
7/8/2005	247	A	61.8	42.2	351.0	0.068	0.387	0.000246407	99.6	99.9	0.0361	0.2046	0.0931	0.5285
7/9/2005	410	A	102.5	70.0	582.6	0.068	0.387	0.000246407	99.6	99.9	0.0217	0.1233	0.0685	0.3885
7/10/2005	224	A	56.0	38.3	318.3	0.068	0.387	0.000246407	99.6	99.9	0.0398	0.2256	0.0506	0.2870
7/11/2005	149	A	37.3	25.5	211.7	0.068	0.387	0.000246407	99.6	99.9	0.0598	0.3392	0.0393	0.2232
7/12/2005	126	A	31.5	21.5	179.0	0.068	0.387	0.000246407	99.6	99.9	0.0707	0.4011	0.0480	0.2723
7/13/2005	109	A	27.3	18.6	154.9	0.068	0.387	0.000246407	99.6	99.9	0.0817	0.4636	0.0630	0.3574
7/14/2005	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0749	0.4248
7/15/2005	124	A	31.0	21.2	176.2	0.068	0.387	0.000246407	99.6	99.9	0.0718	0.4076	0.0779	0.4419
7/16/2005	175	A	43.8	29.9	248.7	0.068	0.387	0.000246407	99.6	99.9	0.0509	0.2888	0.0729	0.4139
7/17/2005	222	A	55.5	37.9	315.4	0.068	0.387	0.000246407	99.6	99.9	0.0401	0.2276	0.0625	0.3549
7/18/2005	207	A	51.8	35.4	294.1	0.068	0.387	0.000246407	99.6	99.9	0.0430	0.2441	0.0515	0.2920
7/19/2005	149	A	37.3	25.5	211.7	0.068	0.387	0.000246407	99.6	99.9	0.0598	0.3392	0.0485	0.2749
7/20/2005	126	A	31.5	21.5	179.0	0.068	0.387	0.000246407	99.6	99.9	0.0707	0.4011	0.0534	0.3030
7/21/2005	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0640	0.3631
7/22/2005	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0751	0.4259
7/23/2005	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.0833	0.4727
7/24/2005	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.0918	0.5211
7/25/2005	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.0984	0.5582
7/26/2005	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1055	0.5984
7/27/2005	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1116	0.6330
7/28/2005	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1136	0.6443
7/29/2005	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1153	0.6543
7/30/2005	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1126	0.6389
7/31/2005	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.1092	0.6196
8/1/2005	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1075	0.6100
8/2/2005	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1068	0.6059
8/3/2005	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1107	0.6280
8/4/2005	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1171	0.6642
8/5/2005	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1265	0.7175
8/6/2005	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1348	0.7647
8/7/2005	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1365	0.7745
8/8/2005	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1331	0.7555
8/9/2005	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.1231	0.6986
8/10/2005	98	Ae	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.1093	0.6204
8/11/2005	86	Ae	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.1034	0.5868
8/12/2005	83	Ae	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1013	0.5750
8/13/2005	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1059	0.6011
8/14/2005	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1160	0.6580
8/15/2005	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1249	0.7085
8/16/2005	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1328	0.7537
8/17/2005	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1341	0.7611
8/18/2005	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1362	0.7727
8/19/2005	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1379	0.7824
8/20/2005	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1402	0.7956
8/21/2005	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1461	0.8292
8/22/2005	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1518	0.8615
8/23/2005	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1582	0.8974
8/24/2005	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1639	0.9298

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
8/25/2005	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1698	0.9634
8/26/2005	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1730	0.9814
8/27/2005	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1738	0.9862
8/28/2005	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1746	0.9909
8/29/2005	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1746	0.9909
8/30/2005	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1746	0.9909
8/31/2005	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1746	0.9909
9/1/2005	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1755	0.9959
9/2/2005	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1813	1.0289
9/3/2005	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1883	1.0683
9/4/2005	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2017	1.1445
9/5/2005	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2174	1.2333
9/6/2005	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2281	1.2940
9/7/2005	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2376	1.3484
9/8/2005	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2407	1.3659
9/9/2005	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2407	1.3659
9/10/2005	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2407	1.3659
9/11/2005	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2407	1.3659
9/12/2005	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2424	1.3754
9/13/2005	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2477	1.4055
9/14/2005	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2494	1.4150
9/15/2005	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2494	1.4150
9/16/2005	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2477	1.4055
9/17/2005	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2424	1.3754
9/18/2005	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.2234	1.2674
9/19/2005	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.2127	1.2067
9/20/2005	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2111	1.1977
9/21/2005	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2111	1.1977
9/22/2005	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2284	1.2962
9/23/2005	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2444	1.3870
9/24/2005	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2554	1.4494
9/25/2005	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2627	1.4907
9/26/2005	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2644	1.5002
9/27/2005	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2608	1.4796
9/28/2005	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2608	1.4796
9/29/2005	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2651	1.5043
9/30/2005	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2751	1.5609
10/1/2005	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2875	1.6311
10/2/2005	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2974	1.6875
10/3/2005	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3051	1.7311
10/4/2005	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3100	1.7593
10/5/2005	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.3076	1.7457
10/6/2005	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2956	1.6773
10/7/2005	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2667	1.5132
10/8/2005	142	A	35.5	24.3	201.8	0.068	0.387	0.000246407	99.6	99.9	0.0627	0.3559	0.2056	1.1665
10/9/2005	369	A	92.3	63.0	524.3	0.068	0.387	0.000246407	99.6	99.9	0.0241	0.1370	0.1398	0.7932
10/10/2005	208	A	52.0	35.5	295.5	0.068	0.387	0.000246407	99.6	99.9	0.0428	0.2430	0.0830	0.4711
10/11/2005	114	A	28.5	19.5	162.0	0.068	0.387	0.000246407	99.6	99.9	0.0781	0.4433	0.0520	0.2948
10/12/2005	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0597	0.3388
10/13/2005	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.0796	0.4515
10/14/2005	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0928	0.5266
10/15/2005	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.0995	0.5644
10/16/2005	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1065	0.6045
10/17/2005	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1144	0.6490
10/18/2005	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1252	0.7106
10/19/2005	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1338	0.7593

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
10/20/2005	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1381	0.7837
10/21/2005	100	Ae	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.1266	0.7186
10/22/2005	92	Ae	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.1160	0.6585
10/23/2005	74	Ae	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1113	0.6318
10/24/2005	90	Ae	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.1013	0.5748
10/25/2005	96	Ae	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.1022	0.5801
10/26/2005	86	Ae	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.1039	0.5896
10/27/2005	80	Ae	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1017	0.5768
10/28/2005	74	Ae	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1070	0.6072
10/29/2005	70	Ae	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1156	0.6561
10/30/2005	68	Ae	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1225	0.6950
10/31/2005	68	Ae	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1274	0.7228
11/1/2005	68	Ae	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1300	0.7379
11/2/2005	67	Ae	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1315	0.7460
11/3/2005	66	Ae	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1325	0.7516
11/4/2005	64	Ae	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1345	0.7632
11/5/2005	64	Ae	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1366	0.7748
11/6/2005	63	Ae	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1387	0.7868
11/7/2005	62	Ae	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1408	0.7991
11/8/2005	62	Ae	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1420	0.8055
11/9/2005	61	Ae	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1437	0.8152
11/10/2005	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1431	0.8121
11/11/2005	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1437	0.8154
11/12/2005	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1431	0.8122
11/13/2005	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1425	0.8089
11/14/2005	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1437	0.8152
11/15/2005	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1414	0.8025
11/16/2005	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1388	0.7877
11/17/2005	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.1288	0.7309
11/18/2005	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.1188	0.6740
11/19/2005	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1142	0.6481
11/20/2005	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1137	0.6454
11/21/2005	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1179	0.6692
11/22/2005	146	A	36.5	24.9	207.5	0.068	0.387	0.000246407	99.6	99.9	0.0610	0.3461	0.1073	0.6088
11/23/2005	195	A	48.8	33.3	277.1	0.068	0.387	0.000246407	99.6	99.9	0.0457	0.2592	0.0890	0.5052
11/24/2005	156	A	39.0	26.6	221.7	0.068	0.387	0.000246407	99.6	99.9	0.0571	0.3240	0.0710	0.4030
11/25/2005	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0592	0.3359
11/26/2005	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0649	0.3685
11/27/2005	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0770	0.4367
11/28/2005	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.0859	0.4874
11/29/2005	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0906	0.5140
11/30/2005	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.0860	0.4877
12/1/2005	139	A	34.8	23.7	197.5	0.068	0.387	0.000246407	99.6	99.9	0.0641	0.3636	0.0785	0.4457
12/2/2005	129	A	32.3	22.0	183.3	0.068	0.387	0.000246407	99.6	99.9	0.0690	0.3918	0.0726	0.4120
12/3/2005	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.0690	0.3916
12/4/2005	129	A	32.3	22.0	183.3	0.068	0.387	0.000246407	99.6	99.9	0.0690	0.3918	0.0699	0.3966
12/5/2005	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.0703	0.3986
12/6/2005	139	A	34.8	23.7	197.5	0.068	0.387	0.000246407	99.6	99.9	0.0641	0.3636	0.0690	0.3916
12/7/2005	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0668	0.3789
12/8/2005	120	A	30.0	20.5	170.5	0.068	0.387	0.000246407	99.6	99.9	0.0742	0.4211	0.0681	0.3863
12/9/2005	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.0681	0.3863
12/10/2005	163	A	40.8	27.8	231.6	0.068	0.387	0.000246407	99.6	99.9	0.0546	0.3100	0.0657	0.3729
12/11/2005	167	A	41.8	28.5	237.3	0.068	0.387	0.000246407	99.6	99.9	0.0533	0.3026	0.0619	0.3514
12/12/2005	155	A	38.8	26.5	220.2	0.068	0.387	0.000246407	99.6	99.9	0.0575	0.3260	0.0577	0.3276
12/13/2005	142	A	35.5	24.3	201.8	0.068	0.387	0.000246407	99.6	99.9	0.0627	0.3559	0.0570	0.3237
12/14/2005	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0608	0.3448

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
12/15/2005	125	A	31.3	21.4	177.6	0.068	0.387	0.000246407	99.6	99.9	0.0713	0.4043	0.0653	0.3703
12/16/2005	193	A	48.3	33.0	274.2	0.068	0.387	0.000246407	99.6	99.9	0.0461	0.2619	0.0624	0.3542
12/17/2005	243	A	60.8	41.5	345.3	0.068	0.387	0.000246407	99.6	99.9	0.0367	0.2080	0.0559	0.3172
12/18/2005	200	A	50.0	34.2	284.2	0.068	0.387	0.000246407	99.6	99.9	0.0445	0.2527	0.0496	0.2817
12/19/2005	166	A	41.5	28.4	235.9	0.068	0.387	0.000246407	99.6	99.9	0.0537	0.3044	0.0452	0.2567
12/20/2005	152	A	38.0	26.0	216.0	0.068	0.387	0.000246407	99.6	99.9	0.0586	0.3325	0.0484	0.2744
12/21/2005	145	A	36.3	24.8	206.0	0.068	0.387	0.000246407	99.6	99.9	0.0614	0.3485	0.0546	0.3095
12/22/2005	140	A	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.0593	0.3366
12/23/2005	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.0623	0.3534
12/24/2005	135	A	33.8	23.1	191.8	0.068	0.387	0.000246407	99.6	99.9	0.0660	0.3743	0.0641	0.3639
12/25/2005	140	A	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.0647	0.3670
12/26/2005	147	A	36.8	25.1	208.9	0.068	0.387	0.000246407	99.6	99.9	0.0606	0.3438	0.0639	0.3627
12/27/2005	141	A	35.3	24.1	200.3	0.068	0.387	0.000246407	99.6	99.9	0.0632	0.3584	0.0633	0.3594
12/28/2005	134	A	33.5	22.9	190.4	0.068	0.387	0.000246407	99.6	99.9	0.0665	0.3771	0.0635	0.3601
12/29/2005	139	A	34.8	23.7	197.5	0.068	0.387	0.000246407	99.6	99.9	0.0641	0.3636	0.0636	0.3607
12/30/2005	157	A	39.3	26.8	223.1	0.068	0.387	0.000246407	99.6	99.9	0.0567	0.3219	0.0626	0.3553
12/31/2005	150	A	37.5	25.6	213.1	0.068	0.387	0.000246407	99.6	99.9	0.0594	0.3369	0.0617	0.3499
1/1/2006	141	A	35.3	24.1	200.3	0.068	0.387	0.000246407	99.6	99.9	0.0632	0.3584	0.0608	0.3452
1/2/2006	138	A	34.5	23.6	196.1	0.068	0.387	0.000246407	99.6	99.9	0.0645	0.3662	0.0610	0.3459
1/3/2006	194	A	48.5	33.1	275.7	0.068	0.387	0.000246407	99.6	99.9	0.0459	0.2605	0.0582	0.3305
1/4/2006	235	A	58.8	40.1	333.9	0.068	0.387	0.000246407	99.6	99.9	0.0379	0.2151	0.0529	0.3000
1/5/2006	197	A	49.3	33.7	279.9	0.068	0.387	0.000246407	99.6	99.9	0.0452	0.2565	0.0484	0.2746
1/6/2006	175	A	43.8	29.9	248.7	0.068	0.387	0.000246407	99.6	99.9	0.0509	0.2888	0.0450	0.2552
1/7/2006	160	A	40.0	27.3	227.3	0.068	0.387	0.000246407	99.6	99.9	0.0557	0.3159	0.0474	0.2691
1/8/2006	152	A	38.0	26.0	216.0	0.068	0.387	0.000246407	99.6	99.9	0.0586	0.3325	0.0526	0.2984
1/9/2006	143	A	35.8	24.4	203.2	0.068	0.387	0.000246407	99.6	99.9	0.0623	0.3534	0.0569	0.3226
1/10/2006	140	A	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.0600	0.3407
1/11/2006	142	A	35.5	24.3	201.8	0.068	0.387	0.000246407	99.6	99.9	0.0627	0.3559	0.0618	0.3507
1/12/2006	139	A	34.8	23.7	197.5	0.068	0.387	0.000246407	99.6	99.9	0.0641	0.3636	0.0632	0.3585
1/13/2006	137	A	34.3	23.4	194.7	0.068	0.387	0.000246407	99.6	99.9	0.0650	0.3689	0.0639	0.3623
1/14/2006	166	A	41.5	28.4	235.9	0.068	0.387	0.000246407	99.6	99.9	0.0537	0.3044	0.0614	0.3482
1/15/2006	193	A	48.3	33.0	274.2	0.068	0.387	0.000246407	99.6	99.9	0.0461	0.2619	0.0572	0.3247
1/16/2006	164	A	41.0	28.0	233.0	0.068	0.387	0.000246407	99.6	99.9	0.0543	0.3082	0.0548	0.3108
1/17/2006	146	A	36.5	24.9	207.5	0.068	0.387	0.000246407	99.6	99.9	0.0610	0.3461	0.0538	0.3051
1/18/2006	166	A	41.5	28.4	235.9	0.068	0.387	0.000246407	99.6	99.9	0.0537	0.3044	0.0538	0.3051
1/19/2006	209	A	52.3	35.7	297.0	0.068	0.387	0.000246407	99.6	99.9	0.0426	0.2418	0.0529	0.3001
1/20/2006	192	A	48.0	32.8	272.8	0.068	0.387	0.000246407	99.6	99.9	0.0464	0.2632	0.0509	0.2889
1/21/2006	168	A	42.0	28.7	238.7	0.068	0.387	0.000246407	99.6	99.9	0.0530	0.3008	0.0489	0.2776
1/22/2006	157	A	39.3	26.8	223.1	0.068	0.387	0.000246407	99.6	99.9	0.0567	0.3219	0.0497	0.2819
1/23/2006	217	A	54.3	37.1	308.3	0.068	0.387	0.000246407	99.6	99.9	0.0410	0.2329	0.0493	0.2797
1/24/2006	365	A	91.3	62.4	518.6	0.068	0.387	0.000246407	99.6	99.9	0.0244	0.1385	0.0438	0.2485
1/25/2006	281	A	70.3	48.0	399.3	0.068	0.387	0.000246407	99.6	99.9	0.0317	0.1798	0.0385	0.2183
1/26/2006	213	A	53.3	36.4	302.7	0.068	0.387	0.000246407	99.6	99.9	0.0418	0.2373	0.0347	0.1971
1/27/2006	187	A	46.8	31.9	265.7	0.068	0.387	0.000246407	99.6	99.9	0.0476	0.2703	0.0364	0.2065
1/28/2006	174	A	43.5	29.7	247.2	0.068	0.387	0.000246407	99.6	99.9	0.0512	0.2904	0.0431	0.2445
1/29/2006	168	A	42.0	28.7	238.7	0.068	0.387	0.000246407	99.6	99.9	0.0530	0.3008	0.0484	0.2747
1/30/2006	166	A	41.5	28.4	235.9	0.068	0.387	0.000246407	99.6	99.9	0.0537	0.3044	0.0514	0.2915
1/31/2006	163	A	40.8	27.8	231.6	0.068	0.387	0.000246407	99.6	99.9	0.0546	0.3100	0.0531	0.3014
2/1/2006	156	A	39.0	26.6	221.7	0.068	0.387	0.000246407	99.6	99.9	0.0571	0.3240	0.0546	0.3098
2/2/2006	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0564	0.3200
2/3/2006	149	A	37.3	25.5	211.7	0.068	0.387	0.000246407	99.6	99.9	0.0598	0.3392	0.0579	0.3287
2/4/2006	154	A	38.5	26.3	218.8	0.068	0.387	0.000246407	99.6	99.9	0.0578	0.3282	0.0587	0.3332
2/5/2006	158	A	39.5	27.0	224.5	0.068	0.387	0.000246407	99.6	99.9	0.0564	0.3199	0.0585	0.3322
2/6/2006	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0585	0.3322
2/7/2006	141	A	35.3	24.1	200.3	0.068	0.387	0.000246407	99.6	99.9	0.0632	0.3584	0.0594	0.3370
2/8/2006	137	A	34.3	23.4	194.7	0.068	0.387	0.000246407	99.6	99.9	0.0650	0.3689	0.0612	0.3472

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
2/9/2006	133	A	33.3	22.7	189.0	0.068	0.387	0.000246407	99.6	99.9	0.0670	0.3800	0.0638	0.3622
2/10/2006	127	A	31.8	21.7	180.5	0.068	0.387	0.000246407	99.6	99.9	0.0701	0.3979	0.0663	0.3763
2/11/2006	131	A	32.8	22.4	186.1	0.068	0.387	0.000246407	99.6	99.9	0.0680	0.3858	0.0675	0.3831
2/12/2006	201	A	50.3	34.3	285.6	0.068	0.387	0.000246407	99.6	99.9	0.0443	0.2514	0.0623	0.3538
2/13/2006	205	A	51.3	35.0	291.3	0.068	0.387	0.000246407	99.6	99.9	0.0434	0.2465	0.0565	0.3204
2/14/2006	182	A	45.5	31.1	258.6	0.068	0.387	0.000246407	99.6	99.9	0.0489	0.2777	0.0512	0.2904
2/15/2006	170	A	42.5	29.0	241.6	0.068	0.387	0.000246407	99.6	99.9	0.0524	0.2973	0.0473	0.2682
2/16/2006	162	A	40.5	27.7	230.2	0.068	0.387	0.000246407	99.6	99.9	0.0550	0.3120	0.0499	0.2834
2/17/2006	162	A	40.5	27.7	230.2	0.068	0.387	0.000246407	99.6	99.9	0.0550	0.3120	0.0528	0.2997
2/18/2006	156	A	39.0	26.6	221.7	0.068	0.387	0.000246407	99.6	99.9	0.0571	0.3240	0.0549	0.3113
2/19/2006	145	A	36.3	24.8	206.0	0.068	0.387	0.000246407	99.6	99.9	0.0614	0.3485	0.0571	0.3241
2/20/2006	140	A	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.0593	0.3364
2/21/2006	140	A	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.0614	0.3486
2/22/2006	139	A	34.8	23.7	197.5	0.068	0.387	0.000246407	99.6	99.9	0.0641	0.3636	0.0632	0.3585
2/23/2006	139	A	34.8	23.7	197.5	0.068	0.387	0.000246407	99.6	99.9	0.0641	0.3636	0.0638	0.3623
2/24/2006	135	A	33.8	23.1	191.8	0.068	0.387	0.000246407	99.6	99.9	0.0660	0.3743	0.0644	0.3656
2/25/2006	127	A	31.8	21.7	180.5	0.068	0.387	0.000246407	99.6	99.9	0.0701	0.3979	0.0661	0.3749
2/26/2006	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0681	0.3867
2/27/2006	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0710	0.4029
2/28/2006	119	A	29.8	20.3	169.1	0.068	0.387	0.000246407	99.6	99.9	0.0748	0.4247	0.0732	0.4154
3/1/2006	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0746	0.4230
3/2/2006	120	A	30.0	20.5	170.5	0.068	0.387	0.000246407	99.6	99.9	0.0742	0.4211	0.0750	0.4256
3/3/2006	119	A	29.8	20.3	169.1	0.068	0.387	0.000246407	99.6	99.9	0.0748	0.4247	0.0748	0.4247
3/4/2006	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0758	0.4303
3/5/2006	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0776	0.4402
3/6/2006	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0798	0.4530
3/7/2006	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0821	0.4661
3/8/2006	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0840	0.4769
3/9/2006	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0851	0.4826
3/10/2006	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.0857	0.4860
3/11/2006	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0869	0.4932
3/12/2006	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0880	0.4994
3/13/2006	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0891	0.5057
3/14/2006	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0907	0.5144
3/15/2006	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0937	0.5317
3/16/2006	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.0981	0.5568
3/17/2006	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1029	0.5839
3/18/2006	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1074	0.6096
3/19/2006	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1100	0.6240
3/20/2006	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1106	0.6278
3/21/2006	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1110	0.6298
3/22/2006	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1117	0.6337
3/23/2006	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1131	0.6420
3/24/2006	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1158	0.6572
3/25/2006	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1181	0.6700
3/26/2006	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1208	0.6855
3/27/2006	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1229	0.6972
3/28/2006	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1246	0.7073
3/29/2006	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1273	0.7223
3/30/2006	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1291	0.7326
3/31/2006	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1305	0.7405
4/1/2006	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1305	0.7405
4/2/2006	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1325	0.7521
4/3/2006	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1375	0.7805
4/4/2006	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1413	0.8018
4/5/2006	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1481	0.8403

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
4/6/2006	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1545	0.8769
4/7/2006	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1580	0.8967
4/8/2006	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1606	0.9112
4/9/2006	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1606	0.9112
4/10/2006	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1598	0.9070
4/11/2006	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1614	0.9160
4/12/2006	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1660	0.9421
4/13/2006	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1690	0.9588
4/14/2006	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1676	0.9507
4/15/2006	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1612	0.9149
4/16/2006	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1547	0.8777
4/17/2006	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1517	0.8610
4/18/2006	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1524	0.8650
4/19/2006	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1572	0.8918
4/20/2006	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1613	0.9152
4/21/2006	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1642	0.9319
4/22/2006	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1554	0.8818
4/23/2006	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.1392	0.7898
4/24/2006	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1298	0.7363
4/25/2006	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1237	0.7017
4/26/2006	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1332	0.7559
4/27/2006	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1494	0.8480
4/28/2006	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1596	0.9058
4/29/2006	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1674	0.9498
4/30/2006	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1706	0.9678
5/1/2006	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1739	0.9865
5/2/2006	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1755	0.9959
5/3/2006	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1755	0.9959
5/4/2006	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1755	0.9959
5/5/2006	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1746	0.9909
5/6/2006	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1755	0.9959
5/7/2006	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1813	1.0289
5/8/2006	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1831	1.0390
5/9/2006	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1868	1.0601
5/10/2006	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1929	1.0946
5/11/2006	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1918	1.0885
5/12/2006	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1753	0.9947
5/13/2006	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1627	0.9233
5/14/2006	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1505	0.8540
5/15/2006	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1380	0.7831
5/16/2006	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1450	0.8228
5/17/2006	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1486	0.8432
5/18/2006	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1522	0.8638
5/19/2006	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1561	0.8856
5/20/2006	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1622	0.9202
5/21/2006	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1683	0.9551
5/22/2006	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1727	0.9799
5/23/2006	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1803	1.0231
5/24/2006	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1857	1.0535
5/25/2006	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1885	1.0697
5/26/2006	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1885	1.0697
5/27/2006	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1885	1.0697
5/28/2006	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1906	1.0816
5/29/2006	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1938	1.0999
5/30/2006	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1981	1.1239
5/31/2006	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2037	1.1559

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
6/1/2006	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2085	1.1833
6/2/2006	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1912	1.0847
6/3/2006	164	A	41.0	28.0	233.0	0.068	0.387	0.000246407	99.6	99.9	0.0543	0.3082	0.1541	0.8746
6/4/2006	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.1219	0.6918
6/5/2006	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1009	0.5723
6/6/2006	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1060	0.6015
6/7/2006	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1322	0.7501
6/8/2006	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1550	0.8797
6/9/2006	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1646	0.9341
6/10/2006	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1717	0.9742
6/11/2006	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1825	1.0357
6/12/2006	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1883	1.0687
6/13/2006	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1939	1.1004
6/14/2006	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1949	1.1058
6/15/2006	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1855	1.0526
6/16/2006	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1844	1.0465
6/17/2006	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.1890	1.0727
6/18/2006	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.1983	1.1253
6/19/2006	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2157	1.2238
6/20/2006	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.2109	1.1969
6/21/2006	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.2074	1.1768
6/22/2006	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2074	1.1768
6/23/2006	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2031	1.1525
6/24/2006	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2101	1.1919
6/25/2006	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.1848	1.0485
6/26/2006	574	A	143.5	98.1	815.6	0.068	0.387	0.000246407	99.6	99.9	0.0155	0.0880	0.1330	0.7546
6/27/2006	390	A	97.5	66.6	554.2	0.068	0.387	0.000246407	99.6	99.9	0.0228	0.1296	0.0844	0.4789
6/28/2006	280	A	70.0	47.8	397.9	0.068	0.387	0.000246407	99.6	99.9	0.0318	0.1805	0.0417	0.2369
6/29/2006	313	A	78.3	53.5	444.7	0.068	0.387	0.000246407	99.6	99.9	0.0285	0.1615	0.0247	0.1399
6/30/2006	184	A	46.0	31.4	261.4	0.068	0.387	0.000246407	99.6	99.9	0.0484	0.2747	0.0329	0.1865
7/1/2006	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0454	0.2577
7/2/2006	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.0622	0.3530
7/3/2006	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0761	0.4318
7/4/2006	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.0854	0.4846
7/5/2006	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0864	0.4900
7/6/2006	157	A	39.3	26.8	223.1	0.068	0.387	0.000246407	99.6	99.9	0.0567	0.3219	0.0758	0.4301
7/7/2006	183	A	45.8	31.3	260.0	0.068	0.387	0.000246407	99.6	99.9	0.0487	0.2762	0.0670	0.3799
7/8/2006	138	A	34.5	23.6	196.1	0.068	0.387	0.000246407	99.6	99.9	0.0645	0.3662	0.0617	0.3500
7/9/2006	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.0637	0.3614
7/10/2006	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.0740	0.4198
7/11/2006	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.0883	0.5011
7/12/2006	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1004	0.5695
7/13/2006	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1097	0.6222
7/14/2006	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1114	0.6320
7/15/2006	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1124	0.6376
7/16/2006	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1143	0.6484
7/17/2006	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1170	0.6639
7/18/2006	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1279	0.7259
7/19/2006	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1417	0.8038
7/20/2006	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1552	0.8808
7/21/2006	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1684	0.9555
7/22/2006	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1718	0.9746
7/23/2006	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1633	0.9265
7/24/2006	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1561	0.8858
7/25/2006	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1543	0.8753
7/26/2006	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1622	0.9203

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
7/27/2006	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.1812	1.0283
7/28/2006	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1953	1.1083
7/29/2006	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1953	1.1083
7/30/2006	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1953	1.1083
7/31/2006	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.1953	1.1083
8/1/2006	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2018	1.1451
8/2/2006	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2175	1.2339
8/3/2006	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2292	1.3007
8/4/2006	57	Ae	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.2165	1.2285
8/5/2006	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2213	1.2555
8/6/2006	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2247	1.2751
8/7/2006	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2216	1.2575
8/8/2006	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2369	1.3440
8/9/2006	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2321	1.3170
8/10/2006	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2242	1.2719
8/11/2006	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2214	1.2561
8/12/2006	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2242	1.2719
8/13/2006	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2257	1.2804
8/14/2006	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2318	1.3155
8/15/2006	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2394	1.3583
8/16/2006	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2425	1.3759
8/17/2006	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2475	1.4044
8/18/2006	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2511	1.4250
8/19/2006	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2548	1.4456
8/20/2006	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2582	1.4652
8/21/2006	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2601	1.4758
8/22/2006	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2601	1.4758
8/23/2006	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2642	1.4990
8/24/2006	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2562	1.4539
8/25/2006	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.2362	1.3401
8/26/2006	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2293	1.3010
8/27/2006	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2233	1.2672
8/28/2006	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2331	1.3229
8/29/2006	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2532	1.4367
8/30/2006	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2582	1.4652
8/31/2006	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2517	1.4281
9/1/2006	133	A	33.3	22.7	189.0	0.068	0.387	0.000246407	99.6	99.9	0.0670	0.3800	0.2029	1.1515
9/2/2006	311	A	77.8	53.1	441.9	0.068	0.387	0.000246407	99.6	99.9	0.0286	0.1625	0.1446	0.8206
9/3/2006	243	A	60.8	41.5	345.3	0.068	0.387	0.000246407	99.6	99.9	0.0367	0.2080	0.0902	0.5116
9/4/2006	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0537	0.3046
9/5/2006	84	Ae	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.0634	0.3600
9/6/2006	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.0848	0.4814
9/7/2006	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1058	0.6001
9/8/2006	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1170	0.6636
9/9/2006	70	Ae	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1223	0.6937
9/10/2006	69	Ae	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1260	0.7148
9/11/2006	66	Ae	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1296	0.7355
9/12/2006	63	Ae	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1332	0.7556
9/13/2006	61	Ae	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1379	0.7822
9/14/2006	71	Ae	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1369	0.7770
9/15/2006	80	Ae	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1310	0.7435
9/16/2006	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1275	0.7235
9/17/2006	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1275	0.7235
9/18/2006	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1382	0.7839
9/19/2006	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1516	0.8600
9/20/2006	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1643	0.9322

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
9/21/2006	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1762	0.9997
9/22/2006	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.1872	1.0621
9/23/2006	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.1990	1.1290
9/24/2006	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2074	1.1771
9/25/2006	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2147	1.2183
9/26/2006	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2174	1.2333
9/27/2006	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2200	1.2484
9/28/2006	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2213	1.2557
9/29/2006	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2213	1.2557
9/30/2006	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2242	1.2723
10/1/2006	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2257	1.2804
10/2/2006	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2299	1.3048
10/3/2006	35	Ae	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2379	1.3499
10/4/2006	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2468	1.4003
10/5/2006	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2593	1.4711
10/6/2006	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.2289	1.2986
10/7/2006	125	A	31.3	21.4	177.6	0.068	0.387	0.000246407	99.6	99.9	0.0713	0.4043	0.1831	1.0387
10/8/2006	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.1385	0.7861
10/9/2006	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1008	0.5717
10/10/2006	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1103	0.6260
10/11/2006	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1309	0.7427
10/12/2006	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1376	0.7809
10/13/2006	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1381	0.7835
10/14/2006	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1357	0.7699
10/15/2006	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1357	0.7699
10/16/2006	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1465	0.8312
10/17/2006	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1501	0.8519
10/18/2006	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1426	0.8093
10/19/2006	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1331	0.7555
10/20/2006	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1236	0.7013
10/21/2006	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1219	0.6919
10/22/2006	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1306	0.7411
10/23/2006	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1382	0.7841
10/24/2006	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1450	0.8228
10/25/2006	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1491	0.8462
10/26/2006	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1517	0.8607
10/27/2006	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1517	0.8607
10/28/2006	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.1369	0.7769
10/29/2006	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.1197	0.6794
10/30/2006	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.1066	0.6046
10/31/2006	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1001	0.5682
11/1/2006	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1099	0.6238
11/2/2006	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1215	0.6892
11/3/2006	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1298	0.7367
11/4/2006	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1345	0.7634
11/5/2006	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1366	0.7750
11/6/2006	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1386	0.7866
11/7/2006	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1386	0.7866
11/8/2006	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.1291	0.7328
11/9/2006	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.1168	0.6630
11/10/2006	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.1060	0.6014
11/11/2006	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.0992	0.5630
11/12/2006	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0966	0.5484
11/13/2006	203	A	50.8	34.7	288.4	0.068	0.387	0.000246407	99.6	99.9	0.0439	0.2490	0.0851	0.4830
11/14/2006	252	A	63.0	43.0	358.1	0.068	0.387	0.000246407	99.6	99.9	0.0353	0.2005	0.0700	0.3973
11/15/2006	179	A	44.8	30.6	254.3	0.068	0.387	0.000246407	99.6	99.9	0.0498	0.2823	0.0550	0.3119

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
11/16/2006	151	A	37.8	25.8	214.6	0.068	0.387	0.000246407	99.6	99.9	0.0590	0.3347	0.0470	0.2666
11/17/2006	152	A	38.0	26.0	216.0	0.068	0.387	0.000246407	99.6	99.9	0.0586	0.3325	0.0507	0.2875
11/18/2006	151	A	37.8	25.8	214.6	0.068	0.387	0.000246407	99.6	99.9	0.0590	0.3347	0.0566	0.3210
11/19/2006	138	A	34.5	23.6	196.1	0.068	0.387	0.000246407	99.6	99.9	0.0645	0.3662	0.0603	0.3420
11/20/2006	132	A	33.0	22.5	187.6	0.068	0.387	0.000246407	99.6	99.9	0.0675	0.3829	0.0624	0.3541
11/21/2006	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0659	0.3737
11/22/2006	143	A	35.8	24.4	203.2	0.068	0.387	0.000246407	99.6	99.9	0.0623	0.3534	0.0667	0.3783
11/23/2006	318	A	79.5	54.3	451.8	0.068	0.387	0.000246407	99.6	99.9	0.0280	0.1589	0.0575	0.3265
11/24/2006	504	A	126.0	86.1	716.1	0.068	0.387	0.000246407	99.6	99.9	0.0177	0.1003	0.0451	0.2559
11/25/2006	321	A	80.3	54.8	456.1	0.068	0.387	0.000246407	99.6	99.9	0.0277	0.1574	0.0339	0.1925
11/26/2006	235	A	58.8	40.1	333.9	0.068	0.387	0.000246407	99.6	99.9	0.0379	0.2151	0.0278	0.1579
11/27/2006	202	A	50.5	34.5	287.0	0.068	0.387	0.000246407	99.6	99.9	0.0441	0.2502	0.0319	0.1807
11/28/2006	189	A	47.3	32.3	268.6	0.068	0.387	0.000246407	99.6	99.9	0.0471	0.2674	0.0392	0.2225
11/29/2006	180	Ae	45.0	30.7	255.8	0.068	0.387	0.000246407	99.6	99.9	0.0495	0.2808	0.0446	0.2533
11/30/2006	174	A	43.5	29.7	247.2	0.068	0.387	0.000246407	99.6	99.9	0.0512	0.2904	0.0480	0.2722
12/1/2006	167	A	41.8	28.5	237.3	0.068	0.387	0.000246407	99.6	99.9	0.0533	0.3026	0.0503	0.2853
12/2/2006	161	A	40.3	27.5	228.8	0.068	0.387	0.000246407	99.6	99.9	0.0553	0.3139	0.0523	0.2969
12/3/2006	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0545	0.3093
12/4/2006	170	A	42.5	29.0	241.6	0.068	0.387	0.000246407	99.6	99.9	0.0524	0.2973	0.0548	0.3110
12/5/2006	169	A	42.3	28.9	240.1	0.068	0.387	0.000246407	99.6	99.9	0.0527	0.2990	0.0547	0.3101
12/6/2006	159	A	39.8	27.2	225.9	0.068	0.387	0.000246407	99.6	99.9	0.0560	0.3178	0.0548	0.3111
12/7/2006	155	A	38.8	26.5	220.2	0.068	0.387	0.000246407	99.6	99.9	0.0575	0.3260	0.0546	0.3101
12/8/2006	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0566	0.3211
12/9/2006	138	A	34.5	23.6	196.1	0.068	0.387	0.000246407	99.6	99.9	0.0645	0.3662	0.0595	0.3379
12/10/2006	134	A	33.5	22.9	190.4	0.068	0.387	0.000246407	99.6	99.9	0.0665	0.3771	0.0622	0.3527
12/11/2006	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0652	0.3699
12/12/2006	126	A	31.5	21.5	179.0	0.068	0.387	0.000246407	99.6	99.9	0.0707	0.4011	0.0678	0.3848
12/13/2006	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0691	0.3920
12/14/2006	132	A	33.0	22.5	187.6	0.068	0.387	0.000246407	99.6	99.9	0.0675	0.3829	0.0693	0.3934
12/15/2006	124	A	31.0	21.2	176.2	0.068	0.387	0.000246407	99.6	99.9	0.0718	0.4076	0.0699	0.3966
12/16/2006	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.0706	0.4007
12/17/2006	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.0726	0.4119
12/18/2006	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.0751	0.4260
12/19/2006	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.0765	0.4340
12/20/2006	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0789	0.4477
12/21/2006	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0803	0.4559
12/22/2006	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0820	0.4652
12/23/2006	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.0790	0.4482
12/24/2006	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0753	0.4274
12/25/2006	126	A	31.5	21.5	179.0	0.068	0.387	0.000246407	99.6	99.9	0.0707	0.4011	0.0722	0.4095
12/26/2006	170	A	42.5	29.0	241.6	0.068	0.387	0.000246407	99.6	99.9	0.0524	0.2973	0.0643	0.3647
12/27/2006	169	A	42.3	28.9	240.1	0.068	0.387	0.000246407	99.6	99.9	0.0527	0.2990	0.0611	0.3465
12/28/2006	146	A	36.5	24.9	207.5	0.068	0.387	0.000246407	99.6	99.9	0.0610	0.3461	0.0592	0.3359
12/29/2006	140	A	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.0574	0.3259
12/30/2006	141	A	35.3	24.1	200.3	0.068	0.387	0.000246407	99.6	99.9	0.0632	0.3584	0.0601	0.3411
12/31/2006	125	A	31.3	21.4	177.6	0.068	0.387	0.000246407	99.6	99.9	0.0713	0.4043	0.0648	0.3675
1/1/2007	169	A	42.3	28.9	240.1	0.068	0.387	0.000246407	99.6	99.9	0.0527	0.2990	0.0627	0.3557
1/2/2007	342	A	85.5	58.4	486.0	0.068	0.387	0.000246407	99.6	99.9	0.0260	0.1478	0.0533	0.3024
1/3/2007	301	A	75.3	51.4	427.7	0.068	0.387	0.000246407	99.6	99.9	0.0296	0.1679	0.0449	0.2548
1/4/2007	216	A	54.0	36.9	306.9	0.068	0.387	0.000246407	99.6	99.9	0.0412	0.2340	0.0374	0.2122
1/5/2007	204	A	51.0	34.8	289.9	0.068	0.387	0.000246407	99.6	99.9	0.0437	0.2477	0.0351	0.1993
1/6/2007	216	A	54.0	36.9	306.9	0.068	0.387	0.000246407	99.6	99.9	0.0412	0.2340	0.0389	0.2209
1/7/2007	255	A	63.8	43.6	362.3	0.068	0.387	0.000246407	99.6	99.9	0.0349	0.1982	0.0403	0.2285
1/8/2007	279	A	69.8	47.7	396.4	0.068	0.387	0.000246407	99.6	99.9	0.0319	0.1811	0.0379	0.2153
1/9/2007	372	A	93.0	63.5	528.6	0.068	0.387	0.000246407	99.6	99.9	0.0239	0.1359	0.0330	0.1873
1/10/2007	290	A	72.5	49.5	412.1	0.068	0.387	0.000246407	99.6	99.9	0.0307	0.1743	0.0304	0.1724

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
1/11/2007	226	A	56.5	38.6	321.1	0.068	0.387	0.000246407	99.6	99.9	0.0394	0.2236	0.0315	0.1787
1/12/2007	201	A	50.3	34.3	285.6	0.068	0.387	0.000246407	99.6	99.9	0.0443	0.2514	0.0346	0.1963
1/13/2007	197	A	49.3	33.7	279.9	0.068	0.387	0.000246407	99.6	99.9	0.0452	0.2565	0.0399	0.2265
1/14/2007	194	A	48.5	33.1	275.7	0.068	0.387	0.000246407	99.6	99.9	0.0459	0.2605	0.0437	0.2480
1/15/2007	183	A	45.8	31.3	260.0	0.068	0.387	0.000246407	99.6	99.9	0.0487	0.2762	0.0460	0.2612
1/16/2007	176	A	44.0	30.1	250.1	0.068	0.387	0.000246407	99.6	99.9	0.0506	0.2871	0.0476	0.2701
1/17/2007	166	A	41.5	28.4	235.9	0.068	0.387	0.000246407	99.6	99.9	0.0537	0.3044	0.0497	0.2821
1/18/2007	162	A	40.5	27.7	230.2	0.068	0.387	0.000246407	99.6	99.9	0.0550	0.3120	0.0520	0.2949
1/19/2007	177	A	44.3	30.2	251.5	0.068	0.387	0.000246407	99.6	99.9	0.0503	0.2855	0.0524	0.2973
1/20/2007	171	A	42.8	29.2	243.0	0.068	0.387	0.000246407	99.6	99.9	0.0521	0.2955	0.0528	0.2994
1/21/2007	157	A	39.3	26.8	223.1	0.068	0.387	0.000246407	99.6	99.9	0.0567	0.3219	0.0535	0.3037
1/22/2007	160	A	40.0	27.3	227.3	0.068	0.387	0.000246407	99.6	99.9	0.0557	0.3159	0.0537	0.3047
1/23/2007	162	A	40.5	27.7	230.2	0.068	0.387	0.000246407	99.6	99.9	0.0550	0.3120	0.0549	0.3113
1/24/2007	156	A	39.0	26.6	221.7	0.068	0.387	0.000246407	99.6	99.9	0.0571	0.3240	0.0561	0.3184
1/25/2007	152	A	38.0	26.0	216.0	0.068	0.387	0.000246407	99.6	99.9	0.0586	0.3325	0.0566	0.3211
1/26/2007	143	A	35.8	24.4	203.2	0.068	0.387	0.000246407	99.6	99.9	0.0623	0.3534	0.0582	0.3305
1/27/2007	140	A	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.0604	0.3427
1/28/2007	143	A	35.8	24.4	203.2	0.068	0.387	0.000246407	99.6	99.9	0.0623	0.3534	0.0617	0.3501
1/29/2007	138	A	34.5	23.6	196.1	0.068	0.387	0.000246407	99.6	99.9	0.0645	0.3662	0.0632	0.3585
1/30/2007	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0657	0.3729
1/31/2007	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0681	0.3862
2/1/2007	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.0715	0.4058
2/2/2007	134	A	33.5	22.9	190.4	0.068	0.387	0.000246407	99.6	99.9	0.0665	0.3771	0.0720	0.4085
2/3/2007	133	A	33.3	22.7	189.0	0.068	0.387	0.000246407	99.6	99.9	0.0670	0.3800	0.0706	0.4008
2/4/2007	119	A	29.8	20.3	169.1	0.068	0.387	0.000246407	99.6	99.9	0.0748	0.4247	0.0711	0.4034
2/5/2007	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.0723	0.4103
2/6/2007	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.0782	0.4436
2/7/2007	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.0839	0.4763
2/8/2007	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.0877	0.4977
2/9/2007	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0904	0.5131
2/10/2007	96	Ae	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.0911	0.5171
2/11/2007	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0921	0.5225
2/12/2007	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0930	0.5278
2/13/2007	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.0915	0.5191
2/14/2007	178	A	44.5	30.4	252.9	0.068	0.387	0.000246407	99.6	99.9	0.0500	0.2839	0.0808	0.4584
2/15/2007	203	A	50.8	34.7	288.4	0.068	0.387	0.000246407	99.6	99.9	0.0439	0.2490	0.0683	0.3877
2/16/2007	149	A	37.3	25.5	211.7	0.068	0.387	0.000246407	99.6	99.9	0.0598	0.3392	0.0598	0.3395
2/17/2007	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0555	0.3152
2/18/2007	124	Ae	31.0	21.2	176.2	0.068	0.387	0.000246407	99.6	99.9	0.0718	0.4076	0.0610	0.3461
2/19/2007	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.0691	0.3919
2/20/2007	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0742	0.4209
2/21/2007	119	A	29.8	20.3	169.1	0.068	0.387	0.000246407	99.6	99.9	0.0748	0.4247	0.0758	0.4299
2/22/2007	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0767	0.4350
2/23/2007	120	A	30.0	20.5	170.5	0.068	0.387	0.000246407	99.6	99.9	0.0742	0.4211	0.0762	0.4323
2/24/2007	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0769	0.4366
2/25/2007	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0783	0.4443
2/26/2007	158	A	39.5	27.0	224.5	0.068	0.387	0.000246407	99.6	99.9	0.0564	0.3199	0.0735	0.4171
2/27/2007	155	A	38.8	26.5	220.2	0.068	0.387	0.000246407	99.6	99.9	0.0575	0.3260	0.0693	0.3934
2/28/2007	138	A	34.5	23.6	196.1	0.068	0.387	0.000246407	99.6	99.9	0.0645	0.3662	0.0647	0.3669
3/1/2007	131	A	32.8	22.4	186.1	0.068	0.387	0.000246407	99.6	99.9	0.0680	0.3858	0.0616	0.3495
3/2/2007	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0620	0.3521
3/3/2007	162	A	40.5	27.7	230.2	0.068	0.387	0.000246407	99.6	99.9	0.0550	0.3120	0.0614	0.3486
3/4/2007	144	A	36.0	24.6	204.6	0.068	0.387	0.000246407	99.6	99.9	0.0619	0.3510	0.0608	0.3447
3/5/2007	134	A	33.5	22.9	190.4	0.068	0.387	0.000246407	99.6	99.9	0.0665	0.3771	0.0604	0.3426
3/6/2007	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0639	0.3627
3/7/2007	119	A	29.8	20.3	169.1	0.068	0.387	0.000246407	99.6	99.9	0.0748	0.4247	0.0689	0.3909

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
3/8/2007	118	Ae	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0723	0.4102
3/9/2007	114	Ae	28.5	19.5	162.0	0.068	0.387	0.000246407	99.6	99.9	0.0781	0.4433	0.0752	0.4268
3/10/2007	112	A	28.0	19.1	159.1	0.068	0.387	0.000246407	99.6	99.9	0.0795	0.4512	0.0770	0.4369
3/11/2007	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0783	0.4445
3/12/2007	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0822	0.4664
3/13/2007	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0854	0.4845
3/14/2007	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.0897	0.5090
3/15/2007	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0924	0.5241
3/16/2007	150	A	37.5	25.6	213.1	0.068	0.387	0.000246407	99.6	99.9	0.0594	0.3369	0.0845	0.4794
3/17/2007	338	A	84.5	57.7	480.3	0.068	0.387	0.000246407	99.6	99.9	0.0264	0.1495	0.0684	0.3879
3/18/2007	321	A	80.3	54.8	456.1	0.068	0.387	0.000246407	99.6	99.9	0.0277	0.1574	0.0511	0.2899
3/19/2007	208	A	52.0	35.5	295.5	0.068	0.387	0.000246407	99.6	99.9	0.0428	0.2430	0.0391	0.2217
3/20/2007	179	A	44.8	30.6	254.3	0.068	0.387	0.000246407	99.6	99.9	0.0498	0.2823	0.0367	0.2081
3/21/2007	167	A	41.8	28.5	237.3	0.068	0.387	0.000246407	99.6	99.9	0.0533	0.3026	0.0434	0.2463
3/22/2007	157	A	39.3	26.8	223.1	0.068	0.387	0.000246407	99.6	99.9	0.0567	0.3219	0.0507	0.2875
3/23/2007	156	A	39.0	26.6	221.7	0.068	0.387	0.000246407	99.6	99.9	0.0571	0.3240	0.0542	0.3077
3/24/2007	154	A	38.5	26.3	218.8	0.068	0.387	0.000246407	99.6	99.9	0.0578	0.3282	0.0562	0.3192
3/25/2007	150	A	37.5	25.6	213.1	0.068	0.387	0.000246407	99.6	99.9	0.0594	0.3369	0.0578	0.3277
3/26/2007	141	A	35.3	24.1	200.3	0.068	0.387	0.000246407	99.6	99.9	0.0632	0.3584	0.0594	0.3369
3/27/2007	142	A	35.5	24.3	201.8	0.068	0.387	0.000246407	99.6	99.9	0.0627	0.3559	0.0608	0.3448
3/28/2007	137	A	34.3	23.4	194.7	0.068	0.387	0.000246407	99.6	99.9	0.0650	0.3689	0.0626	0.3550
3/29/2007	131	A	32.8	22.4	186.1	0.068	0.387	0.000246407	99.6	99.9	0.0680	0.3858	0.0647	0.3672
3/30/2007	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0663	0.3763
3/31/2007	124	A	31.0	21.2	176.2	0.068	0.387	0.000246407	99.6	99.9	0.0718	0.4076	0.0686	0.3893
4/1/2007	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0697	0.3957
4/2/2007	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0708	0.4020
4/3/2007	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.0725	0.4113
4/4/2007	132	A	33.0	22.5	187.6	0.068	0.387	0.000246407	99.6	99.9	0.0675	0.3829	0.0714	0.4051
4/5/2007	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0686	0.3890
4/6/2007	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0676	0.3835
4/7/2007	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.0670	0.3799
4/8/2007	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.0694	0.3940
4/9/2007	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0759	0.4307
4/10/2007	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0798	0.4527
4/11/2007	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.0839	0.4759
4/12/2007	135	A	33.8	23.1	191.8	0.068	0.387	0.000246407	99.6	99.9	0.0660	0.3743	0.0810	0.4596
4/13/2007	143	A	35.8	24.4	203.2	0.068	0.387	0.000246407	99.6	99.9	0.0623	0.3534	0.0756	0.4287
4/14/2007	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.0736	0.4175
4/15/2007	152	A	38.0	26.0	216.0	0.068	0.387	0.000246407	99.6	99.9	0.0586	0.3325	0.0657	0.3730
4/16/2007	349	A	87.3	59.6	495.9	0.068	0.387	0.000246407	99.6	99.9	0.0255	0.1448	0.0556	0.3157
4/17/2007	384	A	96.0	65.6	545.6	0.068	0.387	0.000246407	99.6	99.9	0.0232	0.1316	0.0459	0.2602
4/18/2007	233	A	58.3	39.8	331.1	0.068	0.387	0.000246407	99.6	99.9	0.0382	0.2169	0.0364	0.2064
4/19/2007	190	A	47.5	32.5	270.0	0.068	0.387	0.000246407	99.6	99.9	0.0469	0.2660	0.0335	0.1898
4/20/2007	167	A	41.8	28.5	237.3	0.068	0.387	0.000246407	99.6	99.9	0.0533	0.3026	0.0404	0.2293
4/21/2007	163	A	40.8	27.8	231.6	0.068	0.387	0.000246407	99.6	99.9	0.0546	0.3100	0.0483	0.2739
4/22/2007	142	A	35.5	24.3	201.8	0.068	0.387	0.000246407	99.6	99.9	0.0627	0.3559	0.0544	0.3086
4/23/2007	132	A	33.0	22.5	187.6	0.068	0.387	0.000246407	99.6	99.9	0.0675	0.3829	0.0595	0.3379
4/24/2007	131	A	32.8	22.4	186.1	0.068	0.387	0.000246407	99.6	99.9	0.0680	0.3858	0.0632	0.3586
4/25/2007	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0669	0.3798
4/26/2007	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0684	0.3881
4/27/2007	140	A	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.0674	0.3826
4/28/2007	149	A	37.3	25.5	211.7	0.068	0.387	0.000246407	99.6	99.9	0.0598	0.3392	0.0654	0.3709
4/29/2007	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0651	0.3694
4/30/2007	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.0670	0.3802
5/1/2007	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0712	0.4038
5/2/2007	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.0765	0.4339

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
5/3/2007	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0803	0.4559
5/4/2007	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0829	0.4705
5/5/2007	104	A	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.0843	0.4782
5/6/2007	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0850	0.4825
5/7/2007	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0875	0.4963
5/8/2007	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.0906	0.5140
5/9/2007	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.0942	0.5345
5/10/2007	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0985	0.5589
5/11/2007	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1013	0.5745
5/12/2007	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1040	0.5901
5/13/2007	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.1019	0.5784
5/14/2007	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1035	0.5871
5/15/2007	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1055	0.5984
5/16/2007	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1073	0.6086
5/17/2007	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1111	0.6306
5/18/2007	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1129	0.6404
5/19/2007	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1140	0.6467
5/20/2007	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1136	0.6445
5/21/2007	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1195	0.6781
5/22/2007	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1257	0.7135
5/23/2007	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1324	0.7511
5/24/2007	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1406	0.7976
5/25/2007	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1462	0.8296
5/26/2007	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1479	0.8393
5/27/2007	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1518	0.8611
5/28/2007	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1559	0.8845
5/29/2007	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1620	0.9194
5/30/2007	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1719	0.9755
5/31/2007	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1785	1.0131
6/1/2007	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1847	1.0479
6/2/2007	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1908	1.0824
6/3/2007	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1766	1.0023
6/4/2007	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.1493	0.8470
6/5/2007	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1320	0.7490
6/6/2007	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1198	0.6797
6/7/2007	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1280	0.7263
6/8/2007	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1510	0.8567
6/9/2007	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1645	0.9337
6/10/2007	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1735	0.9846
6/11/2007	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1776	1.0076
6/12/2007	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1810	1.0271
6/13/2007	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1837	1.0426
6/14/2007	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1858	1.0545
6/15/2007	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1887	1.0706
6/16/2007	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1896	1.0760
6/17/2007	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1916	1.0874
6/18/2007	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.1952	1.1075
6/19/2007	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2049	1.1626
6/20/2007	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2128	1.2076
6/21/2007	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2174	1.2337
6/22/2007	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2263	1.2839
6/23/2007	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2347	1.3315
6/24/2007	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2522	1.4309
6/25/2007	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2647	1.5017
6/26/2007	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2664	1.5117
6/27/2007	37	Ae	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2611	1.4816

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
6/28/2007	37	Ae	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2495	1.4155
6/29/2007	37	Ae	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2442	1.3854
6/30/2007	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2442	1.3854
7/1/2007	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2514	1.4268
7/2/2007	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2680	1.5210
7/3/2007	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2846	1.6152
7/4/2007	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2846	1.6152
7/5/2007	31	Ae	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2890	1.6399
7/6/2007	30	Ae	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2864	1.6253
7/7/2007	29	Ae	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2864	1.6253
7/8/2007	28	Ae	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3023	1.7156
7/9/2007	26	Ae	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3162	1.7940
7/10/2007	27	Ae	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3244	1.8408
7/11/2007	34	Ae	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.3131	1.7767
7/12/2007	32	Ae	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.3032	1.7203
7/13/2007	28	Ae	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2971	1.6856
7/14/2007	27	Ae	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.2971	1.6856
7/15/2007	26	Ae	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3172	1.7999
7/16/2007	26	Ae	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3333	1.8910
7/17/2007	25	Ae	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3428	1.9452
7/18/2007	24	Ae	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3531	2.0037
7/19/2007	23	Ae	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3643	2.0671
7/20/2007	23	Ae	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3755	2.1304
7/21/2007	22	Ae	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3876	2.1993
7/22/2007	21	Ae	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4009	2.2746
7/23/2007	20	Ae	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4154	2.3569
7/24/2007	19	Ae	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4358	2.4726
7/25/2007	21	Ae	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4406	2.4999
7/26/2007	20	Ae	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4459	2.5300
7/27/2007	21	Ae	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4406	2.4999
7/28/2007	22	Ae	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4246	2.4093
7/29/2007	32	Ae	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.3881	2.2025
7/30/2007	38	Ae	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.3354	1.9032
7/31/2007	44	Ae	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2800	1.5887
8/1/2007	28	Ae	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2583	1.4657
8/2/2007	24	Ae	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.2815	1.5973
8/3/2007	22	Ae	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3241	1.8391
8/4/2007	20	Ae	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.3848	2.1837
8/5/2007	21	Ae	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4113	2.3341
8/6/2007	22	Ae	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4198	2.3819
8/7/2007	22	Ae	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4198	2.3819
8/8/2007	21	Ae	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4145	2.3518
8/9/2007	20	Ae	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4198	2.3819
8/10/2007	21	Ae	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4246	2.4093
8/11/2007	21	Ae	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4294	2.4366
8/12/2007	20	Ae	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4347	2.4667
8/13/2007	22	Ae	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4246	2.4093
8/14/2007	18	Ae	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4423	2.5095
8/15/2007	20	Ae	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4476	2.5396
8/16/2007	18	Ae	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4599	2.6098
8/17/2007	54	Ae	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.4000	2.2695
8/18/2007	43	Ae	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.3280	1.8614
8/19/2007	37	Ae	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2769	1.5712
8/20/2007	40	Ae	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2089	1.1851
8/21/2007	48	Ae	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.2140	1.2144
8/22/2007	33	Ae	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2297	1.3034

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
8/23/2007	31	Ae	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2414	1.3695
8/24/2007	29	Ae	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2625	1.4893
8/25/2007	26	Ae	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3017	1.7120
8/26/2007	24	Ae	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3270	1.8556
8/27/2007	23	Ae	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3520	1.9973
8/28/2007	22	Ae	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3764	2.1360
8/29/2007	21	Ae	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3968	2.2517
8/30/2007	20	Ae	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4154	2.3569
8/31/2007	19	Ae	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4358	2.4726
9/1/2007	19	Ae	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4517	2.5633
9/2/2007	19	Ae	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4629	2.6266
9/3/2007	19	Ae	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4688	2.6598
9/4/2007	18	Ae	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4753	2.6968
9/5/2007	18	Ae	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4818	2.7337
9/6/2007	18	Ae	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4883	2.7707
9/7/2007	18	Ae	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4948	2.8076
9/8/2007	17	Ae	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.5021	2.8489
9/9/2007	18	Ae	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.5021	2.8489
9/10/2007	19	Ae	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4956	2.8120
9/11/2007	20	Ae	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4832	2.7418
9/12/2007	22	Ae	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4534	2.5729
9/13/2007	20	Ae	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4411	2.5027
9/14/2007	20	Ae	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4352	2.4694
9/15/2007	31	Ae	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.3957	2.2453
9/16/2007	26	Ae	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3801	2.1569
9/17/2007	24	Ae	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3616	2.0516
9/18/2007	22	Ae	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3514	1.9942
9/19/2007	20	Ae	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.3910	2.2184
9/20/2007	19	Ae	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4225	2.3974
9/21/2007	18	Ae	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4534	2.5729
9/22/2007	19	Ae	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4694	2.6635
9/23/2007	19	Ae	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4753	2.6968
9/24/2007	18	Ae	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4818	2.7337
9/25/2007	18	Ae	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4818	2.7337
9/26/2007	18	Ae	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4883	2.7707
9/27/2007	18	Ae	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4948	2.8076
9/28/2007	18	Ae	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4948	2.8076
9/29/2007	18	Ae	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4948	2.8076
9/30/2007	18	Ae	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4948	2.8076
10/1/2007	17	Ae	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.5021	2.8489
10/2/2007	15	Ae	3.8	2.6	21.3	0.068	0.387	0.000246407	99.6	99.9	0.5938	3.3691	0.5268	2.9893
10/3/2007	15	Ae	3.8	2.6	21.3	0.068	0.387	0.000246407	99.6	99.9	0.5938	3.3691	0.5516	3.1297
10/4/2007	15	Ae	3.8	2.6	21.3	0.068	0.387	0.000246407	99.6	99.9	0.5938	3.3691	0.5763	3.2700
10/5/2007	15	Ae	3.8	2.6	21.3	0.068	0.387	0.000246407	99.6	99.9	0.5938	3.3691	0.5938	3.3691
10/6/2007	14	Ae	3.5	2.4	19.9	0.068	0.387	0.000246407	99.6	99.9	0.6362	3.6098	0.6044	3.4293
10/7/2007	14	Ae	3.5	2.4	19.9	0.068	0.387	0.000246407	99.6	99.9	0.6362	3.6098	0.6150	3.4895
10/8/2007	14	Ae	3.5	2.4	19.9	0.068	0.387	0.000246407	99.6	99.9	0.6362	3.6098	0.6256	3.5496
10/9/2007	15	Ae	3.8	2.6	21.3	0.068	0.387	0.000246407	99.6	99.9	0.5938	3.3691	0.6256	3.5496
10/10/2007	20	Ae	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.5779	3.2789
10/11/2007	22	Ae	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.5200	2.9507
10/12/2007	18	Ae	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4847	2.7502
10/13/2007	17	Ae	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.4672	2.6511
10/14/2007	16	Ae	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.4950	2.8090
10/15/2007	16	Ae	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.5330	3.0244
10/16/2007	16	Ae	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.5485	3.1121
10/17/2007	15	Ae	3.8	2.6	21.3	0.068	0.387	0.000246407	99.6	99.9	0.5938	3.3691	0.5659	3.2112

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
10/18/2007	15	Ae	3.8	2.6	21.3	0.068	0.387	0.000246407	99.6	99.9	0.5938	3.3691	0.5752	3.2639
10/19/2007	16	Ae	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.5752	3.2639
10/20/2007	18	Ae	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.5597	3.1761
10/21/2007	17	Ae	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.5423	3.0770
10/22/2007	17	Ae	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.5248	2.9779
10/23/2007	17	Ae	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.5166	2.9315
10/24/2007	19	Ae	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.5101	2.8945
10/25/2007	33	Ae	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.4466	2.5342
10/26/2007	28	Ae	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3952	2.2422
10/27/2007	26	Ae	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3498	1.9850
10/28/2007	24	Ae	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3254	1.8464
10/29/2007	24	Ae	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3507	1.9900
10/30/2007	23	Ae	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3680	2.0881
10/31/2007	26	Ae	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3680	2.0881
11/1/2007	24	Ae	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3680	2.0881
11/2/2007	23	Ae	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3720	2.1110
11/3/2007	23	Ae	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3720	2.1110
11/4/2007	22	Ae	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3876	2.1993
11/5/2007	22	Ae	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3960	2.2472
11/6/2007	26	Ae	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3849	2.1838
11/7/2007	24	Ae	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3808	2.1609
11/8/2007	23	Ae	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3764	2.1360
11/9/2007	22	Ae	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3764	2.1360
11/10/2007	22	Ae	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3920	2.2243
11/11/2007	22	Ae	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4004	2.2722
11/12/2007	22	Ae	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4048	2.2971
11/13/2007	22	Ae	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4048	2.2971
11/14/2007	22	Ae	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4048	2.2971
11/15/2007	24	Ae	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3964	2.2493
11/16/2007	26	Ae	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3808	2.1609
11/17/2007	24	Ae	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3724	2.1131
11/18/2007	23	Ae	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3680	2.0881
11/19/2007	23	Ae	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3720	2.1110
11/20/2007	23	Ae	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3832	2.1744
11/21/2007	23	Ae	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3872	2.1973
11/22/2007	23	Ae	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3872	2.1973
11/23/2007	24	Ae	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3832	2.1744
11/24/2007	24	Ae	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3792	2.1515
11/25/2007	24	Ae	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3751	2.1286
11/26/2007	24	Ae	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3711	2.1057
11/27/2007	24	Ae	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3711	2.1057
11/28/2007	23	Ae	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3751	2.1286
11/29/2007	23	Ae	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3792	2.1515
11/30/2007	23	Ae	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3832	2.1744
12/1/2007	23	Ae	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3872	2.1973
12/2/2007	24	Ae	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3832	2.1744
12/3/2007	25	Ae	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3755	2.1304
12/4/2007	27	Ae	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3611	2.0491
12/5/2007	27	Ae	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3468	1.9677
12/6/2007	26	Ae	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3396	1.9272
12/7/2007	26	Ae	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3362	1.9077
12/8/2007	27	Ae	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3362	1.9077
12/9/2007	28	Ae	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3333	1.8910
12/10/2007	28	Ae	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3271	1.8563
12/11/2007	28	Ae	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3210	1.8216
12/12/2007	27	Ae	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3210	1.8216

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
12/13/2007	26	Ae	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3271	1.8563
12/14/2007	26	Ae	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3333	1.8910
12/15/2007	26	Ae	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3394	1.9257
12/16/2007	28	Ae	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3364	1.9090
12/17/2007	32	Ae	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.3204	1.8179
12/18/2007	28	Ae	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3143	1.7832
12/19/2007	27	Ae	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3111	1.7652
12/20/2007	26	Ae	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3172	1.7999
12/21/2007	26	Ae	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3333	1.8910
12/22/2007	26	Ae	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3394	1.9257
12/23/2007	26	Ae	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3426	1.9437
12/24/2007	30	Ae	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.3311	1.8789
12/25/2007	27	Ae	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3280	1.8609
12/26/2007	26	Ae	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3280	1.8609
12/27/2007	28	Ae	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3218	1.8262
12/28/2007	27	Ae	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3301	1.8730
12/29/2007	26	Ae	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3333	1.8910
12/30/2007	30	Ae	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.3218	1.8262
12/31/2007	42	Ae	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2953	1.6758
1/1/2008	32	Ae	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2825	1.6027
1/2/2008	30	Ae	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2710	1.5379
1/3/2008	28	Ae	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2763	1.5680
1/4/2008	28	Ae	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3028	1.7184
1/5/2008	28	Ae	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3128	1.7748
1/6/2008	27	Ae	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3210	1.8216
1/7/2008	27	Ae	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3240	1.8383
1/8/2008	27	Ae	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3269	1.8550
1/9/2008	27	Ae	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3299	1.8717
1/10/2008	28	Ae	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3269	1.8550
1/11/2008	30	Ae	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.3187	1.8082
1/12/2008	28	Ae	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3157	1.7915
1/13/2008	28	Ae	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3128	1.7748
1/14/2008	30	Ae	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.3075	1.7447
1/15/2008	28	Ae	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3128	1.7748
1/16/2008	30	Ae	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.3075	1.7447
1/17/2008	34	Ae	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2935	1.6651
1/18/2008	40	Ae	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2749	1.5598
1/19/2008	36	Ae	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2572	1.4595
1/20/2008	33	Ae	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2505	1.4213
1/21/2008	31	Ae	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2568	1.4572
1/22/2008	30	Ae	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2754	1.5625
1/23/2008	32	Ae	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2831	1.6064
1/24/2008	32	Ae	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2852	1.6183
1/25/2008	30	Ae	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2876	1.6319
1/26/2008	29	Ae	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2902	1.6465
1/27/2008	28	Ae	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3001	1.7029
1/28/2008	30	Ae	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.3047	1.7292
1/29/2008	32	Ae	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.3001	1.7029
1/30/2008	30	Ae	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2975	1.6883
1/31/2008	28	Ae	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2975	1.6883
2/1/2008	40	Ae	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2790	1.5830
2/2/2008	81	Ae	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.2369	1.3442
2/3/2008	63	Ae	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1980	1.1236
2/4/2008	55	Ae	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1590	0.9021
2/5/2008	50	Ae	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1478	0.8389
2/6/2008	47	Ae	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1677	0.9518

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
2/7/2008	45	Ae	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1819	1.0320
2/8/2008	43	Ae	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.1932	1.0961
2/9/2008	42	Ae	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2017	1.1442
2/10/2008	41	Ae	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2086	1.1836
2/11/2008	40	Ae	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2148	1.2186
2/12/2008	40	Ae	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2187	1.2407
2/13/2008	60	Ae	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.2027	1.1504
2/14/2008	87	Ae	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.1740	0.9875
2/15/2008	59	Ae	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1561	0.8858
2/16/2008	47	Ae	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1478	0.8387
2/17/2008	49	Ae	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1561	0.8860
2/18/2008	47	Ae	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1779	1.0096
2/19/2008	62	Ae	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1761	0.9993
2/20/2008	52	Ae	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1715	0.9734
2/21/2008	43	Ae	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.1779	1.0094
2/22/2008	43	Ae	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.1823	1.0344
2/23/2008	58	Ae	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1848	1.0484
2/24/2008	54	Ae	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1832	1.0394
2/25/2008	50	Ae	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1759	0.9983
2/26/2008	54	Ae	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1654	0.9385
2/27/2008	60	Ae	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1641	0.9312
2/28/2008	56	Ae	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1626	0.9228
2/29/2008	52	Ae	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1609	0.9131
3/1/2008	50	Ae	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1642	0.9318
3/2/2008	50	Ae	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1716	0.9740
3/3/2008	50	Ae	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1764	1.0010
3/4/2008	50	Ae	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1781	1.0107
3/5/2008	70	Ae	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1654	0.9385
3/6/2008	68	Ae	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1536	0.8717
3/7/2008	60	Ae	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1462	0.8295
3/8/2008	104	Ae	26.0	17.8	147.8	0.068	0.387	0.000246407	99.6	99.9	0.0856	0.4859	0.1231	0.6983
3/9/2008	111	Ae	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.1113	0.6317
3/10/2008	82	Ae	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1057	0.6000
3/11/2008	77	Ae	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.0975	0.5535
3/12/2008	80	Ae	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1040	0.5899
3/13/2008	74	Ae	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1140	0.6468
3/14/2008	70	Ae	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1186	0.6732
3/15/2008	66	Ae	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1235	0.7006
3/16/2008	80	Ae	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1235	0.7006
3/17/2008	75	Ae	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1231	0.6983
3/18/2008	70	Ae	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1231	0.6983
3/19/2008	66	Ae	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1231	0.6983
3/20/2008	78	Ae	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1238	0.7024
3/21/2008	70	Ae	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1259	0.7144
3/22/2008	64	Ae	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1289	0.7313
3/23/2008	60	Ae	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1323	0.7504
3/24/2008	55	Ae	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1442	0.8182
3/25/2008	52	Ae	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1552	0.8807
3/26/2008	52	Ae	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1632	0.9262
3/27/2008	58	Ae	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1645	0.9335
3/28/2008	54	Ae	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1653	0.9377
3/29/2008	50	Ae	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1670	0.9475
3/30/2008	48	Ae	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1705	0.9677
3/31/2008	48	Ae	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1785	1.0131
4/1/2008	55	Ae	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1778	1.0088
4/2/2008	52	Ae	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1761	0.9991

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
4/3/2008	51	Ae	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1733	0.9836
4/4/2008	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1592	0.9035
4/5/2008	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1525	0.8652
4/6/2008	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1429	0.8108
4/7/2008	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1346	0.7636
4/8/2008	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1401	0.7947
4/9/2008	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1441	0.8174
4/10/2008	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1486	0.8430
4/11/2008	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1516	0.8603
4/12/2008	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1523	0.8639
4/13/2008	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1558	0.8838
4/14/2008	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1625	0.9223
4/15/2008	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1696	0.9623
4/16/2008	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1766	1.0023
4/17/2008	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1799	1.0211
4/18/2008	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1809	1.0262
4/19/2008	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1818	1.0316
4/20/2008	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1837	1.0426
4/21/2008	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1866	1.0587
4/22/2008	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1875	1.0641
4/23/2008	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1875	1.0641
4/24/2008	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1875	1.0641
4/25/2008	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1896	1.0760
4/26/2008	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1916	1.0874
4/27/2008	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1937	1.0989
4/28/2008	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1868	1.0598
4/29/2008	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1670	0.9475
4/30/2008	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1563	0.8870
5/1/2008	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1516	0.8600
5/2/2008	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1565	0.8882
5/3/2008	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1742	0.9885
5/4/2008	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1871	1.0615
5/5/2008	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.1991	1.1297
5/6/2008	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2093	1.1877
5/7/2008	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2190	1.2428
5/8/2008	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2270	1.2882
5/9/2008	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.2051	1.1637
5/10/2008	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1822	1.0337
5/11/2008	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1671	0.9481
5/12/2008	152	A	38.0	26.0	216.0	0.068	0.387	0.000246407	99.6	99.9	0.0586	0.3325	0.1231	0.6987
5/13/2008	242	A	60.5	41.3	343.9	0.068	0.387	0.000246407	99.6	99.9	0.0368	0.2088	0.0986	0.5595
5/14/2008	213	A	53.3	36.4	302.7	0.068	0.387	0.000246407	99.6	99.9	0.0418	0.2373	0.0763	0.4330
5/15/2008	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0493	0.2800
5/16/2008	133	A	33.3	22.7	189.0	0.068	0.387	0.000246407	99.6	99.9	0.0670	0.3800	0.0514	0.2919
5/17/2008	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.0606	0.3441
5/18/2008	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0708	0.4018
5/19/2008	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0787	0.4466
5/20/2008	101	A	25.3	17.3	143.5	0.068	0.387	0.000246407	99.6	99.9	0.0882	0.5004	0.0840	0.4767
5/21/2008	101	A	25.3	17.3	143.5	0.068	0.387	0.000246407	99.6	99.9	0.0882	0.5004	0.0877	0.4974
5/22/2008	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0900	0.5107
5/23/2008	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.0923	0.5240
5/24/2008	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.0971	0.5511
5/25/2008	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1033	0.5860
5/26/2008	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1104	0.6265
5/27/2008	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1165	0.6608
5/28/2008	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1210	0.6866

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
5/29/2008	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1246	0.7071
5/30/2008	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1278	0.7250
5/31/2008	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1249	0.7090
6/1/2008	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.1133	0.6428
6/2/2008	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.1023	0.5804
6/3/2008	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.0969	0.5498
6/4/2008	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0920	0.5222
6/5/2008	133	A	33.3	22.7	189.0	0.068	0.387	0.000246407	99.6	99.9	0.0670	0.3800	0.0891	0.5054
6/6/2008	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0871	0.4944
6/7/2008	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0830	0.4709
6/8/2008	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.0868	0.4925
6/9/2008	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1014	0.5754
6/10/2008	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1158	0.6569
6/11/2008	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1263	0.7169
6/12/2008	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1360	0.7715
6/13/2008	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1437	0.8152
6/14/2008	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1509	0.8563
6/15/2008	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1579	0.8959
6/16/2008	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1620	0.9193
6/17/2008	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1634	0.9274
6/18/2008	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1650	0.9360
6/19/2008	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1657	0.9404
6/20/2008	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1673	0.9494
6/21/2008	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1723	0.9776
6/22/2008	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1776	1.0080
6/23/2008	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1830	1.0384
6/24/2008	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1876	1.0643
6/25/2008	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.1964	1.1146
6/26/2008	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2034	1.1539
6/27/2008	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2117	1.2010
6/28/2008	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2214	1.2561
6/29/2008	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2289	1.2989
6/30/2008	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2382	1.3517
7/1/2008	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2462	1.3969
7/2/2008	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2587	1.4677
7/3/2008	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2664	1.5116
7/4/2008	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2703	1.5335
7/5/2008	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2596	1.4733
7/6/2008	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.2117	1.2012
7/7/2008	240	A	60.0	41.0	341.0	0.068	0.387	0.000246407	99.6	99.9	0.0371	0.2106	0.1514	0.8590
7/8/2008	142	A	35.5	24.3	201.8	0.068	0.387	0.000246407	99.6	99.9	0.0627	0.3559	0.0996	0.5651
7/9/2008	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.0728	0.4129
7/10/2008	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0662	0.3756
7/11/2008	123	A	30.8	21.0	174.8	0.068	0.387	0.000246407	99.6	99.9	0.0724	0.4109	0.0750	0.4257
7/12/2008	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.0875	0.4967
7/13/2008	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.0951	0.5394
7/14/2008	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1171	0.6646
7/15/2008	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1368	0.7761
7/16/2008	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1498	0.8501
7/17/2008	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1581	0.8971
7/18/2008	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1684	0.9553
7/19/2008	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.1824	1.0350
7/20/2008	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.1983	1.1250
7/21/2008	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2164	1.2281
7/22/2008	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2309	1.3102
7/23/2008	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2410	1.3673

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
7/24/2008	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.2267	1.2863
7/25/2008	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.2149	1.2195
7/26/2008	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2087	1.1844
7/27/2008	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.1999	1.1343
7/28/2008	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.2089	1.1852
7/29/2008	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2176	1.2344
7/30/2008	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2190	1.2425
7/31/2008	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2231	1.2657
8/1/2008	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2315	1.3133
8/2/2008	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2274	1.2902
8/3/2008	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2289	1.2987
8/4/2008	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2373	1.3464
8/5/2008	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2467	1.3997
8/6/2008	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2632	1.4937
8/7/2008	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2842	1.6125
8/8/2008	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2982	1.6921
8/9/2008	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3143	1.7832
8/10/2008	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.3165	1.7959
8/11/2008	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3165	1.7959
8/12/2008	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3261	1.8501
8/13/2008	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3295	1.8695
8/14/2008	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3467	1.9673
8/15/2008	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3440	1.9518
8/16/2008	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3317	1.8821
8/17/2008	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3317	1.8821
8/18/2008	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3394	1.9260
8/19/2008	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3687	2.0920
8/20/2008	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4091	2.3213
8/21/2008	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.4510	2.5591
8/22/2008	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4779	2.7117
8/23/2008	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4956	2.8120
8/24/2008	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.5175	2.9366
8/25/2008	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.5257	2.9831
8/26/2008	14	A	3.5	2.4	19.9	0.068	0.387	0.000246407	99.6	99.9	0.6362	3.6098	0.5611	3.1836
8/27/2008	14	A	3.5	2.4	19.9	0.068	0.387	0.000246407	99.6	99.9	0.6362	3.6098	0.5964	3.3842
8/28/2008	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.5964	3.3842
8/29/2008	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.5809	3.2964
8/30/2008	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.5456	3.0959
8/31/2008	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.5257	2.9831
9/1/2008	14	A	3.5	2.4	19.9	0.068	0.387	0.000246407	99.6	99.9	0.6362	3.6098	0.5456	3.0959
9/2/2008	13	A	3.3	2.2	18.5	0.068	0.387	0.000246407	99.6	99.9	0.6851	3.8875	0.5932	3.3659
9/3/2008	12	A	3.0	2.0	17.1	0.068	0.387	0.000246407	99.6	99.9	0.7422	4.2114	0.6550	3.7168
9/4/2008	12	A	3.0	2.0	17.1	0.068	0.387	0.000246407	99.6	99.9	0.7422	4.2114	0.7014	3.9800
9/5/2008	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.6734	3.8208
9/6/2008	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.5539	3.1427
9/7/2008	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.4269	2.4224
9/8/2008	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3382	1.9188
9/9/2008	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3040	1.7249
9/10/2008	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3490	1.9804
9/11/2008	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3965	2.2496
9/12/2008	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4110	2.3320
9/13/2008	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4314	2.4476
9/14/2008	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.4655	2.6415
9/15/2008	15	A	3.8	2.6	21.3	0.068	0.387	0.000246407	99.6	99.9	0.5938	3.3691	0.5079	2.8822
9/16/2008	13	A	3.3	2.2	18.5	0.068	0.387	0.000246407	99.6	99.9	0.6851	3.8875	0.5679	3.2223
9/17/2008	15	A	3.8	2.6	21.3	0.068	0.387	0.000246407	99.6	99.9	0.5938	3.3691	0.5991	3.3996

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
9/18/2008	14	A	3.5	2.4	19.9	0.068	0.387	0.000246407	99.6	99.9	0.6362	3.6098	0.6272	3.5589
9/19/2008	14	A	3.5	2.4	19.9	0.068	0.387	0.000246407	99.6	99.9	0.6362	3.6098	0.6378	3.6191
9/20/2008	15	A	3.8	2.6	21.3	0.068	0.387	0.000246407	99.6	99.9	0.5938	3.3691	0.6150	3.4895
9/21/2008	14	A	3.5	2.4	19.9	0.068	0.387	0.000246407	99.6	99.9	0.6362	3.6098	0.6256	3.5496
9/22/2008	13	A	3.3	2.2	18.5	0.068	0.387	0.000246407	99.6	99.9	0.6851	3.8875	0.6378	3.6191
9/23/2008	13	A	3.3	2.2	18.5	0.068	0.387	0.000246407	99.6	99.9	0.6851	3.8875	0.6500	3.6885
9/24/2008	13	A	3.3	2.2	18.5	0.068	0.387	0.000246407	99.6	99.9	0.6851	3.8875	0.6729	3.8181
9/25/2008	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.5857	3.3232
9/26/2008	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.4528	2.5691
9/27/2008	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.3310	1.8780
9/28/2008	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.2051	1.1640
9/29/2008	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2029	1.1513
9/30/2008	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.2536	1.4388
10/1/2008	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2783	1.5792
10/2/2008	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.3071	1.7425
10/3/2008	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3266	1.8530
10/4/2008	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3387	1.9219
10/5/2008	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.3758	2.1325
10/6/2008	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4188	2.3763
10/7/2008	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4534	2.5729
10/8/2008	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4759	2.7005
10/9/2008	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4759	2.7005
10/10/2008	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4759	2.7005
10/11/2008	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.4832	2.7418
10/12/2008	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.4987	2.8295
10/13/2008	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.5110	2.8997
10/14/2008	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.5110	2.8997
10/15/2008	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4914	2.7882
10/16/2008	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4636	2.6303
10/17/2008	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4636	2.6303
10/18/2008	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4701	2.6672
10/19/2008	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.4897	2.7787
10/20/2008	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.5094	2.8902
10/21/2008	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.5166	2.9315
10/22/2008	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.5239	2.9728
10/23/2008	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.5043	2.8613
10/24/2008	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.4661	2.6445
10/25/2008	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.4069	2.3089
10/26/2008	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.3345	1.8982
10/27/2008	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3057	1.7344
10/28/2008	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2847	1.6155
10/29/2008	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.2954	1.6759
10/30/2008	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3224	1.8294
10/31/2008	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3290	1.8668
11/1/2008	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3462	1.9646
11/2/2008	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3494	1.9826
11/3/2008	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3494	1.9826
11/4/2008	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.3258	1.8488
11/5/2008	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.2832	1.6067
11/6/2008	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.2272	1.2892
11/7/2008	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1738	0.9864
11/8/2008	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1488	0.8445
11/9/2008	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1508	0.8559
11/10/2008	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.1768	1.0033
11/11/2008	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2064	1.1712
11/12/2008	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2278	1.2924

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
11/13/2008	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.2267	1.2866
11/14/2008	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.2064	1.1713
11/15/2008	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.1662	0.9430
11/16/2008	124	A	31.0	21.2	176.2	0.068	0.387	0.000246407	99.6	99.9	0.0718	0.4076	0.1223	0.6939
11/17/2008	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.1008	0.5720
11/18/2008	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.0968	0.5494
11/19/2008	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1100	0.6242
11/20/2008	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1280	0.7260
11/21/2008	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1380	0.7829
11/22/2008	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1437	0.8155
11/23/2008	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1473	0.8360
11/24/2008	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1498	0.8500
11/25/2008	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1410	0.8003
11/26/2008	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1321	0.7497
11/27/2008	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1260	0.7149
11/28/2008	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1213	0.6885
11/29/2008	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1284	0.7288
11/30/2008	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1296	0.7351
12/1/2008	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.1210	0.6864
12/2/2008	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1151	0.6529
12/3/2008	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1113	0.6316
12/4/2008	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1134	0.6434
12/5/2008	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1211	0.6869
12/6/2008	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1250	0.7095
12/7/2008	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1255	0.7119
12/8/2008	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1273	0.7225
12/9/2008	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1302	0.7389
12/10/2008	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1307	0.7415
12/11/2008	120	A	30.0	20.5	170.5	0.068	0.387	0.000246407	99.6	99.9	0.0742	0.4211	0.1183	0.6713
12/12/2008	251	A	62.8	42.9	356.6	0.068	0.387	0.000246407	99.6	99.9	0.0355	0.2013	0.0940	0.5331
12/13/2008	275	A	68.8	47.0	390.7	0.068	0.387	0.000246407	99.6	99.9	0.0324	0.1838	0.0678	0.3847
12/14/2008	166	A	41.5	28.4	235.9	0.068	0.387	0.000246407	99.6	99.9	0.0537	0.3044	0.0489	0.2777
12/15/2008	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0475	0.2696
12/16/2008	144	A	36.0	24.6	204.6	0.068	0.387	0.000246407	99.6	99.9	0.0619	0.3510	0.0541	0.3070
12/17/2008	159	A	39.8	27.2	225.9	0.068	0.387	0.000246407	99.6	99.9	0.0560	0.3178	0.0600	0.3405
12/18/2008	158	A	39.5	27.0	224.5	0.068	0.387	0.000246407	99.6	99.9	0.0564	0.3199	0.0607	0.3443
12/19/2008	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0581	0.3297
12/20/2008	169	A	42.3	28.9	240.1	0.068	0.387	0.000246407	99.6	99.9	0.0527	0.2990	0.0558	0.3168
12/21/2008	185	A	46.3	31.6	262.9	0.068	0.387	0.000246407	99.6	99.9	0.0481	0.2732	0.0539	0.3056
12/22/2008	193	A	48.3	33.0	274.2	0.068	0.387	0.000246407	99.6	99.9	0.0461	0.2619	0.0513	0.2911
12/23/2008	166	A	41.5	28.4	235.9	0.068	0.387	0.000246407	99.6	99.9	0.0537	0.3044	0.0502	0.2846
12/24/2008	145	A	36.3	24.8	206.0	0.068	0.387	0.000246407	99.6	99.9	0.0614	0.3485	0.0523	0.2970
12/25/2008	147	A	36.8	25.1	208.9	0.068	0.387	0.000246407	99.6	99.9	0.0606	0.3438	0.0555	0.3147
12/26/2008	136	A	34.0	23.2	193.2	0.068	0.387	0.000246407	99.6	99.9	0.0655	0.3716	0.0603	0.3421
12/27/2008	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0640	0.3632
12/28/2008	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0660	0.3747
12/29/2008	125	A	31.3	21.4	177.6	0.068	0.387	0.000246407	99.6	99.9	0.0713	0.4043	0.0687	0.3899
12/30/2008	119	A	29.8	20.3	169.1	0.068	0.387	0.000246407	99.6	99.9	0.0748	0.4247	0.0710	0.4031
12/31/2008	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.0729	0.4139
1/1/2009	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0762	0.4322
1/2/2009	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0794	0.4503
1/3/2009	108	A	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.0813	0.4611
1/4/2009	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0839	0.4758
1/5/2009	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0849	0.4815
1/6/2009	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0836	0.4741
1/7/2009	144	A	36.0	24.6	204.6	0.068	0.387	0.000246407	99.6	99.9	0.0619	0.3510	0.0784	0.4449

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
1/8/2009	162	A	40.5	27.7	230.2	0.068	0.387	0.000246407	99.6	99.9	0.0550	0.3120	0.0705	0.4002
1/9/2009	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0640	0.3629
1/10/2009	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0614	0.3483
1/11/2009	134	A	33.5	22.9	190.4	0.068	0.387	0.000246407	99.6	99.9	0.0665	0.3771	0.0625	0.3548
1/12/2009	126	A	31.5	21.5	179.0	0.068	0.387	0.000246407	99.6	99.9	0.0707	0.4011	0.0665	0.3771
1/13/2009	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0703	0.3988
1/14/2009	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.0722	0.4096
1/15/2009	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0753	0.4271
1/16/2009	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0792	0.4495
1/17/2009	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0838	0.4754
1/18/2009	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.0880	0.4991
1/19/2009	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.0895	0.5076
1/20/2009	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0888	0.5041
1/21/2009	101	A	25.3	17.3	143.5	0.068	0.387	0.000246407	99.6	99.9	0.0882	0.5004	0.0875	0.4962
1/22/2009	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0872	0.4949
1/23/2009	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0887	0.5035
1/24/2009	101	A	25.3	17.3	143.5	0.068	0.387	0.000246407	99.6	99.9	0.0882	0.5004	0.0898	0.5094
1/25/2009	97	A	24.3	16.6	137.8	0.068	0.387	0.000246407	99.6	99.9	0.0918	0.5210	0.0907	0.5145
1/26/2009	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.0917	0.5201
1/27/2009	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.0921	0.5228
1/28/2009	117	A	29.3	20.0	166.2	0.068	0.387	0.000246407	99.6	99.9	0.0761	0.4319	0.0891	0.5057
1/29/2009	142	A	35.5	24.3	201.8	0.068	0.387	0.000246407	99.6	99.9	0.0627	0.3559	0.0818	0.4644
1/30/2009	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0762	0.4321
1/31/2009	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0738	0.4186
2/1/2009	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.0772	0.4382
2/2/2009	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.0840	0.4769
2/3/2009	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0881	0.4997
2/4/2009	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0895	0.5079
2/5/2009	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.0915	0.5191
2/6/2009	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.0952	0.5402
2/7/2009	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.0988	0.5607
2/8/2009	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.1019	0.5780
2/9/2009	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1039	0.5895
2/10/2009	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1042	0.5913
2/11/2009	84	A	21.0	14.3	119.4	0.068	0.387	0.000246407	99.6	99.9	0.1060	0.6016	0.1048	0.5948
2/12/2009	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1057	0.5999
2/13/2009	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1067	0.6054
2/14/2009	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1087	0.6170
2/15/2009	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1111	0.6307
2/16/2009	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1146	0.6505
2/17/2009	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1168	0.6630
2/18/2009	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1172	0.6651
2/19/2009	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1151	0.6532
2/20/2009	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1140	0.6467
2/21/2009	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1148	0.6514
2/22/2009	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1156	0.6557
2/23/2009	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1197	0.6790
2/24/2009	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1229	0.6975
2/25/2009	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1242	0.7049
2/26/2009	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1259	0.7144
2/27/2009	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1263	0.7169
2/28/2009	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1259	0.7143
3/1/2009	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1223	0.6938
3/2/2009	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.1148	0.6517
3/3/2009	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1128	0.6400
3/4/2009	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1132	0.6425

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
3/5/2009	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1169	0.6631
3/6/2009	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1215	0.6892
3/7/2009	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1203	0.6829
3/8/2009	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1178	0.6686
3/9/2009	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1170	0.6636
3/10/2009	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1207	0.6847
3/11/2009	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1243	0.7053
3/12/2009	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1282	0.7276
3/13/2009	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1305	0.7407
3/14/2009	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1305	0.7407
3/15/2009	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1288	0.7310
3/16/2009	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1249	0.7087
3/17/2009	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1222	0.6932
3/18/2009	71	A	17.8	12.1	100.9	0.068	0.387	0.000246407	99.6	99.9	0.1254	0.7118	0.1212	0.6880
3/19/2009	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1234	0.7004
3/20/2009	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1264	0.7172
3/21/2009	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1302	0.7385
3/22/2009	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1347	0.7644
3/23/2009	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1389	0.7884
3/24/2009	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1444	0.8194
3/25/2009	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1473	0.8356
3/26/2009	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1467	0.8324
3/27/2009	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1434	0.8138
3/28/2009	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1319	0.7483
3/29/2009	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1210	0.6864
3/30/2009	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1161	0.6589
3/31/2009	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1171	0.6647
4/1/2009	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1257	0.7135
4/2/2009	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1328	0.7534
4/3/2009	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1308	0.7423
4/4/2009	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1271	0.7210
4/5/2009	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1276	0.7242
4/6/2009	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1253	0.7111
4/7/2009	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1250	0.7090
4/8/2009	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1263	0.7164
4/9/2009	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1247	0.7073
4/10/2009	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1285	0.7293
4/11/2009	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.1262	0.7162
4/12/2009	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.1192	0.6761
4/13/2009	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1155	0.6554
4/14/2009	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.1010	0.5729
4/15/2009	174	A	43.5	29.7	247.2	0.068	0.387	0.000246407	99.6	99.9	0.0512	0.2904	0.0879	0.4986
4/16/2009	282	A	70.5	48.2	400.7	0.068	0.387	0.000246407	99.6	99.9	0.0316	0.1792	0.0710	0.4030
4/17/2009	260	A	65.0	44.4	369.4	0.068	0.387	0.000246407	99.6	99.9	0.0343	0.1944	0.0495	0.2809
4/18/2009	180	A	45.0	30.7	255.8	0.068	0.387	0.000246407	99.6	99.9	0.0495	0.2808	0.0416	0.2362
4/19/2009	151	A	37.8	25.8	214.6	0.068	0.387	0.000246407	99.6	99.9	0.0590	0.3347	0.0436	0.2473
4/20/2009	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0502	0.2850
4/21/2009	187	A	46.8	31.9	265.7	0.068	0.387	0.000246407	99.6	99.9	0.0476	0.2703	0.0536	0.3040
4/22/2009	186	A	46.5	31.8	264.3	0.068	0.387	0.000246407	99.6	99.9	0.0479	0.2717	0.0532	0.3017
4/23/2009	198	A	49.5	33.8	281.3	0.068	0.387	0.000246407	99.6	99.9	0.0450	0.2552	0.0497	0.2819
4/24/2009	181	A	45.3	30.9	257.2	0.068	0.387	0.000246407	99.6	99.9	0.0492	0.2792	0.0474	0.2691
4/25/2009	159	A	39.8	27.2	225.9	0.068	0.387	0.000246407	99.6	99.9	0.0560	0.3178	0.0495	0.2810
4/26/2009	141	A	35.3	24.1	200.3	0.068	0.387	0.000246407	99.6	99.9	0.0632	0.3584	0.0533	0.3027
4/27/2009	127	A	31.8	21.7	180.5	0.068	0.387	0.000246407	99.6	99.9	0.0701	0.3979	0.0596	0.3384
4/28/2009	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0665	0.3775
4/29/2009	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0726	0.4118

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
4/30/2009	111	A	27.8	19.0	157.7	0.068	0.387	0.000246407	99.6	99.9	0.0802	0.4553	0.0768	0.4360
5/1/2009	113	A	28.3	19.3	160.6	0.068	0.387	0.000246407	99.6	99.9	0.0788	0.4472	0.0790	0.4484
5/2/2009	120	A	30.0	20.5	170.5	0.068	0.387	0.000246407	99.6	99.9	0.0742	0.4211	0.0784	0.4447
5/3/2009	131	A	32.8	22.4	186.1	0.068	0.387	0.000246407	99.6	99.9	0.0680	0.3858	0.0753	0.4274
5/4/2009	158	A	39.5	27.0	224.5	0.068	0.387	0.000246407	99.6	99.9	0.0564	0.3199	0.0693	0.3935
5/5/2009	169	A	42.3	28.9	240.1	0.068	0.387	0.000246407	99.6	99.9	0.0527	0.2990	0.0628	0.3565
5/6/2009	176	A	44.0	30.1	250.1	0.068	0.387	0.000246407	99.6	99.9	0.0506	0.2871	0.0569	0.3230
5/7/2009	199	A	49.8	34.0	282.8	0.068	0.387	0.000246407	99.6	99.9	0.0448	0.2540	0.0511	0.2900
5/8/2009	231	A	57.8	39.5	328.2	0.068	0.387	0.000246407	99.6	99.9	0.0386	0.2188	0.0467	0.2647
5/9/2009	209	A	52.3	35.7	297.0	0.068	0.387	0.000246407	99.6	99.9	0.0426	0.2418	0.0441	0.2504
5/10/2009	171	A	42.8	29.2	243.0	0.068	0.387	0.000246407	99.6	99.9	0.0521	0.2955	0.0445	0.2525
5/11/2009	147	A	36.8	25.1	208.9	0.068	0.387	0.000246407	99.6	99.9	0.0606	0.3438	0.0485	0.2750
5/12/2009	138	A	34.5	23.6	196.1	0.068	0.387	0.000246407	99.6	99.9	0.0645	0.3662	0.0550	0.3118
5/13/2009	129	A	32.3	22.0	183.3	0.068	0.387	0.000246407	99.6	99.9	0.0690	0.3918	0.0616	0.3493
5/14/2009	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0674	0.3825
5/15/2009	118	A	29.5	20.2	167.7	0.068	0.387	0.000246407	99.6	99.9	0.0755	0.4283	0.0711	0.4036
5/16/2009	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.0752	0.4269
5/17/2009	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.0782	0.4439
5/18/2009	107	A	26.8	18.3	152.0	0.068	0.387	0.000246407	99.6	99.9	0.0832	0.4723	0.0802	0.4549
5/19/2009	94	A	23.5	16.1	133.6	0.068	0.387	0.000246407	99.6	99.9	0.0947	0.5376	0.0850	0.4822
5/20/2009	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.0895	0.5077
5/21/2009	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.0948	0.5381
5/22/2009	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.1002	0.5686
5/23/2009	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1040	0.5902
5/24/2009	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1075	0.6098
5/25/2009	93	A	23.3	15.9	132.1	0.068	0.387	0.000246407	99.6	99.9	0.0958	0.5434	0.1058	0.6004
5/26/2009	173	A	43.3	29.6	245.8	0.068	0.387	0.000246407	99.6	99.9	0.0515	0.2921	0.0925	0.5248
5/27/2009	161	A	40.3	27.5	228.8	0.068	0.387	0.000246407	99.6	99.9	0.0553	0.3139	0.0788	0.4473
5/28/2009	129	A	32.3	22.0	183.3	0.068	0.387	0.000246407	99.6	99.9	0.0690	0.3918	0.0679	0.3853
5/29/2009	112	A	28.0	19.1	159.1	0.068	0.387	0.000246407	99.6	99.9	0.0795	0.4512	0.0638	0.3623
5/30/2009	106	A	26.5	18.1	150.6	0.068	0.387	0.000246407	99.6	99.9	0.0840	0.4768	0.0720	0.4084
5/31/2009	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0800	0.4538
6/1/2009	101	A	25.3	17.3	143.5	0.068	0.387	0.000246407	99.6	99.9	0.0882	0.5004	0.0848	0.4810
6/2/2009	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.0899	0.5101
6/3/2009	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.0948	0.5378
6/4/2009	86	A	21.5	14.7	122.2	0.068	0.387	0.000246407	99.6	99.9	0.1036	0.5876	0.0988	0.5609
6/5/2009	137	A	34.3	23.4	194.7	0.068	0.387	0.000246407	99.6	99.9	0.0650	0.3689	0.0931	0.5280
6/6/2009	185	A	46.3	31.6	262.9	0.068	0.387	0.000246407	99.6	99.9	0.0481	0.2732	0.0801	0.4543
6/7/2009	161	A	40.3	27.5	228.8	0.068	0.387	0.000246407	99.6	99.9	0.0553	0.3139	0.0680	0.3859
6/8/2009	127	A	31.8	21.7	180.5	0.068	0.387	0.000246407	99.6	99.9	0.0701	0.3979	0.0597	0.3385
6/9/2009	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0584	0.3316
6/10/2009	189	A	47.3	32.3	268.6	0.068	0.387	0.000246407	99.6	99.9	0.0471	0.2674	0.0582	0.3302
6/11/2009	154	A	38.5	26.3	218.8	0.068	0.387	0.000246407	99.6	99.9	0.0578	0.3282	0.0588	0.3337
6/12/2009	155	A	38.8	26.5	220.2	0.068	0.387	0.000246407	99.6	99.9	0.0575	0.3260	0.0556	0.3158
6/13/2009	140	A	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.0565	0.3206
6/14/2009	137	A	34.3	23.4	194.7	0.068	0.387	0.000246407	99.6	99.9	0.0650	0.3689	0.0610	0.3460
6/15/2009	122	A	30.5	20.8	173.4	0.068	0.387	0.000246407	99.6	99.9	0.0730	0.4142	0.0648	0.3675
6/16/2009	105	A	26.3	17.9	149.2	0.068	0.387	0.000246407	99.6	99.9	0.0848	0.4813	0.0716	0.4064
6/17/2009	98	A	24.5	16.7	139.2	0.068	0.387	0.000246407	99.6	99.9	0.0909	0.5157	0.0784	0.4450
6/18/2009	145	A	36.3	24.8	206.0	0.068	0.387	0.000246407	99.6	99.9	0.0614	0.3485	0.0775	0.4399
6/19/2009	258	A	64.5	44.1	366.6	0.068	0.387	0.000246407	99.6	99.9	0.0345	0.1959	0.0679	0.3854
6/20/2009	229	A	57.3	39.1	325.4	0.068	0.387	0.000246407	99.6	99.9	0.0389	0.2207	0.0564	0.3202
6/21/2009	217	A	54.3	37.1	308.3	0.068	0.387	0.000246407	99.6	99.9	0.0410	0.2329	0.0440	0.2495
6/22/2009	197	A	49.3	33.7	279.9	0.068	0.387	0.000246407	99.6	99.9	0.0452	0.2565	0.0399	0.2265
6/23/2009	192	A	48.0	32.8	272.8	0.068	0.387	0.000246407	99.6	99.9	0.0464	0.2632	0.0429	0.2433
6/24/2009	188	A	47.0	32.1	267.1	0.068	0.387	0.000246407	99.6	99.9	0.0474	0.2688	0.0450	0.2554

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
6/25/2009	162	A	40.5	27.7	230.2	0.068	0.387	0.000246407	99.6	99.9	0.0550	0.3120	0.0485	0.2751
6/26/2009	147	A	36.8	25.1	208.9	0.068	0.387	0.000246407	99.6	99.9	0.0606	0.3438	0.0523	0.2969
6/27/2009	134	A	33.5	22.9	190.4	0.068	0.387	0.000246407	99.6	99.9	0.0665	0.3771	0.0574	0.3254
6/28/2009	119	A	29.8	20.3	169.1	0.068	0.387	0.000246407	99.6	99.9	0.0748	0.4247	0.0642	0.3644
6/29/2009	109	A	27.3	18.6	154.9	0.068	0.387	0.000246407	99.6	99.9	0.0817	0.4636	0.0709	0.4023
6/30/2009	100	A	25.0	17.1	142.1	0.068	0.387	0.000246407	99.6	99.9	0.0891	0.5054	0.0780	0.4427
7/1/2009	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0848	0.4814
7/2/2009	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0880	0.4991
7/3/2009	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0910	0.5162
7/4/2009	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.0949	0.5385
7/5/2009	80	A	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.0993	0.5634
7/6/2009	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1060	0.6015
7/7/2009	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1127	0.6393
7/8/2009	69	A	17.3	11.8	98.0	0.068	0.387	0.000246407	99.6	99.9	0.1291	0.7324	0.1187	0.6737
7/9/2009	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1246	0.7072
7/10/2009	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1304	0.7396
7/11/2009	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1362	0.7727
7/12/2009	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1416	0.8037
7/13/2009	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1477	0.8379
7/14/2009	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1562	0.8865
7/15/2009	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1649	0.9354
7/16/2009	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1716	0.9740
7/17/2009	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1783	1.0116
7/18/2009	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1828	1.0374
7/19/2009	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1878	1.0655
7/20/2009	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1927	1.0936
7/21/2009	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.1716	0.9739
7/22/2009	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1596	0.9056
7/23/2009	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1455	0.8254
7/24/2009	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1344	0.7625
7/25/2009	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1511	0.8573
7/26/2009	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1594	0.9045
7/27/2009	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1653	0.9379
7/28/2009	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1689	0.9585
7/29/2009	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1706	0.9678
7/30/2009	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1681	0.9541
7/31/2009	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1706	0.9678
8/1/2009	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1731	0.9821
8/2/2009	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1672	0.9485
8/3/2009	68	A	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1587	0.9004
8/4/2009	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1515	0.8597
8/5/2009	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1460	0.8287
8/6/2009	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1474	0.8362
8/7/2009	62	A	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1505	0.8542
8/8/2009	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1561	0.8855
8/9/2009	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1634	0.9270
8/10/2009	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.1773	1.0062
8/11/2009	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2000	1.1349
8/12/2009	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.2017	1.1442
8/13/2009	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1937	1.0989
8/14/2009	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1835	1.0410
8/15/2009	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1743	0.9893
8/16/2009	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.1850	1.0497
8/17/2009	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2037	1.1558
8/18/2009	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2245	1.2739
8/19/2009	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2321	1.3170

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
8/20/2009	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2364	1.3414
8/21/2009	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2448	1.3890
8/22/2009	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2430	1.3790
8/23/2009	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.2288	1.2980
8/24/2009	53	A	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.2122	1.2039
8/25/2009	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.1985	1.1261
8/26/2009	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.1952	1.1077
8/27/2009	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.2179	1.2363
8/28/2009	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.2360	1.3394
8/29/2009	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.2247	1.2753
8/30/2009	90	A	22.5	15.4	127.9	0.068	0.387	0.000246407	99.6	99.9	0.0990	0.5615	0.1909	1.0832
8/31/2009	129	A	32.3	22.0	183.3	0.068	0.387	0.000246407	99.6	99.9	0.0690	0.3918	0.1427	0.8095
9/1/2009	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1122	0.6365
9/2/2009	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1129	0.6407
9/3/2009	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1366	0.7750
9/4/2009	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1688	0.9578
9/5/2009	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.1921	1.0902
9/6/2009	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.2066	1.1721
9/7/2009	39	A	9.8	6.7	55.4	0.068	0.387	0.000246407	99.6	99.9	0.2284	1.2958	0.2153	1.2214
9/8/2009	41	A	10.3	7.0	58.3	0.068	0.387	0.000246407	99.6	99.9	0.2172	1.2326	0.2201	1.2488
9/9/2009	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.2188	1.2418
9/10/2009	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.2044	1.1599
9/11/2009	201	A	50.3	34.3	285.6	0.068	0.387	0.000246407	99.6	99.9	0.0443	0.2514	0.1584	0.8988
9/12/2009	304	A	76.0	51.9	432.0	0.068	0.387	0.000246407	99.6	99.9	0.0293	0.1662	0.1114	0.6322
9/13/2009	175	A	43.8	29.9	248.7	0.068	0.387	0.000246407	99.6	99.9	0.0509	0.2888	0.0724	0.4106
9/14/2009	110	A	27.5	18.8	156.3	0.068	0.387	0.000246407	99.6	99.9	0.0810	0.4594	0.0514	0.2915
9/15/2009	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.0671	0.3808
9/16/2009	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.0899	0.5100
9/17/2009	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1090	0.6183
9/18/2009	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1225	0.6949
9/19/2009	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1304	0.7401
9/20/2009	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1381	0.7835
9/21/2009	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1453	0.8246
9/22/2009	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1500	0.8510
9/23/2009	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1517	0.8607
9/24/2009	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1511	0.8572
9/25/2009	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1511	0.8572
9/26/2009	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1539	0.8733
9/27/2009	115	A	28.8	19.6	163.4	0.068	0.387	0.000246407	99.6	99.9	0.0774	0.4395	0.1368	0.7761
9/28/2009	156	A	39.0	26.6	221.7	0.068	0.387	0.000246407	99.6	99.9	0.0571	0.3240	0.1139	0.6465
9/29/2009	102	A	25.5	17.4	144.9	0.068	0.387	0.000246407	99.6	99.9	0.0873	0.4955	0.0967	0.5487
9/30/2009	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.0844	0.4788
10/1/2009	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.0968	0.5494
10/2/2009	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1163	0.6599
10/3/2009	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1287	0.7304
10/4/2009	63	A	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1351	0.7668
10/5/2009	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1417	0.8042
10/6/2009	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1477	0.8384
10/7/2009	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1526	0.8656
10/8/2009	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1584	0.8991
10/9/2009	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1637	0.9290
10/10/2009	52	A	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1668	0.9463
10/11/2009	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1722	0.9774
10/12/2009	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1765	1.0012
10/13/2009	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1773	1.0062
10/14/2009	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1790	1.0159

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
10/15/2009	66	A	16.5	11.3	93.8	0.068	0.387	0.000246407	99.6	99.9	0.1349	0.7657	0.1682	0.9546
10/16/2009	89	A	22.3	15.2	126.5	0.068	0.387	0.000246407	99.6	99.9	0.1001	0.5678	0.1478	0.8388
10/17/2009	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.1258	0.7137
10/18/2009	157	A	39.3	26.8	223.1	0.068	0.387	0.000246407	99.6	99.9	0.0567	0.3219	0.0954	0.5415
10/19/2009	169	A	42.3	28.9	240.1	0.068	0.387	0.000246407	99.6	99.9	0.0527	0.2990	0.0749	0.4248
10/20/2009	128	A	32.0	21.9	181.9	0.068	0.387	0.000246407	99.6	99.9	0.0696	0.3948	0.0672	0.3816
10/21/2009	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.0672	0.3816
10/22/2009	87	A	21.8	14.9	123.6	0.068	0.387	0.000246407	99.6	99.9	0.1024	0.5809	0.0787	0.4463
10/23/2009	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.0930	0.5275
10/24/2009	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1038	0.5887
10/25/2009	83	A	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.1081	0.6133
10/26/2009	92	A	23.0	15.7	130.7	0.068	0.387	0.000246407	99.6	99.9	0.0968	0.5493	0.1067	0.6055
10/27/2009	186	A	46.5	31.8	264.3	0.068	0.387	0.000246407	99.6	99.9	0.0479	0.2717	0.0912	0.5174
10/28/2009	550	A	137.5	94.0	781.5	0.068	0.387	0.000246407	99.6	99.9	0.0162	0.0919	0.0670	0.3804
10/29/2009	720	A	180.1	123.0	1023.1	0.068	0.387	0.000246407	99.6	99.9	0.0124	0.0702	0.0433	0.2458
10/30/2009	410	A	102.5	70.0	582.6	0.068	0.387	0.000246407	99.6	99.9	0.0217	0.1233	0.0245	0.1393
10/31/2009	276	A	69.0	47.1	392.2	0.068	0.387	0.000246407	99.6	99.9	0.0323	0.1831	0.0206	0.1171
11/1/2009	234	A	58.5	40.0	332.5	0.068	0.387	0.000246407	99.6	99.9	0.0381	0.2160	0.0261	0.1481
11/2/2009	243	A	60.8	41.5	345.3	0.068	0.387	0.000246407	99.6	99.9	0.0367	0.2080	0.0322	0.1826
11/3/2009	220	A	55.0	37.6	312.6	0.068	0.387	0.000246407	99.6	99.9	0.0405	0.2297	0.0369	0.2092
11/4/2009	191	A	47.8	32.6	271.4	0.068	0.387	0.000246407	99.6	99.9	0.0466	0.2646	0.0405	0.2296
11/5/2009	177	A	44.3	30.2	251.5	0.068	0.387	0.000246407	99.6	99.9	0.0503	0.2855	0.0435	0.2469
11/6/2009	168	A	42.0	28.7	238.7	0.068	0.387	0.000246407	99.6	99.9	0.0530	0.3008	0.0476	0.2702
11/7/2009	158	A	39.5	27.0	224.5	0.068	0.387	0.000246407	99.6	99.9	0.0564	0.3199	0.0516	0.2927
11/8/2009	153	A	38.3	26.1	217.4	0.068	0.387	0.000246407	99.6	99.9	0.0582	0.3303	0.0545	0.3091
11/9/2009	150	A	37.5	25.6	213.1	0.068	0.387	0.000246407	99.6	99.9	0.0594	0.3369	0.0567	0.3220
11/10/2009	145	A	36.3	24.8	206.0	0.068	0.387	0.000246407	99.6	99.9	0.0614	0.3485	0.0588	0.3339
11/11/2009	156	A	39.0	26.6	221.7	0.068	0.387	0.000246407	99.6	99.9	0.0571	0.3240	0.0590	0.3349
11/12/2009	290	A	72.5	49.5	412.1	0.068	0.387	0.000246407	99.6	99.9	0.0307	0.1743	0.0522	0.2959
11/13/2009	1060	A	265.1	181.1	1506.2	0.068	0.387	0.000246407	99.6	99.9	0.0084	0.0477	0.0394	0.2236
11/14/2009	1110	A	277.6	189.6	1577.2	0.068	0.387	0.000246407	99.6	99.9	0.0080	0.0455	0.0261	0.1479
11/15/2009	654	A	163.6	111.7	929.3	0.068	0.387	0.000246407	99.6	99.9	0.0136	0.0773	0.0152	0.0862
11/16/2009	416	A	104.0	71.1	591.1	0.068	0.387	0.000246407	99.6	99.9	0.0214	0.1215	0.0129	0.0730
11/17/2009	316	A	79.0	54.0	449.0	0.068	0.387	0.000246407	99.6	99.9	0.0282	0.1599	0.0178	0.1011
11/18/2009	262	A	65.5	44.8	372.3	0.068	0.387	0.000246407	99.6	99.9	0.0340	0.1929	0.0243	0.1379
11/19/2009	235	A	58.8	40.1	333.9	0.068	0.387	0.000246407	99.6	99.9	0.0379	0.2151	0.0304	0.1723
11/20/2009	222	A	55.5	37.9	315.4	0.068	0.387	0.000246407	99.6	99.9	0.0401	0.2276	0.0350	0.1989
11/21/2009	208	A	52.0	35.5	295.5	0.068	0.387	0.000246407	99.6	99.9	0.0428	0.2430	0.0387	0.2196
11/22/2009	197	A	49.3	33.7	279.9	0.068	0.387	0.000246407	99.6	99.9	0.0452	0.2565	0.0415	0.2355
11/23/2009	201	A	50.3	34.3	285.6	0.068	0.387	0.000246407	99.6	99.9	0.0443	0.2514	0.0431	0.2446
11/24/2009	232	A	58.0	39.6	329.7	0.068	0.387	0.000246407	99.6	99.9	0.0384	0.2178	0.0427	0.2422
11/25/2009	246	A	61.5	42.0	349.5	0.068	0.387	0.000246407	99.6	99.9	0.0362	0.2054	0.0410	0.2328
11/26/2009	225	A	56.3	38.4	319.7	0.068	0.387	0.000246407	99.6	99.9	0.0396	0.2246	0.0396	0.2248
11/27/2009	209	A	52.3	35.7	297.0	0.068	0.387	0.000246407	99.6	99.9	0.0426	0.2418	0.0392	0.2224
11/28/2009	194	A	48.5	33.1	275.7	0.068	0.387	0.000246407	99.6	99.9	0.0459	0.2605	0.0411	0.2331
11/29/2009	184	A	46.0	31.4	261.4	0.068	0.387	0.000246407	99.6	99.9	0.0484	0.2747	0.0441	0.2504
11/30/2009	180	A	45.0	30.7	255.8	0.068	0.387	0.000246407	99.6	99.9	0.0495	0.2808	0.0466	0.2644
12/1/2009	184	A	46.0	31.4	261.4	0.068	0.387	0.000246407	99.6	99.9	0.0484	0.2747	0.0480	0.2726
12/2/2009	180	A	45.0	30.7	255.8	0.068	0.387	0.000246407	99.6	99.9	0.0495	0.2808	0.0489	0.2777
12/3/2009	281	A	70.3	48.0	399.3	0.068	0.387	0.000246407	99.6	99.9	0.0317	0.1798	0.0448	0.2540
12/4/2009	448	A	112.0	76.5	636.6	0.068	0.387	0.000246407	99.6	99.9	0.0199	0.1128	0.0374	0.2120
12/5/2009	305	A	76.3	52.1	433.4	0.068	0.387	0.000246407	99.6	99.9	0.0292	0.1657	0.0326	0.1848
12/6/2009	294	A	73.5	50.2	417.7	0.068	0.387	0.000246407	99.6	99.9	0.0303	0.1719	0.0278	0.1576
12/7/2009	289	A	72.3	49.4	410.6	0.068	0.387	0.000246407	99.6	99.9	0.0308	0.1749	0.0275	0.1563
12/8/2009	242	A	60.5	41.3	343.9	0.068	0.387	0.000246407	99.6	99.9	0.0368	0.2088	0.0318	0.1803
12/9/2009	440	A	110.0	75.2	625.2	0.068	0.387	0.000246407	99.6	99.9	0.0202	0.1149	0.0295	0.1676

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
12/10/2009	1010	A	252.6	172.5	1435.1	0.068	0.387	0.000246407	99.6	99.9	0.0088	0.0500	0.0242	0.1371
12/11/2009	503	A	125.8	85.9	714.7	0.068	0.387	0.000246407	99.6	99.9	0.0177	0.1005	0.0209	0.1185
12/12/2009	323	A	80.8	55.2	459.0	0.068	0.387	0.000246407	99.6	99.9	0.0276	0.1565	0.0186	0.1055
12/13/2009	282	A	70.5	48.2	400.7	0.068	0.387	0.000246407	99.6	99.9	0.0316	0.1792	0.0214	0.1215
12/14/2009	402	A	100.5	68.7	571.2	0.068	0.387	0.000246407	99.6	99.9	0.0222	0.1257	0.0248	0.1405
12/15/2009	389	A	97.3	66.5	552.7	0.068	0.387	0.000246407	99.6	99.9	0.0229	0.1299	0.0261	0.1478
12/16/2009	301	A	75.3	51.4	427.7	0.068	0.387	0.000246407	99.6	99.9	0.0296	0.1679	0.0266	0.1507
12/17/2009	253	A	63.3	43.2	359.5	0.068	0.387	0.000246407	99.6	99.9	0.0352	0.1998	0.0275	0.1558
12/18/2009	233	A	58.3	39.8	331.1	0.068	0.387	0.000246407	99.6	99.9	0.0382	0.2169	0.0315	0.1786
12/19/2009	262	A	65.5	44.8	372.3	0.068	0.387	0.000246407	99.6	99.9	0.0340	0.1929	0.0343	0.1944
12/20/2009	294	A	73.5	50.2	417.7	0.068	0.387	0.000246407	99.6	99.9	0.0303	0.1719	0.0344	0.1954
12/21/2009	272	A	68.0	46.5	386.5	0.068	0.387	0.000246407	99.6	99.9	0.0327	0.1858	0.0338	0.1919
12/22/2009	244	A	61.0	41.7	346.7	0.068	0.387	0.000246407	99.6	99.9	0.0365	0.2071	0.0334	0.1894
12/23/2009	229	A	57.3	39.1	325.4	0.068	0.387	0.000246407	99.6	99.9	0.0389	0.2207	0.0346	0.1964
12/24/2009	209	A	52.3	35.7	297.0	0.068	0.387	0.000246407	99.6	99.9	0.0426	0.2418	0.0377	0.2139
12/25/2009	202	A	50.5	34.5	287.0	0.068	0.387	0.000246407	99.6	99.9	0.0441	0.2502	0.0405	0.2299
12/26/2009	288	A	72.0	49.2	409.2	0.068	0.387	0.000246407	99.6	99.9	0.0309	0.1755	0.0391	0.2220
12/27/2009	552	A	138.0	94.3	784.3	0.068	0.387	0.000246407	99.6	99.9	0.0161	0.0916	0.0334	0.1898
12/28/2009	411	A	102.8	70.2	584.0	0.068	0.387	0.000246407	99.6	99.9	0.0217	0.1230	0.0282	0.1600
12/29/2009	299	A	74.8	51.1	424.9	0.068	0.387	0.000246407	99.6	99.9	0.0298	0.1690	0.0246	0.1398
12/30/2009	244	A	61.0	41.7	346.7	0.068	0.387	0.000246407	99.6	99.9	0.0365	0.2071	0.0260	0.1477
12/31/2009	237	A	59.3	40.5	336.8	0.068	0.387	0.000246407	99.6	99.9	0.0376	0.2132	0.0314	0.1781
1/1/2010	253	A	63.3	43.2	359.5	0.068	0.387	0.000246407	99.6	99.9	0.0352	0.1998	0.0348	0.1973
1/2/2010	248	A	62.0	42.4	352.4	0.068	0.387	0.000246407	99.6	99.9	0.0359	0.2038	0.0363	0.2060
1/3/2010	223	A	55.8	38.1	316.9	0.068	0.387	0.000246407	99.6	99.9	0.0399	0.2266	0.0372	0.2108
1/4/2010	200	Ae	50.0	34.2	284.2	0.068	0.387	0.000246407	99.6	99.9	0.0445	0.2527	0.0389	0.2207
1/5/2010	190	A	47.5	32.5	270.0	0.068	0.387	0.000246407	99.6	99.9	0.0469	0.2660	0.0418	0.2373
1/6/2010	185	A	46.3	31.6	262.9	0.068	0.387	0.000246407	99.6	99.9	0.0481	0.2732	0.0449	0.2546
1/7/2010	179	A	44.8	30.6	254.3	0.068	0.387	0.000246407	99.6	99.9	0.0498	0.2823	0.0473	0.2685
1/8/2010	177	A	44.3	30.2	251.5	0.068	0.387	0.000246407	99.6	99.9	0.0503	0.2855	0.0488	0.2768
1/9/2010	169	A	42.3	28.9	240.1	0.068	0.387	0.000246407	99.6	99.9	0.0527	0.2990	0.0502	0.2850
1/10/2010	160	A	40.0	27.3	227.3	0.068	0.387	0.000246407	99.6	99.9	0.0557	0.3159	0.0521	0.2957
1/11/2010	155	A	38.8	26.5	220.2	0.068	0.387	0.000246407	99.6	99.9	0.0575	0.3260	0.0540	0.3066
1/12/2010	155	A	38.8	26.5	220.2	0.068	0.387	0.000246407	99.6	99.9	0.0575	0.3260	0.0558	0.3167
1/13/2010	152	A	38.0	26.0	216.0	0.068	0.387	0.000246407	99.6	99.9	0.0586	0.3325	0.0573	0.3251
1/14/2010	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0584	0.3315
1/15/2010	147	A	36.8	25.1	208.9	0.068	0.387	0.000246407	99.6	99.9	0.0606	0.3438	0.0592	0.3359
1/16/2010	145	A	36.3	24.8	206.0	0.068	0.387	0.000246407	99.6	99.9	0.0614	0.3485	0.0602	0.3416
1/17/2010	170	A	42.5	29.0	241.6	0.068	0.387	0.000246407	99.6	99.9	0.0524	0.2973	0.0586	0.3328
1/18/2010	332	A	83.0	56.7	471.7	0.068	0.387	0.000246407	99.6	99.9	0.0268	0.1522	0.0503	0.2855
1/19/2010	361	A	90.3	61.7	512.9	0.068	0.387	0.000246407	99.6	99.9	0.0247	0.1400	0.0413	0.2345
1/20/2010	242	A	60.5	41.3	343.9	0.068	0.387	0.000246407	99.6	99.9	0.0368	0.2088	0.0352	0.1996
1/21/2010	212	A	53.0	36.2	301.2	0.068	0.387	0.000246407	99.6	99.9	0.0420	0.2384	0.0326	0.1849
1/22/2010	197	A	49.3	33.7	279.9	0.068	0.387	0.000246407	99.6	99.9	0.0452	0.2565	0.0372	0.2109
1/23/2010	188	A	47.0	32.1	267.1	0.068	0.387	0.000246407	99.6	99.9	0.0474	0.2688	0.0428	0.2431
1/24/2010	178	A	44.5	30.4	252.9	0.068	0.387	0.000246407	99.6	99.9	0.0500	0.2839	0.0462	0.2619
1/25/2010	226	A	56.5	38.6	321.1	0.068	0.387	0.000246407	99.6	99.9	0.0394	0.2236	0.0455	0.2582
1/26/2010	503	A	125.8	85.9	714.7	0.068	0.387	0.000246407	99.6	99.9	0.0177	0.1005	0.0386	0.2192
1/27/2010	361	A	90.3	61.7	512.9	0.068	0.387	0.000246407	99.6	99.9	0.0247	0.1400	0.0330	0.1870
1/28/2010	257	A	64.3	43.9	365.2	0.068	0.387	0.000246407	99.6	99.9	0.0347	0.1966	0.0291	0.1652
1/29/2010	224	A	56.0	38.3	318.3	0.068	0.387	0.000246407	99.6	99.9	0.0398	0.2256	0.0292	0.1657
1/30/2010	207	A	51.8	35.4	294.1	0.068	0.387	0.000246407	99.6	99.9	0.0430	0.2441	0.0355	0.2016
1/31/2010	204	A	51.0	34.8	289.9	0.068	0.387	0.000246407	99.6	99.9	0.0437	0.2477	0.0403	0.2285
2/1/2010	194	A	48.5	33.1	275.7	0.068	0.387	0.000246407	99.6	99.9	0.0459	0.2605	0.0431	0.2445
2/2/2010	187	A	46.8	31.9	265.7	0.068	0.387	0.000246407	99.6	99.9	0.0476	0.2703	0.0451	0.2557
2/3/2010	192	A	48.0	32.8	272.8	0.068	0.387	0.000246407	99.6	99.9	0.0464	0.2632	0.0459	0.2604

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
2/4/2010	191	A	47.8	32.6	271.4	0.068	0.387	0.000246407	99.6	99.9	0.0466	0.2646	0.0466	0.2646
2/5/2010	190	A	47.5	32.5	270.0	0.068	0.387	0.000246407	99.6	99.9	0.0469	0.2660	0.0469	0.2660
2/6/2010	218	A	54.5	37.2	309.8	0.068	0.387	0.000246407	99.6	99.9	0.0409	0.2318	0.0452	0.2564
2/7/2010	221	A	55.3	37.8	314.0	0.068	0.387	0.000246407	99.6	99.9	0.0403	0.2287	0.0437	0.2478
2/8/2010	208	A	52.0	35.5	295.5	0.068	0.387	0.000246407	99.6	99.9	0.0428	0.2430	0.0427	0.2424
2/9/2010	194	A	48.5	33.1	275.7	0.068	0.387	0.000246407	99.6	99.9	0.0459	0.2605	0.0425	0.2410
2/10/2010	228	A	57.0	38.9	324.0	0.068	0.387	0.000246407	99.6	99.9	0.0391	0.2217	0.0420	0.2384
2/11/2010	239	A	59.8	40.8	339.6	0.068	0.387	0.000246407	99.6	99.9	0.0373	0.2115	0.0413	0.2341
2/12/2010	232	A	58.0	39.6	329.7	0.068	0.387	0.000246407	99.6	99.9	0.0384	0.2178	0.0402	0.2279
2/13/2010	219	A	54.8	37.4	311.2	0.068	0.387	0.000246407	99.6	99.9	0.0407	0.2308	0.0388	0.2204
2/14/2010	211	A	52.8	36.0	299.8	0.068	0.387	0.000246407	99.6	99.9	0.0422	0.2395	0.0396	0.2249
2/15/2010	201	A	50.3	34.3	285.6	0.068	0.387	0.000246407	99.6	99.9	0.0443	0.2514	0.0414	0.2349
2/16/2010	197	A	49.3	33.7	279.9	0.068	0.387	0.000246407	99.6	99.9	0.0452	0.2565	0.0431	0.2446
2/17/2010	194	A	48.5	33.1	275.7	0.068	0.387	0.000246407	99.6	99.9	0.0459	0.2605	0.0444	0.2520
2/18/2010	190	A	47.5	32.5	270.0	0.068	0.387	0.000246407	99.6	99.9	0.0469	0.2660	0.0456	0.2586
2/19/2010	192	A	48.0	32.8	272.8	0.068	0.387	0.000246407	99.6	99.9	0.0464	0.2632	0.0461	0.2616
2/20/2010	198	A	49.5	33.8	281.3	0.068	0.387	0.000246407	99.6	99.9	0.0450	0.2552	0.0460	0.2612
2/21/2010	208	A	52.0	35.5	295.5	0.068	0.387	0.000246407	99.6	99.9	0.0428	0.2430	0.0453	0.2569
2/22/2010	222	A	55.5	37.9	315.4	0.068	0.387	0.000246407	99.6	99.9	0.0401	0.2276	0.0436	0.2473
2/23/2010	286	A	71.5	48.9	406.4	0.068	0.387	0.000246407	99.6	99.9	0.0311	0.1767	0.0398	0.2256
2/24/2010	610	A	152.5	104.2	866.8	0.068	0.387	0.000246407	99.6	99.9	0.0146	0.0828	0.0322	0.1825
2/25/2010	754	A	188.6	128.8	1071.4	0.068	0.387	0.000246407	99.6	99.9	0.0118	0.0670	0.0244	0.1386
2/26/2010	603	A	150.8	103.0	856.8	0.068	0.387	0.000246407	99.6	99.9	0.0148	0.0838	0.0181	0.1026
2/27/2010	417	A	104.3	71.2	592.5	0.068	0.387	0.000246407	99.6	99.9	0.0214	0.1212	0.0156	0.0887
2/28/2010	358	A	89.5	61.2	508.7	0.068	0.387	0.000246407	99.6	99.9	0.0249	0.1412	0.0182	0.1033
3/1/2010	321	A	80.3	54.8	456.1	0.068	0.387	0.000246407	99.6	99.9	0.0277	0.1574	0.0222	0.1259
3/2/2010	295	A	73.8	50.4	419.2	0.068	0.387	0.000246407	99.6	99.9	0.0302	0.1713	0.0260	0.1478
3/3/2010	311	A	77.8	53.1	441.9	0.068	0.387	0.000246407	99.6	99.9	0.0286	0.1625	0.0279	0.1581
3/4/2010	363	A	90.8	62.0	515.8	0.068	0.387	0.000246407	99.6	99.9	0.0245	0.1392	0.0278	0.1576
3/5/2010	311	A	77.8	53.1	441.9	0.068	0.387	0.000246407	99.6	99.9	0.0286	0.1625	0.0280	0.1589
3/6/2010	271	A	67.8	46.3	385.1	0.068	0.387	0.000246407	99.6	99.9	0.0329	0.1865	0.0287	0.1627
3/7/2010	248	A	62.0	42.4	352.4	0.068	0.387	0.000246407	99.6	99.9	0.0359	0.2038	0.0305	0.1730
3/8/2010	237	A	59.3	40.5	336.8	0.068	0.387	0.000246407	99.6	99.9	0.0376	0.2132	0.0337	0.1915
3/9/2010	225	A	56.3	38.4	319.7	0.068	0.387	0.000246407	99.6	99.9	0.0396	0.2246	0.0365	0.2070
3/10/2010	216	A	54.0	36.9	306.9	0.068	0.387	0.000246407	99.6	99.9	0.0412	0.2340	0.0386	0.2189
3/11/2010	213	A	53.3	36.4	302.7	0.068	0.387	0.000246407	99.6	99.9	0.0418	0.2373	0.0401	0.2273
3/12/2010	243	A	60.8	41.5	345.3	0.068	0.387	0.000246407	99.6	99.9	0.0367	0.2080	0.0398	0.2260
3/13/2010	411	A	102.8	70.2	584.0	0.068	0.387	0.000246407	99.6	99.9	0.0217	0.1230	0.0353	0.2005
3/14/2010	782	A	195.6	133.6	1111.1	0.068	0.387	0.000246407	99.6	99.9	0.0114	0.0646	0.0279	0.1582
3/15/2010	516	A	129.0	88.1	733.2	0.068	0.387	0.000246407	99.6	99.9	0.0173	0.0979	0.0217	0.1234
3/16/2010	421	A	105.3	71.9	598.2	0.068	0.387	0.000246407	99.6	99.9	0.0212	0.1200	0.0179	0.1014
3/17/2010	346	A	86.5	59.1	491.6	0.068	0.387	0.000246407	99.6	99.9	0.0257	0.1461	0.0189	0.1072
3/18/2010	280	A	70.0	47.8	397.9	0.068	0.387	0.000246407	99.6	99.9	0.0318	0.1805	0.0240	0.1361
3/19/2010	250	A	62.5	42.7	355.2	0.068	0.387	0.000246407	99.6	99.9	0.0356	0.2021	0.0286	0.1622
3/20/2010	233	A	58.3	39.8	331.1	0.068	0.387	0.000246407	99.6	99.9	0.0382	0.2169	0.0329	0.1864
3/21/2010	215	A	53.8	36.7	305.5	0.068	0.387	0.000246407	99.6	99.9	0.0414	0.2351	0.0368	0.2086
3/22/2010	218	A	54.5	37.2	309.8	0.068	0.387	0.000246407	99.6	99.9	0.0409	0.2318	0.0390	0.2215
3/23/2010	225	A	56.3	38.4	319.7	0.068	0.387	0.000246407	99.6	99.9	0.0396	0.2246	0.0400	0.2271
3/24/2010	212	A	53.0	36.2	301.2	0.068	0.387	0.000246407	99.6	99.9	0.0420	0.2384	0.0410	0.2325
3/25/2010	196	A	49.0	33.5	278.5	0.068	0.387	0.000246407	99.6	99.9	0.0454	0.2578	0.0420	0.2382
3/26/2010	233	A	58.3	39.8	331.1	0.068	0.387	0.000246407	99.6	99.9	0.0382	0.2169	0.0413	0.2344
3/27/2010	277	A	69.3	47.3	393.6	0.068	0.387	0.000246407	99.6	99.9	0.0322	0.1824	0.0395	0.2239
3/28/2010	235	A	58.8	40.1	333.9	0.068	0.387	0.000246407	99.6	99.9	0.0379	0.2151	0.0384	0.2181
3/29/2010	357	A	89.3	61.0	507.3	0.068	0.387	0.000246407	99.6	99.9	0.0249	0.1416	0.0333	0.1890
3/30/2010	754	A	188.6	128.8	1071.4	0.068	0.387	0.000246407	99.6	99.9	0.0118	0.0670	0.0267	0.1515
3/31/2010	504	A	126.0	86.1	716.1	0.068	0.387	0.000246407	99.6	99.9	0.0177	0.1003	0.0231	0.1310

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
4/1/2010	379	A	94.8	64.7	538.5	0.068	0.387	0.000246407	99.6	99.9	0.0235	0.1333	0.0195	0.1106
4/2/2010	288	A	72.0	49.2	409.2	0.068	0.387	0.000246407	99.6	99.9	0.0309	0.1755	0.0210	0.1190
4/3/2010	248	A	62.0	42.4	352.4	0.068	0.387	0.000246407	99.6	99.9	0.0359	0.2038	0.0270	0.1532
4/4/2010	230	A	57.5	39.3	326.8	0.068	0.387	0.000246407	99.6	99.9	0.0387	0.2197	0.0323	0.1831
4/5/2010	212	A	53.0	36.2	301.2	0.068	0.387	0.000246407	99.6	99.9	0.0420	0.2384	0.0369	0.2093
4/6/2010	201	A	50.3	34.3	285.6	0.068	0.387	0.000246407	99.6	99.9	0.0443	0.2514	0.0402	0.2283
4/7/2010	182	A	45.5	31.1	258.6	0.068	0.387	0.000246407	99.6	99.9	0.0489	0.2777	0.0435	0.2468
4/8/2010	183	A	45.8	31.3	260.0	0.068	0.387	0.000246407	99.6	99.9	0.0487	0.2762	0.0460	0.2609
4/9/2010	199	A	49.8	34.0	282.8	0.068	0.387	0.000246407	99.6	99.9	0.0448	0.2540	0.0467	0.2648
4/10/2010	195	A	48.8	33.3	277.1	0.068	0.387	0.000246407	99.6	99.9	0.0457	0.2592	0.0470	0.2667
4/11/2010	178	A	44.5	30.4	252.9	0.068	0.387	0.000246407	99.6	99.9	0.0500	0.2839	0.0473	0.2683
4/12/2010	168	A	42.0	28.7	238.7	0.068	0.387	0.000246407	99.6	99.9	0.0530	0.3008	0.0484	0.2745
4/13/2010	162	A	40.5	27.7	230.2	0.068	0.387	0.000246407	99.6	99.9	0.0550	0.3120	0.0509	0.2890
4/14/2010	165	A	41.3	28.2	234.4	0.068	0.387	0.000246407	99.6	99.9	0.0540	0.3063	0.0530	0.3007
4/15/2010	156	A	39.0	26.6	221.7	0.068	0.387	0.000246407	99.6	99.9	0.0571	0.3240	0.0548	0.3108
4/16/2010	150	A	37.5	25.6	213.1	0.068	0.387	0.000246407	99.6	99.9	0.0594	0.3369	0.0564	0.3198
4/17/2010	148	A	37.0	25.3	210.3	0.068	0.387	0.000246407	99.6	99.9	0.0602	0.3415	0.0577	0.3272
4/18/2010	143	A	35.8	24.4	203.2	0.068	0.387	0.000246407	99.6	99.9	0.0623	0.3534	0.0597	0.3389
4/19/2010	142	A	35.5	24.3	201.8	0.068	0.387	0.000246407	99.6	99.9	0.0627	0.3559	0.0611	0.3469
4/20/2010	140	A	35.0	23.9	198.9	0.068	0.387	0.000246407	99.6	99.9	0.0636	0.3610	0.0622	0.3529
4/21/2010	142	A	35.5	24.3	201.8	0.068	0.387	0.000246407	99.6	99.9	0.0627	0.3559	0.0628	0.3565
4/22/2010	146	A	36.5	24.9	207.5	0.068	0.387	0.000246407	99.6	99.9	0.0610	0.3461	0.0625	0.3547
4/23/2010	139	A	34.8	23.7	197.5	0.068	0.387	0.000246407	99.6	99.9	0.0641	0.3636	0.0629	0.3566
4/24/2010	130	A	32.5	22.2	184.7	0.068	0.387	0.000246407	99.6	99.9	0.0685	0.3887	0.0641	0.3636
4/25/2010	138	A	34.5	23.6	196.1	0.068	0.387	0.000246407	99.6	99.9	0.0645	0.3662	0.0645	0.3662
4/26/2010	162	A	40.5	27.7	230.2	0.068	0.387	0.000246407	99.6	99.9	0.0550	0.3120	0.0630	0.3576
4/27/2010	152	A	38.0	26.0	216.0	0.068	0.387	0.000246407	99.6	99.9	0.0586	0.3325	0.0617	0.3498
4/28/2010	135	A	33.8	23.1	191.8	0.068	0.387	0.000246407	99.6	99.9	0.0660	0.3743	0.0610	0.3462
4/29/2010	125	A	31.3	21.4	177.6	0.068	0.387	0.000246407	99.6	99.9	0.0713	0.4043	0.0627	0.3558
4/30/2010	121	A	30.3	20.7	171.9	0.068	0.387	0.000246407	99.6	99.9	0.0736	0.4177	0.0674	0.3822
5/1/2010	116	A	29.0	19.8	164.8	0.068	0.387	0.000246407	99.6	99.9	0.0768	0.4357	0.0719	0.4080
5/2/2010	109	A	27.3	18.6	154.9	0.068	0.387	0.000246407	99.6	99.9	0.0817	0.4636	0.0758	0.4303
5/3/2010	103	A	25.8	17.6	146.4	0.068	0.387	0.000246407	99.6	99.9	0.0865	0.4907	0.0796	0.4519
5/4/2010	99	A	24.8	16.9	140.7	0.068	0.387	0.000246407	99.6	99.9	0.0900	0.5105	0.0837	0.4751
5/5/2010	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.0877	0.4978
5/6/2010	91	A	22.8	15.5	129.3	0.068	0.387	0.000246407	99.6	99.9	0.0979	0.5554	0.0918	0.5207
5/7/2010	85	A	21.3	14.5	120.8	0.068	0.387	0.000246407	99.6	99.9	0.1048	0.5946	0.0963	0.5467
5/8/2010	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.1010	0.5732
5/9/2010	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1064	0.6035
5/10/2010	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1112	0.6309
5/11/2010	77	A	19.3	13.2	109.4	0.068	0.387	0.000246407	99.6	99.9	0.1157	0.6563	0.1139	0.6464
5/12/2010	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1142	0.6483
5/13/2010	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1139	0.6462
5/14/2010	81	A	20.3	13.8	115.1	0.068	0.387	0.000246407	99.6	99.9	0.1100	0.6239	0.1121	0.6360
5/15/2010	88	A	22.0	15.0	125.0	0.068	0.387	0.000246407	99.6	99.9	0.1012	0.5743	0.1085	0.6155
5/16/2010	78	A	19.5	13.3	110.8	0.068	0.387	0.000246407	99.6	99.9	0.1142	0.6479	0.1095	0.6215
5/17/2010	76	A	19.0	13.0	108.0	0.068	0.387	0.000246407	99.6	99.9	0.1172	0.6650	0.1106	0.6278
5/18/2010	129	A	32.3	22.0	183.3	0.068	0.387	0.000246407	99.6	99.9	0.0690	0.3918	0.1004	0.5697
5/19/2010	134	A	33.5	22.9	190.4	0.068	0.387	0.000246407	99.6	99.9	0.0665	0.3771	0.0917	0.5204
5/20/2010	95	A	23.8	16.2	135.0	0.068	0.387	0.000246407	99.6	99.9	0.0938	0.5320	0.0866	0.4915
5/21/2010	82	A	20.5	14.0	116.5	0.068	0.387	0.000246407	99.6	99.9	0.1086	0.6163	0.0845	0.4793
5/22/2010	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.0954	0.5413
5/23/2010	75	A	18.8	12.8	106.6	0.068	0.387	0.000246407	99.6	99.9	0.1188	0.6738	0.1085	0.6155
5/24/2010	74	A	18.5	12.6	105.1	0.068	0.387	0.000246407	99.6	99.9	0.1204	0.6829	0.1151	0.6532
5/25/2010	73	A	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.1185	0.6722
5/26/2010	70	A	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1221	0.6928

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
5/27/2010	67	A	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1256	0.7129
5/28/2010	64	A	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1303	0.7395
5/29/2010	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1341	0.7608
5/30/2010	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1365	0.7747
5/31/2010	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1398	0.7933
6/1/2010	58	A	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1434	0.8137
6/2/2010	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1469	0.8335
6/3/2010	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1524	0.8647
6/4/2010	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1571	0.8916
6/5/2010	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.1530	0.8681
6/6/2010	56	A	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1550	0.8796
6/7/2010	49	A	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1607	0.9118
6/8/2010	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1679	0.9525
6/9/2010	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1831	1.0389
6/10/2010	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1870	1.0610
6/11/2010	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1921	1.0903
6/12/2010	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.1955	1.1095
6/13/2010	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.1978	1.1225
6/14/2010	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.2036	1.1555
6/15/2010	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.2036	1.1555
6/16/2010	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1983	1.1249
6/17/2010	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1901	1.0788
6/18/2010	44	A	11.0	7.5	62.5	0.068	0.387	0.000246407	99.6	99.9	0.2024	1.1486	0.1913	1.0852
6/19/2010	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1852	1.0508
6/20/2010	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1800	1.0215
6/21/2010	45	A	11.3	7.7	63.9	0.068	0.387	0.000246407	99.6	99.9	0.1979	1.1230	0.1859	1.0546
6/22/2010	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.1954	1.1089
6/23/2010	79	A	19.8	13.5	112.3	0.068	0.387	0.000246407	99.6	99.9	0.1127	0.6397	0.1791	1.0161
6/24/2010	60	A	15.0	10.2	85.3	0.068	0.387	0.000246407	99.6	99.9	0.1484	0.8423	0.1750	0.9927
6/25/2010	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1620	0.9191
6/26/2010	48	A	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1482	0.8408
6/27/2010	47	A	11.8	8.0	66.8	0.068	0.387	0.000246407	99.6	99.9	0.1895	1.0753	0.1674	0.9497
6/28/2010	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.1889	1.0716
6/29/2010	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2142	1.2155
6/30/2010	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.2314	1.3132
7/1/2010	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2536	1.4392
7/2/2010	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2693	1.5279
7/3/2010	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.2816	1.5981
7/4/2010	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2898	1.6447
7/5/2010	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2898	1.6447
7/6/2010	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3047	1.7289
7/7/2010	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3232	1.8342
7/8/2010	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3405	1.9320
7/9/2010	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3565	2.0231
7/10/2010	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.3330	1.8893
7/11/2010	35	A	8.8	6.0	49.7	0.068	0.387	0.000246407	99.6	99.9	0.2545	1.4439	0.3038	1.7239
7/12/2010	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2943	1.6697
7/13/2010	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2616	1.4846
7/14/2010	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.2547	1.4455
7/15/2010	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2630	1.4921
7/16/2010	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2602	1.4765
7/17/2010	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.2897	1.6436
7/18/2010	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3201	1.8165
7/19/2010	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3411	1.9354
7/20/2010	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3703	2.1014
7/21/2010	15	A	3.8	2.6	21.3	0.068	0.387	0.000246407	99.6	99.9	0.5938	3.3691	0.4363	2.4757

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
7/22/2010	15	A	3.8	2.6	21.3	0.068	0.387	0.000246407	99.6	99.9	0.5938	3.3691	0.4957	2.8126
7/23/2010	14	A	3.5	2.4	19.9	0.068	0.387	0.000246407	99.6	99.9	0.6362	3.6098	0.5620	3.1887
7/24/2010	14	A	3.5	2.4	19.9	0.068	0.387	0.000246407	99.6	99.9	0.6362	3.6098	0.6150	3.4895
7/25/2010	12	A	3.0	2.0	17.1	0.068	0.387	0.000246407	99.6	99.9	0.7422	4.2114	0.6521	3.7000
7/26/2010	11	A	2.8	1.9	15.6	0.068	0.387	0.000246407	99.6	99.9	0.8097	4.5943	0.7061	4.0063
7/27/2010	12	A	3.0	2.0	17.1	0.068	0.387	0.000246407	99.6	99.9	0.7422	4.2114	0.7326	4.1567
7/28/2010	13	A	3.3	2.2	18.5	0.068	0.387	0.000246407	99.6	99.9	0.6851	3.8875	0.7448	4.2262
7/29/2010	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.6764	3.8383
7/30/2010	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.5912	3.3546
7/31/2010	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.5448	3.0914
8/1/2010	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4972	2.8215
8/2/2010	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.5038	2.8584
8/3/2010	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.5175	2.9366
8/4/2010	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.5094	2.8902
8/5/2010	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.5094	2.8902
8/6/2010	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.5028	2.8533
8/7/2010	14	A	3.5	2.4	19.9	0.068	0.387	0.000246407	99.6	99.9	0.6362	3.6098	0.5309	3.0125
8/8/2010	15	A	3.8	2.6	21.3	0.068	0.387	0.000246407	99.6	99.9	0.5938	3.3691	0.5484	3.1116
8/9/2010	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.5638	3.1993
8/10/2010	14	A	3.5	2.4	19.9	0.068	0.387	0.000246407	99.6	99.9	0.6362	3.6098	0.6057	3.4368
8/11/2010	11	A	2.8	1.9	15.6	0.068	0.387	0.000246407	99.6	99.9	0.8097	4.5943	0.6491	3.6829
8/12/2010	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.6316	3.5839
8/13/2010	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.6038	3.4259
8/14/2010	14	A	3.5	2.4	19.9	0.068	0.387	0.000246407	99.6	99.9	0.6362	3.6098	0.6038	3.4259
8/15/2010	13	A	3.3	2.2	18.5	0.068	0.387	0.000246407	99.6	99.9	0.6851	3.8875	0.5726	3.2492
8/16/2010	12	A	3.0	2.0	17.1	0.068	0.387	0.000246407	99.6	99.9	0.7422	4.2114	0.6272	3.5589
8/17/2010	7.8	A	2.0	1.3	11.1	0.068	0.387	0.000246407	99.6	99.9	1.1418	6.4791	0.8013	4.5470
8/18/2010	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.7595	4.3095
8/19/2010	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.7274	4.1272
8/20/2010	10	A	2.5	1.7	14.2	0.068	0.387	0.000246407	99.6	99.9	0.8906	5.0537	0.7645	4.3378
8/21/2010	9.6	A	2.4	1.6	13.6	0.068	0.387	0.000246407	99.6	99.9	0.9278	5.2643	0.7110	4.0341
8/22/2010	11	A	2.8	1.9	15.6	0.068	0.387	0.000246407	99.6	99.9	0.8097	4.5943	0.7962	4.5177
8/23/2010	11	A	2.8	1.9	15.6	0.068	0.387	0.000246407	99.6	99.9	0.8097	4.5943	0.8594	4.8766
8/24/2010	8.7	A	2.2	1.5	12.4	0.068	0.387	0.000246407	99.6	99.9	1.0237	5.8089	0.8927	5.0654
8/25/2010	8.5	A	2.1	1.5	12.1	0.068	0.387	0.000246407	99.6	99.9	1.0478	5.9455	0.9227	5.2357
8/26/2010	8.4	A	2.1	1.4	11.9	0.068	0.387	0.000246407	99.6	99.9	1.0603	6.0163	0.9854	5.5913
8/27/2010	7.8	A	2.0	1.3	11.1	0.068	0.387	0.000246407	99.6	99.9	1.1418	6.4791	1.0684	6.0625
8/28/2010	7.6	A	1.9	1.3	10.8	0.068	0.387	0.000246407	99.6	99.9	1.1719	6.6496	1.1055	6.2727
8/29/2010	9.1	A	2.3	1.6	12.9	0.068	0.387	0.000246407	99.6	99.9	0.9787	5.5535	1.0882	6.1746
8/30/2010	14	A	3.5	2.4	19.9	0.068	0.387	0.000246407	99.6	99.9	0.6362	3.6098	0.9822	5.5730
8/31/2010	14	A	3.5	2.4	19.9	0.068	0.387	0.000246407	99.6	99.9	0.6362	3.6098	0.8557	4.8557
9/1/2010	17	A	4.3	2.9	24.2	0.068	0.387	0.000246407	99.6	99.9	0.5239	2.9728	0.6937	3.9365
9/2/2010	16	A	4.0	2.7	22.7	0.068	0.387	0.000246407	99.6	99.9	0.5567	3.1586	0.5882	3.3377
9/3/2010	13	A	3.3	2.2	18.5	0.068	0.387	0.000246407	99.6	99.9	0.6851	3.8875	0.6005	3.4072
9/4/2010	5.7	A	1.4	1.0	8.1	0.068	0.387	0.000246407	99.6	99.9	1.5625	8.8662	0.8320	4.7212
9/5/2010	3.9	A	1.0	0.7	5.5	0.068	0.387	0.000246407	99.6	99.9	2.2837	12.9582	1.2720	7.2176
9/6/2010	3.6	A	0.9	0.6	5.1	0.068	0.387	0.000246407	99.6	99.9	2.4740	14.0381	1.7513	9.9375
9/7/2010	3.8	A	1.0	0.6	5.4	0.068	0.387	0.000246407	99.6	99.9	2.3438	13.2992	2.1660	12.2904
9/8/2010	3.8	A	1.0	0.6	5.4	0.068	0.387	0.000246407	99.6	99.9	2.3438	13.2992	2.3613	13.3987
9/9/2010	3	A	0.8	0.5	4.3	0.068	0.387	0.000246407	99.6	99.9	2.9688	16.8457	2.5326	14.3706
9/10/2010	3	A	0.8	0.5	4.3	0.068	0.387	0.000246407	99.6	99.9	2.9688	16.8457	2.6563	15.0725
9/11/2010	3.3	A	0.8	0.6	4.7	0.068	0.387	0.000246407	99.6	99.9	2.6989	15.3143	2.7451	15.5762
9/12/2010	7.3	A	1.8	1.2	10.4	0.068	0.387	0.000246407	99.6	99.9	1.2201	6.9229	2.4641	13.9821
9/13/2010	7.5	A	1.9	1.3	10.7	0.068	0.387	0.000246407	99.6	99.9	1.1875	6.7383	2.0188	11.4553
9/14/2010	5	A	1.3	0.9	7.1	0.068	0.387	0.000246407	99.6	99.9	1.7813	10.1074	1.7219	9.7707
9/15/2010	4.3	A	1.1	0.7	6.1	0.068	0.387	0.000246407	99.6	99.9	2.0713	11.7528	1.5650	8.8804

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
9/16/2010	3.8	A	1.0	0.6	5.4	0.068	0.387	0.000246407	99.6	99.9	2.3438	13.2992	1.8460	10.4744
9/17/2010	3.8	A	1.0	0.6	5.4	0.068	0.387	0.000246407	99.6	99.9	2.3438	13.2992	2.1350	12.1147
9/18/2010	3.3	A	0.8	0.6	4.7	0.068	0.387	0.000246407	99.6	99.9	2.6989	15.3143	2.3644	13.4164
9/19/2010	4.6	A	1.2	0.8	6.5	0.068	0.387	0.000246407	99.6	99.9	1.9362	10.9863	2.3307	13.2248
9/20/2010	4.2	A	1.1	0.7	6.0	0.068	0.387	0.000246407	99.6	99.9	2.1206	12.0326	2.2749	12.9081
9/21/2010	3.9	A	1.0	0.7	5.5	0.068	0.387	0.000246407	99.6	99.9	2.2837	12.9582	2.2598	12.8229
9/22/2010	4.2	A	1.1	0.7	6.0	0.068	0.387	0.000246407	99.6	99.9	2.1206	12.0326	2.1153	12.0025
9/23/2010	3.4	A	0.9	0.6	4.8	0.068	0.387	0.000246407	99.6	99.9	2.6195	14.8639	2.2861	12.9718
9/24/2010	3.3	A	0.8	0.6	4.7	0.068	0.387	0.000246407	99.6	99.9	2.6989	15.3143	2.4307	13.7923
9/25/2010	2.9	A	0.7	0.5	4.1	0.068	0.387	0.000246407	99.6	99.9	3.0712	17.4266	2.6275	14.9093
9/26/2010	3	A	0.8	0.5	4.3	0.068	0.387	0.000246407	99.6	99.9	2.9688	16.8457	2.8396	16.1126
9/27/2010	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	2.2252	12.6264
9/28/2010	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	1.5917	9.0318
9/29/2010	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.8935	5.0699
9/30/2010	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.2338	1.3264
10/1/2010	51	A	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.2369	1.3445
10/2/2010	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.2475	1.4043
10/3/2010	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2454	1.3923
10/4/2010	57	A	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.2020	1.1461
10/5/2010	46	A	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.2067	1.1730
10/6/2010	33	A	8.3	5.6	46.9	0.068	0.387	0.000246407	99.6	99.9	0.2699	1.5314	0.2224	1.2620
10/7/2010	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2345	1.3304
10/8/2010	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.2845	1.6141
10/9/2010	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3288	1.8659
10/10/2010	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3582	2.0323
10/11/2010	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3847	2.1827
10/12/2010	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4069	2.3091
10/13/2010	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4314	2.4476
10/14/2010	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.4236	2.4037
10/15/2010	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.3918	2.2232
10/16/2010	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3695	2.0968
10/17/2010	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3492	1.9812
10/18/2010	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3661	2.0775
10/19/2010	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3979	2.2580
10/20/2010	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3856	2.1882
10/21/2010	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.3507	1.9899
10/22/2010	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3242	1.8395
10/23/2010	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3109	1.7643
10/24/2010	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3269	1.8550
10/25/2010	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3619	2.0534
10/26/2010	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3836	2.1765
10/27/2010	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3876	2.1993
10/28/2010	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3916	2.2222
10/29/2010	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4009	2.2746
10/30/2010	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4233	2.4022
10/31/2010	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4502	2.5548
11/1/2010	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4771	2.7073
11/2/2010	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4948	2.8076
11/3/2010	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4883	2.7707
11/4/2010	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.4342	2.4636
11/5/2010	34	A	8.5	5.8	48.3	0.068	0.387	0.000246407	99.6	99.9	0.2620	1.4864	0.3760	2.1333
11/6/2010	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3347	1.8993
11/7/2010	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3103	1.7608
11/8/2010	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3375	1.9153
11/9/2010	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3733	2.1180
11/10/2010	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.3968	2.2517

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
11/11/2010	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4101	2.3269
11/12/2010	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4193	2.3792
11/13/2010	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4193	2.3792
11/14/2010	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4145	2.3518
11/15/2010	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4097	2.3245
11/16/2010	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.4004	2.2722
11/17/2010	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.3760	2.1336
11/18/2010	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3604	2.0452
11/19/2010	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3520	1.9973
11/20/2010	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3520	1.9973
11/21/2010	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3764	2.1360
11/22/2010	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3920	2.2243
11/23/2010	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4004	2.2722
11/24/2010	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4208	2.3878
11/25/2010	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4309	2.4452
11/26/2010	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4358	2.4726
11/27/2010	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4517	2.5633
11/28/2010	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4582	2.6002
11/29/2010	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4706	2.6704
11/30/2010	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4883	2.7707
12/1/2010	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.4536	2.5736
12/2/2010	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.4094	2.3230
12/3/2010	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3748	2.1264
12/4/2010	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3523	1.9988
12/5/2010	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3710	2.1052
12/6/2010	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4028	2.2857
12/7/2010	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4251	2.4120
12/8/2010	19	A	4.8	3.2	27.0	0.068	0.387	0.000246407	99.6	99.9	0.4688	2.6598	0.4411	2.5027
12/9/2010	18	A	4.5	3.1	25.6	0.068	0.387	0.000246407	99.6	99.9	0.4948	2.8076	0.4636	2.6303
12/10/2010	20	A	5.0	3.4	28.4	0.068	0.387	0.000246407	99.6	99.9	0.4453	2.5269	0.4636	2.6303
12/11/2010	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4582	2.6002
12/12/2010	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.3997	2.2677
12/13/2010	40	A	10.0	6.8	56.8	0.068	0.387	0.000246407	99.6	99.9	0.2227	1.2634	0.3316	1.8817
12/14/2010	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.2998	1.7012
12/15/2010	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.2906	1.6489
12/16/2010	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3211	1.8218
12/17/2010	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3582	2.0323
12/18/2010	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3799	2.1554
12/19/2010	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3843	2.1804
12/20/2010	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3964	2.2493
12/21/2010	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.4048	2.2971
12/22/2010	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4097	2.3245
12/23/2010	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4145	2.3518
12/24/2010	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4193	2.3792
12/25/2010	21	A	5.3	3.6	29.8	0.068	0.387	0.000246407	99.6	99.9	0.4241	2.4065	0.4241	2.4065
12/26/2010	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3976	2.2561
12/27/2010	30	A	7.5	5.1	42.6	0.068	0.387	0.000246407	99.6	99.9	0.2969	1.6846	0.3658	2.0756
12/28/2010	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3488	1.9794
12/29/2010	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3396	1.9271
12/30/2010	22	A	5.5	3.8	31.3	0.068	0.387	0.000246407	99.6	99.9	0.4048	2.2971	0.3613	2.0501
12/31/2010	23	A	5.8	3.9	32.7	0.068	0.387	0.000246407	99.6	99.9	0.3872	2.1973	0.3839	2.1783
1/1/2011	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3839	2.1783
1/2/2011	38	A	9.5	6.5	54.0	0.068	0.387	0.000246407	99.6	99.9	0.2344	1.3299	0.3457	1.9615
1/3/2011	37	A	9.3	6.3	52.6	0.068	0.387	0.000246407	99.6	99.9	0.2407	1.3659	0.3046	1.7286
1/4/2011	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2846	1.6150
1/5/2011	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.2812	1.5955

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
1/6/2011	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3082	1.7490
1/7/2011	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3337	1.8935
1/8/2011	27	A	6.8	4.6	38.4	0.068	0.387	0.000246407	99.6	99.9	0.3299	1.8717	0.3394	1.9257
1/9/2011	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3428	1.9452
1/10/2011	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3499	1.9857
1/11/2011	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3534	2.0051
1/12/2011	28	A	7.0	4.8	39.8	0.068	0.387	0.000246407	99.6	99.9	0.3181	1.8049	0.3504	1.9884
1/13/2011	26	A	6.5	4.4	36.9	0.068	0.387	0.000246407	99.6	99.9	0.3426	1.9437	0.3470	1.9690
1/14/2011	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3470	1.9690
1/15/2011	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3507	1.9900
1/16/2011	24	A	6.0	4.1	34.1	0.068	0.387	0.000246407	99.6	99.9	0.3711	2.1057	0.3640	2.0652
1/17/2011	25	A	6.3	4.3	35.5	0.068	0.387	0.000246407	99.6	99.9	0.3563	2.0215	0.3674	2.0847
1/18/2011	65	A	16.3	11.1	92.4	0.068	0.387	0.000246407	99.6	99.9	0.1370	0.7775	0.3089	1.7526
1/19/2011	59	A	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.2538	1.4403
1/20/2011	42	A	10.5	7.2	59.7	0.068	0.387	0.000246407	99.6	99.9	0.2121	1.2033	0.2141	1.2147
1/21/2011	43	A	10.8	7.3	61.1	0.068	0.387	0.000246407	99.6	99.9	0.2071	1.1753	0.1768	1.0032
1/22/2011	36	A	9.0	6.1	51.2	0.068	0.387	0.000246407	99.6	99.9	0.2474	1.4038	0.2044	1.1597
1/23/2011	32	A	8.0	5.5	45.5	0.068	0.387	0.000246407	99.6	99.9	0.2783	1.5793	0.2362	1.3404
1/24/2011	29	A	7.3	5.0	41.2	0.068	0.387	0.000246407	99.6	99.9	0.3071	1.7427	0.2600	1.4753
1/25/2011	31	A	7.8	5.3	44.0	0.068	0.387	0.000246407	99.6	99.9	0.2873	1.6302	0.2800	1.5890
1/26/2011	55	A	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.2587	1.4678
1/27/2011	96	A	24.0	16.4	136.4	0.068	0.387	0.000246407	99.6	99.9	0.0928	0.5264	0.2123	1.2045
1/28/2011	72	A	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1664	0.9444
1/29/2011	61	A	15.3	10.4	86.7	0.068	0.387	0.000246407	99.6	99.9	0.1460	0.8285	0.1311	0.7439
1/30/2011	54	A	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1319	0.7482
1/31/2011	50	A	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1532	0.8692
2/1/2011	49	P	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1677	0.9516
2/2/2011	68	P	17.0	11.6	96.6	0.068	0.387	0.000246407	99.6	99.9	0.1310	0.7432	0.1640	0.9303
2/3/2011	67	P	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1560	0.8849
2/4/2011	59	P	14.8	10.1	83.8	0.068	0.387	0.000246407	99.6	99.9	0.1510	0.8566	0.1492	0.8464
2/5/2011	57	P	14.3	9.7	81.0	0.068	0.387	0.000246407	99.6	99.9	0.1563	0.8866	0.1428	0.8102
2/6/2011	58	P	14.5	9.9	82.4	0.068	0.387	0.000246407	99.6	99.9	0.1536	0.8713	0.1484	0.8422
2/7/2011	55	P	13.8	9.4	78.1	0.068	0.387	0.000246407	99.6	99.9	0.1619	0.9189	0.1557	0.8833
2/8/2011	56	P	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1577	0.8948
2/9/2011	52	P	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1615	0.9161
2/10/2011	54	P	13.5	9.2	76.7	0.068	0.387	0.000246407	99.6	99.9	0.1649	0.9359	0.1643	0.9323
2/11/2011	52	P	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1666	0.9455
2/12/2011	53	P	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1689	0.9583
2/13/2011	52	P	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1689	0.9583
2/14/2011	52	P	13.0	8.9	73.9	0.068	0.387	0.000246407	99.6	99.9	0.1713	0.9719	0.1705	0.9673
2/15/2011	49	P	12.3	8.4	69.6	0.068	0.387	0.000246407	99.6	99.9	0.1818	1.0314	0.1731	0.9822
2/16/2011	48	P	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1775	1.0070
2/17/2011	48	P	12.0	8.2	68.2	0.068	0.387	0.000246407	99.6	99.9	0.1856	1.0529	0.1810	1.0272
2/18/2011	51	P	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1819	1.0320
2/19/2011	51	P	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1801	1.0219
2/20/2011	46	P	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1821	1.0333
2/21/2011	46	P	11.5	7.9	65.4	0.068	0.387	0.000246407	99.6	99.9	0.1936	1.0986	0.1841	1.0448
2/22/2011	51	P	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1841	1.0448
2/23/2011	51	P	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1841	1.0448
2/24/2011	50	P	12.5	8.5	71.0	0.068	0.387	0.000246407	99.6	99.9	0.1781	1.0107	0.1803	1.0228
2/25/2011	62	P	15.5	10.6	88.1	0.068	0.387	0.000246407	99.6	99.9	0.1437	0.8151	0.1678	0.9519
2/26/2011	56	P	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1639	0.9298
2/27/2011	51	P	12.8	8.7	72.5	0.068	0.387	0.000246407	99.6	99.9	0.1746	0.9909	0.1639	0.9298
2/28/2011	56	P	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1591	0.9027
3/1/2011	72	P	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1541	0.8744
3/2/2011	64	P	16.0	10.9	90.9	0.068	0.387	0.000246407	99.6	99.9	0.1392	0.7896	0.1491	0.8462

	Net Advective Flow in Vicinity of Burton Island					Arsenic Mass Loading Rates					Increase in Arsenic from Load			
Date	Flow at Millsboro (cfs)	Code for Flow	Added Flow from Iron Br (cfs)	Added Flow from Swan Cr (cfs)	Total Net Advective Flow Near Burton Isl (cfs)	Arsenic Groundwater to Surface Water Load Lower Bound (SLR 0.5 m) (lb/day)	Arsenic Groundwater to Surface Water Load Upper Bound (SLR 1.5 m) (lb/day)	Arsenic Overland Flow Load (lb/day)	Contribution from Groundwater Lower Bound (%)	Contribution from Groundwater Upper Bound (%)	[As] Increase in Indian River Lower Bound (ug/L)	[As] Increase in Indian River Upper Bound (ug/L)	4-Day Average [As] Increase in Indian River Lower Bound	4-Day Average [As] Increase in Indian River Upper Bound
3/3/2011	56	P	14.0	9.6	79.6	0.068	0.387	0.000246407	99.6	99.9	0.1590	0.9024	0.1452	0.8241
3/4/2011	53	P	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1475	0.8369
3/5/2011	53	P	13.3	9.1	75.3	0.068	0.387	0.000246407	99.6	99.9	0.1680	0.9535	0.1586	0.8998
3/6/2011	63	P	15.8	10.8	89.5	0.068	0.387	0.000246407	99.6	99.9	0.1414	0.8022	0.1591	0.9029
3/7/2011	108	P	27.0	18.4	153.5	0.068	0.387	0.000246407	99.6	99.9	0.0825	0.4679	0.1400	0.7943
3/8/2011	80	P	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1258	0.7138
3/9/2011	67	P	16.8	11.4	95.2	0.068	0.387	0.000246407	99.6	99.9	0.1329	0.7543	0.1170	0.6640
3/10/2011	72	P	18.0	12.3	102.3	0.068	0.387	0.000246407	99.6	99.9	0.1237	0.7019	0.1126	0.6390
3/11/2011	124	P	31.0	21.2	176.2	0.068	0.387	0.000246407	99.6	99.9	0.0718	0.4076	0.1099	0.6239
3/12/2011	109	P	27.3	18.6	154.9	0.068	0.387	0.000246407	99.6	99.9	0.0817	0.4636	0.1025	0.5818
3/13/2011	83	P	20.8	14.2	117.9	0.068	0.387	0.000246407	99.6	99.9	0.1073	0.6089	0.0961	0.5455
3/14/2011	73	P	18.3	12.5	103.7	0.068	0.387	0.000246407	99.6	99.9	0.1220	0.6923	0.0957	0.5431
3/15/2011	70	P	17.5	12.0	99.5	0.068	0.387	0.000246407	99.6	99.9	0.1272	0.7220	0.1096	0.6217
3/16/2011	80	P	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1170	0.6637
3/17/2011	80	P	20.0	13.7	113.7	0.068	0.387	0.000246407	99.6	99.9	0.1113	0.6317	0.1180	0.6694
										Maximum	17.8	101.1	6.855	38.9
										Minimum	0.0	0.0	0.0	0.1
										Average	0.17	0.98	0.17	1.0
										Median	0.13	0.71	0.13	0.71
										99th Percentile	0.64	3.64	0.66	3.72

Millsboro Q Frequencies		Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
Bin	*Frequency*	8/30/1998	0.5	Ae	1	0.0123
0.5	1	8/31/1998	1	Ae	2	0.0245
14.49444	107	9/25/2010	2.9	A	3	0.0368
28.48889	939	9/9/2010	3	A	4	0.0491
42.48333	989	9/10/2010	3	A	5	0.0614
56.47778	912	9/26/2010	3	A	6	0.0736
70.47222	1110	9/11/2010	3.3	A	7	0.0859
84.46667	801	9/18/2010	3.3	A	8	0.0982
98.46111	569	9/24/2010	3.3	A	9	0.1105
112.4556	464	9/23/2010	3.4	A	10	0.1227
126.45	410	9/6/2010	3.6	A	11	0.1350
140.4444	347	9/7/2010	3.8	A	12	0.1473
154.4389	312	9/8/2010	3.8	A	13	0.1596
168.4333	264	9/16/2010	3.8	A	14	0.1718
182.4278	172	9/17/2010	3.8	A	15	0.1841
196.4222	139	9/5/2010	3.9	A	16	0.1964
210.4167	127	9/21/2010	3.9	A	17	0.2087
224.4111	94	9/20/2010	4.2	A	18	0.2209
238.4056	66	9/22/2010	4.2	A	19	0.2332
252.4	43	9/15/2010	4.3	A	20	0.2455
266.3944	33	9/19/2010	4.6	A	21	0.2578
280.3889	32	9/14/2010	5	A	22	0.2700
294.3833	27	9/4/2010	5.7	A	23	0.2823
308.3778	25	9/12/2010	7.3	A	24	0.2946
322.3722	13	9/13/2010	7.5	A	25	0.3069
336.3667	9	8/28/2010	7.6	A	26	0.3191
350.3611	17	8/17/2010	7.8	A	27	0.3314
364.3556	16	8/27/2010	7.8	A	28	0.3437
378.35	6	8/26/2010	8.4	A	29	0.3560
392.3444	11	8/25/2010	8.5	A	30	0.3682
406.3389	6	8/24/2010	8.7	A	31	0.3805
420.3333	14	8/29/2010	9.1	A	32	0.3928
434.3278	6	8/14/2002	9.5	A	33	0.4051
448.3222	3	8/21/2010	9.6	A	34	0.4173
462.3167	4	8/10/2002	9.7	A	35	0.4296
476.3111	6	8/11/2002	9.7	A	36	0.4419
490.3056	1	8/12/2002	9.7	A	37	0.4542
504.3	9	8/13/2002	9.7	A	38	0.4664
518.2944	4	8/20/2010	10	A	39	0.4787
532.2889	1	8/15/2002	11	A	40	0.4910
546.2833	2	7/26/2010	11	A	41	0.5033
560.2778	5	8/11/2010	11	A	42	0.5155
574.2722	2	8/22/2010	11	A	43	0.5278
588.2667	3	8/23/2010	11	A	44	0.5401
602.2611	0	7/9/2002	12	A	45	0.5524
616.2556	3	7/10/2002	12	A	46	0.5646
630.25	2	7/11/2002	12	A	47	0.5769
644.2444	1	7/12/2002	12	A	48	0.5892
658.2389	3	7/13/2002	12	A	49	0.6014
672.2333	1	7/14/2002	12	A	50	0.6137
686.2278	0	7/15/2002	12	A	51	0.6260
700.2222	1	7/16/2002	12	A	52	0.6383
714.2167	0	7/17/2002	12	A	53	0.6505
728.2111	2	7/18/2002	12	A	54	0.6628
742.2056	0	7/19/2002	12	A	55	0.6751
756.2	2	7/20/2002	12	A	56	0.6874

Millsboro Q Frequencies		Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
770.1944	0	7/21/2002	12	A	57	0.6996
784.1889	1	7/22/2002	12	A	58	0.7119
798.1833	0	7/23/2002	12	A	59	0.7242
812.1778	0	7/26/2002	12	A	60	0.7365
826.1722	0	8/9/2002	12	A	61	0.7487
840.1667	0	8/22/2002	12	A	62	0.7610
854.1611	0	8/23/2002	12	A	63	0.7733
868.1556	0	9/3/2008	12	A	64	0.7856
882.15	0	9/4/2008	12	A	65	0.7978
896.1444	0	7/25/2010	12	A	66	0.8101
910.1389	2	7/27/2010	12	A	67	0.8224
924.1333	0	8/16/2010	12	A	68	0.8347
938.1278	0	10/7/1986	13	A	69	0.8469
952.1222	0	8/8/1999	13	A	70	0.8592
966.1167	0	8/9/1999	13	A	71	0.8715
980.1111	0	8/8/2002	13	A	72	0.8838
994.1056	0	8/16/2002	13	A	73	0.8960
1008.1	1	8/24/2002	13	A	74	0.9083
1022.094	1	9/2/2008	13	A	75	0.9206
1036.089	0	9/16/2008	13	A	76	0.9329
1050.083	0	9/22/2008	13	A	77	0.9451
1064.078	1	9/23/2008	13	A	78	0.9574
1078.072	0	9/24/2008	13	A	79	0.9697
1092.067	0	7/28/2010	13	A	80	0.9820
1106.061	0	8/15/2010	13	A	81	0.9942
1120.056	1	9/3/2010	13	A	82	1.0065
1134.05	0	10/8/1986	14	A	83	1.0188
1148.044	0	8/12/1999	14	A	84	1.0311
1162.039	1	7/8/2002	14	A	85	1.0433
1176.033	0	7/25/2002	14	A	86	1.0556
1190.028	0	8/17/2002	14	A	87	1.0679
1204.022	0	8/19/2002	14	A	88	1.0802
1218.017	0	8/21/2002	14	A	89	1.0924
1232.011	1	8/25/2002	14	A	90	1.1047
1246.006	0	8/26/2002	14	A	91	1.1170
More	1	8/27/2002	14	A	92	1.1293
		10/6/2007	14	Ae	93	1.1415
		10/7/2007	14	Ae	94	1.1538
		10/8/2007	14	Ae	95	1.1661
		8/26/2008	14	A	96	1.1783
		8/27/2008	14	A	97	1.1906
		9/1/2008	14	A	98	1.2029
		9/18/2008	14	A	99	1.2152
		9/19/2008	14	A	100	1.2274
		9/21/2008	14	A	101	1.2397
		7/23/2010	14	A	102	1.2520
		7/24/2010	14	A	103	1.2643
		8/7/2010	14	A	104	1.2765
		8/10/2010	14	A	105	1.2888
		8/14/2010	14	A	106	1.3011
		8/30/2010	14	A	107	1.3134
		8/31/2010	14	A	108	1.3256
		10/6/1986	15	A	109	1.3379
		10/9/1986	15	A	110	1.3502
		8/11/1999	15	A	111	1.3625
		7/7/2002	15	A	112	1.3747

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
7/31/2002	15	A	113	1.3870
8/7/2002	15	A	114	1.3993
10/2/2007	15	Ae	115	1.4116
10/3/2007	15	Ae	116	1.4238
10/4/2007	15	Ae	117	1.4361
10/5/2007	15	Ae	118	1.4484
10/9/2007	15	Ae	119	1.4607
10/17/2007	15	Ae	120	1.4729
10/18/2007	15	Ae	121	1.4852
9/15/2008	15	A	122	1.4975
9/17/2008	15	A	123	1.5098
9/20/2008	15	A	124	1.5220
7/21/2010	15	A	125	1.5343
7/22/2010	15	A	126	1.5466
8/8/2010	15	A	127	1.5589
9/17/1986	16	A	128	1.5711
9/18/1986	16	A	129	1.5834
10/3/1986	16	A	130	1.5957
10/5/1986	16	A	131	1.6080
10/10/1986	16	A	132	1.6202
10/11/1986	16	A	133	1.6325
10/12/1986	16	A	134	1.6448
10/2/1987	16	A	135	1.6571
10/14/1987	16	A	136	1.6693
10/22/1987	16	A	137	1.6816
11/6/1987	16	A	138	1.6939
11/7/1987	16	A	139	1.7061
11/22/1987	16	A	140	1.7184
8/19/1988	16	A	141	1.7307
9/24/1988	16	A	142	1.7430
8/10/1999	16	A	143	1.7552
8/13/1999	16	A	144	1.7675
8/3/2002	16	A	145	1.7798
8/4/2002	16	A	146	1.7921
8/6/2002	16	A	147	1.8043
8/18/2002	16	A	148	1.8166
8/20/2002	16	A	149	1.8289
8/28/2002	16	A	150	1.8412
10/14/2007	16	Ae	151	1.8534
10/15/2007	16	Ae	152	1.8657
10/16/2007	16	Ae	153	1.8780
10/19/2007	16	Ae	154	1.8903
8/24/2008	16	A	155	1.9025
8/25/2008	16	A	156	1.9148
8/28/2008	16	A	157	1.9271
8/31/2008	16	A	158	1.9394
10/12/2008	16	A	159	1.9516
7/31/2010	16	A	160	1.9639
8/9/2010	16	A	161	1.9762
8/19/2010	16	A	162	1.9885
9/2/2010	16	A	163	2.0007
8/1/1986	17	A	164	2.0130
8/2/1986	17	A	165	2.0253
8/6/1986	17	A	166	2.0376
9/19/1986	17	A	167	2.0498
10/4/1986	17	A	168	2.0621

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
10/13/1986	17	A	169	2.0744
10/23/1987	17	A	170	2.0867
11/23/1987	17	A	171	2.0989
8/17/1988	17	A	172	2.1112
8/18/1988	17	A	173	2.1235
9/23/1988	17	A	174	2.1358
9/1/1998	17	A	175	2.1480
8/2/1999	17	A	176	2.1603
8/5/1999	17	A	177	2.1726
8/6/1999	17	A	178	2.1849
8/7/1999	17	A	179	2.1971
8/30/1999	17	A	180	2.2094
7/3/2002	17	A	181	2.2217
7/4/2002	17	A	182	2.2340
7/5/2002	17	A	183	2.2462
7/6/2002	17	A	184	2.2585
8/1/2002	17	A	185	2.2708
8/2/2002	17	A	186	2.2830
9/8/2007	17	Ae	187	2.2953
10/1/2007	17	Ae	188	2.3076
10/13/2007	17	Ae	189	2.3199
10/21/2007	17	Ae	190	2.3321
10/22/2007	17	Ae	191	2.3444
10/23/2007	17	Ae	192	2.3567
8/21/2008	17	A	193	2.3690
9/5/2008	17	A	194	2.3812
9/14/2008	17	A	195	2.3935
10/11/2008	17	A	196	2.4058
10/19/2008	17	A	197	2.4181
10/20/2008	17	A	198	2.4303
10/21/2008	17	A	199	2.4426
10/22/2008	17	A	200	2.4549
8/3/2010	17	A	201	2.4672
8/4/2010	17	A	202	2.4794
8/12/2010	17	A	203	2.4917
9/1/2010	17	A	204	2.5040
7/31/1986	18	A	205	2.5163
8/16/1986	18	A	206	2.5285
9/14/1986	18	A	207	2.5408
9/15/1986	18	A	208	2.5531
9/16/1986	18	A	209	2.5654
9/20/1986	18	A	210	2.5776
9/21/1986	18	A	211	2.5899
9/22/1986	18	A	212	2.6022
9/23/1986	18	A	213	2.6145
9/24/1986	18	A	214	2.6267
9/25/1986	18	A	215	2.6390
9/26/1986	18	A	216	2.6513
9/29/1986	18	A	217	2.6636
9/30/1986	18	A	218	2.6758
10/1/1986	18	A	219	2.6881
10/2/1986	18	A	220	2.7004
10/21/1986	18	A	221	2.7127
9/2/1987	18	A	222	2.7249
9/3/1987	18	A	223	2.7372
9/4/1987	18	A	224	2.7495

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
9/5/1987	18	A	225	2.7618
9/6/1987	18	A	226	2.7740
9/7/1987	18	A	227	2.7863
9/27/1987	18	A	228	2.7986
9/28/1987	18	A	229	2.8109
9/29/1987	18	A	230	2.8231
10/9/1987	18	A	231	2.8354
10/10/1987	18	A	232	2.8477
10/12/1987	18	A	233	2.8599
10/13/1987	18	A	234	2.8722
10/15/1987	18	A	235	2.8845
10/16/1987	18	A	236	2.8968
10/17/1987	18	A	237	2.9090
10/19/1987	18	A	238	2.9213
10/20/1987	18	A	239	2.9336
10/24/1987	18	A	240	2.9459
10/26/1987	18	A	241	2.9581
11/8/1987	18	A	242	2.9704
8/15/1988	18	A	243	2.9827
8/16/1988	18	A	244	2.9950
9/16/1988	18	A	245	3.0072
9/17/1988	18	A	246	3.0195
9/22/1988	18	A	247	3.0318
9/30/1988	18	A	248	3.0441
9/1/1999	18	A	249	3.0563
7/30/2002	18	A	250	3.0686
8/14/2007	18	Ae	251	3.0809
8/16/2007	18	Ae	252	3.0932
9/4/2007	18	Ae	253	3.1054
9/5/2007	18	Ae	254	3.1177
9/6/2007	18	Ae	255	3.1300
9/7/2007	18	Ae	256	3.1423
9/9/2007	18	Ae	257	3.1545
9/21/2007	18	Ae	258	3.1668
9/24/2007	18	Ae	259	3.1791
9/25/2007	18	Ae	260	3.1914
9/26/2007	18	Ae	261	3.2036
9/27/2007	18	Ae	262	3.2159
9/28/2007	18	Ae	263	3.2282
9/29/2007	18	Ae	264	3.2405
9/30/2007	18	Ae	265	3.2527
10/12/2007	18	Ae	266	3.2650
10/20/2007	18	Ae	267	3.2773
8/22/2008	18	A	268	3.2896
8/23/2008	18	A	269	3.3018
8/29/2008	18	A	270	3.3141
8/30/2008	18	A	271	3.3264
10/7/2008	18	A	272	3.3387
10/8/2008	18	A	273	3.3509
10/13/2008	18	A	274	3.3632
10/17/2008	18	A	275	3.3755
10/18/2008	18	A	276	3.3878
8/1/2010	18	A	277	3.4000
8/2/2010	18	A	278	3.4123
8/5/2010	18	A	279	3.4246
10/30/2010	18	A	280	3.4368

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
10/31/2010	18	A	281	3.4491
11/1/2010	18	A	282	3.4614
11/2/2010	18	A	283	3.4737
11/28/2010	18	A	284	3.4859
11/29/2010	18	A	285	3.4982
11/30/2010	18	A	286	3.5105
12/9/2010	18	A	287	3.5228
7/25/1986	19	A	288	3.5350
8/11/1986	19	A	289	3.5473
8/12/1986	19	A	290	3.5596
9/13/1986	19	A	291	3.5719
9/28/1986	19	A	292	3.5841
10/19/1986	19	A	293	3.5964
10/20/1986	19	A	294	3.6087
8/31/1987	19	A	295	3.6210
9/24/1987	19	A	296	3.6332
9/25/1987	19	A	297	3.6455
9/26/1987	19	A	298	3.6578
10/1/1987	19	A	299	3.6701
10/6/1987	19	A	300	3.6823
10/11/1987	19	A	301	3.6946
10/18/1987	19	A	302	3.7069
10/21/1987	19	A	303	3.7192
10/25/1987	19	A	304	3.7314
11/24/1987	19	A	305	3.7437
8/14/1988	19	A	306	3.7560
9/21/1988	19	A	307	3.7683
9/29/1988	19	A	308	3.7805
8/31/1999	19	A	309	3.7928
8/5/2002	19	A	310	3.8051
7/24/2007	19	Ae	311	3.8174
8/31/2007	19	Ae	312	3.8296
9/1/2007	19	Ae	313	3.8419
9/2/2007	19	Ae	314	3.8542
9/3/2007	19	Ae	315	3.8665
9/10/2007	19	Ae	316	3.8787
9/20/2007	19	Ae	317	3.8910
9/22/2007	19	Ae	318	3.9033
9/23/2007	19	Ae	319	3.9156
10/24/2007	19	Ae	320	3.9278
8/20/2008	19	A	321	3.9401
9/13/2008	19	A	322	3.9524
10/6/2008	19	A	323	3.9646
10/10/2008	19	A	324	3.9769
10/14/2008	19	A	325	3.9892
7/29/2010	19	A	326	4.0015
7/30/2010	19	A	327	4.0137
8/6/2010	19	A	328	4.0260
8/18/2010	19	A	329	4.0383
10/13/2010	19	A	330	4.0506
11/3/2010	19	A	331	4.0628
11/24/2010	19	A	332	4.0751
11/27/2010	19	A	333	4.0874
12/8/2010	19	A	334	4.0997
7/10/1986	20	A	335	4.1119
7/11/1986	20	A	336	4.1242

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
7/24/1986	20	A	337	4.1365
7/26/1986	20	A	338	4.1488
7/29/1986	20	A	339	4.1610
7/30/1986	20	A	340	4.1733
8/5/1986	20	A	341	4.1856
8/10/1986	20	A	342	4.1979
8/15/1986	20	A	343	4.2101
8/17/1986	20	A	344	4.2224
10/22/1986	20	A	345	4.2347
8/24/1987	20	A	346	4.2470
8/25/1987	20	A	347	4.2592
8/30/1987	20	A	348	4.2715
9/1/1987	20	A	349	4.2838
9/30/1987	20	A	350	4.2961
10/8/1987	20	A	351	4.3083
11/9/1987	20	A	352	4.3206
11/25/1987	20	A	353	4.3329
8/13/1988	20	A	354	4.3452
8/23/1988	20	A	355	4.3574
9/18/1988	20	A	356	4.3697
9/20/1988	20	A	357	4.3820
10/6/1993	20	A	358	4.3943
9/11/1995	20	A	359	4.4065
9/12/1995	20	A	360	4.4188
9/15/1995	20	A	361	4.4311
10/7/1997	20	A	362	4.4434
10/8/1997	20	A	363	4.4556
10/11/1997	20	A	364	4.4679
8/20/1999	20	A	365	4.4802
6/27/2002	20	A	366	4.4925
6/28/2002	20	A	367	4.5047
6/29/2002	20	A	368	4.5170
6/30/2002	20	A	369	4.5293
7/1/2002	20	A	370	4.5415
7/2/2002	20	A	371	4.5538
8/31/2002	20	A	372	4.5661
7/23/2007	20	Ae	373	4.5784
7/26/2007	20	Ae	374	4.5906
8/4/2007	20	Ae	375	4.6029
8/9/2007	20	Ae	376	4.6152
8/12/2007	20	Ae	377	4.6275
8/15/2007	20	Ae	378	4.6397
8/30/2007	20	Ae	379	4.6520
9/11/2007	20	Ae	380	4.6643
9/13/2007	20	Ae	381	4.6766
9/14/2007	20	Ae	382	4.6888
9/19/2007	20	Ae	383	4.7011
10/10/2007	20	Ae	384	4.7134
9/12/2008	20	A	385	4.7257
10/5/2008	20	A	386	4.7379
10/9/2008	20	A	387	4.7502
10/15/2008	20	A	388	4.7625
10/16/2008	20	A	389	4.7748
10/23/2008	20	A	390	4.7870
8/13/2010	20	A	391	4.7993
10/12/2010	20	A	392	4.8116

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
11/25/2010	20	A	393	4.8239
12/6/2010	20	A	394	4.8361
12/7/2010	20	A	395	4.8484
12/10/2010	20	A	396	4.8607
7/9/1986	21	A	397	4.8730
7/16/1986	21	A	398	4.8852
7/23/1986	21	A	399	4.8975
7/27/1986	21	A	400	4.9098
7/28/1986	21	A	401	4.9221
8/14/1986	21	A	402	4.9343
8/25/1986	21	A	403	4.9466
8/26/1986	21	A	404	4.9589
9/4/1986	21	A	405	4.9712
9/10/1986	21	A	406	4.9834
9/11/1986	21	A	407	4.9957
9/12/1986	21	A	408	5.0080
9/27/1986	21	A	409	5.0203
10/17/1986	21	A	410	5.0325
10/18/1986	21	A	411	5.0448
10/23/1986	21	A	412	5.0571
10/24/1986	21	A	413	5.0694
10/25/1986	21	A	414	5.0816
11/4/1986	21	A	415	5.0939
11/14/1986	21	A	416	5.1062
11/15/1986	21	A	417	5.1184
11/16/1986	21	A	418	5.1307
11/17/1986	21	A	419	5.1430
12/1/1986	21	A	420	5.1553
9/17/1987	21	A	421	5.1675
9/18/1987	21	A	422	5.1798
9/19/1987	21	A	423	5.1921
9/20/1987	21	A	424	5.2044
9/21/1987	21	A	425	5.2166
9/22/1987	21	A	426	5.2289
9/23/1987	21	A	427	5.2412
10/3/1987	21	A	428	5.2535
10/5/1987	21	A	429	5.2657
11/15/1987	21	A	430	5.2780
11/16/1987	21	A	431	5.2903
11/17/1987	21	A	432	5.3026
11/21/1987	21	A	433	5.3148
11/26/1987	21	A	434	5.3271
11/27/1987	21	A	435	5.3394
11/28/1987	21	A	436	5.3517
8/28/1988	21	A	437	5.3639
9/7/1988	21	A	438	5.3762
9/8/1988	21	A	439	5.3885
9/9/1988	21	A	440	5.4008
9/15/1988	21	A	441	5.4130
9/19/1988	21	A	442	5.4253
9/28/1988	21	A	443	5.4376
10/7/1993	21	A	444	5.4499
9/13/1995	21	A	445	5.4621
9/14/1995	21	A	446	5.4744
9/23/1997	21	A	447	5.4867
9/24/1997	21	A	448	5.4990

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
10/6/1997	21	A	449	5.5112
10/10/1997	21	A	450	5.5235
10/12/1997	21	A	451	5.5358
10/14/1997	21	A	452	5.5481
9/21/1998	21	A	453	5.5603
8/1/1999	21	A	454	5.5726
8/3/1999	21	A	455	5.5849
8/4/1999	21	A	456	5.5972
8/19/1999	21	A	457	5.6094
6/26/2002	21	A	458	5.6217
7/24/2002	21	A	459	5.6340
7/22/2007	21	Ae	460	5.6463
7/25/2007	21	Ae	461	5.6585
7/27/2007	21	Ae	462	5.6708
8/5/2007	21	Ae	463	5.6831
8/8/2007	21	Ae	464	5.6953
8/10/2007	21	Ae	465	5.7076
8/11/2007	21	Ae	466	5.7199
8/29/2007	21	Ae	467	5.7322
8/19/2008	21	A	468	5.7444
9/11/2008	21	A	469	5.7567
7/20/2010	21	A	470	5.7690
10/11/2010	21	A	471	5.7813
10/18/2010	21	A	472	5.7935
10/19/2010	21	A	473	5.8058
10/29/2010	21	A	474	5.8181
11/10/2010	21	A	475	5.8304
11/11/2010	21	A	476	5.8426
11/12/2010	21	A	477	5.8549
11/26/2010	21	A	478	5.8672
12/11/2010	21	A	479	5.8795
12/22/2010	21	A	480	5.8917
12/23/2010	21	A	481	5.9040
12/24/2010	21	A	482	5.9163
12/25/2010	21	A	483	5.9286
7/15/1986	22	A	484	5.9408
8/13/1986	22	A	485	5.9531
8/19/1986	22	A	486	5.9654
9/1/1986	22	A	487	5.9777
9/5/1986	22	A	488	5.9899
11/18/1986	22	A	489	6.0022
11/20/1986	22	A	490	6.0145
8/26/1987	22	A	491	6.0268
11/20/1987	22	A	492	6.0390
8/22/1988	22	A	493	6.0513
9/27/1988	22	A	494	6.0636
10/4/1993	22	A	495	6.0759
10/5/1993	22	A	496	6.0881
9/10/1995	22	A	497	6.1004
9/16/1995	22	A	498	6.1127
9/17/1997	22	A	499	6.1250
9/18/1997	22	A	500	6.1372
9/25/1997	22	A	501	6.1495
9/26/1997	22	A	502	6.1618
9/27/1997	22	A	503	6.1741
10/2/1997	22	A	504	6.1863

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
10/3/1997	22	A	505	6.1986
10/4/1997	22	A	506	6.2109
10/5/1997	22	A	507	6.2231
10/9/1997	22	A	508	6.2354
10/13/1997	22	A	509	6.2477
7/25/1999	22	A	510	6.2600
7/29/1999	22	A	511	6.2722
7/31/1999	22	A	512	6.2845
8/23/1999	22	A	513	6.2968
8/24/1999	22	A	514	6.3091
8/29/1999	22	A	515	6.3213
9/2/1999	22	A	516	6.3336
6/23/2002	22	A	517	6.3459
6/24/2002	22	A	518	6.3582
6/25/2002	22	A	519	6.3704
7/27/2002	22	A	520	6.3827
7/21/2007	22	Ae	521	6.3950
7/28/2007	22	Ae	522	6.4073
8/3/2007	22	Ae	523	6.4195
8/6/2007	22	Ae	524	6.4318
8/7/2007	22	Ae	525	6.4441
8/13/2007	22	Ae	526	6.4564
8/28/2007	22	Ae	527	6.4686
9/12/2007	22	Ae	528	6.4809
9/18/2007	22	Ae	529	6.4932
10/11/2007	22	Ae	530	6.5055
11/4/2007	22	Ae	531	6.5177
11/5/2007	22	Ae	532	6.5300
11/9/2007	22	Ae	533	6.5423
11/10/2007	22	Ae	534	6.5546
11/11/2007	22	Ae	535	6.5668
11/12/2007	22	Ae	536	6.5791
11/13/2007	22	Ae	537	6.5914
11/14/2007	22	Ae	538	6.6037
10/4/2008	22	A	539	6.6159
10/26/2010	22	A	540	6.6282
11/9/2010	22	A	541	6.6405
11/13/2010	22	A	542	6.6528
11/14/2010	22	A	543	6.6650
11/15/2010	22	A	544	6.6773
11/21/2010	22	A	545	6.6896
11/22/2010	22	A	546	6.7019
11/23/2010	22	A	547	6.7141
12/4/2010	22	A	548	6.7264
12/5/2010	22	A	549	6.7387
12/18/2010	22	A	550	6.7510
12/19/2010	22	A	551	6.7632
12/20/2010	22	A	552	6.7755
12/21/2010	22	A	553	6.7878
12/30/2010	22	A	554	6.8000
7/7/1986	23	A	555	6.8123
7/8/1986	23	A	556	6.8246
7/22/1986	23	A	557	6.8369
8/9/1986	23	A	558	6.8491
8/24/1986	23	A	559	6.8614
9/2/1986	23	A	560	6.8737

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
9/3/1986	23	A	561	6.8860
9/9/1986	23	A	562	6.8982
11/3/1986	23	A	563	6.9105
11/30/1986	23	A	564	6.9228
8/21/1987	23	A	565	6.9351
8/22/1987	23	A	566	6.9473
8/27/1987	23	A	567	6.9596
8/29/1987	23	A	568	6.9719
9/11/1987	23	A	569	6.9842
11/3/1987	23	A	570	6.9964
11/5/1987	23	A	571	7.0087
11/19/1987	23	A	572	7.0210
8/12/1988	23	A	573	7.0333
8/27/1988	23	A	574	7.0455
9/3/1988	23	A	575	7.0578
9/6/1988	23	A	576	7.0701
9/13/1988	23	A	577	7.0824
10/2/1993	23	A	578	7.0946
10/3/1993	23	A	579	7.1069
10/8/1993	23	A	580	7.1192
10/11/1993	23	A	581	7.1315
8/28/1997	23	A	582	7.1437
9/8/1997	23	A	583	7.1560
9/13/1997	23	A	584	7.1683
9/14/1997	23	A	585	7.1806
9/15/1997	23	A	586	7.1928
9/16/1997	23	A	587	7.2051
9/22/1997	23	A	588	7.2174
10/1/1997	23	A	589	7.2297
10/26/1998	23	A	590	7.2419
12/7/1998	23	A	591	7.2542
7/26/1999	23	A	592	7.2665
7/30/1999	23	A	593	7.2788
7/19/2007	23	Ae	594	7.2910
7/20/2007	23	Ae	595	7.3033
8/27/2007	23	Ae	596	7.3156
10/30/2007	23	Ae	597	7.3279
11/2/2007	23	Ae	598	7.3401
11/3/2007	23	Ae	599	7.3524
11/8/2007	23	Ae	600	7.3647
11/18/2007	23	Ae	601	7.3769
11/19/2007	23	Ae	602	7.3892
11/20/2007	23	Ae	603	7.4015
11/21/2007	23	Ae	604	7.4138
11/22/2007	23	Ae	605	7.4260
11/28/2007	23	Ae	606	7.4383
11/29/2007	23	Ae	607	7.4506
11/30/2007	23	Ae	608	7.4629
12/1/2007	23	Ae	609	7.4751
8/18/2008	23	A	610	7.4874
9/8/2008	23	A	611	7.4997
9/9/2008	23	A	612	7.5120
9/10/2008	23	A	613	7.5242
10/10/2010	23	A	614	7.5365
10/17/2010	23	A	615	7.5488
10/25/2010	23	A	616	7.5611

Millsboro Q Frequencies	Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
	10/27/2010	23	A	617	7.5733
	10/28/2010	23	A	618	7.5856
	11/8/2010	23	A	619	7.5979
	11/16/2010	23	A	620	7.6102
	11/20/2010	23	A	621	7.6224
	12/15/2010	23	A	622	7.6347
	12/29/2010	23	A	623	7.6470
	12/31/2010	23	A	624	7.6593
	7/1/1986	24	A	625	7.6715
	7/6/1986	24	A	626	7.6838
	7/12/1986	24	A	627	7.6961
	7/19/1986	24	A	628	7.7084
	7/20/1986	24	A	629	7.7206
	7/21/1986	24	A	630	7.7329
	8/4/1986	24	A	631	7.7452
	8/20/1986	24	A	632	7.7575
	8/27/1986	24	A	633	7.7697
	8/31/1986	24	A	634	7.7820
	9/8/1986	24	A	635	7.7943
	10/16/1986	24	A	636	7.8066
	10/31/1986	24	A	637	7.8188
	11/1/1986	24	A	638	7.8311
	11/2/1986	24	A	639	7.8434
	11/10/1986	24	A	640	7.8557
	11/22/1986	24	A	641	7.8679
	11/23/1986	24	A	642	7.8802
	11/25/1986	24	A	643	7.8925
	11/26/1986	24	A	644	7.9048
	8/23/1987	24	A	645	7.9170
	8/28/1987	24	A	646	7.9293
	9/16/1987	24	A	647	7.9416
	11/1/1987	24	A	648	7.9538
	11/2/1987	24	A	649	7.9661
	11/4/1987	24	A	650	7.9784
	11/14/1987	24	A	651	7.9907
	12/6/1987	24	A	652	8.0029
	12/7/1987	24	A	653	8.0152
	12/8/1987	24	A	654	8.0275
	12/9/1987	24	A	655	8.0398
	8/9/1988	24	A	656	8.0520
	8/10/1988	24	A	657	8.0643
	8/11/1988	24	A	658	8.0766
	8/20/1988	24	A	659	8.0889
	9/4/1988	24	A	660	8.1011
	9/12/1988	24	A	661	8.1134
	10/1/1993	24	A	662	8.1257
	10/25/1993	24	A	663	8.1380
	9/5/1995	24	A	664	8.1502
	9/6/1995	24	A	665	8.1625
	8/27/1997	24	A	666	8.1748
	8/29/1997	24	A	667	8.1871
	8/30/1997	24	A	668	8.1993
	9/19/1997	24	A	669	8.2116
	9/30/1997	24	A	670	8.2239
	9/14/1998	24	A	671	8.2362
	9/28/1998	24	A	672	8.2484

Millsboro Q Frequencies	Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
	10/23/1998	24	A	673	8.2607
	11/24/1998	24	A	674	8.2730
	11/25/1998	24	A	675	8.2853
	11/30/1998	24	A	676	8.2975
	7/24/1999	24	A	677	8.3098
	7/27/1999	24	A	678	8.3221
	8/25/1999	24	A	679	8.3344
	10/26/2001	24	A	680	8.3466
	10/27/2001	24	A	681	8.3589
	7/18/2007	24	Ae	682	8.3712
	8/2/2007	24	Ae	683	8.3835
	8/26/2007	24	Ae	684	8.3957
	9/17/2007	24	Ae	685	8.4080
	10/28/2007	24	Ae	686	8.4203
	10/29/2007	24	Ae	687	8.4326
	11/1/2007	24	Ae	688	8.4448
	11/7/2007	24	Ae	689	8.4571
	11/15/2007	24	Ae	690	8.4694
	11/17/2007	24	Ae	691	8.4816
	11/23/2007	24	Ae	692	8.4939
	11/24/2007	24	Ae	693	8.5062
	11/25/2007	24	Ae	694	8.5185
	11/26/2007	24	Ae	695	8.5307
	11/27/2007	24	Ae	696	8.5430
	12/2/2007	24	Ae	697	8.5553
	10/24/2008	24	A	698	8.5676
	7/7/2010	24	A	699	8.5798
	7/19/2010	24	A	700	8.5921
	10/9/2010	24	A	701	8.6044
	10/23/2010	24	A	702	8.6167
	10/24/2010	24	A	703	8.6289
	11/7/2010	24	A	704	8.6412
	11/19/2010	24	A	705	8.6535
	12/17/2010	24	A	706	8.6658
	1/10/2011	24	A	707	8.6780
	1/14/2011	24	A	708	8.6903
	1/15/2011	24	A	709	8.7026
	1/16/2011	24	A	710	8.7149
	6/19/1986	25	A	711	8.7271
	7/18/1986	25	A	712	8.7394
	11/9/1986	25	A	713	8.7517
	11/13/1986	25	A	714	8.7640
	11/19/1986	25	A	715	8.7762
	8/20/1987	25	A	716	8.7885
	9/15/1987	25	A	717	8.8008
	10/7/1987	25	A	718	8.8131
	11/18/1987	25	A	719	8.8253
	8/6/1988	25	A	720	8.8376
	8/8/1988	25	A	721	8.8499
	9/26/1988	25	A	722	8.8622
	9/13/1993	25	A	723	8.8744
	9/14/1993	25	A	724	8.8867
	10/15/1993	25	A	725	8.8990
	10/16/1993	25	A	726	8.9113
	10/17/1993	25	A	727	8.9235
	10/19/1993	25	A	728	8.9358

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
10/24/1993	25	A	729	8.9481
10/26/1993	25	A	730	8.9604
9/3/1995	25	A	731	8.9726
9/4/1995	25	A	732	8.9849
9/7/1995	25	A	733	8.9972
9/8/1995	25	A	734	9.0095
9/9/1995	25	A	735	9.0217
8/2/1997	25	A	736	9.0340
8/17/1997	25	A	737	9.0463
8/19/1997	25	A	738	9.0585
8/25/1997	25	A	739	9.0708
8/26/1997	25	A	740	9.0831
8/31/1997	25	A	741	9.0954
9/7/1997	25	A	742	9.1076
9/9/1997	25	A	743	9.1199
9/11/1997	25	A	744	9.1322
9/12/1997	25	A	745	9.1445
9/20/1997	25	A	746	9.1567
10/17/1997	25	A	747	9.1690
10/23/1997	25	A	748	9.1813
10/24/1997	25	A	749	9.1936
9/22/1998	25	A	750	9.2058
10/3/1998	25	A	751	9.2181
10/24/1998	25	A	752	9.2304
10/25/1998	25	A	753	9.2427
11/1/1998	25	A	754	9.2549
11/2/1998	25	A	755	9.2672
11/19/1998	25	A	756	9.2795
11/22/1998	25	A	757	9.2918
11/23/1998	25	A	758	9.3040
11/29/1998	25	A	759	9.3163
12/5/1998	25	A	760	9.3286
12/6/1998	25	A	761	9.3409
7/12/1999	25	A	762	9.3531
7/28/1999	25	A	763	9.3654
8/22/1999	25	A	764	9.3777
9/6/1999	25	A	765	9.3900
9/13/1999	25	A	766	9.4022
6/12/2002	25	A	767	9.4145
7/17/2007	25	Ae	768	9.4268
12/3/2007	25	Ae	769	9.4391
8/12/2008	25	A	770	9.4513
8/13/2008	25	A	771	9.4636
8/14/2008	25	A	772	9.4759
8/17/2008	25	A	773	9.4882
9/30/2008	25	A	774	9.5004
10/3/2008	25	A	775	9.5127
10/31/2008	25	A	776	9.5250
11/1/2008	25	A	777	9.5373
7/6/2010	25	A	778	9.5495
7/8/2010	25	A	779	9.5618
7/18/2010	25	A	780	9.5741
10/8/2010	25	A	781	9.5864
10/14/2010	25	A	782	9.5986
10/16/2010	25	A	783	9.6109
12/3/2010	25	A	784	9.6232

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
12/16/2010	25	A	785	9.6354
12/28/2010	25	A	786	9.6477
1/1/2011	25	A	787	9.6600
1/9/2011	25	A	788	9.6723
1/11/2011	25	A	789	9.6845
1/17/2011	25	A	790	9.6968
6/30/1986	26	A	791	9.7091
7/5/1986	26	A	792	9.7214
7/14/1986	26	A	793	9.7336
7/17/1986	26	A	794	9.7459
8/30/1986	26	A	795	9.7582
9/7/1986	26	A	796	9.7705
10/30/1986	26	A	797	9.7827
11/5/1986	26	A	798	9.7950
11/8/1986	26	A	799	9.8073
11/24/1986	26	A	800	9.8196
11/29/1986	26	A	801	9.8318
9/12/1987	26	A	802	9.8441
11/13/1987	26	A	803	9.8564
12/10/1987	26	A	804	9.8687
8/2/1988	26	A	805	9.8809
8/3/1988	26	A	806	9.8932
8/4/1988	26	A	807	9.9055
8/5/1988	26	A	808	9.9178
8/7/1988	26	A	809	9.9300
8/26/1988	26	A	810	9.9423
9/2/1988	26	A	811	9.9546
9/14/1988	26	A	812	9.9669
10/9/1993	26	A	813	9.9791
10/10/1993	26	A	814	9.9914
10/14/1993	26	A	815	10.0037
10/18/1993	26	A	816	10.0160
8/13/1997	26	A	817	10.0282
8/16/1997	26	A	818	10.0405
9/21/1997	26	A	819	10.0528
10/15/1997	26	A	820	10.0651
10/16/1997	26	A	821	10.0773
9/20/1998	26	A	822	10.0896
10/22/1998	26	A	823	10.1019
11/9/1998	26	A	824	10.1142
11/20/1998	26	A	825	10.1264
7/9/1999	26	A	826	10.1387
7/10/1999	26	A	827	10.1510
7/11/1999	26	A	828	10.1633
7/19/1999	26	A	829	10.1755
7/21/1999	26	A	830	10.1878
8/18/1999	26	A	831	10.2001
9/5/1999	26	A	832	10.2123
10/28/2001	26	A	833	10.2246
6/13/2002	26	A	834	10.2369
7/9/2007	26	Ae	835	10.2492
7/15/2007	26	Ae	836	10.2614
7/16/2007	26	Ae	837	10.2737
8/25/2007	26	Ae	838	10.2860
9/16/2007	26	Ae	839	10.2983
10/27/2007	26	Ae	840	10.3105

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
10/31/2007	26	Ae	841	10.3228
11/6/2007	26	Ae	842	10.3351
11/16/2007	26	Ae	843	10.3474
12/6/2007	26	Ae	844	10.3596
12/7/2007	26	Ae	845	10.3719
12/13/2007	26	Ae	846	10.3842
12/14/2007	26	Ae	847	10.3965
12/15/2007	26	Ae	848	10.4087
12/20/2007	26	Ae	849	10.4210
12/21/2007	26	Ae	850	10.4333
12/22/2007	26	Ae	851	10.4456
12/23/2007	26	Ae	852	10.4578
12/26/2007	26	Ae	853	10.4701
12/29/2007	26	Ae	854	10.4824
8/9/2008	26	A	855	10.4947
10/30/2008	26	A	856	10.5069
11/2/2008	26	A	857	10.5192
11/3/2008	26	A	858	10.5315
7/9/2010	26	A	859	10.5438
11/18/2010	26	A	860	10.5560
1/5/2011	26	A	861	10.5683
1/6/2011	26	A	862	10.5806
1/7/2011	26	A	863	10.5929
1/13/2011	26	A	864	10.6051
6/18/1986	27	A	865	10.6174
7/2/1986	27	A	866	10.6297
7/4/1986	27	A	867	10.6420
11/7/1986	27	A	868	10.6542
11/27/1986	27	A	869	10.6665
11/28/1986	27	A	870	10.6788
7/30/1987	27	A	871	10.6911
8/4/1987	27	A	872	10.7033
8/12/1987	27	A	873	10.7156
8/13/1987	27	A	874	10.7279
8/14/1987	27	A	875	10.7401
8/15/1987	27	A	876	10.7524
8/16/1987	27	A	877	10.7647
8/17/1987	27	A	878	10.7770
8/18/1987	27	A	879	10.7892
8/19/1987	27	A	880	10.8015
9/10/1987	27	A	881	10.8138
10/31/1987	27	A	882	10.8261
12/5/1987	27	A	883	10.8383
7/3/1988	27	A	884	10.8506
7/7/1988	27	A	885	10.8629
7/21/1988	27	A	886	10.8752
8/1/1988	27	A	887	10.8874
9/5/1988	27	A	888	10.8997
9/3/1993	27	A	889	10.9120
9/15/1993	27	A	890	10.9243
10/20/1993	27	A	891	10.9365
9/1/1995	27	A	892	10.9488
9/2/1995	27	A	893	10.9611
8/1/1997	27	A	894	10.9734
8/10/1997	27	A	895	10.9856
8/18/1997	27	A	896	10.9979

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
8/24/1997	27	A	897	11.0102
9/10/1997	27	A	898	11.0225
9/28/1997	27	A	899	11.0347
9/29/1997	27	A	900	11.0470
10/31/1997	27	A	901	11.0593
9/23/1998	27	A	902	11.0716
9/24/1998	27	A	903	11.0838
9/25/1998	27	A	904	11.0961
9/27/1998	27	A	905	11.1084
9/29/1998	27	A	906	11.1207
10/4/1998	27	A	907	11.1329
10/21/1998	27	A	908	11.1452
10/27/1998	27	A	909	11.1575
12/1/1998	27	A	910	11.1698
1/2/1999	27	Ae	911	11.1820
7/18/1999	27	A	912	11.1943
8/14/1999	27	A	913	11.2066
8/28/1999	27	A	914	11.2189
9/4/1999	27	A	915	11.2311
9/7/1999	27	A	916	11.2434
10/25/2001	27	A	917	11.2557
2/28/2002	27	A	918	11.2680
6/22/2002	27	A	919	11.2802
8/30/2002	27	A	920	11.2925
7/10/2007	27	Ae	921	11.3048
7/14/2007	27	Ae	922	11.3170
12/4/2007	27	Ae	923	11.3293
12/5/2007	27	Ae	924	11.3416
12/8/2007	27	Ae	925	11.3539
12/12/2007	27	Ae	926	11.3661
12/19/2007	27	Ae	927	11.3784
12/25/2007	27	Ae	928	11.3907
12/28/2007	27	Ae	929	11.4030
1/6/2008	27	Ae	930	11.4152
1/7/2008	27	Ae	931	11.4275
1/8/2008	27	Ae	932	11.4398
1/9/2008	27	Ae	933	11.4521
10/27/2008	27	A	934	11.4643
10/29/2008	27	A	935	11.4766
7/17/2010	27	A	936	11.4889
9/30/2010	27	A	937	11.5012
11/6/2010	27	A	938	11.5134
12/1/2010	27	A	939	11.5257
1/8/2011	27	A	940	11.5380
6/20/1986	28	A	941	11.5503
6/23/1986	28	A	942	11.5625
6/27/1986	28	A	943	11.5748
6/28/1986	28	A	944	11.5871
10/28/1986	28	A	945	11.5994
11/11/1986	28	A	946	11.6116
8/3/1987	28	A	947	11.6239
8/11/1987	28	A	948	11.6362
12/14/1987	28	A	949	11.6485
12/18/1987	28	A	950	11.6607
12/19/1987	28	A	951	11.6730
12/22/1987	28	A	952	11.6853

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
7/6/1988	28	A	953	11.6976
7/17/1988	28	A	954	11.7098
7/19/1988	28	A	955	11.7221
7/20/1988	28	A	956	11.7344
8/21/1988	28	A	957	11.7467
9/11/1988	28	A	958	11.7589
9/25/1988	28	A	959	11.7712
9/4/1993	28	A	960	11.7835
9/8/1993	28	A	961	11.7958
9/9/1993	28	A	962	11.8080
9/12/1993	28	A	963	11.8203
9/16/1993	28	A	964	11.8326
9/17/1993	28	A	965	11.8449
10/23/1993	28	A	966	11.8571
8/25/1995	28	A	967	11.8694
8/27/1995	28	A	968	11.8817
8/28/1995	28	A	969	11.8939
10/3/1995	28	A	970	11.9062
10/13/1995	28	A	971	11.9185
8/3/1997	28	A	972	11.9308
8/4/1997	28	A	973	11.9430
8/11/1997	28	A	974	11.9553
8/12/1997	28	A	975	11.9676
9/5/1997	28	A	976	11.9799
9/6/1997	28	A	977	11.9921
10/22/1997	28	A	978	12.0044
10/29/1997	28	A	979	12.0167
10/30/1997	28	A	980	12.0290
11/5/1997	28	A	981	12.0412
8/25/1998	28	A	982	12.0535
9/7/1998	28	A	983	12.0658
9/15/1998	28	A	984	12.0781
9/16/1998	28	A	985	12.0903
10/7/1998	28	A	986	12.1026
10/29/1998	28	A	987	12.1149
11/3/1998	28	A	988	12.1272
11/16/1998	28	A	989	12.1394
12/8/1998	28	A	990	12.1517
12/21/1998	28	A	991	12.1640
12/27/1998	28	A	992	12.1763
7/17/1999	28	A	993	12.1885
7/20/1999	28	A	994	12.2008
7/23/1999	28	A	995	12.2131
8/17/1999	28	A	996	12.2254
8/21/1999	28	A	997	12.2376
8/26/1999	28	A	998	12.2499
8/27/1999	28	A	999	12.2622
9/3/1999	28	A	1000	12.2745
9/12/1999	28	A	1001	12.2867
9/14/1999	28	A	1002	12.2990
10/18/2001	28	A	1003	12.3113
10/19/2001	28	A	1004	12.3236
10/20/2001	28	A	1005	12.3358
10/21/2001	28	A	1006	12.3481
10/22/2001	28	A	1007	12.3604
10/23/2001	28	A	1008	12.3727

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
10/24/2001	28	A	1009	12.3849
10/29/2001	28	A	1010	12.3972
3/1/2002	28	A	1011	12.4095
3/2/2002	28	A	1012	12.4218
3/12/2002	28	A	1013	12.4340
6/14/2002	28	A	1014	12.4463
6/20/2002	28	A	1015	12.4586
6/21/2002	28	A	1016	12.4708
10/2/2005	28	A	1017	12.4831
10/3/2005	28	A	1018	12.4954
7/8/2007	28	Ae	1019	12.5077
7/13/2007	28	Ae	1020	12.5199
8/1/2007	28	Ae	1021	12.5322
10/26/2007	28	Ae	1022	12.5445
12/9/2007	28	Ae	1023	12.5568
12/10/2007	28	Ae	1024	12.5690
12/11/2007	28	Ae	1025	12.5813
12/16/2007	28	Ae	1026	12.5936
12/18/2007	28	Ae	1027	12.6059
12/27/2007	28	Ae	1028	12.6181
1/3/2008	28	Ae	1029	12.6304
1/4/2008	28	Ae	1030	12.6427
1/5/2008	28	Ae	1031	12.6550
1/10/2008	28	Ae	1032	12.6672
1/12/2008	28	Ae	1033	12.6795
1/13/2008	28	Ae	1034	12.6918
1/15/2008	28	Ae	1035	12.7041
1/27/2008	28	Ae	1036	12.7163
1/31/2008	28	Ae	1037	12.7286
8/7/2008	28	A	1038	12.7409
8/8/2008	28	A	1039	12.7532
8/11/2008	28	A	1040	12.7654
7/12/2010	28	A	1041	12.7777
10/7/2010	28	A	1042	12.7900
10/22/2010	28	A	1043	12.8023
12/2/2010	28	A	1044	12.8145
12/14/2010	28	A	1045	12.8268
12/26/2010	28	A	1046	12.8391
1/12/2011	28	A	1047	12.8514
6/22/1986	29	A	1048	12.8636
6/29/1986	29	A	1049	12.8759
8/8/1986	29	A	1050	12.8882
8/23/1986	29	A	1051	12.9005
7/29/1987	29	A	1052	12.9127
7/31/1987	29	A	1053	12.9250
8/2/1987	29	A	1054	12.9373
11/10/1987	29	A	1055	12.9496
12/3/1987	29	A	1056	12.9618
7/2/1988	29	A	1057	12.9741
7/4/1988	29	A	1058	12.9864
7/22/1988	29	A	1059	12.9986
7/31/1988	29	A	1060	13.0109
8/29/1988	29	A	1061	13.0232
10/13/1993	29	A	1062	13.0355
10/21/1993	29	A	1063	13.0477
8/24/1995	29	A	1064	13.0600

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
8/26/1995	29	A	1065	13.0723
8/31/1995	29	A	1066	13.0846
9/21/1995	29	A	1067	13.0968
10/2/1995	29	A	1068	13.1091
10/10/1995	29	A	1069	13.1214
7/29/1997	29	A	1070	13.1337
8/9/1997	29	A	1071	13.1459
8/14/1997	29	A	1072	13.1582
8/15/1997	29	A	1073	13.1705
10/25/1997	29	A	1074	13.1828
8/17/1998	29	A	1075	13.1950
8/26/1998	29	A	1076	13.2073
9/12/1998	29	A	1077	13.2196
9/13/1998	29	A	1078	13.2319
9/17/1998	29	A	1079	13.2441
9/18/1998	29	A	1080	13.2564
9/26/1998	29	A	1081	13.2687
9/30/1998	29	A	1082	13.2810
10/6/1998	29	A	1083	13.2932
10/20/1998	29	A	1084	13.3055
10/30/1998	29	A	1085	13.3178
10/31/1998	29	A	1086	13.3301
11/4/1998	29	A	1087	13.3423
11/6/1998	29	A	1088	13.3546
11/10/1998	29	A	1089	13.3669
11/17/1998	29	A	1090	13.3792
11/21/1998	29	A	1091	13.3914
12/20/1998	29	A	1092	13.4037
12/23/1998	29	A	1093	13.4160
1/1/1999	29	Ae	1094	13.4283
7/6/1999	29	A	1095	13.4405
7/22/1999	29	A	1096	13.4528
10/30/2001	29	A	1097	13.4651
11/19/2001	29	A	1098	13.4774
2/5/2002	29	A	1099	13.4896
2/26/2002	29	A	1100	13.5019
3/8/2002	29	A	1101	13.5142
3/11/2002	29	A	1102	13.5265
10/4/2005	29	A	1103	13.5387
7/2/2007	29	A	1104	13.5510
7/3/2007	29	A	1105	13.5633
7/7/2007	29	Ae	1106	13.5755
8/24/2007	29	Ae	1107	13.5878
1/26/2008	29	Ae	1108	13.6001
8/15/2008	29	A	1109	13.6124
8/16/2008	29	A	1110	13.6246
7/16/2010	29	A	1111	13.6369
10/20/2010	29	A	1112	13.6492
11/17/2010	29	A	1113	13.6615
1/4/2011	29	A	1114	13.6737
1/24/2011	29	A	1115	13.6860
6/11/1986	30	A	1116	13.6983
6/26/1986	30	A	1117	13.7106
11/6/1986	30	A	1118	13.7228
11/12/1986	30	A	1119	13.7351
11/21/1986	30	A	1120	13.7474

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
10/4/1987	30	A	1121	13.7597
12/4/1987	30	A	1122	13.7719
12/20/1987	30	A	1123	13.7842
12/21/1987	30	A	1124	13.7965
12/24/1987	30	A	1125	13.8088
7/1/1988	30	A	1126	13.8210
7/5/1988	30	A	1127	13.8333
7/16/1988	30	A	1128	13.8456
9/1/1988	30	A	1129	13.8579
9/2/1993	30	A	1130	13.8701
8/23/1995	30	A	1131	13.8824
8/29/1995	30	A	1132	13.8947
10/11/1995	30	A	1133	13.9070
10/14/1995	30	A	1134	13.9192
8/23/1997	30	A	1135	13.9315
9/1/1997	30	A	1136	13.9438
10/28/1997	30	A	1137	13.9561
11/4/1997	30	A	1138	13.9683
9/11/1998	30	A	1139	13.9806
9/19/1998	30	A	1140	13.9929
10/2/1998	30	A	1141	14.0052
10/28/1998	30	A	1142	14.0174
11/7/1998	30	A	1143	14.0297
11/28/1998	30	A	1144	14.0420
12/12/1998	30	A	1145	14.0543
12/31/1998	30	Ae	1146	14.0665
1/18/1999	30	Ae	1147	14.0788
6/7/1999	30	A	1148	14.0911
7/8/1999	30	A	1149	14.1034
9/8/1999	30	A	1150	14.1156
2/6/2002	30	A	1151	14.1279
2/27/2002	30	A	1152	14.1402
3/9/2002	30	A	1153	14.1524
6/11/2002	30	A	1154	14.1647
7/29/2002	30	A	1155	14.1770
10/1/2005	30	A	1156	14.1893
7/6/2007	30	Ae	1157	14.2015
12/24/2007	30	Ae	1158	14.2138
12/30/2007	30	Ae	1159	14.2261
1/2/2008	30	Ae	1160	14.2384
1/11/2008	30	Ae	1161	14.2506
1/14/2008	30	Ae	1162	14.2629
1/16/2008	30	Ae	1163	14.2752
1/22/2008	30	Ae	1164	14.2875
1/25/2008	30	Ae	1165	14.2997
1/28/2008	30	Ae	1166	14.3120
1/30/2008	30	Ae	1167	14.3243
10/1/2008	30	A	1168	14.3366
10/2/2008	30	A	1169	14.3488
7/2/2010	30	A	1170	14.3611
7/3/2010	30	A	1171	14.3734
10/15/2010	30	A	1172	14.3857
12/27/2010	30	A	1173	14.3979
6/3/1986	31	A	1174	14.4102
6/10/1986	31	A	1175	14.4225
7/13/1986	31	A	1176	14.4348

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
10/14/1986	31	A	1177	14.4470
10/15/1986	31	A	1178	14.4593
10/26/1986	31	A	1179	14.4716
10/29/1986	31	A	1180	14.4839
12/14/1986	31	A	1181	14.4961
12/15/1986	31	A	1182	14.5084
7/28/1987	31	A	1183	14.5207
8/10/1987	31	A	1184	14.5330
9/8/1987	31	A	1185	14.5452
9/14/1987	31	A	1186	14.5575
10/30/1987	31	A	1187	14.5698
11/12/1987	31	A	1188	14.5821
12/13/1987	31	A	1189	14.5943
12/23/1987	31	A	1190	14.6066
6/30/1988	31	A	1191	14.6189
7/18/1988	31	A	1192	14.6312
7/30/1988	31	A	1193	14.6434
9/10/1988	31	A	1194	14.6557
7/18/1992	31	A	1195	14.6680
7/19/1992	31	A	1196	14.6803
8/28/1993	31	A	1197	14.6925
8/29/1993	31	A	1198	14.7048
8/30/1993	31	A	1199	14.7171
11/11/1993	31	A	1200	14.7293
11/12/1993	31	A	1201	14.7416
11/13/1993	31	A	1202	14.7539
11/14/1993	31	A	1203	14.7662
11/15/1993	31	A	1204	14.7784
11/16/1993	31	A	1205	14.7907
9/13/1994	31	A	1206	14.8030
8/30/1995	31	A	1207	14.8153
9/30/1995	31	A	1208	14.8275
10/1/1995	31	A	1209	14.8398
10/9/1995	31	A	1210	14.8521
10/12/1995	31	A	1211	14.8644
10/19/1995	31	A	1212	14.8766
10/30/1995	31	A	1213	14.8889
11/1/1995	31	A	1214	14.9012
11/5/1995	31	A	1215	14.9135
11/6/1995	31	A	1216	14.9257
10/26/1997	31	A	1217	14.9380
8/3/1998	31	A	1218	14.9503
8/14/1998	31	A	1219	14.9626
8/15/1998	31	A	1220	14.9748
8/16/1998	31	A	1221	14.9871
8/24/1998	31	A	1222	14.9994
9/6/1998	31	A	1223	15.0117
10/5/1998	31	A	1224	15.0239
10/8/1998	31	A	1225	15.0362
11/8/1998	31	A	1226	15.0485
11/18/1998	31	A	1227	15.0608
12/25/1998	31	A	1228	15.0730
12/26/1998	31	A	1229	15.0853
12/28/1998	31	A	1230	15.0976
7/5/1999	31	A	1231	15.1099
7/7/1999	31	A	1232	15.1221

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
9/11/1999	31	A	1233	15.1344
10/14/2001	31	A	1234	15.1467
10/17/2001	31	A	1235	15.1590
10/31/2001	31	A	1236	15.1712
11/3/2001	31	A	1237	15.1835
11/4/2001	31	A	1238	15.1958
11/5/2001	31	A	1239	15.2081
11/6/2001	31	A	1240	15.2203
11/7/2001	31	A	1241	15.2326
11/8/2001	31	A	1242	15.2449
11/9/2001	31	A	1243	15.2571
11/10/2001	31	A	1244	15.2694
11/14/2001	31	A	1245	15.2817
11/15/2001	31	A	1246	15.2940
11/16/2001	31	A	1247	15.3062
11/17/2001	31	A	1248	15.3185
11/18/2001	31	A	1249	15.3308
1/30/2002	31	A	1250	15.3431
1/31/2002	31	A	1251	15.3553
2/15/2002	31	A	1252	15.3676
2/19/2002	31	A	1253	15.3799
2/20/2002	31	A	1254	15.3922
2/22/2002	31	A	1255	15.4044
2/25/2002	31	A	1256	15.4167
9/29/2005	31	A	1257	15.4290
9/30/2005	31	A	1258	15.4413
10/5/2005	31	A	1259	15.4535
6/24/2007	31	A	1260	15.4658
7/5/2007	31	Ae	1261	15.4781
8/23/2007	31	Ae	1262	15.4904
9/15/2007	31	Ae	1263	15.5026
1/21/2008	31	Ae	1264	15.5149
8/10/2008	31	A	1265	15.5272
9/25/2008	31	A	1266	15.5395
10/25/2008	31	A	1267	15.5517
10/28/2008	31	A	1268	15.5640
7/4/2010	31	A	1269	15.5763
7/15/2010	31	A	1270	15.5886
1/25/2011	31	A	1271	15.6008
6/4/1986	32	A	1272	15.6131
6/17/1986	32	A	1273	15.6254
10/27/1986	32	A	1274	15.6377
12/2/1986	32	A	1275	15.6499
12/16/1986	32	A	1276	15.6622
7/27/1987	32	A	1277	15.6745
8/1/1987	32	A	1278	15.6868
9/13/1987	32	A	1279	15.6990
10/27/1987	32	A	1280	15.7113
12/17/1987	32	A	1281	15.7236
6/29/1988	32	A	1282	15.7359
7/8/1988	32	A	1283	15.7481
7/11/1988	32	A	1284	15.7604
8/2/1993	32	A	1285	15.7727
9/7/1993	32	A	1286	15.7850
9/20/1993	32	A	1287	15.7972
10/12/1993	32	A	1288	15.8095

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
9/14/1994	32	A	1289	15.8218
9/20/1995	32	A	1290	15.8340
9/29/1995	32	A	1291	15.8463
10/4/1995	32	A	1292	15.8586
10/18/1995	32	A	1293	15.8709
8/8/1997	32	A	1294	15.8831
8/20/1997	32	A	1295	15.8954
9/4/1997	32	A	1296	15.9077
11/6/1997	32	A	1297	15.9200
8/23/1998	32	A	1298	15.9322
9/9/1998	32	A	1299	15.9445
9/10/1998	32	A	1300	15.9568
12/22/1998	32	A	1301	15.9691
1/17/1999	32	Ae	1302	15.9813
8/16/1999	32	A	1303	15.9936
10/13/2001	32	A	1304	16.0059
11/1/2001	32	A	1305	16.0182
11/2/2001	32	A	1306	16.0304
2/2/2002	32	A	1307	16.0427
2/3/2002	32	A	1308	16.0550
2/16/2002	32	A	1309	16.0673
2/18/2002	32	A	1310	16.0795
2/23/2002	32	A	1311	16.0918
2/24/2002	32	A	1312	16.1041
6/19/2002	32	A	1313	16.1164
9/24/2005	32	A	1314	16.1286
9/28/2005	32	A	1315	16.1409
8/23/2006	32	A	1316	16.1532
10/5/2006	32	A	1317	16.1655
7/12/2007	32	Ae	1318	16.1777
7/29/2007	32	Ae	1319	16.1900
12/17/2007	32	Ae	1320	16.2023
1/1/2008	32	Ae	1321	16.2146
1/23/2008	32	Ae	1322	16.2268
1/24/2008	32	Ae	1323	16.2391
1/29/2008	32	Ae	1324	16.2514
7/2/2008	32	A	1325	16.2637
7/3/2008	32	A	1326	16.2759
8/5/2008	32	A	1327	16.2882
8/6/2008	32	A	1328	16.3005
9/29/2008	32	A	1329	16.3128
7/1/2010	32	A	1330	16.3250
7/5/2010	32	A	1331	16.3373
9/29/2010	32	A	1332	16.3496
11/4/2010	32	A	1333	16.3619
1/23/2011	32	A	1334	16.3741
6/5/1986	33	A	1335	16.3864
6/6/1986	33	A	1336	16.3987
7/3/1986	33	A	1337	16.4109
9/6/1986	33	A	1338	16.4232
12/13/1986	33	A	1339	16.4355
7/20/1987	33	A	1340	16.4478
7/26/1987	33	A	1341	16.4600
8/9/1987	33	A	1342	16.4723
12/25/1987	33	A	1343	16.4846
6/27/1988	33	A	1344	16.4969

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
6/28/1988	33	A	1345	16.5091
7/15/1988	33	A	1346	16.5214
9/13/1991	33	A	1347	16.5337
7/15/1992	33	A	1348	16.5460
7/17/1992	33	A	1349	16.5582
8/27/1993	33	A	1350	16.5705
8/31/1993	33	A	1351	16.5828
9/30/1993	33	A	1352	16.5951
10/22/1993	33	A	1353	16.6073
11/4/1993	33	A	1354	16.6196
11/5/1993	33	A	1355	16.6319
11/10/1993	33	A	1356	16.6442
11/17/1993	33	A	1357	16.6564
9/12/1994	33	A	1358	16.6687
9/17/1994	33	A	1359	16.6810
7/20/1995	33	A	1360	16.6933
8/21/1995	33	A	1361	16.7055
8/22/1995	33	A	1362	16.7178
9/25/1995	33	A	1363	16.7301
10/20/1995	33	A	1364	16.7424
10/27/1995	33	A	1365	16.7546
10/29/1995	33	A	1366	16.7669
10/31/1995	33	A	1367	16.7792
7/30/1997	33	A	1368	16.7915
7/31/1997	33	A	1369	16.8037
8/5/1997	33	A	1370	16.8160
8/22/1997	33	A	1371	16.8283
10/18/1997	33	A	1372	16.8406
9/8/1998	33	A	1373	16.8528
10/1/1998	33	A	1374	16.8651
10/19/1998	33	A	1375	16.8774
11/5/1998	33	A	1376	16.8897
11/26/1998	33	A	1377	16.9019
11/27/1998	33	A	1378	16.9142
12/2/1998	33	A	1379	16.9265
12/3/1998	33	A	1380	16.9388
1/3/1999	33	Ae	1381	16.9510
1/11/1999	33	A	1382	16.9633
9/9/1999	33	A	1383	16.9756
11/11/2001	33	A	1384	16.9878
12/21/2001	33	A	1385	17.0001
2/14/2002	33	A	1386	17.0124
2/21/2002	33	A	1387	17.0247
3/7/2002	33	A	1388	17.0369
3/10/2002	33	A	1389	17.0492
9/25/2005	33	A	1390	17.0615
10/6/2005	33	A	1391	17.0738
10/4/2006	33	A	1392	17.0860
7/1/2007	33	A	1393	17.0983
8/22/2007	33	Ae	1394	17.1106
10/25/2007	33	Ae	1395	17.1229
1/20/2008	33	Ae	1396	17.1351
7/4/2008	33	A	1397	17.1474
10/3/2010	33	A	1398	17.1597
10/6/2010	33	A	1399	17.1720
6/1/1986	34	A	1400	17.1842

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
6/2/1986	34	A	1401	17.1965
6/7/1986	34	A	1402	17.2088
6/21/1986	34	A	1403	17.2211
8/3/1986	34	A	1404	17.2333
12/17/1986	34	A	1405	17.2456
7/18/1987	34	A	1406	17.2579
7/19/1987	34	A	1407	17.2702
7/21/1987	34	A	1408	17.2824
7/25/1987	34	A	1409	17.2947
1/7/1988	34	A	1410	17.3070
1/15/1988	34	A	1411	17.3193
1/16/1988	34	A	1412	17.3315
1/17/1988	34	A	1413	17.3438
6/25/1988	34	A	1414	17.3561
7/27/1988	34	A	1415	17.3684
6/14/1991	34	A	1416	17.3806
7/16/1992	34	A	1417	17.3929
7/20/1992	34	A	1418	17.4052
7/21/1992	34	A	1419	17.4175
8/7/1992	34	A	1420	17.4297
8/8/1992	34	A	1421	17.4420
8/9/1992	34	A	1422	17.4543
8/10/1992	34	A	1423	17.4666
7/31/1993	34	A	1424	17.4788
8/1/1993	34	A	1425	17.4911
8/5/1993	34	A	1426	17.5034
8/19/1993	34	A	1427	17.5156
8/25/1993	34	A	1428	17.5279
8/26/1993	34	A	1429	17.5402
9/10/1993	34	A	1430	17.5525
9/23/1993	34	A	1431	17.5647
11/3/1993	34	A	1432	17.5770
11/9/1993	34	A	1433	17.5893
11/22/1993	34	A	1434	17.6016
11/23/1993	34	A	1435	17.6138
11/24/1993	34	A	1436	17.6261
11/27/1993	34	A	1437	17.6384
9/10/1994	34	A	1438	17.6507
9/11/1994	34	A	1439	17.6629
9/15/1994	34	A	1440	17.6752
9/16/1994	34	A	1441	17.6875
8/14/1995	34	A	1442	17.6998
8/15/1995	34	A	1443	17.7120
9/26/1995	34	A	1444	17.7243
9/28/1995	34	A	1445	17.7366
10/26/1995	34	A	1446	17.7489
7/15/1997	34	A	1447	17.7611
7/16/1997	34	A	1448	17.7734
8/6/1997	34	A	1449	17.7857
8/7/1997	34	A	1450	17.7980
11/3/1997	34	A	1451	17.8102
8/7/1998	34	A	1452	17.8225
8/22/1998	34	A	1453	17.8348
11/13/1998	34	A	1454	17.8471
11/14/1998	34	A	1455	17.8593
11/15/1998	34	A	1456	17.8716

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
12/4/1998	34	A	1457	17.8839
12/11/1998	34	A	1458	17.8962
12/19/1998	34	A	1459	17.9084
12/29/1998	34	A	1460	17.9207
1/8/1999	34	Ae	1461	17.9330
1/9/1999	34	Ae	1462	17.9453
1/10/1999	34	Ae	1463	17.9575
1/13/1999	34	A	1464	17.9698
6/6/1999	34	A	1465	17.9821
9/10/1999	34	A	1466	17.9944
10/11/2001	34	A	1467	18.0066
10/12/2001	34	A	1468	18.0189
11/12/2001	34	A	1469	18.0312
11/13/2001	34	A	1470	18.0435
12/22/2001	34	A	1471	18.0557
12/23/2001	34	A	1472	18.0680
12/31/2001	34	A	1473	18.0803
1/1/2002	34	A	1474	18.0925
1/2/2002	34	A	1475	18.1048
1/16/2002	34	A	1476	18.1171
1/17/2002	34	A	1477	18.1294
1/18/2002	34	A	1478	18.1416
2/4/2002	34	A	1479	18.1539
2/17/2002	34	A	1480	18.1662
6/3/2002	34	A	1481	18.1785
6/4/2002	34	A	1482	18.1907
6/5/2002	34	A	1483	18.2030
6/10/2002	34	A	1484	18.2153
6/18/2002	34	A	1485	18.2276
9/13/2005	34	A	1486	18.2398
9/23/2005	34	A	1487	18.2521
8/18/2006	34	A	1488	18.2644
8/19/2006	34	A	1489	18.2767
8/21/2006	34	A	1490	18.2889
8/22/2006	34	A	1491	18.3012
8/28/2006	34	A	1492	18.3135
8/29/2006	34	A	1493	18.3258
6/23/2007	34	A	1494	18.3380
6/25/2007	34	A	1495	18.3503
7/11/2007	34	Ae	1496	18.3626
1/17/2008	34	Ae	1497	18.3749
8/4/2008	34	A	1498	18.3871
11/4/2008	34	A	1499	18.3994
8/21/2009	34	A	1500	18.4117
8/27/2009	34	A	1501	18.4240
7/10/2010	34	A	1502	18.4362
11/5/2010	34	A	1503	18.4485
5/31/1986	35	A	1504	18.4608
6/8/1986	35	A	1505	18.4731
6/9/1986	35	A	1506	18.4853
6/16/1986	35	A	1507	18.4976
7/4/1987	35	A	1508	18.5099
12/2/1987	35	A	1509	18.5222
1/3/1988	35	A	1510	18.5344
6/26/1988	35	A	1511	18.5467
7/29/1988	35	A	1512	18.5590

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
6/15/1991	35	A	1513	18.5713
6/16/1991	35	A	1514	18.5835
9/23/1991	35	A	1515	18.5958
7/30/1993	35	A	1516	18.6081
8/3/1993	35	A	1517	18.6204
11/2/1993	35	A	1518	18.6326
11/8/1993	35	A	1519	18.6449
11/26/1993	35	A	1520	18.6572
7/16/1995	35	A	1521	18.6694
8/20/1995	35	A	1522	18.6817
9/22/1995	35	A	1523	18.6940
9/27/1995	35	A	1524	18.7063
10/25/1995	35	A	1525	18.7185
11/10/1995	35	A	1526	18.7308
7/22/1997	35	A	1527	18.7431
8/2/1998	35	A	1528	18.7554
8/4/1998	35	A	1529	18.7676
12/18/1998	35	A	1530	18.7799
12/24/1998	35	A	1531	18.7922
12/30/1998	35	A	1532	18.8045
1/6/1999	35	Ae	1533	18.8167
1/19/1999	35	Ae	1534	18.8290
6/8/1999	35	A	1535	18.8413
8/10/2001	35	A	1536	18.8536
10/10/2001	35	A	1537	18.8658
11/20/2001	35	A	1538	18.8781
11/24/2001	35	A	1539	18.8904
11/25/2001	35	A	1540	18.9027
1/29/2002	35	A	1541	18.9149
2/1/2002	35	A	1542	18.9272
2/12/2002	35	A	1543	18.9395
2/13/2002	35	A	1544	18.9518
6/2/2002	35	A	1545	18.9640
8/6/2006	35	A	1546	18.9763
8/17/2006	35	A	1547	18.9886
8/20/2006	35	A	1548	19.0009
8/27/2006	35	A	1549	19.0131
8/30/2006	35	A	1550	19.0254
10/3/2006	35	Ae	1551	19.0377
6/26/2007	35	A	1552	19.0500
6/30/2007	35	A	1553	19.0622
7/4/2007	35	A	1554	19.0745
6/30/2008	35	A	1555	19.0868
7/1/2008	35	A	1556	19.0991
8/18/2009	35	A	1557	19.1113
6/30/2010	35	A	1558	19.1236
7/11/2010	35	A	1559	19.1359
5/30/1986	36	A	1560	19.1482
8/18/1986	36	A	1561	19.1604
8/29/1986	36	A	1562	19.1727
7/16/1987	36	A	1563	19.1850
7/24/1987	36	A	1564	19.1973
11/29/1987	36	A	1565	19.2095
12/31/1987	36	A	1566	19.2218
1/2/1988	36	A	1567	19.2341
1/12/1988	36	A	1568	19.2463

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
6/24/1988	36	A	1569	19.2586
7/9/1988	36	A	1570	19.2709
7/10/1988	36	A	1571	19.2832
6/13/1991	36	A	1572	19.2954
9/10/1991	36	A	1573	19.3077
9/11/1991	36	A	1574	19.3200
9/12/1991	36	A	1575	19.3323
9/24/1991	36	A	1576	19.3445
8/6/1992	36	A	1577	19.3568
8/11/1992	36	A	1578	19.3691
8/16/1993	36	A	1579	19.3814
8/17/1993	36	A	1580	19.3936
8/18/1993	36	A	1581	19.4059
8/24/1993	36	A	1582	19.4182
9/1/1993	36	A	1583	19.4305
9/11/1993	36	A	1584	19.4427
11/25/1993	36	A	1585	19.4550
9/9/1994	36	A	1586	19.4673
7/19/1995	36	A	1587	19.4796
8/13/1995	36	A	1588	19.4918
9/24/1995	36	A	1589	19.5041
10/8/1995	36	A	1590	19.5164
10/17/1995	36	A	1591	19.5287
11/2/1995	36	A	1592	19.5409
7/14/1997	36	A	1593	19.5532
7/21/1997	36	A	1594	19.5655
7/28/1997	36	A	1595	19.5778
8/5/1998	36	A	1596	19.5900
8/8/1998	36	A	1597	19.6023
8/13/1998	36	A	1598	19.6146
1/12/1999	36	A	1599	19.6269
6/5/1999	36	A	1600	19.6391
10/6/2001	36	A	1601	19.6514
11/30/2001	36	A	1602	19.6637
12/28/2001	36	A	1603	19.6760
12/30/2001	36	A	1604	19.6882
1/3/2002	36	A	1605	19.7005
1/15/2002	36	A	1606	19.7128
3/6/2002	36	A	1607	19.7251
3/17/2002	36	A	1608	19.7373
6/1/2002	36	A	1609	19.7496
6/16/2002	36	A	1610	19.7619
6/17/2002	36	A	1611	19.7741
9/12/2005	36	A	1612	19.7864
9/14/2005	36	A	1613	19.7987
9/26/2005	36	A	1614	19.8110
9/27/2005	36	A	1615	19.8232
8/5/2006	36	A	1616	19.8355
8/14/2006	36	A	1617	19.8478
8/15/2006	36	A	1618	19.8601
6/22/2007	36	A	1619	19.8723
1/19/2008	36	Ae	1620	19.8846
6/29/2008	36	A	1621	19.8969
7/22/2008	36	A	1622	19.9092
7/23/2008	36	A	1623	19.9214
11/11/2008	36	A	1624	19.9337

Millsboro Q Frequencies	Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
	11/12/2008	36	A	1625	19.9460
	8/22/2009	36	A	1626	19.9583
	6/29/2010	36	A	1627	19.9705
	10/21/2010	36	A	1628	19.9828
	1/22/2011	36	A	1629	19.9951
	6/25/1986	37	A	1630	20.0074
	12/22/1986	37	A	1631	20.0196
	12/23/1986	37	A	1632	20.0319
	7/1/1987	37	A	1633	20.0442
	7/2/1987	37	A	1634	20.0565
	7/3/1987	37	A	1635	20.0687
	7/17/1987	37	A	1636	20.0810
	8/8/1987	37	A	1637	20.0933
	9/9/1987	37	A	1638	20.1056
	1/1/1988	37	A	1639	20.1178
	1/11/1988	37	A	1640	20.1301
	1/14/1988	37	A	1641	20.1424
	8/31/1988	37	A	1642	20.1547
	7/21/1991	37	A	1643	20.1669
	9/18/1991	37	A	1644	20.1792
	9/19/1991	37	A	1645	20.1915
	9/22/1991	37	A	1646	20.2038
	10/14/1991	37	A	1647	20.2160
	7/14/1992	37	A	1648	20.2283
	7/30/1992	37	A	1649	20.2406
	8/3/1992	37	A	1650	20.2529
	7/25/1993	37	A	1651	20.2651
	7/26/1993	37	A	1652	20.2774
	7/27/1993	37	A	1653	20.2897
	7/28/1993	37	A	1654	20.3020
	7/29/1993	37	A	1655	20.3142
	8/4/1993	37	A	1656	20.3265
	8/13/1993	37	A	1657	20.3388
	9/21/1993	37	A	1658	20.3510
	9/24/1993	37	A	1659	20.3633
	11/6/1993	37	A	1660	20.3756
	11/21/1993	37	A	1661	20.3879
	7/22/1994	37	A	1662	20.4001
	9/8/1994	37	A	1663	20.4124
	7/15/1995	37	A	1664	20.4247
	7/18/1995	37	A	1665	20.4370
	8/11/1995	37	A	1666	20.4492
	8/12/1995	37	A	1667	20.4615
	8/19/1995	37	A	1668	20.4738
	10/24/1995	37	A	1669	20.4861
	11/4/1995	37	A	1670	20.4983
	11/7/1995	37	A	1671	20.5106
	8/6/1998	37	A	1672	20.5229
	8/9/1998	37	A	1673	20.5352
	8/10/1998	37	A	1674	20.5474
	10/12/1998	37	A	1675	20.5597
	10/17/1998	37	A	1676	20.5720
	11/12/1998	37	A	1677	20.5843
	12/17/1998	37	A	1678	20.5965
	1/14/1999	37	Ae	1679	20.6088
	6/4/1999	37	A	1680	20.6211

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
6/10/1999	37	A	1681	20.6334
9/15/1999	37	A	1682	20.6456
7/25/2001	37	A	1683	20.6579
8/9/2001	37	A	1684	20.6702
10/7/2001	37	A	1685	20.6825
10/8/2001	37	A	1686	20.6947
10/9/2001	37	A	1687	20.7070
11/21/2001	37	A	1688	20.7193
11/22/2001	37	A	1689	20.7316
11/23/2001	37	A	1690	20.7438
11/26/2001	37	A	1691	20.7561
11/27/2001	37	A	1692	20.7684
11/28/2001	37	A	1693	20.7807
11/29/2001	37	A	1694	20.7929
12/1/2001	37	A	1695	20.8052
12/2/2001	37	A	1696	20.8175
12/3/2001	37	A	1697	20.8298
12/4/2001	37	A	1698	20.8420
12/5/2001	37	A	1699	20.8543
12/6/2001	37	A	1700	20.8666
12/7/2001	37	A	1701	20.8789
12/20/2001	37	A	1702	20.8911
12/29/2001	37	A	1703	20.9034
1/4/2002	37	A	1704	20.9157
1/5/2002	37	A	1705	20.9279
1/27/2002	37	A	1706	20.9402
1/28/2002	37	A	1707	20.9525
3/13/2002	37	A	1708	20.9648
3/16/2002	37	A	1709	20.9770
5/31/2002	37	A	1710	20.9893
6/6/2002	37	A	1711	21.0016
6/9/2002	37	A	1712	21.0139
6/15/2002	37	A	1713	21.0261
10/31/2004	37	A	1714	21.0384
11/1/2004	37	A	1715	21.0507
11/2/2004	37	A	1716	21.0630
11/3/2004	37	A	1717	21.0752
9/5/2005	37	A	1718	21.0875
9/6/2005	37	A	1719	21.0998
9/7/2005	37	A	1720	21.1121
9/8/2005	37	A	1721	21.1243
9/9/2005	37	A	1722	21.1366
9/10/2005	37	A	1723	21.1489
9/11/2005	37	A	1724	21.1612
9/15/2005	37	A	1725	21.1734
9/16/2005	37	A	1726	21.1857
9/17/2005	37	A	1727	21.1980
9/21/2005	37	A	1728	21.2103
9/22/2005	37	A	1729	21.2225
8/2/2006	37	A	1730	21.2348
8/3/2006	37	A	1731	21.2471
8/16/2006	37	A	1732	21.2594
6/27/2007	37	Ae	1733	21.2716
6/28/2007	37	Ae	1734	21.2839
6/29/2007	37	Ae	1735	21.2962
8/19/2007	37	Ae	1736	21.3085

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
7/21/2008	37	A	1737	21.3207
8/1/2008	37	A	1738	21.3330
8/28/2009	37	A	1739	21.3453
6/22/2010	37	A	1740	21.3576
1/3/2011	37	A	1741	21.3698
6/24/1986	38	A	1742	21.3821
6/30/1987	38	A	1743	21.3944
7/13/1987	38	A	1744	21.4067
7/15/1987	38	A	1745	21.4189
12/12/1987	38	A	1746	21.4312
12/15/1987	38	A	1747	21.4435
1/10/1988	38	A	1748	21.4558
1/13/1988	38	A	1749	21.4680
7/14/1988	38	A	1750	21.4803
8/25/1988	38	A	1751	21.4926
7/20/1991	38	A	1752	21.5048
8/6/1991	38	A	1753	21.5171
9/17/1991	38	A	1754	21.5294
8/12/1993	38	A	1755	21.5417
11/7/1993	38	A	1756	21.5539
8/10/1995	38	A	1757	21.5662
10/28/1995	38	A	1758	21.5785
11/3/1995	38	A	1759	21.5908
11/9/1995	38	A	1760	21.6030
11/11/1995	38	A	1761	21.6153
7/20/1997	38	A	1762	21.6276
9/3/1997	38	A	1763	21.6399
10/27/1997	38	A	1764	21.6521
8/18/1998	38	A	1765	21.6644
10/18/1998	38	A	1766	21.6767
6/2/1999	38	A	1767	21.6890
6/9/1999	38	A	1768	21.7012
10/16/2001	38	A	1769	21.7135
12/27/2001	38	A	1770	21.7258
1/26/2002	38	A	1771	21.7381
3/5/2002	38	A	1772	21.7503
9/20/2005	38	A	1773	21.7626
6/19/2006	38	A	1774	21.7749
8/13/2006	38	A	1775	21.7872
8/26/2006	38	A	1776	21.7994
9/30/2006	38	A	1777	21.8117
10/2/2006	38	A	1778	21.8240
7/30/2007	38	Ae	1779	21.8363
5/8/2008	38	A	1780	21.8485
8/3/2008	38	A	1781	21.8608
9/7/2008	38	A	1782	21.8731
10/26/2008	38	A	1783	21.8854
8/11/2009	38	A	1784	21.8976
8/20/2009	38	A	1785	21.9099
8/26/2009	38	A	1786	21.9222
6/28/2010	38	A	1787	21.9345
7/14/2010	38	A	1788	21.9467
12/12/2010	38	A	1789	21.9590
1/2/2011	38	A	1790	21.9713
5/29/1986	39	A	1791	21.9836
6/15/1986	39	A	1792	21.9958

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
8/28/1986	39	A	1793	22.0081
7/14/1987	39	A	1794	22.0204
11/11/1987	39	A	1795	22.0327
12/27/1987	39	A	1796	22.0449
12/28/1987	39	A	1797	22.0572
7/19/1991	39	A	1798	22.0695
8/7/1991	39	A	1799	22.0817
8/8/1991	39	A	1800	22.0940
9/9/1991	39	A	1801	22.1063
10/13/1991	39	A	1802	22.1186
7/13/1992	39	A	1803	22.1308
7/29/1992	39	A	1804	22.1431
8/4/1992	39	A	1805	22.1554
7/24/1993	39	A	1806	22.1677
8/20/1993	39	A	1807	22.1799
9/22/1993	39	A	1808	22.1922
7/13/1994	39	A	1809	22.2045
7/21/1994	39	A	1810	22.2168
7/23/1994	39	A	1811	22.2290
9/7/1994	39	A	1812	22.2413
7/14/1995	39	A	1813	22.2536
7/17/1995	39	A	1814	22.2659
8/9/1995	39	A	1815	22.2781
8/16/1995	39	A	1816	22.2904
8/18/1995	39	A	1817	22.3027
7/18/1997	39	A	1818	22.3150
11/7/1997	39	A	1819	22.3272
7/29/1998	39	A	1820	22.3395
10/13/1998	39	A	1821	22.3518
11/11/1998	39	A	1822	22.3641
6/3/1999	39	A	1823	22.3763
7/16/1999	39	A	1824	22.3886
10/5/2001	39	A	1825	22.4009
12/8/2001	39	A	1826	22.4132
1/14/2002	39	A	1827	22.4254
1/19/2002	39	A	1828	22.4377
2/10/2002	39	A	1829	22.4500
2/11/2002	39	A	1830	22.4623
3/15/2002	39	A	1831	22.4745
9/4/2005	39	A	1832	22.4868
8/1/2006	39	A	1833	22.4991
8/7/2006	39	A	1834	22.5114
8/9/2006	39	A	1835	22.5236
8/12/2006	39	A	1836	22.5359
8/31/2006	39	A	1837	22.5482
10/1/2006	39	A	1838	22.5605
6/19/2007	39	A	1839	22.5727
5/7/2008	39	A	1840	22.5850
6/28/2008	39	A	1841	22.5973
7/20/2008	39	A	1842	22.6095
7/29/2008	39	A	1843	22.6218
7/30/2008	39	A	1844	22.6341
7/31/2008	39	A	1845	22.6464
8/17/2009	39	A	1846	22.6586
8/19/2009	39	A	1847	22.6709
9/7/2009	39	A	1848	22.6832

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
5/19/1986	40	A	1849	22.6955
6/12/1986	40	A	1850	22.7077
8/7/1986	40	A	1851	22.7200
12/9/1986	40	A	1852	22.7323
12/21/1986	40	A	1853	22.7446
6/29/1987	40	A	1854	22.7568
7/11/1987	40	A	1855	22.7691
7/12/1987	40	A	1856	22.7814
7/23/1987	40	A	1857	22.7937
8/5/1987	40	A	1858	22.8059
1/9/1988	40	A	1859	22.8182
6/17/1988	40	A	1860	22.8305
6/22/1988	40	A	1861	22.8428
6/23/1988	40	A	1862	22.8550
6/11/1991	40	A	1863	22.8673
6/12/1991	40	A	1864	22.8796
10/8/1991	40	A	1865	22.8919
10/11/1991	40	A	1866	22.9041
10/12/1991	40	A	1867	22.9164
7/12/1992	40	A	1868	22.9287
7/31/1992	40	A	1869	22.9410
8/2/1992	40	A	1870	22.9532
9/18/1993	40	A	1871	22.9655
7/12/1994	40	A	1872	22.9778
7/17/1994	40	A	1873	22.9901
9/5/1994	40	A	1874	23.0023
9/6/1994	40	A	1875	23.0146
7/21/1995	40	A	1876	23.0269
9/19/1995	40	A	1877	23.0392
10/7/1995	40	A	1878	23.0514
7/7/1997	40	A	1879	23.0637
7/13/1997	40	A	1880	23.0760
7/17/1997	40	A	1881	23.0883
7/27/1997	40	A	1882	23.1005
10/21/1997	40	A	1883	23.1128
11/1/1997	40	A	1884	23.1251
7/26/1998	40	A	1885	23.1374
7/27/1998	40	A	1886	23.1496
7/28/1998	40	A	1887	23.1619
7/30/1998	40	A	1888	23.1742
8/21/1998	40	A	1889	23.1864
10/16/1998	40	A	1890	23.1987
10/15/1999	40	A	1891	23.2110
7/17/2001	40	A	1892	23.2233
8/4/2001	40	A	1893	23.2355
8/5/2001	40	A	1894	23.2478
8/6/2001	40	A	1895	23.2601
8/7/2001	40	A	1896	23.2724
8/8/2001	40	A	1897	23.2846
10/15/2001	40	A	1898	23.2969
12/16/2001	40	A	1899	23.3092
12/17/2001	40	A	1900	23.3215
12/26/2001	40	A	1901	23.3337
1/10/2002	40	A	1902	23.3460
1/23/2002	40	A	1903	23.3583
1/24/2002	40	A	1904	23.3706

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
2/9/2002	40	A	1905	23.3828
5/30/2002	40	A	1906	23.3951
7/7/2004	40	A	1907	23.4074
10/19/2004	40	A	1908	23.4197
6/18/2006	40	A	1909	23.4319
6/22/2006	40	A	1910	23.4442
8/10/2006	40	A	1911	23.4565
8/24/2006	40	A	1912	23.4688
9/25/2006	40	A	1913	23.4810
9/26/2006	40	A	1914	23.4933
9/27/2006	40	A	1915	23.5056
9/29/2006	40	A	1916	23.5179
8/20/2007	40	Ae	1917	23.5301
1/18/2008	40	Ae	1918	23.5424
2/1/2008	40	Ae	1919	23.5547
2/11/2008	40	Ae	1920	23.5670
2/12/2008	40	Ae	1921	23.5792
5/5/2008	40	A	1922	23.5915
5/6/2008	40	A	1923	23.6038
6/27/2008	40	A	1924	23.6161
7/26/2008	40	A	1925	23.6283
11/10/2008	40	A	1926	23.6406
9/6/2009	40	A	1927	23.6529
12/13/2010	40	A	1928	23.6652
5/27/1986	41	A	1929	23.6774
5/28/1986	41	A	1930	23.6897
12/6/1986	41	A	1931	23.7020
12/7/1986	41	A	1932	23.7143
12/8/1986	41	A	1933	23.7265
12/10/1986	41	A	1934	23.7388
12/18/1986	41	A	1935	23.7511
6/26/1987	41	A	1936	23.7633
7/10/1987	41	A	1937	23.7756
12/11/1987	41	A	1938	23.7879
12/16/1987	41	A	1939	23.8002
1/6/1988	41	A	1940	23.8124
1/8/1988	41	A	1941	23.8247
6/18/1988	41	A	1942	23.8370
6/21/1988	41	A	1943	23.8493
7/28/1988	41	A	1944	23.8615
7/18/1991	41	A	1945	23.8738
9/4/1991	41	A	1946	23.8861
9/5/1991	41	A	1947	23.8984
9/6/1991	41	A	1948	23.9106
9/7/1991	41	A	1949	23.9229
9/8/1991	41	A	1950	23.9352
10/2/1991	41	A	1951	23.9475
8/5/1992	41	A	1952	23.9597
7/12/1993	41	A	1953	23.9720
8/23/1993	41	A	1954	23.9843
10/29/1993	41	A	1955	23.9966
11/20/1993	41	A	1956	24.0088
9/21/1994	41	A	1957	24.0211
7/13/1995	41	A	1958	24.0334
9/23/1995	41	A	1959	24.0457
7/25/1998	41	A	1960	24.0579

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
12/16/1998	41	A	1961	24.0702
7/1/1999	41	A	1962	24.0825
10/16/1999	41	A	1963	24.0948
7/24/2001	41	A	1964	24.1070
8/3/2001	41	A	1965	24.1193
9/30/2001	41	A	1966	24.1316
10/4/2001	41	A	1967	24.1439
1/12/2002	41	A	1968	24.1561
10/18/2004	41	A	1969	24.1684
6/1/2006	41	A	1970	24.1807
6/23/2006	41	A	1971	24.1930
8/8/2006	41	A	1972	24.2052
8/11/2006	41	A	1973	24.2175
9/28/2006	41	A	1974	24.2298
6/20/2007	41	A	1975	24.2421
2/10/2008	41	Ae	1976	24.2543
6/25/2008	41	A	1977	24.2666
6/26/2008	41	A	1978	24.2789
8/16/2009	41	A	1979	24.2912
9/8/2009	41	A	1980	24.3034
5/18/1986	42	A	1981	24.3157
5/26/1986	42	A	1982	24.3280
12/5/1986	42	A	1983	24.3402
12/30/1987	42	A	1984	24.3525
7/12/1988	42	A	1985	24.3648
7/23/1988	42	A	1986	24.3771
6/10/1991	42	A	1987	24.3893
7/17/1991	42	A	1988	24.4016
7/22/1991	42	A	1989	24.4139
9/16/1991	42	A	1990	24.4262
10/1/1991	42	A	1991	24.4384
10/7/1991	42	A	1992	24.4507
10/10/1991	42	A	1993	24.4630
7/11/1992	42	A	1994	24.4753
7/11/1993	42	A	1995	24.4875
7/23/1993	42	A	1996	24.4998
8/11/1993	42	A	1997	24.5121
9/25/1993	42	A	1998	24.5244
7/11/1994	42	A	1999	24.5366
7/16/1994	42	A	2000	24.5489
9/4/1994	42	A	2001	24.5612
9/20/1994	42	A	2002	24.5735
8/8/1995	42	A	2003	24.5857
8/17/1995	42	A	2004	24.5980
7/24/1998	42	A	2005	24.6103
8/1/1998	42	A	2006	24.6226
10/11/1998	42	A	2007	24.6348
10/14/1998	42	A	2008	24.6471
10/15/1998	42	A	2009	24.6594
6/1/1999	42	A	2010	24.6717
7/2/1999	42	A	2011	24.6839
7/4/1999	42	A	2012	24.6962
9/29/2001	42	A	2013	24.7085
12/15/2001	42	A	2014	24.7208
12/25/2001	42	A	2015	24.7330
1/11/2002	42	A	2016	24.7453

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
1/22/2002	42	A	2017	24.7576
1/25/2002	42	A	2018	24.7699
2/7/2002	42	A	2019	24.7821
6/8/2002	42	A	2020	24.7944
5/31/2006	42	A	2021	24.8067
6/17/2006	42	A	2022	24.8190
9/22/2006	42	A	2023	24.8312
9/23/2006	42	A	2024	24.8435
9/24/2006	42	A	2025	24.8558
6/18/2007	42	A	2026	24.8680
6/21/2007	42	A	2027	24.8803
12/31/2007	42	Ae	2028	24.8926
2/9/2008	42	Ae	2029	24.9049
7/5/2008	42	A	2030	24.9171
7/27/2008	42	A	2031	24.9294
8/2/2008	42	A	2032	24.9417
8/10/2009	42	A	2033	24.9540
9/5/2009	42	A	2034	24.9662
7/13/2010	42	A	2035	24.9785
1/20/2011	42	A	2036	24.9908
8/22/1986	43	A	2037	25.0031
6/25/1987	43	A	2038	25.0153
12/26/1987	43	A	2039	25.0276
1/5/1988	43	A	2040	25.0399
6/16/1988	43	A	2041	25.0522
8/5/1991	43	A	2042	25.0644
9/3/1991	43	A	2043	25.0767
8/13/1992	43	A	2044	25.0890
8/6/1993	43	A	2045	25.1013
7/14/1994	43	A	2046	25.1135
7/18/1994	43	A	2047	25.1258
7/20/1994	43	A	2048	25.1381
7/12/1995	43	A	2049	25.1504
8/3/1995	43	A	2050	25.1626
8/5/1995	43	A	2051	25.1749
7/12/1997	43	A	2052	25.1872
8/12/1998	43	A	2053	25.1995
1/7/1999	43	Ae	2054	25.2117
12/24/2001	43	A	2055	25.2240
1/9/2002	43	A	2056	25.2363
5/29/2002	43	A	2057	25.2486
7/28/2002	43	A	2058	25.2608
10/30/2004	43	A	2059	25.2731
7/27/2006	43	A	2060	25.2854
7/31/2006	43	A	2061	25.2977
8/18/2007	43	Ae	2062	25.3099
2/8/2008	43	Ae	2063	25.3222
2/21/2008	43	Ae	2064	25.3345
2/22/2008	43	Ae	2065	25.3468
7/19/2008	43	A	2066	25.3590
7/28/2008	43	A	2067	25.3713
9/6/2008	43	A	2068	25.3836
8/25/2009	43	A	2069	25.3959
9/9/2009	43	A	2070	25.4081
6/12/2010	43	A	2071	25.4204
6/13/2010	43	A	2072	25.4327

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
10/2/2010	43	A	2073	25.4449
1/21/2011	43	A	2074	25.4572
5/25/1986	44	A	2075	25.4695
12/11/1986	44	A	2076	25.4818
12/20/1986	44	A	2077	25.4940
6/19/1987	44	A	2078	25.5063
6/19/1988	44	A	2079	25.5186
6/20/1988	44	A	2080	25.5309
6/9/1991	44	A	2081	25.5431
8/4/1991	44	A	2082	25.5554
9/1/1991	44	A	2083	25.5677
9/2/1991	44	A	2084	25.5800
9/14/1991	44	A	2085	25.5922
10/6/1991	44	A	2086	25.6045
11/27/1991	44	A	2087	25.6168
7/10/1992	44	A	2088	25.6291
7/19/1993	44	A	2089	25.6413
7/22/1993	44	A	2090	25.6536
9/19/1993	44	A	2091	25.6659
12/2/1993	44	A	2092	25.6782
12/3/1993	44	A	2093	25.6904
12/4/1993	44	A	2094	25.7027
7/10/1994	44	A	2095	25.7150
8/2/1995	44	A	2096	25.7273
8/4/1995	44	A	2097	25.7395
8/7/1995	44	A	2098	25.7518
10/16/1995	44	A	2099	25.7641
10/23/1995	44	A	2100	25.7764
7/8/1997	44	A	2101	25.7886
7/9/1997	44	A	2102	25.8009
7/23/1998	44	A	2103	25.8132
8/11/1998	44	A	2104	25.8255
12/10/1998	44	A	2105	25.8377
5/31/1999	44	A	2106	25.8500
6/11/1999	44	A	2107	25.8623
6/28/1999	44	A	2108	25.8746
6/29/1999	44	A	2109	25.8868
6/30/1999	44	A	2110	25.8991
7/13/2001	44	A	2111	25.9114
7/14/2001	44	A	2112	25.9237
7/15/2001	44	A	2113	25.9359
7/16/2001	44	A	2114	25.9482
7/21/2001	44	A	2115	25.9605
7/22/2001	44	A	2116	25.9728
7/23/2001	44	A	2117	25.9850
9/28/2001	44	A	2118	25.9973
10/1/2001	44	A	2119	26.0096
10/2/2001	44	A	2120	26.0218
10/3/2001	44	A	2121	26.0341
12/14/2001	44	A	2122	26.0464
12/19/2001	44	A	2123	26.0587
3/4/2002	44	A	2124	26.0709
3/14/2002	44	A	2125	26.0832
5/25/2002	44	A	2126	26.0955
5/26/2002	44	A	2127	26.1078
5/27/2002	44	A	2128	26.1200

Millsboro Q Frequencies	Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
	5/28/2002	44	A	2129	26.1323
	10/5/2002	44	A	2130	26.1446
	10/6/2002	44	A	2131	26.1569
	10/7/2002	44	A	2132	26.1691
	10/8/2002	44	A	2133	26.1814
	10/9/2002	44	A	2134	26.1937
	10/10/2002	44	A	2135	26.2060
	7/4/2004	44	A	2136	26.2182
	7/5/2004	44	A	2137	26.2305
	7/6/2004	44	A	2138	26.2428
	7/8/2004	44	A	2139	26.2551
	7/9/2004	44	A	2140	26.2673
	7/10/2004	44	A	2141	26.2796
	7/11/2004	44	A	2142	26.2919
	7/22/2004	44	A	2143	26.3042
	7/23/2004	44	A	2144	26.3164
	7/24/2004	44	A	2145	26.3287
	11/11/2004	44	A	2146	26.3410
	9/3/2005	44	A	2147	26.3533
	10/7/2005	44	A	2148	26.3655
	5/10/2006	44	A	2149	26.3778
	5/29/2006	44	A	2150	26.3901
	5/30/2006	44	A	2151	26.4024
	6/11/2006	44	A	2152	26.4146
	6/24/2006	44	A	2153	26.4269
	7/28/2006	44	A	2154	26.4392
	6/2/2007	44	A	2155	26.4515
	7/31/2007	44	Ae	2156	26.4637
	5/4/2008	44	A	2157	26.4760
	6/11/2010	44	A	2158	26.4883
	6/15/2010	44	A	2159	26.5006
	6/18/2010	44	A	2160	26.5128
	6/18/1987	45	A	2161	26.5251
	6/24/1987	45	A	2162	26.5374
	6/28/1987	45	A	2163	26.5497
	6/15/1988	45	A	2164	26.5619
	9/21/1991	45	A	2165	26.5742
	9/30/1991	45	A	2166	26.5865
	10/5/1991	45	A	2167	26.5987
	11/26/1991	45	A	2168	26.6110
	11/28/1991	45	A	2169	26.6233
	8/15/1993	45	A	2170	26.6356
	10/30/1993	45	A	2171	26.6478
	9/3/1994	45	A	2172	26.6601
	7/11/1995	45	A	2173	26.6724
	8/6/1995	45	A	2174	26.6847
	11/8/1995	45	A	2175	26.6969
	7/11/1996	45	A	2176	26.7092
	7/6/1997	45	A	2177	26.7215
	7/26/1997	45	A	2178	26.7338
	11/2/1997	45	A	2179	26.7460
	7/3/1999	45	A	2180	26.7583
	7/18/2001	45	A	2181	26.7706
	7/20/2001	45	A	2182	26.7829
	9/27/2001	45	A	2183	26.7951
	12/10/2001	45	A	2184	26.8074

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
12/13/2001	45	A	2185	26.8197
1/13/2002	45	A	2186	26.8320
10/4/2002	45	A	2187	26.8442
7/17/2004	45	A	2188	26.8565
11/4/2004	45	A	2189	26.8688
9/2/2005	45	A	2190	26.8811
9/19/2005	45	A	2191	26.8933
5/7/2006	45	A	2192	26.9056
5/28/2006	45	A	2193	26.9179
6/12/2006	45	A	2194	26.9302
6/21/2006	45	A	2195	26.9424
6/14/2007	45	A	2196	26.9547
2/7/2008	45	Ae	2197	26.9670
4/25/2008	45	A	2198	26.9793
9/27/2008	45	A	2199	26.9915
7/19/2009	45	A	2200	27.0038
7/20/2009	45	A	2201	27.0161
8/15/2009	45	A	2202	27.0284
9/4/2009	45	A	2203	27.0406
6/9/2010	45	A	2204	27.0529
6/14/2010	45	A	2205	27.0652
6/21/2010	45	A	2206	27.0775
6/20/1987	46	A	2207	27.0897
8/7/1987	46	A	2208	27.1020
1/18/1988	46	A	2209	27.1143
8/24/1988	46	A	2210	27.1265
6/2/1991	46	A	2211	27.1388
7/16/1991	46	A	2212	27.1511
10/9/1991	46	A	2213	27.1634
7/9/1992	46	A	2214	27.1756
7/27/1992	46	A	2215	27.1879
7/28/1992	46	A	2216	27.2002
7/10/1993	46	A	2217	27.2125
7/18/1993	46	A	2218	27.2247
8/14/1993	46	A	2219	27.2370
9/6/1993	46	A	2220	27.2493
9/29/1993	46	A	2221	27.2616
12/1/1993	46	A	2222	27.2738
7/15/1994	46	A	2223	27.2861
7/6/1995	46	A	2224	27.2984
7/10/1995	46	A	2225	27.3107
7/8/1996	46	A	2226	27.3229
9/9/1996	46	A	2227	27.3352
6/25/1997	46	A	2228	27.3475
6/30/1997	46	A	2229	27.3598
7/1/1997	46	A	2230	27.3720
7/19/1997	46	A	2231	27.3843
8/21/1997	46	A	2232	27.3966
7/22/1998	46	A	2233	27.4089
10/14/1999	46	A	2234	27.4211
9/24/2001	46	A	2235	27.4334
12/11/2001	46	A	2236	27.4457
12/18/2001	46	A	2237	27.4580
2/8/2002	46	A	2238	27.4702
5/24/2002	46	A	2239	27.4825
8/29/2002	46	A	2240	27.4948

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
7/12/2004	46	A	2241	27.5071
7/31/2004	46	A	2242	27.5193
10/29/2004	46	A	2243	27.5316
5/11/2006	46	A	2244	27.5439
6/13/2006	46	A	2245	27.5562
6/16/2006	46	A	2246	27.5684
7/26/2006	46	A	2247	27.5807
7/30/2006	46	A	2248	27.5930
9/21/2006	46	A	2249	27.6053
6/17/2007	46	A	2250	27.6175
4/26/2008	46	A	2251	27.6298
4/27/2008	46	A	2252	27.6421
7/25/2008	46	A	2253	27.6544
11/9/2008	46	A	2254	27.6666
9/3/2009	46	A	2255	27.6789
6/8/2010	46	A	2256	27.6912
10/5/2010	46	A	2257	27.7034
5/24/1986	47	A	2258	27.7157
6/14/1988	47	A	2259	27.7280
7/1/1991	47	A	2260	27.7403
8/3/1991	47	A	2261	27.7525
9/15/1991	47	A	2262	27.7648
11/25/1991	47	A	2263	27.7771
11/29/1991	47	A	2264	27.7894
11/30/1991	47	A	2265	27.8016
8/12/1992	47	A	2266	27.8139
7/13/1993	47	A	2267	27.8262
8/10/1993	47	A	2268	27.8385
9/5/1993	47	A	2269	27.8507
11/1/1993	47	A	2270	27.8630
7/9/1994	47	A	2271	27.8753
8/31/1994	47	A	2272	27.8876
9/1/1994	47	A	2273	27.8998
9/2/1994	47	A	2274	27.9121
6/30/1995	47	A	2275	27.9244
7/5/1995	47	A	2276	27.9367
7/10/1996	47	A	2277	27.9489
9/7/1996	47	A	2278	27.9612
9/10/1996	47	A	2279	27.9735
7/10/1997	47	A	2280	27.9858
7/11/1997	47	A	2281	27.9980
12/15/1998	47	A	2282	28.0103
1/21/1999	47	Ae	2283	28.0226
5/28/1999	47	A	2284	28.0349
5/29/1999	47	A	2285	28.0471
5/30/1999	47	A	2286	28.0594
7/15/1999	47	A	2287	28.0717
11/23/2000	47	A	2288	28.0840
11/24/2000	47	A	2289	28.0962
11/25/2000	47	A	2290	28.1085
7/12/2001	47	A	2291	28.1208
8/2/2001	47	A	2292	28.1331
9/15/2001	47	A	2293	28.1453
9/16/2001	47	A	2294	28.1576
9/17/2001	47	A	2295	28.1699
9/18/2001	47	A	2296	28.1822

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
9/19/2001	47	A	2297	28.1944
12/9/2001	47	A	2298	28.2067
12/12/2001	47	A	2299	28.2190
1/6/2002	47	A	2300	28.2313
3/3/2002	47	A	2301	28.2435
3/24/2002	47	A	2302	28.2558
3/25/2002	47	A	2303	28.2681
3/26/2002	47	A	2304	28.2803
5/23/2002	47	A	2305	28.2926
6/7/2002	47	A	2306	28.3049
7/2/2004	47	A	2307	28.3172
7/3/2004	47	A	2308	28.3294
7/18/2004	47	A	2309	28.3417
7/21/2004	47	A	2310	28.3540
10/14/2004	47	A	2311	28.3663
10/27/2004	47	A	2312	28.3785
10/28/2004	47	A	2313	28.3908
11/9/2004	47	A	2314	28.4031
11/10/2004	47	A	2315	28.4154
5/9/2006	47	A	2316	28.4276
5/23/2006	47	A	2317	28.4399
5/24/2006	47	A	2318	28.4522
5/25/2006	47	A	2319	28.4645
5/27/2006	47	A	2320	28.4767
6/1/2007	47	A	2321	28.4890
6/10/2007	47	A	2322	28.5013
6/15/2007	47	A	2323	28.5136
2/6/2008	47	Ae	2324	28.5258
2/16/2008	47	Ae	2325	28.5381
2/18/2008	47	Ae	2326	28.5504
4/20/2008	47	A	2327	28.5627
4/21/2008	47	A	2328	28.5749
4/24/2008	47	A	2329	28.5872
5/3/2008	47	A	2330	28.5995
6/22/2008	47	A	2331	28.6118
6/23/2008	47	A	2332	28.6240
6/24/2008	47	A	2333	28.6363
7/18/2008	47	A	2334	28.6486
11/13/2008	47	A	2335	28.6609
7/18/2009	47	A	2336	28.6731
6/27/2010	47	A	2337	28.6854
5/13/1986	48	A	2338	28.6977
5/14/1986	48	A	2339	28.7100
5/15/1986	48	A	2340	28.7222
5/16/1986	48	A	2341	28.7345
5/17/1986	48	A	2342	28.7468
5/20/1986	48	A	2343	28.7591
6/21/1987	48	A	2344	28.7713
7/9/1987	48	A	2345	28.7836
1/4/1988	48	A	2346	28.7959
6/3/1991	48	A	2347	28.8082
6/7/1991	48	A	2348	28.8204
6/8/1991	48	A	2349	28.8327
8/2/1991	48	A	2350	28.8450
10/15/1991	48	A	2351	28.8572
7/22/1992	48	A	2352	28.8695

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
11/19/1993	48	A	2353	28.8818
7/19/1994	48	A	2354	28.8941
9/19/1994	48	A	2355	28.9063
6/22/1995	48	A	2356	28.9186
7/7/1995	48	A	2357	28.9309
7/7/1996	48	A	2358	28.9432
9/3/1996	48	A	2359	28.9554
7/23/1997	48	A	2360	28.9677
7/31/1998	48	A	2361	28.9800
9/5/1998	48	A	2362	28.9923
12/9/1998	48	A	2363	29.0045
1/23/1999	48	Ae	2364	29.0168
9/14/2001	48	A	2365	29.0291
3/23/2002	48	A	2366	29.0414
10/3/2002	48	A	2367	29.0536
10/13/2004	48	A	2368	29.0659
10/15/2004	48	A	2369	29.0782
11/12/2004	48	A	2370	29.0905
5/22/2006	48	A	2371	29.1027
5/26/2006	48	A	2372	29.1150
6/14/2006	48	A	2373	29.1273
7/21/2006	48	A	2374	29.1396
5/30/2007	48	A	2375	29.1518
5/31/2007	48	A	2376	29.1641
6/13/2007	48	A	2377	29.1764
6/16/2007	48	A	2378	29.1887
8/21/2007	48	Ae	2379	29.2009
3/30/2008	48	Ae	2380	29.2132
3/31/2008	48	Ae	2381	29.2255
4/19/2008	48	A	2382	29.2378
4/22/2008	48	A	2383	29.2500
4/23/2008	48	A	2384	29.2623
11/5/2008	48	A	2385	29.2746
7/17/2009	48	A	2386	29.2869
8/9/2009	48	A	2387	29.2991
6/16/2010	48	A	2388	29.3114
6/26/2010	48	A	2389	29.3237
5/9/1986	49	A	2390	29.3360
5/12/1986	49	A	2391	29.3482
6/22/1987	49	A	2392	29.3605
6/23/1987	49	A	2393	29.3728
6/27/1987	49	A	2394	29.3850
7/22/1987	49	A	2395	29.3973
10/29/1987	49	A	2396	29.4096
12/1/1987	49	A	2397	29.4219
6/13/1988	49	A	2398	29.4341
7/15/1991	49	A	2399	29.4464
8/17/1991	49	A	2400	29.4587
10/4/1991	49	A	2401	29.4710
7/9/1993	49	A	2402	29.4832
7/21/1993	49	A	2403	29.4955
8/9/1993	49	A	2404	29.5078
8/12/1994	49	A	2405	29.5201
8/13/1994	49	A	2406	29.5323
8/30/1994	49	A	2407	29.5446
6/29/1995	49	A	2408	29.5569

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
7/4/1995	49	A	2409	29.5692
6/24/1997	49	A	2410	29.5814
7/5/1997	49	A	2411	29.5937
9/2/1997	49	A	2412	29.6060
7/21/1998	49	A	2413	29.6183
5/27/1999	49	A	2414	29.6305
6/27/1999	49	A	2415	29.6428
7/14/2000	49	A	2416	29.6551
11/22/2000	49	A	2417	29.6674
1/21/2002	49	A	2418	29.6796
3/30/2002	49	A	2419	29.6919
5/22/2002	49	A	2420	29.7042
7/1/2004	49	A	2421	29.7165
7/25/2004	49	A	2422	29.7287
7/27/2004	49	A	2423	29.7410
10/17/2004	49	A	2424	29.7533
5/8/2006	49	A	2425	29.7656
6/10/2006	49	A	2426	29.7778
8/25/2006	49	A	2427	29.7901
6/12/2007	49	A	2428	29.8024
2/17/2008	49	Ae	2429	29.8147
4/15/2008	49	A	2430	29.8269
4/16/2008	49	A	2431	29.8392
4/18/2008	49	A	2432	29.8515
5/2/2008	49	A	2433	29.8638
6/21/2008	49	A	2434	29.8760
9/28/2008	49	A	2435	29.8883
10/12/2009	49	A	2436	29.9006
6/7/2010	49	A	2437	29.9129
5/7/1986	50	A	2438	29.9251
5/8/1986	50	A	2439	29.9374
5/10/1986	50	A	2440	29.9497
5/11/1986	50	A	2441	29.9619
12/4/1986	50	A	2442	29.9742
7/13/1988	50	A	2443	29.9865
6/1/1991	50	A	2444	29.9988
6/6/1991	50	A	2445	30.0110
8/31/1991	50	A	2446	30.0233
9/29/1991	50	A	2447	30.0356
6/30/1992	50	A	2448	30.0479
7/8/1992	50	A	2449	30.0601
7/26/1992	50	A	2450	30.0724
8/1/1992	50	A	2451	30.0847
7/17/1993	50	A	2452	30.0970
6/21/1995	50	A	2453	30.1092
6/27/1995	50	A	2454	30.1215
6/28/1995	50	A	2455	30.1338
8/1/1995	50	A	2456	30.1461
7/6/1996	50	A	2457	30.1583
7/9/1996	50	A	2458	30.1706
9/2/1996	50	A	2459	30.1829
9/8/1996	50	A	2460	30.1952
7/25/1997	50	A	2461	30.2074
9/2/1998	50	A	2462	30.2197
1/20/1999	50	Ae	2463	30.2320
1/31/1999	50	Ae	2464	30.2443

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
7/19/2000	50	A	2465	30.2565
9/20/2001	50	A	2466	30.2688
3/29/2002	50	A	2467	30.2811
10/16/2004	50	A	2468	30.2934
11/8/2004	50	A	2469	30.3056
9/1/2005	50	A	2470	30.3179
5/1/2006	50	A	2471	30.3302
5/6/2006	50	A	2472	30.3425
5/21/2006	50	A	2473	30.3547
7/25/2006	50	A	2474	30.3670
7/29/2006	50	A	2475	30.3793
9/20/2006	50	A	2476	30.3916
5/29/2007	50	A	2477	30.4038
6/11/2007	50	A	2478	30.4161
2/5/2008	50	Ae	2479	30.4284
2/25/2008	50	Ae	2480	30.4407
3/1/2008	50	Ae	2481	30.4529
3/2/2008	50	Ae	2482	30.4652
3/3/2008	50	Ae	2483	30.4775
3/4/2008	50	Ae	2484	30.4898
3/29/2008	50	Ae	2485	30.5020
4/14/2008	50	A	2486	30.5143
4/17/2008	50	A	2487	30.5266
7/15/2009	50	A	2488	30.5388
7/16/2009	50	A	2489	30.5511
8/1/2009	50	A	2490	30.5634
10/11/2009	50	A	2491	30.5757
10/13/2009	50	A	2492	30.5879
10/14/2009	50	A	2493	30.6002
6/19/2010	50	A	2494	30.6125
1/31/2011	50	A	2495	30.6248
5/6/1986	51	A	2496	30.6370
5/23/1986	51	A	2497	30.6493
6/14/1986	51	A	2498	30.6616
12/19/1986	51	A	2499	30.6739
12/24/1986	51	A	2500	30.6861
7/8/1987	51	A	2501	30.6984
6/12/1988	51	A	2502	30.7107
7/26/1988	51	A	2503	30.7230
8/30/1988	51	A	2504	30.7352
5/31/1991	51	A	2505	30.7475
6/30/1991	51	A	2506	30.7598
8/1/1991	51	A	2507	30.7721
11/5/1991	51	A	2508	30.7843
11/6/1991	51	A	2509	30.7966
11/7/1991	51	A	2510	30.8089
11/15/1991	51	A	2511	30.8212
11/16/1991	51	A	2512	30.8334
11/17/1991	51	A	2513	30.8457
11/18/1991	51	A	2514	30.8580
11/19/1991	51	A	2515	30.8703
11/20/1991	51	A	2516	30.8825
11/21/1991	51	A	2517	30.8948
7/1/1992	51	A	2518	30.9071
7/24/1992	51	A	2519	30.9194
7/7/1993	51	A	2520	30.9316

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
7/8/1993	51	A	2521	30.9439
7/14/1993	51	A	2522	30.9562
7/8/1994	51	A	2523	30.9685
8/11/1994	51	A	2524	30.9807
8/29/1994	51	A	2525	30.9930
11/9/1994	51	A	2526	31.0053
11/13/1994	51	A	2527	31.0176
11/14/1994	51	A	2528	31.0298
11/15/1994	51	A	2529	31.0421
11/16/1994	51	A	2530	31.0544
6/20/1995	51	A	2531	31.0667
7/1/1995	51	A	2532	31.0789
6/29/1996	51	A	2533	31.0912
9/5/1996	51	A	2534	31.1035
6/29/1997	51	A	2535	31.1157
7/2/1997	51	A	2536	31.1280
7/4/1997	51	A	2537	31.1403
10/19/1997	51	A	2538	31.1526
6/26/1999	51	A	2539	31.1648
8/15/1999	51	A	2540	31.1771
10/10/1999	51	A	2541	31.1894
10/13/1999	51	A	2542	31.2017
7/13/2000	51	A	2543	31.2139
12/8/2000	51	A	2544	31.2262
12/9/2000	51	A	2545	31.2385
12/10/2000	51	A	2546	31.2508
12/11/2000	51	A	2547	31.2630
12/13/2000	51	A	2548	31.2753
1/4/2001	51	A	2549	31.2876
1/12/2001	51	A	2550	31.2999
1/13/2001	51	A	2551	31.3121
9/23/2001	51	A	2552	31.3244
9/13/2002	51	A	2553	31.3367
9/14/2002	51	A	2554	31.3490
9/23/2002	51	A	2555	31.3612
9/24/2002	51	A	2556	31.3735
9/25/2002	51	A	2557	31.3858
9/29/2002	51	A	2558	31.3981
9/30/2002	51	A	2559	31.4103
10/1/2002	51	A	2560	31.4226
10/2/2002	51	A	2561	31.4349
7/19/2004	51	A	2562	31.4472
7/20/2004	51	A	2563	31.4594
7/26/2004	51	A	2564	31.4717
7/28/2004	51	A	2565	31.4840
10/11/2004	51	A	2566	31.4963
10/12/2004	51	A	2567	31.5085
11/7/2004	51	A	2568	31.5208
8/25/2005	51	A	2569	31.5331
8/26/2005	51	A	2570	31.5454
8/27/2005	51	A	2571	31.5576
8/28/2005	51	A	2572	31.5699
8/29/2005	51	A	2573	31.5822
8/30/2005	51	A	2574	31.5945
8/31/2005	51	A	2575	31.6067
4/12/2006	51	A	2576	31.6190

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
4/29/2006	51	A	2577	31.6313
4/30/2006	51	A	2578	31.6435
5/2/2006	51	A	2579	31.6558
5/3/2006	51	A	2580	31.6681
5/4/2006	51	A	2581	31.6804
5/5/2006	51	A	2582	31.6926
6/8/2006	51	A	2583	31.7049
6/20/2006	51	A	2584	31.7172
7/20/2006	51	A	2585	31.7295
6/9/2007	51	A	2586	31.7417
4/3/2008	51	Ae	2587	31.7540
5/1/2008	51	A	2588	31.7663
7/26/2009	51	A	2589	31.7786
7/29/2009	51	A	2590	31.7908
7/31/2009	51	A	2591	31.8031
8/12/2009	51	A	2592	31.8154
10/9/2009	51	A	2593	31.8277
6/10/2010	51	A	2594	31.8399
6/17/2010	51	A	2595	31.8522
10/1/2010	51	A	2596	31.8645
5/4/1986	52	A	2597	31.8768
5/5/1986	52	A	2598	31.8890
6/17/1987	52	A	2599	31.9013
12/29/1987	52	A	2600	31.9136
1/19/1988	52	A	2601	31.9259
6/8/1988	52	A	2602	31.9381
5/26/1991	52	A	2603	31.9504
5/30/1991	52	A	2604	31.9627
10/30/1991	52	A	2605	31.9750
11/4/1991	52	A	2606	31.9872
11/8/1991	52	A	2607	31.9995
12/1/1991	52	A	2608	32.0118
6/29/1992	52	A	2609	32.0241
7/23/1992	52	A	2610	32.0363
8/28/1994	52	A	2611	32.0486
11/5/1994	52	A	2612	32.0609
11/8/1994	52	A	2613	32.0732
11/12/1994	52	A	2614	32.0854
6/26/1995	52	A	2615	32.0977
7/9/1995	52	A	2616	32.1100
9/6/1996	52	A	2617	32.1223
6/17/1997	52	A	2618	32.1345
6/23/1997	52	A	2619	32.1468
6/26/1997	52	A	2620	32.1591
10/20/1997	52	A	2621	32.1714
8/20/1998	52	A	2622	32.1836
1/22/1999	52	Ae	2623	32.1959
2/6/1999	52	Ae	2624	32.2082
6/12/1999	52	A	2625	32.2204
12/5/1999	52	A	2626	32.2327
7/10/2000	52	A	2627	32.2450
11/21/2000	52	A	2628	32.2573
12/12/2000	52	A	2629	32.2695
1/5/2001	52	A	2630	32.2818
1/7/2001	52	A	2631	32.2941
1/14/2001	52	A	2632	32.3064

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
8/1/2001	52	A	2633	32.3186
9/13/2001	52	A	2634	32.3309
9/10/2002	52	A	2635	32.3432
9/26/2002	52	A	2636	32.3555
7/16/2004	52	A	2637	32.3677
7/30/2004	52	A	2638	32.3800
10/10/2004	52	A	2639	32.3923
10/26/2004	52	A	2640	32.4046
11/27/2004	52	A	2641	32.4168
8/23/2005	52	A	2642	32.4291
8/24/2005	52	A	2643	32.4414
9/18/2005	52	A	2644	32.4537
4/11/2006	52	A	2645	32.4659
6/9/2006	52	A	2646	32.4782
2/20/2008	52	Ae	2647	32.4905
2/29/2008	52	Ae	2648	32.5028
3/25/2008	52	Ae	2649	32.5150
3/26/2008	52	Ae	2650	32.5273
4/2/2008	52	Ae	2651	32.5396
6/20/2008	52	A	2652	32.5519
7/24/2008	52	A	2653	32.5641
7/14/2009	52	A	2654	32.5764
8/14/2009	52	A	2655	32.5887
8/23/2009	52	A	2656	32.6010
10/10/2009	52	A	2657	32.6132
5/3/1986	53	A	2658	32.6255
5/21/1986	53	A	2659	32.6378
12/12/1986	53	A	2660	32.6501
5/27/1991	53	A	2661	32.6623
6/29/1991	53	A	2662	32.6746
7/2/1991	53	A	2663	32.6869
7/12/1991	53	A	2664	32.6992
11/3/1991	53	A	2665	32.7114
11/9/1991	53	A	2666	32.7237
11/22/1991	53	A	2667	32.7360
6/4/1992	53	A	2668	32.7483
7/6/1993	53	A	2669	32.7605
8/8/1993	53	A	2670	32.7728
11/18/1993	53	A	2671	32.7851
11/30/1993	53	A	2672	32.7973
7/25/1994	53	A	2673	32.8096
8/10/1994	53	A	2674	32.8219
11/4/1994	53	A	2675	32.8342
6/3/1995	53	A	2676	32.8464
6/19/1995	53	A	2677	32.8587
7/3/1995	53	A	2678	32.8710
7/31/1995	53	A	2679	32.8833
7/5/1996	53	A	2680	32.8955
9/4/1996	53	A	2681	32.9078
6/16/1997	53	A	2682	32.9201
6/22/1997	53	A	2683	32.9324
7/20/1998	53	A	2684	32.9446
12/13/1998	53	A	2685	32.9569
7/14/1999	53	A	2686	32.9692
10/11/1999	53	A	2687	32.9815
10/12/1999	53	A	2688	32.9937

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
11/20/1999	53	A	2689	33.0060
11/22/1999	53	A	2690	33.0183
11/23/1999	53	A	2691	33.0306
12/4/1999	53	A	2692	33.0428
7/9/2000	53	A	2693	33.0551
7/18/2000	53	A	2694	33.0674
12/7/2000	53	A	2695	33.0797
1/1/2001	53	A	2696	33.0919
1/3/2001	53	A	2697	33.1042
1/6/2001	53	A	2698	33.1165
1/11/2001	53	A	2699	33.1288
7/19/2001	53	A	2700	33.1410
4/13/2006	53	A	2701	33.1533
4/21/2006	53	A	2702	33.1656
4/28/2006	53	A	2703	33.1779
5/18/2006	53	A	2704	33.1901
5/20/2006	53	A	2705	33.2024
9/18/2006	53	A	2706	33.2147
6/8/2007	53	A	2707	33.2270
5/11/2008	53	A	2708	33.2392
6/18/2008	53	A	2709	33.2515
6/19/2008	53	A	2710	33.2638
7/17/2008	53	A	2711	33.2761
7/25/2009	53	A	2712	33.2883
7/28/2009	53	A	2713	33.3006
8/8/2009	53	A	2714	33.3129
8/24/2009	53	A	2715	33.3252
5/1/1986	54	A	2716	33.3374
5/2/1986	54	A	2717	33.3497
5/22/1986	54	A	2718	33.3620
6/7/1988	54	A	2719	33.3742
6/11/1988	54	A	2720	33.3865
6/27/1991	54	A	2721	33.3988
6/28/1991	54	A	2722	33.4111
7/13/1991	54	A	2723	33.4233
10/3/1991	54	A	2724	33.4356
10/16/1991	54	A	2725	33.4479
10/31/1991	54	A	2726	33.4602
11/1/1991	54	A	2727	33.4724
2/13/1992	54	A	2728	33.4847
7/3/1992	54	A	2729	33.4970
7/25/1992	54	A	2730	33.5093
7/5/1993	54	A	2731	33.5215
7/4/1994	54	A	2732	33.5338
7/5/1994	54	A	2733	33.5461
8/26/1994	54	A	2734	33.5584
8/27/1994	54	A	2735	33.5706
9/18/1994	54	A	2736	33.5829
10/30/1994	54	A	2737	33.5952
11/3/1994	54	A	2738	33.6075
11/6/1994	54	A	2739	33.6197
11/10/1994	54	A	2740	33.6320
11/11/1994	54	A	2741	33.6443
6/18/1995	54	A	2742	33.6566
10/6/1995	54	A	2743	33.6688
10/21/1995	54	A	2744	33.6811

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
12/3/1995	54	A	2745	33.6934
12/4/1995	54	A	2746	33.7057
12/5/1995	54	A	2747	33.7179
6/28/1996	54	A	2748	33.7302
9/1/1996	54	A	2749	33.7425
6/13/1997	54	A	2750	33.7548
6/18/1997	54	A	2751	33.7670
6/25/1999	54	A	2752	33.7793
11/24/1999	54	A	2753	33.7916
12/2/1999	54	A	2754	33.8039
7/12/2000	54	A	2755	33.8161
11/17/2000	54	A	2756	33.8284
11/18/2000	54	A	2757	33.8407
11/19/2000	54	A	2758	33.8530
11/20/2000	54	A	2759	33.8652
12/3/2000	54	A	2760	33.8775
12/4/2000	54	A	2761	33.8898
12/5/2000	54	A	2762	33.9020
12/6/2000	54	A	2763	33.9143
1/8/2001	54	A	2764	33.9266
9/9/2001	54	A	2765	33.9389
9/10/2001	54	A	2766	33.9511
9/11/2001	54	A	2767	33.9634
9/12/2001	54	A	2768	33.9757
9/25/2001	54	A	2769	33.9880
9/26/2001	54	A	2770	34.0002
1/20/2002	54	A	2771	34.0125
9/11/2002	54	A	2772	34.0248
9/12/2002	54	A	2773	34.0371
9/20/2002	54	A	2774	34.0493
9/21/2002	54	A	2775	34.0616
9/22/2002	54	A	2776	34.0739
9/28/2002	54	A	2777	34.0862
6/23/2004	54	A	2778	34.0984
6/24/2004	54	A	2779	34.1107
6/25/2004	54	A	2780	34.1230
6/26/2004	54	A	2781	34.1353
6/27/2004	54	A	2782	34.1475
6/28/2004	54	A	2783	34.1598
6/29/2004	54	A	2784	34.1721
6/30/2004	54	A	2785	34.1844
10/6/2004	54	A	2786	34.1966
10/7/2004	54	A	2787	34.2089
10/8/2004	54	A	2788	34.2212
10/9/2004	54	A	2789	34.2335
10/23/2004	54	A	2790	34.2457
10/24/2004	54	A	2791	34.2580
10/25/2004	54	A	2792	34.2703
11/19/2004	54	A	2793	34.2826
11/20/2004	54	A	2794	34.2948
11/21/2004	54	A	2795	34.3071
11/22/2004	54	A	2796	34.3194
11/23/2004	54	A	2797	34.3317
11/24/2004	54	A	2798	34.3439
11/26/2004	54	A	2799	34.3562
4/6/2006	54	A	2800	34.3685

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
4/7/2006	54	A	2801	34.3808
4/19/2006	54	A	2802	34.3930
4/20/2006	54	A	2803	34.4053
4/27/2006	54	A	2804	34.4176
6/15/2006	54	A	2805	34.4299
7/19/2006	54	A	2806	34.4421
9/19/2006	54	A	2807	34.4544
5/28/2007	54	A	2808	34.4667
8/17/2007	54	Ae	2809	34.4789
2/24/2008	54	Ae	2810	34.4912
2/26/2008	54	Ae	2811	34.5035
3/28/2008	54	Ae	2812	34.5158
4/13/2008	54	A	2813	34.5280
6/15/2008	54	A	2814	34.5403
6/16/2008	54	A	2815	34.5526
7/16/2008	54	A	2816	34.5649
7/27/2009	54	A	2817	34.5771
7/30/2009	54	A	2818	34.5894
9/2/2009	54	A	2819	34.6017
9/10/2009	54	A	2820	34.6140
9/26/2009	54	A	2821	34.6262
10/8/2009	54	A	2822	34.6385
6/4/2010	54	A	2823	34.6508
6/20/2010	54	A	2824	34.6631
9/28/2010	54	A	2825	34.6753
1/30/2011	54	A	2826	34.6876
6/9/1988	55	A	2827	34.6999
5/25/1991	55	A	2828	34.7122
7/6/1991	55	A	2829	34.7244
7/14/1991	55	A	2830	34.7367
7/25/1991	55	A	2831	34.7490
7/31/1991	55	A	2832	34.7613
8/30/1991	55	A	2833	34.7735
10/29/1991	55	A	2834	34.7858
11/2/1991	55	A	2835	34.7981
11/24/1991	55	A	2836	34.8104
6/28/1992	55	A	2837	34.8226
7/6/1992	55	A	2838	34.8349
6/25/1993	55	A	2839	34.8472
7/7/1994	55	A	2840	34.8595
8/9/1994	55	A	2841	34.8717
1/5/1995	55	A	2842	34.8840
1/6/1995	55	A	2843	34.8963
4/23/1995	55	A	2844	34.9086
6/2/1995	55	A	2845	34.9208
6/11/1995	55	A	2846	34.9331
6/23/1995	55	A	2847	34.9454
7/2/1995	55	A	2848	34.9577
11/13/1995	55	A	2849	34.9699
11/27/1995	55	A	2850	34.9822
12/14/1995	55	A	2851	34.9945
7/12/1996	55	A	2852	35.0068
8/9/1996	55	A	2853	35.0190
6/12/1997	55	A	2854	35.0313
6/14/1997	55	A	2855	35.0436
7/3/1997	55	A	2856	35.0558

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
7/19/1998	55	A	2857	35.0681
1/30/1999	55	Ae	2858	35.0804
5/26/1999	55	A	2859	35.0927
10/9/1999	55	A	2860	35.1049
11/18/1999	55	A	2861	35.1172
6/11/2000	55	A	2862	35.1295
12/27/2000	55	A	2863	35.1418
12/31/2000	55	A	2864	35.1540
1/18/2001	55	A	2865	35.1663
7/26/2001	55	A	2866	35.1786
9/8/2001	55	A	2867	35.1909
1/8/2002	55	A	2868	35.2031
3/22/2002	55	A	2869	35.2154
5/17/2002	55	A	2870	35.2277
9/19/2002	55	A	2871	35.2400
10/15/2002	55	A	2872	35.2522
6/22/2004	55	A	2873	35.2645
10/5/2004	55	A	2874	35.2768
10/22/2004	55	A	2875	35.2891
8/22/2005	55	A	2876	35.3013
4/10/2006	55	A	2877	35.3136
4/26/2006	55	A	2878	35.3259
7/22/2006	55	A	2879	35.3382
10/16/2006	55	A	2880	35.3504
6/7/2007	55	A	2881	35.3627
2/4/2008	55	Ae	2882	35.3750
3/24/2008	55	Ae	2883	35.3873
4/1/2008	55	Ae	2884	35.3995
4/28/2008	55	A	2885	35.4118
6/14/2008	55	A	2886	35.4241
6/17/2008	55	A	2887	35.4364
11/8/2008	55	A	2888	35.4486
8/29/2009	55	A	2889	35.4609
9/27/2010	55	A	2890	35.4732
1/26/2011	55	A	2891	35.4855
8/21/1986	56	A	2892	35.4977
6/6/1988	56	A	2893	35.5100
6/17/1991	56	A	2894	35.5223
7/3/1991	56	A	2895	35.5346
7/4/1991	56	A	2896	35.5468
11/14/1991	56	A	2897	35.5591
2/12/1992	56	A	2898	35.5714
6/18/1992	56	A	2899	35.5837
6/23/1992	56	A	2900	35.5959
7/7/1992	56	A	2901	35.6082
9/27/1993	56	A	2902	35.6205
9/28/1993	56	A	2903	35.6327
6/26/1994	56	A	2904	35.6450
7/3/1994	56	A	2905	35.6573
7/6/1994	56	A	2906	35.6696
8/25/1994	56	A	2907	35.6818
10/29/1994	56	A	2908	35.6941
10/31/1994	56	A	2909	35.7064
11/7/1994	56	A	2910	35.7187
6/1/1995	56	A	2911	35.7309
6/17/1995	56	A	2912	35.7432

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
6/25/1995	56	A	2913	35.7555
11/26/1995	56	A	2914	35.7678
12/1/1995	56	A	2915	35.7800
12/2/1995	56	A	2916	35.7923
12/6/1995	56	A	2917	35.8046
12/12/1995	56	A	2918	35.8169
12/13/1995	56	A	2919	35.8291
8/30/1996	56	A	2920	35.8414
8/31/1996	56	A	2921	35.8537
6/11/1997	56	A	2922	35.8660
6/15/1997	56	A	2923	35.8782
7/13/1998	56	A	2924	35.8905
10/10/1998	56	A	2925	35.9028
11/19/1999	56	A	2926	35.9151
11/21/1999	56	A	2927	35.9273
7/8/2000	56	A	2928	35.9396
12/28/2000	56	A	2929	35.9519
12/29/2000	56	A	2930	35.9642
12/30/2000	56	A	2931	35.9764
1/2/2001	56	A	2932	35.9887
1/17/2001	56	A	2933	36.0010
7/11/2001	56	A	2934	36.0133
9/22/2001	56	A	2935	36.0255
4/21/2002	56	A	2936	36.0378
9/27/2002	56	A	2937	36.0501
11/18/2004	56	A	2938	36.0624
11/25/2004	56	A	2939	36.0746
4/18/2006	56	A	2940	36.0869
5/19/2006	56	A	2941	36.0992
6/7/2006	56	A	2942	36.1115
5/27/2007	56	A	2943	36.1237
2/28/2008	56	Ae	2944	36.1360
7/13/2009	56	A	2945	36.1483
10/6/2009	56	A	2946	36.1605
6/3/2010	56	A	2947	36.1728
6/6/2010	56	A	2948	36.1851
6/10/1988	57	A	2949	36.1974
6/26/1991	57	A	2950	36.2096
8/29/1991	57	A	2951	36.2219
9/20/1991	57	A	2952	36.2342
9/28/1991	57	A	2953	36.2465
2/6/1992	57	A	2954	36.2587
2/7/1992	57	A	2955	36.2710
2/10/1992	57	A	2956	36.2833
2/11/1992	57	A	2957	36.2956
2/14/1992	57	A	2958	36.3078
5/23/1992	57	A	2959	36.3201
6/3/1992	57	A	2960	36.3324
7/5/1992	57	A	2961	36.3447
8/22/1993	57	A	2962	36.3569
9/26/1993	57	A	2963	36.3692
8/14/1994	57	A	2964	36.3815
10/22/1994	57	A	2965	36.3938
10/28/1994	57	A	2966	36.4060
12/31/1994	57	A	2967	36.4183
4/29/1995	57	A	2968	36.4306

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
7/29/1995	57	A	2969	36.4429
7/30/1995	57	A	2970	36.4551
11/23/1995	57	A	2971	36.4674
11/24/1995	57	A	2972	36.4797
11/25/1995	57	A	2973	36.4920
11/28/1995	57	A	2974	36.5042
12/15/1995	57	A	2975	36.5165
8/7/1996	57	A	2976	36.5288
6/21/1997	57	A	2977	36.5411
7/16/1998	57	A	2978	36.5533
7/17/1998	57	A	2979	36.5656
7/18/1998	57	A	2980	36.5779
11/12/1999	57	A	2981	36.5902
7/11/2000	57	A	2982	36.6024
8/3/2000	57	A	2983	36.6147
12/1/2000	57	A	2984	36.6270
12/2/2000	57	A	2985	36.6393
12/26/2000	57	A	2986	36.6515
1/10/2001	57	A	2987	36.6638
1/15/2001	57	A	2988	36.6761
1/16/2001	57	A	2989	36.6884
9/21/2001	57	A	2990	36.7006
4/20/2002	57	A	2991	36.7129
4/24/2002	57	A	2992	36.7252
5/21/2002	57	A	2993	36.7374
9/9/2002	57	A	2994	36.7497
9/15/2002	57	A	2995	36.7620
10/24/2002	57	A	2996	36.7743
10/25/2002	57	A	2997	36.7865
7/15/2004	57	A	2998	36.7988
7/29/2004	57	A	2999	36.8111
9/25/2004	57	A	3000	36.8234
9/26/2004	57	A	3001	36.8356
9/27/2004	57	A	3002	36.8479
9/28/2004	57	A	3003	36.8602
10/1/2004	57	A	3004	36.8725
11/6/2004	57	A	3005	36.8847
4/5/2006	57	A	3006	36.8970
4/8/2006	57	A	3007	36.9093
4/9/2006	57	A	3008	36.9216
4/14/2006	57	A	3009	36.9338
4/17/2006	57	A	3010	36.9461
8/4/2006	57	Ae	3011	36.9584
10/26/2006	57	A	3012	36.9707
6/13/2008	57	A	3013	36.9829
8/5/2009	57	A	3014	36.9952
8/6/2009	57	A	3015	37.0075
9/21/2009	57	A	3016	37.0198
9/25/2009	57	A	3017	37.0320
10/7/2009	57	A	3018	37.0443
10/4/2010	57	A	3019	37.0566
6/16/1987	58	A	3020	37.0689
5/29/1991	58	A	3021	37.0811
7/11/1991	58	A	3022	37.0934
7/30/1991	58	A	3023	37.1057
8/26/1991	58	A	3024	37.1180

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
8/27/1991	58	A	3025	37.1302
8/28/1991	58	A	3026	37.1425
2/8/1992	58	A	3027	37.1548
5/3/1992	58	A	3028	37.1671
5/24/1992	58	A	3029	37.1793
5/30/1992	58	A	3030	37.1916
6/17/1992	58	A	3031	37.2039
7/4/1993	58	A	3032	37.2162
10/27/1993	58	A	3033	37.2284
10/28/1993	58	A	3034	37.2407
7/24/1994	58	A	3035	37.2530
12/25/1994	58	A	3036	37.2653
12/30/1994	58	A	3037	37.2775
1/4/1995	58	A	3038	37.2898
11/22/1995	58	A	3039	37.3021
12/11/1995	58	A	3040	37.3143
1/24/1999	58	Ae	3041	37.3266
5/25/1999	58	Ae	3042	37.3389
11/11/1999	58	A	3043	37.3512
11/15/1999	58	A	3044	37.3634
6/4/2000	58	A	3045	37.3757
6/12/2000	58	A	3046	37.3880
7/17/2000	58	A	3047	37.4003
12/25/2000	58	A	3048	37.4125
9/7/2001	58	A	3049	37.4248
3/18/2002	58	A	3050	37.4371
4/27/2002	58	A	3051	37.4494
10/22/2002	58	A	3052	37.4616
6/21/2004	58	A	3053	37.4739
9/24/2004	58	A	3054	37.4862
9/30/2004	58	A	3055	37.4985
10/2/2004	58	A	3056	37.5107
10/4/2004	58	A	3057	37.5230
5/14/2006	58	A	3058	37.5353
5/17/2006	58	A	3059	37.5476
6/6/2006	58	A	3060	37.5598
10/11/2006	58	A	3061	37.5721
10/15/2006	58	A	3062	37.5844
10/25/2006	58	A	3063	37.5967
5/25/2007	58	A	3064	37.6089
6/6/2007	58	A	3065	37.6212
2/23/2008	58	Ae	3066	37.6335
3/27/2008	58	Ae	3067	37.6458
4/11/2008	58	A	3068	37.6580
4/12/2008	58	A	3069	37.6703
9/26/2008	58	A	3070	37.6826
11/23/2008	58	A	3071	37.6949
11/24/2008	58	A	3072	37.7071
7/24/2009	58	A	3073	37.7194
8/13/2009	58	A	3074	37.7317
9/22/2009	58	A	3075	37.7440
10/5/2009	58	A	3076	37.7562
6/1/2010	58	A	3077	37.7685
6/5/1988	59	A	3078	37.7808
7/5/1991	59	A	3079	37.7931
8/16/1991	59	A	3080	37.8053

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
10/28/1991	59	A	3081	37.8176
2/3/1992	59	A	3082	37.8299
2/9/1992	59	A	3083	37.8422
5/4/1992	59	A	3084	37.8544
6/24/1992	59	A	3085	37.8667
6/24/1993	59	A	3086	37.8790
6/26/1993	59	A	3087	37.8912
10/31/1993	59	A	3088	37.9035
7/2/1994	59	A	3089	37.9158
8/8/1994	59	A	3090	37.9281
10/21/1994	59	A	3091	37.9403
10/27/1994	59	A	3092	37.9526
11/2/1994	59	A	3093	37.9649
12/26/1994	59	A	3094	37.9772
1/3/1995	59	A	3095	37.9894
4/28/1995	59	A	3096	38.0017
5/31/1995	59	A	3097	38.0140
6/5/1995	59	A	3098	38.0263
6/10/1995	59	A	3099	38.0385
6/24/1995	59	A	3100	38.0508
10/15/1995	59	A	3101	38.0631
12/7/1995	59	A	3102	38.0754
6/16/1996	59	A	3103	38.0876
6/27/1996	59	A	3104	38.0999
7/4/1996	59	A	3105	38.1122
8/10/1996	59	A	3106	38.1245
8/12/1996	59	A	3107	38.1367
8/26/1996	59	A	3108	38.1490
6/28/1997	59	A	3109	38.1613
6/21/1998	59	A	3110	38.1736
6/13/1999	59	A	3111	38.1858
11/25/1999	59	A	3112	38.1981
12/3/1999	59	A	3113	38.2104
3/10/2000	59	A	3114	38.2227
6/5/2000	59	A	3115	38.2349
8/2/2000	59	A	3116	38.2472
1/9/2001	59	A	3117	38.2595
3/20/2002	59	A	3118	38.2718
3/28/2002	59	A	3119	38.2840
5/16/2002	59	A	3120	38.2963
5/18/2002	59	A	3121	38.3086
10/23/2002	59	A	3122	38.3209
8/21/2005	59	A	3123	38.3331
4/3/2006	59	A	3124	38.3454
10/10/2006	59	A	3125	38.3577
10/24/2006	59	A	3126	38.3700
2/15/2008	59	Ae	3127	38.3822
4/8/2008	59	A	3128	38.3945
4/9/2008	59	A	3129	38.4068
4/10/2008	59	A	3130	38.4190
4/30/2008	59	A	3131	38.4313
7/15/2008	59	A	3132	38.4436
3/24/2009	59	A	3133	38.4559
7/12/2009	59	A	3134	38.4681
8/2/2009	59	A	3135	38.4804
9/20/2009	59	A	3136	38.4927

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
6/2/2010	59	A	3137	38.5050
1/19/2011	59	A	3138	38.5172
5/24/1991	60	A	3139	38.5295
6/22/1991	60	A	3140	38.5418
7/10/1991	60	A	3141	38.5541
9/25/1991	60	A	3142	38.5663
10/24/1991	60	A	3143	38.5786
10/25/1991	60	A	3144	38.5909
10/26/1991	60	A	3145	38.6032
10/27/1991	60	A	3146	38.6154
2/2/1992	60	A	3147	38.6277
2/5/1992	60	A	3148	38.6400
5/5/1992	60	A	3149	38.6523
5/6/1992	60	A	3150	38.6645
5/29/1992	60	A	3151	38.6768
6/19/1992	60	A	3152	38.6891
6/22/1992	60	A	3153	38.7014
6/25/1992	60	A	3154	38.7136
7/20/1993	60	A	3155	38.7259
6/14/1994	60	A	3156	38.7382
6/29/1994	60	A	3157	38.7505
8/24/1994	60	A	3158	38.7627
10/17/1994	60	A	3159	38.7750
10/18/1994	60	A	3160	38.7873
10/19/1994	60	A	3161	38.7996
10/20/1994	60	A	3162	38.8118
12/3/1994	60	A	3163	38.8241
12/27/1994	60	A	3164	38.8364
12/28/1994	60	A	3165	38.8487
4/21/1995	60	A	3166	38.8609
4/22/1995	60	A	3167	38.8732
7/8/1995	60	A	3168	38.8855
11/20/1995	60	A	3169	38.8978
11/21/1995	60	A	3170	38.9100
11/29/1995	60	A	3171	38.9223
11/30/1995	60	A	3172	38.9346
12/8/1995	60	A	3173	38.9469
12/30/1995	60	A	3174	38.9591
6/17/1996	60	A	3175	38.9714
6/24/1996	60	A	3176	38.9837
6/30/1996	60	A	3177	38.9959
7/25/1996	60	A	3178	39.0082
8/6/1996	60	A	3179	39.0205
8/8/1996	60	A	3180	39.0328
8/27/1996	60	A	3181	39.0450
8/29/1996	60	A	3182	39.0573
6/10/1997	60	A	3183	39.0696
1/29/1999	60	Ae	3184	39.0819
2/1/1999	60	Ae	3185	39.0941
2/5/1999	60	Ae	3186	39.1064
2/7/1999	60	Ae	3187	39.1187
2/12/1999	60	Ae	3188	39.1310
2/15/1999	60	A	3189	39.1432
2/16/1999	60	A	3190	39.1555
5/23/1999	60	A	3191	39.1678
6/24/1999	60	A	3192	39.1801

Millsboro Q Frequencies	Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
	10/4/1999	60	A	3193	39.1923
	10/7/1999	60	A	3194	39.2046
	10/8/1999	60	A	3195	39.2169
	10/17/1999	60	A	3196	39.2292
	11/13/1999	60	A	3197	39.2414
	12/1/1999	60	A	3198	39.2537
	1/15/2000	60	A	3199	39.2660
	1/23/2000	60	A	3200	39.2783
	1/29/2000	60	A	3201	39.2905
	6/10/2000	60	A	3202	39.3028
	6/27/2000	60	A	3203	39.3151
	7/7/2000	60	A	3204	39.3274
	7/24/2000	60	A	3205	39.3396
	8/10/2000	60	A	3206	39.3519
	10/31/2000	60	A	3207	39.3642
	11/1/2000	60	A	3208	39.3765
	11/2/2000	60	A	3209	39.3887
	11/3/2000	60	A	3210	39.4010
	11/4/2000	60	A	3211	39.4133
	11/6/2000	60	A	3212	39.4256
	11/7/2000	60	A	3213	39.4378
	11/8/2000	60	A	3214	39.4501
	11/12/2000	60	A	3215	39.4624
	11/13/2000	60	A	3216	39.4747
	11/16/2000	60	A	3217	39.4869
	7/9/2001	60	A	3218	39.4992
	7/10/2001	60	A	3219	39.5115
	4/19/2002	60	A	3220	39.5238
	4/23/2002	60	A	3221	39.5360
	5/20/2002	60	A	3222	39.5483
	9/8/2002	60	A	3223	39.5606
	9/18/2002	60	A	3224	39.5728
	6/20/2004	60	A	3225	39.5851
	10/3/2004	60	A	3226	39.5974
	11/17/2004	60	A	3227	39.6097
	12/4/2004	60	A	3228	39.6219
	12/5/2004	60	A	3229	39.6342
	12/6/2004	60	A	3230	39.6465
	8/20/2005	60	A	3231	39.6588
	4/16/2006	60	A	3232	39.6710
	7/18/2006	60	A	3233	39.6833
	5/24/2007	60	A	3234	39.6956
	2/13/2008	60	Ae	3235	39.7079
	2/27/2008	60	Ae	3236	39.7201
	3/7/2008	60	Ae	3237	39.7324
	3/23/2008	60	Ae	3238	39.7447
	6/12/2008	60	A	3239	39.7570
	7/14/2008	60	A	3240	39.7692
	11/22/2008	60	A	3241	39.7815
	3/25/2009	60	A	3242	39.7938
	9/24/2009	60	A	3243	39.8061
	6/24/2010	60	A	3244	39.8183
	7/24/1991	61	A	3245	39.8306
	11/13/1991	61	A	3246	39.8429
	11/23/1991	61	A	3247	39.8552
	2/4/1992	61	A	3248	39.8674

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
5/7/1992	61	A	3249	39.8797
5/25/1992	61	A	3250	39.8920
6/27/1992	61	A	3251	39.9043
11/28/1993	61	A	3252	39.9165
6/27/1994	61	A	3253	39.9288
8/21/1994	61	A	3254	39.9411
10/26/1994	61	A	3255	39.9534
11/1/1994	61	A	3256	39.9656
11/17/1994	61	A	3257	39.9779
12/2/1994	61	A	3258	39.9902
12/4/1994	61	A	3259	40.0025
12/29/1994	61	A	3260	40.0147
4/27/1995	61	A	3261	40.0270
6/6/1995	61	A	3262	40.0393
7/28/1995	61	A	3263	40.0516
10/5/1995	61	A	3264	40.0638
12/28/1995	61	A	3265	40.0761
12/29/1995	61	A	3266	40.0884
12/31/1995	61	A	3267	40.1007
7/15/1998	61	A	3268	40.1129
9/4/1998	61	A	3269	40.1252
10/9/1998	61	A	3270	40.1375
5/24/1999	61	A	3271	40.1497
10/3/1999	61	A	3272	40.1620
11/1/1999	61	A	3273	40.1743
11/9/1999	61	A	3274	40.1866
11/30/1999	61	A	3275	40.1988
1/14/2000	61	A	3276	40.2111
1/24/2000	61	A	3277	40.2234
3/11/2000	61	Ae	3278	40.2357
7/23/2000	61	A	3279	40.2479
7/25/2000	61	A	3280	40.2602
8/4/2000	61	A	3281	40.2725
11/5/2000	61	A	3282	40.2848
11/9/2000	61	A	3283	40.2970
11/30/2000	61	A	3284	40.3093
12/24/2000	61	A	3285	40.3216
9/6/2001	61	A	3286	40.3339
4/8/2002	61	A	3287	40.3461
4/9/2002	61	A	3288	40.3584
9/7/2002	61	A	3289	40.3707
6/19/2004	61	A	3290	40.3830
9/23/2004	61	A	3291	40.3952
8/6/2005	61	A	3292	40.4075
8/19/2005	61	A	3293	40.4198
11/9/2005	61	Ae	3294	40.4321
11/11/2005	61	A	3295	40.4443
4/4/2006	61	A	3296	40.4566
4/15/2006	61	A	3297	40.4689
7/24/2006	61	A	3298	40.4812
9/13/2006	61	Ae	3299	40.4934
9/17/2006	61	A	3300	40.5057
10/22/2006	61	A	3301	40.5180
10/23/2006	61	A	3302	40.5303
10/27/2006	61	A	3303	40.5425
5/26/2007	61	A	3304	40.5548

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
3/23/2009	61	A	3305	40.5671
8/4/2009	61	A	3306	40.5794
9/23/2009	61	A	3307	40.5916
5/31/2010	61	A	3308	40.6039
6/25/2010	61	A	3309	40.6162
1/29/2011	61	A	3310	40.6285
7/7/1987	62	A	3311	40.6407
6/2/1988	62	A	3312	40.6530
6/4/1988	62	A	3313	40.6653
5/28/1991	62	A	3314	40.6776
8/25/1991	62	A	3315	40.6898
10/23/1991	62	A	3316	40.7021
5/26/1992	62	A	3317	40.7144
5/28/1992	62	A	3318	40.7266
6/16/1992	62	A	3319	40.7389
7/2/1992	62	A	3320	40.7512
6/13/1994	62	A	3321	40.7635
10/16/1994	62	A	3322	40.7757
4/18/1995	62	A	3323	40.7880
4/20/1995	62	A	3324	40.8003
11/19/1995	62	A	3325	40.8126
6/26/1996	62	A	3326	40.8248
8/25/1996	62	A	3327	40.8371
8/28/1996	62	A	3328	40.8494
6/9/1997	62	A	3329	40.8617
12/14/1998	62	A	3330	40.8739
2/17/1999	62	A	3331	40.8862
3/8/1999	62	A	3332	40.8985
3/9/1999	62	A	3333	40.9108
3/13/1999	62	A	3334	40.9230
11/10/1999	62	A	3335	40.9353
11/16/1999	62	A	3336	40.9476
11/17/1999	62	A	3337	40.9599
1/16/2000	62	A	3338	40.9721
1/28/2000	62	A	3339	40.9844
6/3/2000	62	A	3340	40.9967
7/15/2000	62	A	3341	41.0090
10/30/2000	62	A	3342	41.0212
11/14/2000	62	A	3343	41.0335
11/15/2000	62	A	3344	41.0458
12/14/2000	62	A	3345	41.0581
7/8/2001	62	A	3346	41.0703
3/19/2002	62	A	3347	41.0826
4/7/2002	62	A	3348	41.0949
4/17/2002	62	A	3349	41.1072
4/18/2002	62	A	3350	41.1194
7/14/2004	62	A	3351	41.1317
9/29/2004	62	A	3352	41.1440
10/21/2004	62	A	3353	41.1563
8/5/2005	62	A	3354	41.1685
11/7/2005	62	Ae	3355	41.1808
11/8/2005	62	Ae	3356	41.1931
11/13/2005	62	A	3357	41.2054
11/14/2005	62	A	3358	41.2176
4/25/2006	62	A	3359	41.2299
5/15/2006	62	A	3360	41.2422

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
5/16/2006	62	A	3361	41.2544
10/17/2006	62	A	3362	41.2667
5/23/2007	62	A	3363	41.2790
2/19/2008	62	Ae	3364	41.2913
11/20/2008	62	A	3365	41.3035
11/21/2008	62	A	3366	41.3158
3/22/2009	62	A	3367	41.3281
7/11/2009	62	A	3368	41.3404
8/7/2009	62	A	3369	41.3526
6/15/1987	63	A	3370	41.3649
1/29/1988	63	A	3371	41.3772
1/30/1988	63	A	3372	41.3895
7/23/1991	63	A	3373	41.4017
1/20/1992	63	A	3374	41.4140
5/2/1992	63	A	3375	41.4263
5/22/1992	63	A	3376	41.4386
6/15/1992	63	A	3377	41.4508
6/21/1992	63	A	3378	41.4631
7/4/1992	63	A	3379	41.4754
6/11/1994	63	A	3380	41.4877
7/26/1994	63	A	3381	41.4999
1/1/1995	63	A	3382	41.5122
1/2/1995	63	A	3383	41.5245
4/19/1995	63	A	3384	41.5368
4/30/1995	63	A	3385	41.5490
5/28/1995	63	A	3386	41.5613
5/29/1995	63	A	3387	41.5736
5/30/1995	63	A	3388	41.5859
6/16/1995	63	A	3389	41.5981
9/18/1995	63	A	3390	41.6104
10/22/1995	63	A	3391	41.6227
12/27/1995	63	A	3392	41.6350
6/24/1998	63	Ae	3393	41.6472
7/12/1998	63	A	3394	41.6595
2/14/1999	63	A	3395	41.6718
10/6/1999	63	A	3396	41.6841
10/31/1999	63	A	3397	41.6963
11/14/1999	63	A	3398	41.7086
11/29/1999	63	A	3399	41.7209
12/10/1999	63	A	3400	41.7332
1/19/2000	63	A	3401	41.7454
1/22/2000	63	A	3402	41.7577
1/30/2000	63	A	3403	41.7700
3/16/2000	63	A	3404	41.7823
6/26/2000	63	A	3405	41.7945
7/6/2000	63	A	3406	41.8068
8/9/2000	63	A	3407	41.8191
12/16/2000	63	A	3408	41.8313
12/22/2000	63	A	3409	41.8436
12/23/2000	63	A	3410	41.8559
7/5/2001	63	A	3411	41.8682
4/22/2002	63	A	3412	41.8804
5/15/2002	63	A	3413	41.8927
10/20/2004	63	A	3414	41.9050
11/6/2005	63	Ae	3415	41.9173
11/12/2005	63	A	3416	41.9295

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
9/12/2006	63	Ae	3417	41.9418
10/14/2006	63	A	3418	41.9541
2/3/2008	63	Ae	3419	41.9664
4/7/2008	63	A	3420	41.9786
11/14/2008	63	A	3421	41.9909
3/26/2009	63	A	3422	42.0032
4/5/2009	63	A	3423	42.0155
7/22/2009	63	A	3424	42.0277
7/23/2009	63	A	3425	42.0400
10/4/2009	63	A	3426	42.0523
1/28/1988	64	A	3427	42.0646
1/31/1988	64	A	3428	42.0768
2/1/1988	64	A	3429	42.0891
6/1/1988	64	A	3430	42.1014
6/21/1991	64	A	3431	42.1137
10/22/1991	64	A	3432	42.1259
1/27/1992	64	A	3433	42.1382
1/31/1992	64	A	3434	42.1505
2/1/1992	64	A	3435	42.1628
5/21/1992	64	A	3436	42.1750
6/20/1992	64	A	3437	42.1873
12/8/1992	64	A	3438	42.1996
12/9/1992	64	A	3439	42.2119
6/19/1993	64	A	3440	42.2241
6/20/1993	64	A	3441	42.2364
7/2/1993	64	A	3442	42.2487
7/3/1993	64	A	3443	42.2610
6/12/1994	64	A	3444	42.2732
10/14/1994	64	A	3445	42.2855
11/20/1994	64	A	3446	42.2978
12/9/1994	64	A	3447	42.3101
12/22/1994	64	A	3448	42.3223
4/11/1995	64	A	3449	42.3346
4/12/1995	64	A	3450	42.3469
4/17/1995	64	A	3451	42.3592
5/25/1995	64	A	3452	42.3714
6/4/1995	64	A	3453	42.3837
6/12/1995	64	A	3454	42.3960
11/12/1995	64	A	3455	42.4082
11/18/1995	64	A	3456	42.4205
12/9/1995	64	A	3457	42.4328
12/18/1995	64	A	3458	42.4451
12/26/1995	64	A	3459	42.4573
6/23/1996	64	A	3460	42.4696
7/24/1996	64	A	3461	42.4819
7/30/1996	64	A	3462	42.4942
10/7/1996	64	A	3463	42.5064
7/6/1998	64	A	3464	42.5187
2/23/1999	64	A	3465	42.5310
5/14/1999	64	A	3466	42.5433
5/15/1999	64	A	3467	42.5555
5/17/1999	64	A	3468	42.5678
7/13/1999	64	A	3469	42.5801
9/29/1999	64	A	3470	42.5924
10/5/1999	64	A	3471	42.6046
11/6/1999	64	A	3472	42.6169

Millsboro Q Frequencies	Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
	11/8/1999	64	A	3473	42.6292
	12/12/1999	64	A	3474	42.6415
	1/18/2000	64	A	3475	42.6537
	2/4/2000	64	A	3476	42.6660
	3/6/2000	64	A	3477	42.6783
	3/7/2000	64	A	3478	42.6906
	3/9/2000	64	A	3479	42.7028
	3/13/2000	64	Ae	3480	42.7151
	3/14/2000	64	Ae	3481	42.7274
	3/15/2000	64	Ae	3482	42.7397
	5/20/2000	64	A	3483	42.7519
	6/9/2000	64	A	3484	42.7642
	6/14/2000	64	A	3485	42.7765
	6/17/2000	64	A	3486	42.7888
	7/5/2000	64	A	3487	42.8010
	7/31/2000	64	A	3488	42.8133
	10/12/2000	64	A	3489	42.8256
	10/13/2000	64	A	3490	42.8379
	10/14/2000	64	A	3491	42.8501
	10/15/2000	64	A	3492	42.8624
	10/16/2000	64	A	3493	42.8747
	10/17/2000	64	A	3494	42.8870
	10/22/2000	64	A	3495	42.8992
	10/23/2000	64	A	3496	42.9115
	10/24/2000	64	A	3497	42.9238
	10/25/2000	64	A	3498	42.9361
	10/26/2000	64	A	3499	42.9483
	10/27/2000	64	A	3500	42.9606
	10/28/2000	64	A	3501	42.9729
	10/29/2000	64	A	3502	42.9851
	11/11/2000	64	A	3503	42.9974
	11/29/2000	64	A	3504	43.0097
	12/20/2000	64	A	3505	43.0220
	12/21/2000	64	A	3506	43.0342
	7/4/2001	64	A	3507	43.0465
	4/6/2002	64	A	3508	43.0588
	5/13/2002	64	A	3509	43.0711
	5/19/2002	64	A	3510	43.0833
	9/6/2002	64	A	3511	43.0956
	10/14/2002	64	A	3512	43.1079
	10/21/2002	64	A	3513	43.1202
	8/13/2004	64	A	3514	43.1324
	9/22/2004	64	A	3515	43.1447
	11/5/2004	64	A	3516	43.1570
	12/7/2004	64	A	3517	43.1693
	12/9/2004	64	A	3518	43.1815
	8/15/2005	64	A	3519	43.1938
	8/16/2005	64	A	3520	43.2061
	8/18/2005	64	A	3521	43.2184
	10/18/2005	64	A	3522	43.2306
	10/19/2005	64	A	3523	43.2429
	10/20/2005	64	A	3524	43.2552
	11/4/2005	64	Ae	3525	43.2675
	11/5/2005	64	Ae	3526	43.2797
	11/10/2005	64	A	3527	43.2920
	4/2/2006	64	A	3528	43.3043

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
5/13/2006	64	A	3529	43.3166
11/4/2006	64	A	3530	43.3288
11/5/2006	64	A	3531	43.3411
11/6/2006	64	A	3532	43.3534
5/22/2007	64	A	3533	43.3657
3/22/2008	64	Ae	3534	43.3779
11/19/2008	64	A	3535	43.3902
4/1/2009	64	A	3536	43.4025
4/10/2009	64	A	3537	43.4148
9/19/2009	64	A	3538	43.4270
5/28/2010	64	A	3539	43.4393
1/24/1988	65	A	3540	43.4516
2/2/1988	65	A	3541	43.4639
7/25/1988	65	A	3542	43.4761
5/20/1991	65	A	3543	43.4884
5/21/1991	65	A	3544	43.5007
5/23/1991	65	A	3545	43.5129
8/13/1991	65	A	3546	43.5252
8/14/1991	65	A	3547	43.5375
8/18/1991	65	A	3548	43.5498
8/24/1991	65	A	3549	43.5620
10/21/1991	65	A	3550	43.5743
11/10/1991	65	A	3551	43.5866
1/17/1992	65	A	3552	43.5989
1/19/1992	65	A	3553	43.6111
1/21/1992	65	A	3554	43.6234
1/28/1992	65	A	3555	43.6357
1/30/1992	65	A	3556	43.6480
5/20/1992	65	A	3557	43.6602
5/27/1992	65	A	3558	43.6725
6/2/1992	65	A	3559	43.6848
6/14/1992	65	A	3560	43.6971
8/14/1992	65	A	3561	43.7093
6/23/1993	65	A	3562	43.7216
6/10/1994	65	A	3563	43.7339
8/4/1994	65	A	3564	43.7462
8/20/1994	65	A	3565	43.7584
10/15/1994	65	A	3566	43.7707
12/8/1994	65	A	3567	43.7830
4/16/1995	65	A	3568	43.7953
6/9/1995	65	A	3569	43.8075
12/16/1995	65	A	3570	43.8198
12/25/1995	65	A	3571	43.8321
6/18/1996	65	A	3572	43.8444
7/29/1996	65	A	3573	43.8566
8/5/1996	65	A	3574	43.8689
8/11/1996	65	A	3575	43.8812
6/8/1997	65	A	3576	43.8935
6/22/1998	65	Ae	3577	43.9057
6/23/1998	65	Ae	3578	43.9180
7/5/1998	65	A	3579	43.9303
7/14/1998	65	A	3580	43.9426
2/28/1999	65	A	3581	43.9548
5/16/1999	65	A	3582	43.9671
6/19/1999	65	A	3583	43.9794
9/16/1999	65	A	3584	43.9917

Millsboro Q Frequencies	Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
	11/7/1999	65	A	3585	44.0039
	12/9/1999	65	A	3586	44.0162
	1/4/2000	65	A	3587	44.0285
	5/19/2000	65	A	3588	44.0408
	6/15/2000	65	A	3589	44.0530
	6/25/2000	65	A	3590	44.0653
	10/21/2000	65	A	3591	44.0776
	9/5/2001	65	A	3592	44.0898
	3/31/2002	65	A	3593	44.1021
	4/12/2002	65	A	3594	44.1144
	4/26/2002	65	A	3595	44.1267
	9/14/2004	65	A	3596	44.1389
	12/3/2004	65	A	3597	44.1512
	11/15/2005	65	A	3598	44.1635
	10/21/2006	65	A	3599	44.1758
	11/3/2006	65	A	3600	44.1880
	11/7/2006	65	A	3601	44.2003
	6/11/2008	65	A	3602	44.2126
	11/29/2008	65	A	3603	44.2249
	12/9/2008	65	A	3604	44.2371
	3/21/2009	65	A	3605	44.2494
	3/31/2009	65	A	3606	44.2617
	7/10/2009	65	A	3607	44.2740
	10/3/2009	65	A	3608	44.2862
	5/29/2010	65	A	3609	44.2985
	5/30/2010	65	A	3610	44.3108
	6/5/2010	65	A	3611	44.3231
	1/18/2011	65	A	3612	44.3353
	11/30/1987	66	A	3613	44.3476
	5/31/1988	66	A	3614	44.3599
	6/3/1988	66	A	3615	44.3722
	5/22/1991	66	A	3616	44.3844
	7/29/1991	66	A	3617	44.3967
	1/26/1992	66	A	3618	44.4090
	4/29/1992	66	A	3619	44.4213
	4/30/1992	66	A	3620	44.4335
	5/1/1992	66	A	3621	44.4458
	6/18/1993	66	A	3622	44.4581
	7/16/1993	66	A	3623	44.4704
	6/28/1994	66	A	3624	44.4826
	10/25/1994	66	A	3625	44.4949
	11/18/1994	66	A	3626	44.5072
	12/1/1994	66	A	3627	44.5195
	4/10/1995	66	A	3628	44.5317
	5/24/1995	66	A	3629	44.5440
	12/10/1995	66	A	3630	44.5563
	12/24/1995	66	A	3631	44.5686
	6/15/1996	66	A	3632	44.5808
	7/22/1996	66	A	3633	44.5931
	7/23/1996	66	A	3634	44.6054
	6/9/1998	66	A	3635	44.6177
	7/7/1998	66	A	3636	44.6299
	1/28/1999	66	Ae	3637	44.6422
	2/22/1999	66	A	3638	44.6545
	3/6/1999	66	A	3639	44.6667
	5/18/1999	66	A	3640	44.6790

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
12/6/1999	66	A	3641	44.6913
12/7/1999	66	A	3642	44.7036
1/17/2000	66	A	3643	44.7158
1/27/2000	66	A	3644	44.7281
3/8/2000	66	A	3645	44.7404
7/3/2000	66	A	3646	44.7527
7/4/2000	66	A	3647	44.7649
8/1/2000	66	A	3648	44.7772
12/15/2000	66	A	3649	44.7895
7/31/2001	66	A	3650	44.8018
4/5/2002	66	A	3651	44.8140
4/15/2002	66	A	3652	44.8263
5/12/2002	66	A	3653	44.8386
9/15/2004	66	A	3654	44.8509
1/4/2005	66	A	3655	44.8631
10/17/2005	66	A	3656	44.8754
11/3/2005	66	Ae	3657	44.8877
9/11/2006	66	Ae	3658	44.9000
3/15/2008	66	Ae	3659	44.9122
3/19/2008	66	Ae	3660	44.9245
4/5/2008	66	A	3661	44.9368
5/9/2008	66	A	3662	44.9491
7/13/2008	66	A	3663	44.9613
11/28/2008	66	A	3664	44.9736
4/9/2009	66	A	3665	44.9859
7/9/2009	66	A	3666	44.9982
9/18/2009	66	A	3667	45.0104
10/2/2009	66	A	3668	45.0227
10/15/2009	66	A	3669	45.0350
12/31/1986	67	A	3670	45.0473
6/9/1987	67	A	3671	45.0595
6/14/1987	67	A	3672	45.0718
2/7/1988	67	A	3673	45.0841
2/8/1988	67	A	3674	45.0964
5/19/1991	67	A	3675	45.1086
6/5/1991	67	A	3676	45.1209
6/25/1991	67	A	3677	45.1332
12/20/1991	67	A	3678	45.1455
12/27/1991	67	A	3679	45.1577
12/28/1991	67	A	3680	45.1700
1/18/1992	67	A	3681	45.1823
1/22/1992	67	A	3682	45.1946
1/29/1992	67	A	3683	45.2068
2/15/1992	67	A	3684	45.2191
9/2/1992	67	A	3685	45.2314
9/3/1992	67	A	3686	45.2436
9/4/1992	67	A	3687	45.2559
10/18/1992	67	A	3688	45.2682
10/20/1992	67	A	3689	45.2805
10/21/1992	67	A	3690	45.2927
10/22/1992	67	A	3691	45.3050
10/23/1992	67	A	3692	45.3173
10/27/1992	67	A	3693	45.3296
10/28/1992	67	A	3694	45.3418
10/29/1992	67	A	3695	45.3541
10/30/1992	67	A	3696	45.3664

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
11/18/1992	67	A	3697	45.3787
12/6/1992	67	A	3698	45.3909
12/7/1992	67	A	3699	45.4032
6/21/1993	67	A	3700	45.4155
6/29/1993	67	A	3701	45.4278
7/1/1993	67	A	3702	45.4400
12/14/1993	67	A	3703	45.4523
6/15/1994	67	A	3704	45.4646
8/5/1994	67	A	3705	45.4769
10/13/1994	67	A	3706	45.4891
11/26/1994	67	A	3707	45.5014
12/16/1994	67	A	3708	45.5137
12/20/1994	67	A	3709	45.5260
12/21/1994	67	A	3710	45.5382
4/9/1995	67	A	3711	45.5505
4/26/1995	67	A	3712	45.5628
12/23/1995	67	A	3713	45.5751
6/25/1996	67	A	3714	45.5873
10/6/1996	67	A	3715	45.5996
5/24/1997	67	A	3716	45.6119
5/25/1997	67	A	3717	45.6242
5/30/1997	67	A	3718	45.6364
6/7/1997	67	A	3719	45.6487
7/24/1997	67	A	3720	45.6610
6/8/1998	67	A	3721	45.6733
6/20/1998	67	Ae	3722	45.6855
7/4/1998	67	A	3723	45.6978
2/21/1999	67	A	3724	45.7101
3/7/1999	67	A	3725	45.7224
5/13/1999	67	A	3726	45.7346
9/26/1999	67	A	3727	45.7469
9/27/1999	67	A	3728	45.7592
9/28/1999	67	A	3729	45.7714
10/2/1999	67	A	3730	45.7837
10/28/1999	67	A	3731	45.7960
10/30/1999	67	A	3732	45.8083
11/28/1999	67	A	3733	45.8205
12/30/1999	67	A	3734	45.8328
12/31/1999	67	A	3735	45.8451
1/1/2000	67	A	3736	45.8574
1/2/2000	67	A	3737	45.8696
1/3/2000	67	A	3738	45.8819
1/9/2000	67	A	3739	45.8942
1/20/2000	67	A	3740	45.9065
3/5/2000	67	A	3741	45.9187
5/18/2000	67	A	3742	45.9310
6/2/2000	67	A	3743	45.9433
6/8/2000	67	A	3744	45.9556
6/24/2000	67	A	3745	45.9678
6/28/2000	67	A	3746	45.9801
7/2/2000	67	A	3747	45.9924
7/16/2000	67	A	3748	46.0047
9/23/2000	67	A	3749	46.0169
10/11/2000	67	A	3750	46.0292
10/20/2000	67	A	3751	46.0415
6/30/2001	67	A	3752	46.0538

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
7/1/2001	67	A	3753	46.0660
7/3/2001	67	A	3754	46.0783
7/28/2001	67	A	3755	46.0906
7/29/2001	67	A	3756	46.1029
4/14/2002	67	A	3757	46.1151
4/16/2002	67	A	3758	46.1274
10/19/2002	67	A	3759	46.1397
10/20/2002	67	A	3760	46.1520
6/18/2004	67	A	3761	46.1642
7/13/2004	67	A	3762	46.1765
9/12/2004	67	A	3763	46.1888
9/13/2004	67	A	3764	46.2011
12/17/2004	67	A	3765	46.2133
12/18/2004	67	A	3766	46.2256
12/22/2004	67	A	3767	46.2379
1/2/2005	67	A	3768	46.2502
1/3/2005	67	A	3769	46.2624
1/5/2005	67	A	3770	46.2747
11/2/2005	67	Ae	3771	46.2870
6/2/2006	67	A	3772	46.2993
6/5/2006	67	A	3773	46.3115
7/17/2006	67	A	3774	46.3238
4/6/2008	67	A	3775	46.3361
5/30/2008	67	A	3776	46.3483
6/10/2008	67	A	3777	46.3606
12/8/2008	67	A	3778	46.3729
3/12/2009	67	A	3779	46.3852
3/13/2009	67	A	3780	46.3974
3/27/2009	67	A	3781	46.4097
4/2/2009	67	A	3782	46.4220
5/27/2010	67	A	3783	46.4343
6/12/1987	68	A	3784	46.4465
1/25/1988	68	A	3785	46.4588
2/9/1988	68	A	3786	46.4711
2/10/1988	68	A	3787	46.4834
8/12/1991	68	A	3788	46.4956
8/23/1991	68	A	3789	46.5079
12/26/1991	68	A	3790	46.5202
1/16/1992	68	A	3791	46.5325
4/28/1992	68	A	3792	46.5447
5/31/1992	68	A	3793	46.5570
6/13/1992	68	A	3794	46.5693
6/26/1992	68	A	3795	46.5816
9/22/1992	68	A	3796	46.5938
10/17/1992	68	A	3797	46.6061
10/24/1992	68	A	3798	46.6184
11/17/1992	68	A	3799	46.6307
6/23/1994	68	A	3800	46.6429
6/25/1994	68	A	3801	46.6552
7/1/1994	68	A	3802	46.6675
8/7/1994	68	A	3803	46.6798
11/27/1994	68	A	3804	46.6920
4/6/1995	68	A	3805	46.7043
4/8/1995	68	A	3806	46.7166
5/27/1995	68	A	3807	46.7289
7/27/1995	68	A	3808	46.7411

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
1/6/1996	68	A	3809	46.7534
7/21/1996	68	A	3810	46.7657
7/31/1996	68	A	3811	46.7780
10/5/1996	68	A	3812	46.7902
11/30/1996	68	A	3813	46.8025
12/22/1997	68	A	3814	46.8148
6/10/1998	68	A	3815	46.8271
7/11/1998	68	A	3816	46.8393
2/26/1999	68	Ae	3817	46.8516
2/27/1999	68	A	3818	46.8639
3/12/1999	68	A	3819	46.8762
6/23/1999	68	A	3820	46.8884
10/29/1999	68	A	3821	46.9007
12/13/1999	68	A	3822	46.9130
1/21/2000	68	A	3823	46.9252
2/3/2000	68	A	3824	46.9375
2/5/2000	68	A	3825	46.9498
3/4/2000	68	A	3826	46.9621
3/12/2000	68	Ae	3827	46.9743
11/10/2000	68	A	3828	46.9866
3/21/2002	68	A	3829	46.9989
3/27/2002	68	A	3830	47.0112
4/13/2002	68	A	3831	47.0234
7/2/2003	68	A	3832	47.0357
6/9/2004	68	A	3833	47.0480
9/11/2004	68	A	3834	47.0603
11/16/2004	68	A	3835	47.0725
12/8/2004	68	A	3836	47.0848
12/21/2004	68	A	3837	47.0971
1/6/2005	68	A	3838	47.1094
8/14/2005	68	A	3839	47.1216
10/30/2005	68	Ae	3840	47.1339
10/31/2005	68	Ae	3841	47.1462
11/1/2005	68	Ae	3842	47.1585
11/16/2005	68	A	3843	47.1707
3/29/2006	68	A	3844	47.1830
3/30/2006	68	A	3845	47.1953
3/31/2006	68	A	3846	47.2076
7/23/2006	68	A	3847	47.2198
11/1/2006	68	A	3848	47.2321
11/2/2006	68	A	3849	47.2444
5/21/2007	68	A	3850	47.2567
3/6/2008	68	Ae	3851	47.2689
5/10/2008	68	A	3852	47.2812
8/3/2009	68	A	3853	47.2935
12/30/1986	69	A	3854	47.3058
8/6/1987	69	A	3855	47.3180
1/27/1988	69	A	3856	47.3303
7/27/1991	69	A	3857	47.3426
12/19/1991	69	A	3858	47.3549
1/15/1992	69	A	3859	47.3671
1/25/1992	69	A	3860	47.3794
9/1/1992	69	A	3861	47.3917
9/21/1992	69	A	3862	47.4040
10/19/1992	69	A	3863	47.4162
10/26/1992	69	A	3864	47.4285

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
11/2/1992	69	A	3865	47.4408
11/19/1992	69	A	3866	47.4531
12/13/1993	69	A	3867	47.4653
6/9/1994	69	A	3868	47.4776
6/30/1994	69	A	3869	47.4899
8/23/1994	69	A	3870	47.5021
11/25/1994	69	A	3871	47.5144
12/15/1994	69	A	3872	47.5267
12/17/1994	69	A	3873	47.5390
12/19/1994	69	A	3874	47.5512
4/5/1995	69	A	3875	47.5635
4/7/1995	69	A	3876	47.5758
5/23/1995	69	A	3877	47.5881
8/4/1996	69	A	3878	47.6003
8/24/1996	69	A	3879	47.6126
5/23/1997	69	A	3880	47.6249
5/31/1997	69	A	3881	47.6372
6/6/1997	69	A	3882	47.6494
6/27/1997	69	A	3883	47.6617
12/18/1997	69	A	3884	47.6740
12/21/1997	69	A	3885	47.6863
3/5/1999	69	A	3886	47.6985
3/10/1999	69	A	3887	47.7108
3/11/1999	69	A	3888	47.7231
5/22/1999	69	A	3889	47.7354
6/16/1999	69	A	3890	47.7476
6/18/1999	69	A	3891	47.7599
10/26/1999	69	Ae	3892	47.7722
10/27/1999	69	A	3893	47.7845
11/26/1999	69	A	3894	47.7967
12/11/1999	69	A	3895	47.8090
12/27/1999	69	A	3896	47.8213
12/29/1999	69	A	3897	47.8336
2/17/2000	69	A	3898	47.8458
5/17/2000	69	A	3899	47.8581
6/16/2000	69	A	3900	47.8704
6/21/2000	69	A	3901	47.8827
7/30/2000	69	A	3902	47.8949
9/24/2000	69	A	3903	47.9072
6/29/2001	69	A	3904	47.9195
4/11/2002	69	A	3905	47.9318
9/9/2004	69	A	3906	47.9440
9/17/2004	69	A	3907	47.9563
9/21/2004	69	A	3908	47.9686
12/19/2004	69	A	3909	47.9809
1/1/2005	69	A	3910	47.9931
6/6/2005	69	A	3911	48.0054
8/4/2005	69	A	3912	48.0177
11/20/2005	69	A	3913	48.0299
3/28/2006	69	A	3914	48.0422
4/1/2006	69	A	3915	48.0545
9/10/2006	69	Ae	3916	48.0668
10/13/2006	69	A	3917	48.0790
6/3/2007	69	A	3918	48.0913
4/4/2008	69	A	3919	48.1036
11/7/2008	69	A	3920	48.1159

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
11/27/2008	69	A	3921	48.1281
12/10/2008	69	A	3922	48.1404
3/10/2009	69	A	3923	48.1527
3/14/2009	69	A	3924	48.1650
3/19/2009	69	A	3925	48.1772
3/20/2009	69	A	3926	48.1895
7/8/2009	69	A	3927	48.2018
12/3/1986	70	A	3928	48.2141
6/3/1987	70	A	3929	48.2263
6/8/1987	70	A	3930	48.2386
6/13/1987	70	A	3931	48.2509
1/23/1988	70	A	3932	48.2632
5/30/1988	70	A	3933	48.2754
5/18/1991	70	A	3934	48.2877
10/20/1991	70	A	3935	48.3000
11/12/1991	70	A	3936	48.3123
2/22/1992	70	A	3937	48.3245
2/23/1992	70	A	3938	48.3368
4/14/1992	70	A	3939	48.3491
4/15/1992	70	A	3940	48.3614
4/16/1992	70	A	3941	48.3736
4/27/1992	70	A	3942	48.3859
5/19/1992	70	A	3943	48.3982
8/30/1992	70	A	3944	48.4105
8/31/1992	70	A	3945	48.4227
11/20/1992	70	A	3946	48.4350
6/17/1993	70	A	3947	48.4473
6/27/1993	70	A	3948	48.4596
6/30/1993	70	A	3949	48.4718
12/10/1993	70	A	3950	48.4841
6/5/1994	70	A	3951	48.4964
6/7/1994	70	A	3952	48.5087
6/8/1994	70	A	3953	48.5209
8/3/1994	70	A	3954	48.5332
10/12/1994	70	A	3955	48.5455
10/23/1994	70	A	3956	48.5578
11/30/1994	70	A	3957	48.5700
12/7/1994	70	A	3958	48.5823
12/14/1994	70	A	3959	48.5946
12/18/1994	70	A	3960	48.6068
1/14/1995	70	A	3961	48.6191
1/18/1995	70	A	3962	48.6314
5/1/1995	70	A	3963	48.6437
5/26/1995	70	A	3964	48.6559
8/20/1996	70	A	3965	48.6682
8/21/1996	70	A	3966	48.6805
8/22/1996	70	A	3967	48.6928
9/28/1996	70	A	3968	48.7050
10/4/1996	70	A	3969	48.7173
11/23/1996	70	A	3970	48.7296
11/24/1996	70	A	3971	48.7419
11/25/1996	70	A	3972	48.7541
5/22/1997	70	A	3973	48.7664
5/29/1997	70	A	3974	48.7787
12/19/1997	70	A	3975	48.7910
12/20/1997	70	A	3976	48.8032

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
9/3/1998	70	A	3977	48.8155
1/5/1999	70	Ae	3978	48.8278
1/25/1999	70	Ae	3979	48.8401
1/27/1999	70	Ae	3980	48.8523
2/2/1999	70	Ae	3981	48.8646
2/8/1999	70	Ae	3982	48.8769
2/11/1999	70	A	3983	48.8892
2/24/1999	70	Ae	3984	48.9014
2/25/1999	70	Ae	3985	48.9137
5/10/1999	70	A	3986	48.9260
6/17/1999	70	A	3987	48.9383
9/30/1999	70	A	3988	48.9505
10/1/1999	70	A	3989	48.9628
12/8/1999	70	A	3990	48.9751
12/28/1999	70	A	3991	48.9874
1/6/2000	70	A	3992	48.9996
1/12/2000	70	A	3993	49.0119
1/13/2000	70	A	3994	49.0242
2/6/2000	70	A	3995	49.0365
2/7/2000	70	A	3996	49.0487
2/8/2000	70	A	3997	49.0610
3/3/2000	70	A	3998	49.0733
3/20/2000	70	A	3999	49.0856
5/15/2000	70	A	4000	49.0978
6/1/2000	70	A	4001	49.1101
6/22/2000	70	A	4002	49.1224
6/23/2000	70	A	4003	49.1347
7/29/2000	70	A	4004	49.1469
8/28/2000	70	A	4005	49.1592
8/29/2000	70	A	4006	49.1715
10/18/2000	70	A	4007	49.1837
10/19/2000	70	A	4008	49.1960
5/16/2001	70	A	4009	49.2083
5/17/2001	70	A	4010	49.2206
5/18/2001	70	A	4011	49.2328
6/28/2001	70	A	4012	49.2451
7/2/2001	70	A	4013	49.2574
7/7/2001	70	A	4014	49.2697
9/4/2001	70	A	4015	49.2819
4/4/2002	70	A	4016	49.2942
4/25/2002	70	A	4017	49.3065
5/1/2002	70	A	4018	49.3188
5/10/2002	70	A	4019	49.3310
5/11/2002	70	A	4020	49.3433
6/4/2004	70	A	4021	49.3556
6/15/2004	70	A	4022	49.3679
6/16/2004	70	A	4023	49.3801
6/17/2004	70	A	4024	49.3924
9/8/2004	70	A	4025	49.4047
9/10/2004	70	A	4026	49.4170
9/16/2004	70	A	4027	49.4292
12/2/2004	70	A	4028	49.4415
12/28/2004	70	A	4029	49.4538
12/29/2004	70	A	4030	49.4661
12/30/2004	70	A	4031	49.4783
12/31/2004	70	A	4032	49.4906

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
1/7/2005	70	A	4033	49.5029
1/11/2005	70	A	4034	49.5152
1/12/2005	70	A	4035	49.5274
8/7/2005	70	A	4036	49.5397
8/17/2005	70	A	4037	49.5520
10/29/2005	70	Ae	4038	49.5643
4/24/2006	70	A	4039	49.5765
9/8/2006	70	A	4040	49.5888
9/9/2006	70	Ae	4041	49.6011
9/16/2006	70	A	4042	49.6134
10/9/2006	70	A	4043	49.6256
3/5/2008	70	Ae	4044	49.6379
3/14/2008	70	Ae	4045	49.6502
3/18/2008	70	Ae	4046	49.6625
3/21/2008	70	Ae	4047	49.6747
5/29/2008	70	A	4048	49.6870
12/6/2008	70	A	4049	49.6993
2/24/2009	70	A	4050	49.7116
2/25/2009	70	A	4051	49.7238
3/4/2009	70	A	4052	49.7361
3/5/2009	70	A	4053	49.7484
3/11/2009	70	A	4054	49.7606
4/8/2009	70	A	4055	49.7729
9/17/2009	70	A	4056	49.7852
10/1/2009	70	A	4057	49.7975
5/26/2010	70	A	4058	49.8097
12/29/1986	71	A	4059	49.8220
1/1/1987	71	A	4060	49.8343
1/17/1987	71	A	4061	49.8466
2/11/1988	71	A	4062	49.8588
3/22/1988	71	A	4063	49.8711
3/23/1988	71	A	4064	49.8834
7/9/1991	71	A	4065	49.8957
12/17/1991	71	A	4066	49.9079
12/21/1991	71	A	4067	49.9202
12/23/1991	71	A	4068	49.9325
1/23/1992	71	A	4069	49.9448
5/18/1992	71	A	4070	49.9570
6/12/1992	71	A	4071	49.9693
9/24/1992	71	A	4072	49.9816
6/22/1993	71	A	4073	49.9939
8/7/1993	71	A	4074	50.0061
6/6/1994	71	A	4075	50.0184
10/11/1994	71	A	4076	50.0307
12/5/1994	71	A	4077	50.0430
9/17/1995	71	A	4078	50.0552
12/17/1995	71	A	4079	50.0675
1/1/1996	71	A	4080	50.0798
6/22/1996	71	A	4081	50.0921
8/23/1996	71	A	4082	50.1043
9/15/1996	71	A	4083	50.1166
9/16/1996	71	A	4084	50.1289
11/29/1996	71	A	4085	50.1412
6/2/1997	71	A	4086	50.1534
6/20/1997	71	A	4087	50.1657
12/17/1997	71	A	4088	50.1780

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
6/11/1998	71	A	4089	50.1903
6/19/1998	71	A	4090	50.2025
5/12/1999	71	A	4091	50.2148
5/21/1999	71	A	4092	50.2271
6/20/1999	71	A	4093	50.2394
11/2/1999	71	A	4094	50.2516
12/20/1999	71	A	4095	50.2639
12/25/1999	71	A	4096	50.2762
12/26/1999	71	A	4097	50.2884
2/9/2000	71	A	4098	50.3007
5/31/2000	71	A	4099	50.3130
7/22/2000	71	A	4100	50.3253
8/30/2000	71	A	4101	50.3375
9/22/2000	71	A	4102	50.3498
12/19/2000	71	A	4103	50.3621
6/1/2001	71	A	4104	50.3744
6/3/2004	71	A	4105	50.3866
6/10/2004	71	A	4106	50.3989
1/13/2005	71	A	4107	50.4112
3/27/2006	71	A	4108	50.4235
9/14/2006	71	Ae	4109	50.4357
5/27/2008	71	A	4110	50.4480
5/28/2008	71	A	4111	50.4603
6/9/2008	71	A	4112	50.4726
11/18/2008	71	A	4113	50.4848
12/4/2008	71	A	4114	50.4971
12/5/2008	71	A	4115	50.5094
2/26/2009	71	A	4116	50.5217
2/27/2009	71	A	4117	50.5339
2/28/2009	71	A	4118	50.5462
3/18/2009	71	A	4119	50.5585
5/16/1991	72	A	4120	50.5708
5/17/1991	72	A	4121	50.5830
8/15/1991	72	A	4122	50.5953
12/8/1991	72	A	4123	50.6076
12/9/1991	72	A	4124	50.6199
12/22/1991	72	A	4125	50.6321
2/21/1992	72	A	4126	50.6444
4/13/1992	72	A	4127	50.6567
4/17/1992	72	A	4128	50.6690
4/26/1992	72	A	4129	50.6812
5/17/1992	72	A	4130	50.6935
6/1/1992	72	A	4131	50.7058
10/25/1992	72	A	4132	50.7181
11/10/1992	72	A	4133	50.7303
12/4/1992	72	A	4134	50.7426
12/5/1992	72	A	4135	50.7549
11/29/1993	72	A	4136	50.7672
12/5/1993	72	A	4137	50.7794
12/9/1993	72	A	4138	50.7917
6/22/1994	72	A	4139	50.8040
8/6/1994	72	A	4140	50.8163
11/19/1994	72	A	4141	50.8285
12/13/1994	72	A	4142	50.8408
12/24/1994	72	A	4143	50.8531
1/11/1995	72	A	4144	50.8653

Millsboro Q Frequencies	Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
	1/12/1995	72	A	4145	50.8776
	1/13/1995	72	A	4146	50.8899
	1/15/1995	72	A	4147	50.9022
	1/17/1995	72	A	4148	50.9144
	4/3/1995	72	A	4149	50.9267
	4/4/1995	72	A	4150	50.9390
	4/15/1995	72	A	4151	50.9513
	5/22/1995	72	A	4152	50.9635
	6/15/1995	72	A	4153	50.9758
	1/2/1996	72	A	4154	50.9881
	8/3/1996	72	A	4155	51.0004
	9/27/1996	72	A	4156	51.0126
	11/22/1996	72	A	4157	51.0249
	6/1/1997	72	A	4158	51.0372
	12/15/1997	72	A	4159	51.0495
	6/7/1998	72	A	4160	51.0617
	5/11/1999	72	A	4161	51.0740
	5/19/1999	72	A	4162	51.0863
	6/14/1999	72	A	4163	51.0986
	1/8/2000	72	A	4164	51.1108
	1/26/2000	72	Ae	4165	51.1231
	5/14/2000	72	A	4166	51.1354
	6/6/2000	72	A	4167	51.1477
	6/13/2000	72	A	4168	51.1599
	8/27/2000	72	A	4169	51.1722
	10/10/2000	72	A	4170	51.1845
	1/19/2001	72	A	4171	51.1968
	1/7/2002	72	A	4172	51.2090
	4/10/2002	72	A	4173	51.2213
	5/14/2002	72	A	4174	51.2336
	12/1/2004	72	A	4175	51.2459
	6/7/2005	72	A	4176	51.2581
	3/26/2006	72	A	4177	51.2704
	4/22/2006	72	A	4178	51.2827
	10/20/2006	72	A	4179	51.2950
	12/7/2008	72	A	4180	51.3072
	2/23/2009	72	A	4181	51.3195
	3/9/2009	72	A	4182	51.3318
	4/6/2009	72	A	4183	51.3441
	1/28/2011	72	A	4184	51.3563
	6/4/1987	73	A	4185	51.3686
	3/21/1988	73	A	4186	51.3809
	3/24/1988	73	A	4187	51.3932
	3/25/1988	73	A	4188	51.4054
	12/18/1991	73	A	4189	51.4177
	12/25/1991	73	A	4190	51.4300
	4/21/1992	73	A	4191	51.4422
	9/18/1992	73	A	4192	51.4545
	9/20/1992	73	A	4193	51.4668
	10/16/1992	73	A	4194	51.4791
	11/21/1992	73	A	4195	51.4913
	11/22/1992	73	A	4196	51.5036
	12/10/1992	73	A	4197	51.5159
	6/16/1993	73	A	4198	51.5282
	8/19/1994	73	A	4199	51.5404
	12/6/1994	73	A	4200	51.5527

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
11/17/1995	73	A	4201	51.5650
11/21/1996	73	A	4202	51.5773
12/1/1996	73	A	4203	51.5895
5/21/1997	73	A	4204	51.6018
12/14/1997	73	A	4205	51.6141
12/24/1997	73	A	4206	51.6264
2/10/1999	73	A	4207	51.6386
9/25/1999	73	A	4208	51.6509
11/27/1999	73	A	4209	51.6632
2/2/2000	73	A	4210	51.6755
8/8/2000	73	A	4211	51.6877
8/31/2000	73	A	4212	51.7000
9/1/2000	73	A	4213	51.7123
5/15/2001	73	A	4214	51.7246
7/6/2001	73	A	4215	51.7368
5/9/2002	73	A	4216	51.7491
9/7/2004	73	A	4217	51.7614
12/16/2004	73	A	4218	51.7737
12/23/2004	73	A	4219	51.7859
1/10/2005	73	A	4220	51.7982
5/14/2005	73	A	4221	51.8105
8/13/2005	73	A	4222	51.8228
10/16/2005	73	A	4223	51.8350
3/24/2006	73	A	4224	51.8473
7/13/2006	73	A	4225	51.8596
12/3/2008	73	A	4226	51.8719
2/21/2009	73	A	4227	51.8841
3/17/2009	73	A	4228	51.8964
3/30/2009	73	A	4229	51.9087
4/4/2009	73	A	4230	51.9210
5/25/2010	73	A	4231	51.9332
6/13/1986	74	A	4232	51.9455
1/9/1987	74	A	4233	51.9578
1/14/1987	74	A	4234	51.9701
1/15/1987	74	A	4235	51.9823
1/16/1987	74	A	4236	51.9946
6/2/1987	74	A	4237	52.0069
2/6/1988	74	A	4238	52.0191
5/29/1988	74	A	4239	52.0314
12/7/1991	74	A	4240	52.0437
12/16/1991	74	A	4241	52.0560
1/12/1992	74	A	4242	52.0682
1/13/1992	74	A	4243	52.0805
4/18/1992	74	A	4244	52.0928
4/20/1992	74	A	4245	52.1051
9/16/1992	74	A	4246	52.1173
9/17/1992	74	A	4247	52.1296
9/19/1992	74	A	4248	52.1419
11/16/1992	74	A	4249	52.1542
11/25/1992	74	A	4250	52.1664
12/1/1992	74	A	4251	52.1787
6/28/1993	74	A	4252	52.1910
12/15/1993	74	A	4253	52.2033
6/4/1994	74	A	4254	52.2155
6/21/1994	74	A	4255	52.2278
10/24/1994	74	A	4256	52.2401

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
2/14/1995	74	A	4257	52.2524
4/1/1995	74	A	4258	52.2646
4/2/1995	74	A	4259	52.2769
12/22/1995	74	A	4260	52.2892
1/5/1996	74	A	4261	52.3015
7/28/1996	74	A	4262	52.3137
10/3/1996	74	A	4263	52.3260
11/16/1996	74	A	4264	52.3383
11/17/1996	74	A	4265	52.3506
11/18/1996	74	A	4266	52.3628
6/5/1997	74	A	4267	52.3751
12/16/1997	74	A	4268	52.3874
7/3/1998	74	A	4269	52.3997
2/13/1999	74	Ae	4270	52.4119
3/3/1999	74	A	4271	52.4242
11/5/1999	74	A	4272	52.4365
12/19/1999	74	A	4273	52.4488
12/24/1999	74	A	4274	52.4610
1/5/2000	74	A	4275	52.4733
1/10/2000	74	A	4276	52.4856
2/10/2000	74	A	4277	52.4979
2/16/2000	74	A	4278	52.5101
5/13/2000	74	A	4279	52.5224
5/27/2000	74	A	4280	52.5347
5/28/2000	74	A	4281	52.5469
9/20/2000	74	A	4282	52.5592
9/21/2000	74	A	4283	52.5715
11/28/2000	74	A	4284	52.5838
5/14/2001	74	A	4285	52.5960
5/31/2001	74	A	4286	52.6083
6/14/2001	74	A	4287	52.6206
6/15/2001	74	A	4288	52.6329
9/3/2001	74	A	4289	52.6451
4/3/2002	74	A	4290	52.6574
12/27/2004	74	A	4291	52.6697
5/13/2005	74	A	4292	52.6820
5/18/2005	74	A	4293	52.6942
5/19/2005	74	A	4294	52.7065
7/5/2005	74	Ae	4295	52.7188
8/3/2005	74	A	4296	52.7311
10/23/2005	74	Ae	4297	52.7433
10/28/2005	74	Ae	4298	52.7556
11/21/2005	74	A	4299	52.7679
3/25/2006	74	A	4300	52.7802
7/16/2006	74	A	4301	52.7924
9/7/2006	74	A	4302	52.8047
10/31/2006	74	A	4303	52.8170
6/5/2007	74	A	4304	52.8293
3/13/2008	74	Ae	4305	52.8415
5/26/2008	74	A	4306	52.8538
3/15/2009	74	A	4307	52.8661
4/13/2009	74	A	4308	52.8784
7/7/2009	74	A	4309	52.8906
9/16/2009	74	A	4310	52.9029
5/24/2010	74	A	4311	52.9152
12/28/1986	75	A	4312	52.9275

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
6/1/1987	75	A	4313	52.9397
7/7/1991	75	A	4314	52.9520
7/26/1991	75	A	4315	52.9643
1/2/1992	75	A	4316	52.9766
1/14/1992	75	A	4317	52.9888
3/25/1992	75	A	4318	53.0011
4/24/1992	75	A	4319	53.0134
4/25/1992	75	A	4320	53.0257
5/16/1992	75	A	4321	53.0379
8/29/1992	75	A	4322	53.0502
11/23/1992	75	A	4323	53.0625
11/24/1992	75	A	4324	53.0748
11/30/1992	75	A	4325	53.0870
12/3/1992	75	A	4326	53.0993
6/20/1994	75	A	4327	53.1116
8/22/1994	75	A	4328	53.1238
10/10/1994	75	A	4329	53.1361
12/10/1994	75	A	4330	53.1484
1/10/1995	75	A	4331	53.1607
1/16/1995	75	A	4332	53.1729
2/13/1995	75	A	4333	53.1852
3/31/1995	75	A	4334	53.1975
5/9/1995	75	A	4335	53.2098
12/19/1995	75	A	4336	53.2220
7/3/1996	75	A	4337	53.2343
9/26/1996	75	A	4338	53.2466
5/18/1997	75	A	4339	53.2589
11/13/1997	75	A	4340	53.2711
6/15/1998	75	Ae	4341	53.2834
2/9/1999	75	Ae	4342	53.2957
2/20/1999	75	A	4343	53.3080
3/4/1999	75	A	4344	53.3202
3/14/1999	75	A	4345	53.3325
5/9/1999	75	A	4346	53.3448
2/25/2000	75	A	4347	53.3571
3/2/2000	75	A	4348	53.3693
5/30/2000	75	A	4349	53.3816
5/13/2001	75	A	4350	53.3939
6/16/2001	75	A	4351	53.4062
4/30/2002	75	A	4352	53.4184
6/14/2004	75	A	4353	53.4307
8/14/2004	75	A	4354	53.4430
5/12/2005	75	A	4355	53.4553
11/19/2005	75	A	4356	53.4675
10/12/2006	75	A	4357	53.4798
3/17/2008	75	Ae	4358	53.4921
4/29/2008	75	A	4359	53.5044
11/6/2008	75	A	4360	53.5166
2/16/2009	75	A	4361	53.5289
2/17/2009	75	A	4362	53.5412
2/22/2009	75	A	4363	53.5535
9/1/2009	75	A	4364	53.5657
5/23/2010	75	A	4365	53.5780
6/7/1987	76	A	4366	53.5903
5/15/1991	76	A	4367	53.6026
1/11/1992	76	A	4368	53.6148

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
4/12/1992	76	A	4369	53.6271
4/19/1992	76	A	4370	53.6394
6/11/1992	76	A	4371	53.6517
9/23/1992	76	A	4372	53.6639
11/11/1992	76	A	4373	53.6762
6/15/1993	76	A	4374	53.6885
6/24/1994	76	A	4375	53.7007
10/9/1994	76	A	4376	53.7130
11/24/1994	76	A	4377	53.7253
1/19/1995	76	A	4378	53.7376
7/26/1995	76	A	4379	53.7498
6/21/1996	76	A	4380	53.7621
11/15/1996	76	A	4381	53.7744
11/19/1996	76	A	4382	53.7867
11/20/1996	76	A	4383	53.7989
11/28/1996	76	A	4384	53.8112
5/19/1997	76	A	4385	53.8235
5/20/1997	76	A	4386	53.8358
12/23/1997	76	A	4387	53.8480
6/6/1998	76	A	4388	53.8603
7/2/1998	76	A	4389	53.8726
2/4/1999	76	Ae	4390	53.8849
2/18/1999	76	A	4391	53.8971
6/15/1999	76	A	4392	53.9094
10/25/1999	76	Ae	4393	53.9217
11/3/1999	76	A	4394	53.9340
12/21/1999	76	A	4395	53.9462
1/11/2000	76	A	4396	53.9585
1/25/2000	76	A	4397	53.9708
2/18/2000	76	A	4398	53.9831
8/7/2000	76	A	4399	53.9953
10/9/2000	76	A	4400	54.0076
5/8/2002	76	A	4401	54.0199
9/5/2002	76	A	4402	54.0322
9/17/2002	76	A	4403	54.0444
10/28/2002	76	A	4404	54.0567
10/29/2002	76	A	4405	54.0690
8/12/2004	76	A	4406	54.0813
9/18/2004	76	A	4407	54.0935
12/20/2004	76	A	4408	54.1058
1/8/2005	76	A	4409	54.1181
7/27/2005	76	A	4410	54.1304
3/23/2006	76	A	4411	54.1426
5/16/2007	76	A	4412	54.1549
5/19/2007	76	A	4413	54.1672
11/30/2008	76	A	4414	54.1795
3/3/2009	76	A	4415	54.1917
3/8/2009	76	A	4416	54.2040
3/16/2009	76	A	4417	54.2163
5/10/2010	76	A	4418	54.2286
5/17/2010	76	A	4419	54.2408
1/8/1987	77	A	4420	54.2531
1/13/1987	77	A	4421	54.2654
6/11/1987	77	A	4422	54.2776
5/17/1988	77	A	4423	54.2899
12/2/1991	77	A	4424	54.3022

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
1/9/1992	77	A	4425	54.3145
2/20/1992	77	A	4426	54.3267
2/24/1992	77	A	4427	54.3390
3/17/1992	77	A	4428	54.3513
4/9/1992	77	A	4429	54.3636
4/10/1992	77	A	4430	54.3758
4/11/1992	77	A	4431	54.3881
5/15/1992	77	A	4432	54.4004
10/13/1992	77	A	4433	54.4127
10/14/1992	77	A	4434	54.4249
10/15/1992	77	A	4435	54.4372
11/1/1992	77	A	4436	54.4495
11/15/1992	77	A	4437	54.4618
12/2/1992	77	A	4438	54.4740
8/17/1994	77	A	4439	54.4863
10/7/1994	77	A	4440	54.4986
10/8/1994	77	A	4441	54.5109
2/26/1995	77	A	4442	54.5231
2/27/1995	77	A	4443	54.5354
3/27/1995	77	A	4444	54.5477
3/28/1995	77	A	4445	54.5600
3/29/1995	77	A	4446	54.5722
3/30/1995	77	A	4447	54.5845
6/19/1996	77	A	4448	54.5968
7/19/1996	77	A	4449	54.6091
7/20/1996	77	A	4450	54.6213
8/19/1996	77	A	4451	54.6336
10/2/1996	77	A	4452	54.6459
11/13/1996	77	A	4453	54.6582
11/14/1996	77	A	4454	54.6704
11/28/1997	77	A	4455	54.6827
11/29/1997	77	A	4456	54.6950
12/3/1997	77	A	4457	54.7073
12/8/1997	77	A	4458	54.7195
12/9/1997	77	A	4459	54.7318
12/12/1997	77	A	4460	54.7441
12/13/1997	77	A	4461	54.7564
7/8/1998	77	A	4462	54.7686
7/10/1998	77	A	4463	54.7809
5/20/1999	77	A	4464	54.7932
2/12/2000	77	A	4465	54.8054
2/13/2000	77	A	4466	54.8177
3/1/2000	77	A	4467	54.8300
5/12/2000	77	A	4468	54.8423
5/29/2000	77	A	4469	54.8545
7/26/2000	77	A	4470	54.8668
5/12/2001	77	A	4471	54.8791
8/11/2001	77	A	4472	54.8914
6/8/2004	77	A	4473	54.9036
8/9/2004	77	A	4474	54.9159
8/10/2004	77	A	4475	54.9282
8/11/2004	77	A	4476	54.9405
9/6/2004	77	A	4477	54.9527
5/10/2005	77	A	4478	54.9650
5/11/2005	77	A	4479	54.9773
6/8/2005	77	A	4480	54.9896

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
7/26/2005	77	A	4481	55.0018
7/29/2005	77	A	4482	55.0141
8/8/2005	77	A	4483	55.0264
5/12/2006	77	A	4484	55.0387
10/19/2006	77	A	4485	55.0509
5/20/2007	77	A	4486	55.0632
3/11/2008	77	Ae	4487	55.0755
2/15/2009	77	A	4488	55.0878
2/18/2009	77	A	4489	55.1000
9/30/2009	77	A	4490	55.1123
5/11/2010	77	A	4491	55.1246
5/31/1987	78	A	4492	55.1369
5/15/1988	78	A	4493	55.1491
5/16/1988	78	A	4494	55.1614
12/6/1991	78	A	4495	55.1737
12/24/1991	78	A	4496	55.1860
1/1/1992	78	A	4497	55.1982
1/3/1992	78	A	4498	55.2105
10/12/1992	78	A	4499	55.2228
11/9/1992	78	A	4500	55.2351
6/14/1993	78	A	4501	55.2473
12/12/1993	78	A	4502	55.2596
7/27/1994	78	A	4503	55.2719
8/2/1994	78	A	4504	55.2842
11/21/1994	78	A	4505	55.2964
12/23/1994	78	A	4506	55.3087
2/10/1995	78	A	4507	55.3210
2/15/1995	78	A	4508	55.3333
3/26/1995	78	A	4509	55.3455
5/21/1995	78	A	4510	55.3578
9/11/1996	78	A	4511	55.3701
9/21/1996	78	A	4512	55.3823
11/12/1996	78	A	4513	55.3946
12/10/1997	78	A	4514	55.4069
1/12/1998	78	A	4515	55.4192
12/18/1999	78	A	4516	55.4314
12/23/1999	78	A	4517	55.4437
2/11/2000	78	A	4518	55.4560
2/24/2000	78	A	4519	55.4683
2/26/2000	78	A	4520	55.4805
2/27/2000	78	A	4521	55.4928
3/19/2000	78	A	4522	55.5051
6/4/2001	78	A	4523	55.5174
5/7/2002	78	A	4524	55.5296
9/5/2004	78	A	4525	55.5419
11/30/2004	78	A	4526	55.5542
12/15/2004	78	A	4527	55.5665
9/6/2006	78	A	4528	55.5787
5/18/2007	78	A	4529	55.5910
3/20/2008	78	Ae	4530	55.6033
5/31/2008	78	A	4531	55.6156
2/14/2009	78	A	4532	55.6278
2/20/2009	78	A	4533	55.6401
3/6/2009	78	A	4534	55.6524
4/3/2009	78	A	4535	55.6647
7/6/2009	78	A	4536	55.6769

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
5/9/2010	78	A	4537	55.6892
5/16/2010	78	A	4538	55.7015
1/7/1987	79	A	4539	55.7138
3/20/1988	79	A	4540	55.7260
5/18/1988	79	A	4541	55.7383
5/28/1988	79	A	4542	55.7506
6/23/1991	79	A	4543	55.7629
12/15/1991	79	A	4544	55.7751
1/8/1992	79	A	4545	55.7874
3/16/1992	79	A	4546	55.7997
3/18/1992	79	A	4547	55.8120
3/24/1992	79	A	4548	55.8242
5/14/1992	79	A	4549	55.8365
9/15/1992	79	A	4550	55.8488
10/31/1992	79	A	4551	55.8611
11/12/1992	79	A	4552	55.8733
11/29/1992	79	A	4553	55.8856
11/29/1994	79	A	4554	55.8979
12/12/1994	79	A	4555	55.9102
2/1/1995	79	A	4556	55.9224
2/9/1995	79	A	4557	55.9347
2/25/1995	79	A	4558	55.9470
4/25/1995	79	A	4559	55.9592
5/8/1995	79	A	4560	55.9715
7/18/1996	79	A	4561	55.9838
5/28/1997	79	A	4562	55.9961
6/3/1997	79	A	4563	56.0083
12/7/1997	79	A	4564	56.0206
12/11/1997	79	A	4565	56.0329
12/26/1997	79	A	4566	56.0452
8/19/1998	79	A	4567	56.0574
5/8/1999	79	A	4568	56.0697
2/14/2000	79	A	4569	56.0820
5/16/2000	79	A	4570	56.0943
5/21/2000	79	A	4571	56.1065
5/19/2001	79	A	4572	56.1188
6/13/2001	79	A	4573	56.1311
6/27/2001	79	A	4574	56.1434
10/13/2002	79	A	4575	56.1556
12/26/2004	79	A	4576	56.1679
5/9/2005	79	A	4577	56.1802
7/28/2005	79	A	4578	56.1925
8/2/2005	79	A	4579	56.2047
3/22/2006	79	A	4580	56.2170
7/12/2006	79	A	4581	56.2293
10/6/2006	79	A	4582	56.2416
5/15/2007	79	A	4583	56.2538
5/25/2008	79	A	4584	56.2661
7/12/2008	79	A	4585	56.2784
11/26/2008	79	A	4586	56.2907
3/1/2009	79	A	4587	56.3029
3/7/2009	79	A	4588	56.3152
4/7/2009	79	A	4589	56.3275
5/24/2009	79	A	4590	56.3398
10/24/2009	79	A	4591	56.3520
5/13/2010	79	A	4592	56.3643

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
5/22/2010	79	A	4593	56.3766
6/23/2010	79	A	4594	56.3889
3/17/1988	80	A	4595	56.4011
5/14/1988	80	A	4596	56.4134
9/27/1991	80	A	4597	56.4257
1/10/1992	80	A	4598	56.4380
4/7/1992	80	A	4599	56.4502
4/8/1992	80	A	4600	56.4625
5/13/1992	80	A	4601	56.4748
9/5/1992	80	A	4602	56.4871
10/10/1992	80	A	4603	56.4993
10/11/1992	80	A	4604	56.5116
11/14/1992	80	A	4605	56.5239
2/20/1993	80	A	4606	56.5361
8/18/1994	80	A	4607	56.5484
2/3/1995	80	A	4608	56.5607
2/11/1995	80	A	4609	56.5730
3/6/1995	80	A	4610	56.5852
3/7/1995	80	A	4611	56.5975
5/17/1995	80	A	4612	56.6098
12/21/1995	80	A	4613	56.6221
6/14/1996	80	A	4614	56.6343
6/20/1996	80	A	4615	56.6466
8/1/1996	80	A	4616	56.6589
9/25/1996	80	A	4617	56.6712
5/17/1997	80	A	4618	56.6834
11/20/1997	80	A	4619	56.6957
11/21/1997	80	A	4620	56.7080
11/26/1997	80	A	4621	56.7203
11/30/1997	80	A	4622	56.7325
12/25/1997	80	A	4623	56.7448
6/12/1998	80	Ae	4624	56.7571
1/4/1999	80	Ae	4625	56.7694
1/16/1999	80	Ae	4626	56.7816
4/28/1999	80	A	4627	56.7939
4/29/1999	80	A	4628	56.8062
6/22/1999	80	A	4629	56.8185
9/21/1999	80	Ae	4630	56.8307
9/24/1999	80	A	4631	56.8430
11/4/1999	80	A	4632	56.8553
12/14/1999	80	A	4633	56.8676
2/22/2000	80	A	4634	56.8798
6/7/2000	80	A	4635	56.8921
8/26/2000	80	A	4636	56.9044
6/5/2001	80	A	4637	56.9167
6/12/2001	80	A	4638	56.9289
8/31/2001	80	A	4639	56.9412
9/1/2001	80	A	4640	56.9535
9/2/2001	80	A	4641	56.9658
9/16/2002	80	A	4642	56.9780
10/24/2003	80	A	4643	56.9903
10/25/2003	80	A	4644	57.0026
10/26/2003	80	A	4645	57.0149
8/1/2004	80	A	4646	57.0271
9/4/2004	80	A	4647	57.0394
12/14/2004	80	A	4648	57.0517

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
5/15/2005	80	A	4649	57.0639
6/26/2005	80	A	4650	57.0762
7/4/2005	80	Ae	4651	57.0885
7/6/2005	80	A	4652	57.1008
10/27/2005	80	Ae	4653	57.1130
3/19/2006	80	A	4654	57.1253
3/20/2006	80	A	4655	57.1376
3/21/2006	80	A	4656	57.1499
9/15/2006	80	Ae	4657	57.1621
10/18/2006	80	A	4658	57.1744
3/12/2008	80	Ae	4659	57.1867
3/16/2008	80	Ae	4660	57.1990
6/3/2008	80	A	4661	57.2112
12/2/2008	80	A	4662	57.2235
7/5/2009	80	A	4663	57.2358
1/26/1988	81	A	4664	57.2481
2/3/1988	81	A	4665	57.2603
3/16/1988	81	A	4666	57.2726
5/3/1988	81	A	4667	57.2849
6/4/1991	81	A	4668	57.2972
8/22/1991	81	A	4669	57.3094
1/24/1992	81	A	4670	57.3217
4/6/1992	81	A	4671	57.3340
10/9/1992	81	A	4672	57.3463
11/28/1994	81	A	4673	57.3585
2/8/1995	81	A	4674	57.3708
2/12/1995	81	A	4675	57.3831
3/25/1995	81	A	4676	57.3954
7/1/1996	81	A	4677	57.4076
6/19/1997	81	A	4678	57.4199
11/19/1997	81	A	4679	57.4322
11/27/1997	81	A	4680	57.4445
6/18/1998	81	A	4681	57.4567
7/1/1998	81	A	4682	57.4690
2/21/2000	81	A	4683	57.4813
2/23/2000	81	A	4684	57.4936
2/29/2000	81	A	4685	57.5058
9/2/2000	81	A	4686	57.5181
12/17/2000	81	A	4687	57.5304
2/4/2001	81	A	4688	57.5427
5/11/2001	81	A	4689	57.5549
8/30/2001	81	A	4690	57.5672
10/11/2002	81	A	4691	57.5795
8/8/2004	81	A	4692	57.5918
9/3/2004	81	A	4693	57.6040
3/17/2006	81	A	4694	57.6163
3/18/2006	81	A	4695	57.6286
7/15/2006	81	A	4696	57.6408
11/11/2006	81	A	4697	57.6531
5/12/2007	81	A	4698	57.6654
2/2/2008	81	Ae	4699	57.6777
6/8/2008	81	A	4700	57.6899
2/13/2009	81	A	4701	57.7022
5/23/2009	81	A	4702	57.7145
10/23/2009	81	A	4703	57.7268
5/12/2010	81	A	4704	57.7390

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
5/14/2010	81	A	4705	57.7513
1/6/1987	82	A	4706	57.7636
10/28/1987	82	A	4707	57.7759
2/5/1988	82	A	4708	57.7881
5/4/1988	82	A	4709	57.8004
5/24/1988	82	A	4710	57.8127
5/14/1991	82	A	4711	57.8250
12/13/1991	82	A	4712	57.8372
1/7/1992	82	A	4713	57.8495
2/25/1992	82	A	4714	57.8618
5/12/1992	82	A	4715	57.8741
8/28/1992	82	A	4716	57.8863
12/11/1993	82	A	4717	57.8986
6/3/1994	82	A	4718	57.9109
10/6/1994	82	A	4719	57.9232
3/5/1995	82	A	4720	57.9354
4/24/1995	82	A	4721	57.9477
5/4/1995	82	A	4722	57.9600
5/16/1995	82	A	4723	57.9723
6/9/1996	82	A	4724	57.9845
6/10/1996	82	A	4725	57.9968
11/11/1996	82	A	4726	58.0091
11/26/1996	82	A	4727	58.0214
6/4/1997	82	A	4728	58.0336
12/2/1997	82	A	4729	58.0459
1/13/1998	82	A	4730	58.0582
6/5/1998	82	A	4731	58.0705
1/7/2000	82	A	4732	58.0827
2/15/2000	82	A	4733	58.0950
2/28/2000	82	A	4734	58.1073
5/11/2000	82	A	4735	58.1196
5/26/2000	82	A	4736	58.1318
2/3/2001	82	A	4737	58.1441
5/20/2001	82	A	4738	58.1564
5/6/2002	82	A	4739	58.1687
10/23/2003	82	A	4740	58.1809
6/13/2004	82	A	4741	58.1932
1/29/2005	82	A	4742	58.2055
7/25/2005	82	A	4743	58.2177
3/16/2006	82	A	4744	58.2300
3/10/2008	82	Ae	4745	58.2423
11/25/2008	82	A	4746	58.2546
5/8/2010	82	A	4747	58.2668
5/21/2010	82	A	4748	58.2791
1/18/1987	83	A	4749	58.2914
5/30/1987	83	A	4750	58.3037
5/2/1988	83	A	4751	58.3159
5/11/1991	83	A	4752	58.3282
5/12/1991	83	A	4753	58.3405
5/13/1991	83	A	4754	58.3528
6/20/1991	83	A	4755	58.3650
12/14/1991	83	A	4756	58.3773
2/18/1992	83	A	4757	58.3896
3/10/1992	83	A	4758	58.4019
3/15/1992	83	A	4759	58.4141
3/22/1992	83	A	4760	58.4264

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
3/23/1992	83	A	4761	58.4387
4/23/1992	83	A	4762	58.4510
11/26/1992	83	A	4763	58.4632
2/19/1993	83	A	4764	58.4755
8/1/1994	83	A	4765	58.4878
1/31/1995	83	A	4766	58.5001
2/2/1995	83	A	4767	58.5123
2/28/1995	83	A	4768	58.5246
6/8/1995	83	A	4769	58.5369
1/4/1996	83	A	4770	58.5492
1/7/1996	83	A	4771	58.5614
8/18/1996	83	A	4772	58.5737
10/1/1996	83	A	4773	58.5860
12/5/1996	83	A	4774	58.5983
11/25/1997	83	A	4775	58.6105
1/11/1998	83	A	4776	58.6228
6/4/1998	83	A	4777	58.6351
3/2/1999	83	Ae	4778	58.6474
5/7/1999	83	A	4779	58.6596
9/14/2000	83	A	4780	58.6719
9/19/2000	83	A	4781	58.6842
6/2/2001	83	A	4782	58.6965
8/30/2004	83	A	4783	58.7087
11/15/2004	83	A	4784	58.7210
1/9/2005	83	A	4785	58.7333
5/8/2005	83	A	4786	58.7456
6/21/2005	83	Ae	4787	58.7578
6/25/2005	83	A	4788	58.7701
8/12/2005	83	Ae	4789	58.7824
5/14/2007	83	A	4790	58.7946
5/17/2007	83	A	4791	58.8069
5/24/2008	83	A	4792	58.8192
2/19/2009	83	A	4793	58.8315
9/15/2009	83	A	4794	58.8437
10/25/2009	83	A	4795	58.8560
1/12/1987	84	A	4796	58.8683
6/10/1987	84	A	4797	58.8806
2/4/1988	84	A	4798	58.8928
5/13/1988	84	A	4799	58.9051
2/19/1992	84	A	4800	58.9174
3/5/1992	84	A	4801	58.9297
3/6/1992	84	A	4802	58.9419
3/14/1992	84	A	4803	58.9542
4/22/1992	84	A	4804	58.9665
9/14/1992	84	A	4805	58.9788
11/8/1992	84	A	4806	58.9910
11/28/1992	84	A	4807	59.0033
6/13/1993	84	A	4808	59.0156
6/19/1994	84	A	4809	59.0279
10/5/1994	84	A	4810	59.0401
1/27/1995	84	A	4811	59.0524
3/4/1995	84	A	4812	59.0647
3/20/1995	84	A	4813	59.0770
1/14/1996	84	A	4814	59.0892
8/2/1996	84	A	4815	59.1015
9/29/1996	84	A	4816	59.1138

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
11/27/1996	84	A	4817	59.1261
11/18/1997	84	A	4818	59.1383
1/4/1998	84	A	4819	59.1506
1/5/1998	84	A	4820	59.1629
1/6/1998	84	A	4821	59.1752
1/14/1998	84	A	4822	59.1874
2/3/1999	84	Ae	4823	59.1997
4/30/1999	84	A	4824	59.2120
5/1/1999	84	A	4825	59.2243
5/6/1999	84	A	4826	59.2365
10/24/1999	84	A	4827	59.2488
8/23/2000	84	A	4828	59.2611
8/24/2000	84	A	4829	59.2734
8/25/2000	84	A	4830	59.2856
9/13/2000	84	A	4831	59.2979
10/8/2000	84	A	4832	59.3102
1/29/2001	84	A	4833	59.3224
3/12/2001	84	A	4834	59.3347
5/7/2001	84	A	4835	59.3470
5/8/2001	84	A	4836	59.3593
5/9/2001	84	A	4837	59.3715
5/10/2001	84	A	4838	59.3838
5/30/2001	84	A	4839	59.3961
10/16/2002	84	A	4840	59.4084
10/26/2002	84	A	4841	59.4206
11/10/2002	84	A	4842	59.4329
6/7/2004	84	A	4843	59.4452
8/25/2004	84	A	4844	59.4575
8/26/2004	84	A	4845	59.4697
8/27/2004	84	A	4846	59.4820
8/28/2004	84	A	4847	59.4943
8/29/2004	84	A	4848	59.5066
1/19/2005	84	A	4849	59.5188
1/20/2005	84	A	4850	59.5311
4/29/2005	84	A	4851	59.5434
5/17/2005	84	A	4852	59.5557
6/20/2005	84	A	4853	59.5679
8/1/2005	84	A	4854	59.5802
7/11/2006	84	A	4855	59.5925
9/5/2006	84	Ae	4856	59.6048
2/9/2009	84	A	4857	59.6170
2/10/2009	84	A	4858	59.6293
2/11/2009	84	A	4859	59.6416
1/5/1987	85	A	4860	59.6539
5/29/1987	85	A	4861	59.6661
3/8/1988	85	A	4862	59.6784
3/15/1988	85	A	4863	59.6907
3/19/1988	85	A	4864	59.7030
5/1/1988	85	A	4865	59.7152
5/5/1988	85	A	4866	59.7275
5/23/1988	85	A	4867	59.7398
6/24/1991	85	A	4868	59.7521
8/9/1991	85	A	4869	59.7643
8/20/1991	85	A	4870	59.7766
3/9/1992	85	A	4871	59.7889
4/5/1992	85	A	4872	59.8012

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
6/8/1992	85	A	4873	59.8134
8/27/1992	85	A	4874	59.8257
8/21/1993	85	A	4875	59.8380
7/31/1994	85	A	4876	59.8503
1/28/1995	85	A	4877	59.8625
3/19/1995	85	A	4878	59.8748
7/25/1995	85	A	4879	59.8871
7/2/1996	85	A	4880	59.8993
9/22/1996	85	A	4881	59.9116
11/4/1996	85	A	4882	59.9239
11/7/1996	85	A	4883	59.9362
12/6/1997	85	A	4884	59.9484
12/27/1997	85	A	4885	59.9607
6/14/1998	85	Ae	4886	59.9730
1/26/1999	85	Ae	4887	59.9853
3/1/1999	85	Ae	4888	59.9975
5/2/1999	85	A	4889	60.0098
12/22/1999	85	A	4890	60.0221
5/6/2001	85	A	4891	60.0344
5/29/2001	85	A	4892	60.0466
6/26/2001	85	A	4893	60.0589
8/29/2001	85	A	4894	60.0712
10/18/2002	85	A	4895	60.0835
6/28/2003	85	A	4896	60.0957
7/1/2003	85	A	4897	60.1080
10/27/2003	85	A	4898	60.1203
5/24/2004	85	A	4899	60.1326
5/25/2004	85	A	4900	60.1448
5/30/2004	85	A	4901	60.1571
6/2/2004	85	A	4902	60.1694
8/7/2004	85	A	4903	60.1817
9/2/2004	85	A	4904	60.1939
9/20/2004	85	A	4905	60.2062
12/25/2004	85	A	4906	60.2185
1/28/2005	85	A	4907	60.2308
6/22/2005	85	A	4908	60.2430
7/7/2005	85	A	4909	60.2553
7/24/2005	85	A	4910	60.2676
7/30/2005	85	A	4911	60.2799
10/15/2005	85	A	4912	60.2921
7/14/2006	85	A	4913	60.3044
5/11/2007	85	A	4914	60.3167
7/9/2008	85	A	4915	60.3290
2/6/2009	85	A	4916	60.3412
2/12/2009	85	A	4917	60.3535
3/28/2009	85	A	4918	60.3658
3/29/2009	85	A	4919	60.3781
5/22/2009	85	A	4920	60.3903
7/4/2009	85	A	4921	60.4026
5/7/2010	85	A	4922	60.4149
5/28/1987	86	A	4923	60.4272
7/24/1988	86	A	4924	60.4394
5/10/1991	86	A	4925	60.4517
3/4/1992	86	A	4926	60.4640
8/25/1992	86	A	4927	60.4762
10/8/1992	86	A	4928	60.4885

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
11/13/1992	86	A	4929	60.5008
2/25/1993	86	A	4930	60.5131
3/1/1993	86	A	4931	60.5253
3/2/1993	86	A	4932	60.5376
12/8/1993	86	A	4933	60.5499
12/20/1993	86	A	4934	60.5622
10/4/1994	86	A	4935	60.5744
1/30/1995	86	A	4936	60.5867
2/24/1995	86	A	4937	60.5990
3/3/1995	86	A	4938	60.6113
3/24/1995	86	A	4939	60.6235
5/18/1995	86	A	4940	60.6358
9/20/1996	86	A	4941	60.6481
9/24/1996	86	A	4942	60.6604
11/1/1996	86	A	4943	60.6726
5/16/1997	86	A	4944	60.6849
12/4/1997	86	A	4945	60.6972
6/2/1998	86	A	4946	60.7095
7/9/1998	86	A	4947	60.7217
5/3/1999	86	A	4948	60.7340
12/18/2000	86	A	4949	60.7463
2/2/2001	86	A	4950	60.7586
6/11/2001	86	A	4951	60.7708
7/30/2001	86	A	4952	60.7831
11/5/2002	86	A	4953	60.7954
10/22/2003	86	A	4954	60.8077
6/5/2004	86	A	4955	60.8199
8/24/2004	86	A	4956	60.8322
12/13/2004	86	A	4957	60.8445
12/24/2004	86	A	4958	60.8568
5/5/2005	86	A	4959	60.8690
7/31/2005	86	A	4960	60.8813
8/9/2005	86	A	4961	60.8936
8/11/2005	86	Ae	4962	60.9059
10/13/2005	86	A	4963	60.9181
10/26/2005	86	Ae	4964	60.9304
11/17/2005	86	A	4965	60.9427
11/18/2005	86	A	4966	60.9550
10/30/2006	86	A	4967	60.9672
11/17/2008	86	A	4968	60.9795
2/7/2009	86	A	4969	60.9918
4/11/2009	86	A	4970	61.0041
6/3/2009	86	A	4971	61.0163
6/4/2009	86	A	4972	61.0286
1/10/1987	87	A	4973	61.0409
5/27/1987	87	A	4974	61.0531
3/9/1988	87	A	4975	61.0654
5/27/1988	87	A	4976	61.0777
5/9/1991	87	A	4977	61.0900
12/29/1991	87	A	4978	61.1022
12/31/1991	87	A	4979	61.1145
1/6/1992	87	A	4980	61.1268
3/7/1992	87	A	4981	61.1391
4/4/1992	87	A	4982	61.1513
6/10/1992	87	A	4983	61.1636
1/9/1995	87	A	4984	61.1759

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
1/26/1995	87	A	4985	61.1882
5/14/1995	87	A	4986	61.2004
5/15/1995	87	A	4987	61.2127
1/3/1996	87	A	4988	61.2250
6/11/1996	87	A	4989	61.2373
6/12/1996	87	A	4990	61.2495
11/3/1996	87	A	4991	61.2618
11/12/1997	87	A	4992	61.2741
1/7/1998	87	A	4993	61.2864
12/16/1999	87	A	4994	61.2986
5/10/2000	87	A	4995	61.3109
9/12/2000	87	A	4996	61.3232
11/26/2000	87	A	4997	61.3355
5/25/2001	87	A	4998	61.3477
6/6/2004	87	A	4999	61.3600
11/28/2004	87	A	5000	61.3723
1/21/2005	87	A	5001	61.3846
4/28/2005	87	A	5002	61.3968
5/6/2005	87	A	5003	61.4091
6/24/2005	87	A	5004	61.4214
2/14/2008	87	Ae	5005	61.4337
5/21/2009	87	A	5006	61.4459
10/22/2009	87	A	5007	61.4582
6/6/1987	88	A	5008	61.4705
3/12/1988	88	A	5009	61.4828
4/27/1988	88	A	5010	61.4950
5/12/1988	88	A	5011	61.5073
7/28/1991	88	A	5012	61.5196
11/11/1991	88	A	5013	61.5319
1/5/1992	88	A	5014	61.5441
3/3/1992	88	A	5015	61.5564
8/24/1992	88	A	5016	61.5687
10/3/1992	88	A	5017	61.5810
1/4/1993	88	A	5018	61.5932
2/26/1993	88	A	5019	61.6055
3/3/1993	88	A	5020	61.6178
1/1/1994	88	A	5021	61.6300
10/2/1994	88	A	5022	61.6423
10/3/1994	88	A	5023	61.6546
2/20/1995	88	A	5024	61.6669
2/23/1995	88	A	5025	61.6791
5/20/1995	88	A	5026	61.6914
1/10/1996	88	A	5027	61.7037
1/15/1996	88	A	5028	61.7160
6/8/1996	88	A	5029	61.7282
10/17/1996	88	A	5030	61.7405
11/8/1996	88	A	5031	61.7528
1/3/1998	88	A	5032	61.7651
1/10/1998	88	A	5033	61.7773
1/15/1998	88	A	5034	61.7896
1/22/1998	88	A	5035	61.8019
2/19/1999	88	A	5036	61.8142
4/27/1999	88	A	5037	61.8264
5/5/1999	88	A	5038	61.8387
6/21/1999	88	A	5039	61.8510
10/7/2000	88	A	5040	61.8633

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
1/28/2001	88	A	5041	61.8755
6/22/2001	88	A	5042	61.8878
8/27/2001	88	A	5043	61.9001
8/28/2001	88	A	5044	61.9124
5/5/2002	88	A	5045	61.9246
10/27/2002	88	A	5046	61.9369
11/4/2002	88	A	5047	61.9492
11/11/2002	88	A	5048	61.9615
1/29/2003	88	A	5049	61.9737
1/30/2003	88	A	5050	61.9860
6/29/2003	88	A	5051	61.9983
5/31/2004	88	A	5052	62.0106
6/12/2004	88	A	5053	62.0228
8/21/2004	88	A	5054	62.0351
8/22/2004	88	A	5055	62.0474
8/23/2004	88	A	5056	62.0597
4/27/2005	88	A	5057	62.0719
5/4/2005	88	A	5058	62.0842
7/3/2005	88	Ae	5059	62.0965
3/15/2006	88	A	5060	62.1088
11/8/2006	88	A	5061	62.1210
5/10/2007	88	A	5062	62.1333
5/23/2008	88	A	5063	62.1456
2/8/2009	88	A	5064	62.1578
7/21/2009	88	A	5065	62.1701
5/15/2010	88	A	5066	62.1824
5/26/1987	89	A	5067	62.1947
3/3/1988	89	A	5068	62.2069
3/7/1988	89	A	5069	62.2192
3/18/1988	89	A	5070	62.2315
4/26/1988	89	A	5071	62.2438
4/30/1988	89	A	5072	62.2560
3/2/1992	89	A	5073	62.2683
3/8/1992	89	A	5074	62.2806
3/21/1992	89	A	5075	62.2929
3/26/1992	89	A	5076	62.3051
6/9/1992	89	A	5077	62.3174
10/4/1992	89	A	5078	62.3297
11/27/1992	89	A	5079	62.3420
2/11/1993	89	A	5080	62.3542
2/21/1993	89	A	5081	62.3665
2/28/1993	89	A	5082	62.3788
6/2/1994	89	A	5083	62.3911
7/28/1994	89	A	5084	62.4033
1/29/1995	89	A	5085	62.4156
3/18/1995	89	A	5086	62.4279
12/20/1995	89	A	5087	62.4402
10/31/1996	89	A	5088	62.4524
11/2/1996	89	A	5089	62.4647
11/10/1996	89	A	5090	62.4770
11/17/1997	89	A	5091	62.4893
1/2/1998	89	A	5092	62.5015
6/1/1998	89	A	5093	62.5138
7/28/2000	89	A	5094	62.5261
5/21/2001	89	A	5095	62.5384
6/21/2001	89	A	5096	62.5506

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
5/23/2004	89	A	5097	62.5629
4/30/2005	89	A	5098	62.5752
5/7/2005	89	A	5099	62.5875
4/23/2006	89	A	5100	62.5997
5/9/2007	89	A	5101	62.6120
6/2/2009	89	A	5102	62.6243
10/16/2009	89	A	5103	62.6366
5/25/1987	90	A	5104	62.6488
3/6/1988	90	A	5105	62.6611
5/10/1988	90	A	5106	62.6734
5/11/1988	90	A	5107	62.6857
12/12/1991	90	A	5108	62.6979
8/15/1992	90	A	5109	62.7102
8/23/1992	90	A	5110	62.7225
9/13/1992	90	A	5111	62.7347
5/31/1994	90	A	5112	62.7470
6/1/1994	90	A	5113	62.7593
2/19/1995	90	A	5114	62.7716
3/23/1995	90	A	5115	62.7838
5/7/1995	90	A	5116	62.7961
6/14/1995	90	A	5117	62.8084
10/18/1996	90	A	5118	62.8207
11/6/1996	90	A	5119	62.8329
5/15/1997	90	A	5120	62.8452
11/8/1997	90	A	5121	62.8575
12/1/1997	90	A	5122	62.8698
12/5/1997	90	A	5123	62.8820
6/3/1998	90	A	5124	62.8943
6/30/1998	90	Ae	5125	62.9066
1/15/1999	90	Ae	5126	62.9189
4/26/1999	90	A	5127	62.9311
5/4/1999	90	A	5128	62.9434
12/15/1999	90	A	5129	62.9557
7/20/2000	90	A	5130	62.9680
3/11/2001	90	A	5131	62.9802
11/9/2002	90	A	5132	62.9925
1/28/2003	90	A	5133	63.0048
10/21/2003	90	A	5134	63.0171
6/11/2004	90	A	5135	63.0293
12/10/2004	90	A	5136	63.0416
6/19/2005	90	A	5137	63.0539
10/24/2005	90	Ae	5138	63.0662
7/2/2006	90	A	5139	63.0784
5/8/2007	90	A	5140	63.0907
4/12/2009	90	A	5141	63.1030
5/20/2009	90	A	5142	63.1153
8/30/2009	90	A	5143	63.1275
12/27/1986	91	A	5144	63.1398
3/4/1988	91	A	5145	63.1521
3/13/1988	91	A	5146	63.1644
3/14/1988	91	A	5147	63.1766
4/19/1991	91	A	5148	63.1889
4/20/1991	91	A	5149	63.2012
5/5/1991	91	A	5150	63.2135
3/13/1992	91	A	5151	63.2257
8/26/1992	91	A	5152	63.2380

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
10/2/1992	91	A	5153	63.2503
1/3/1993	91	A	5154	63.2626
2/18/1993	91	A	5155	63.2748
10/1/1994	91	A	5156	63.2871
12/11/1994	91	A	5157	63.2994
5/2/1995	91	A	5158	63.3116
9/23/1996	91	A	5159	63.3239
9/30/1996	91	A	5160	63.3362
10/16/1996	91	A	5161	63.3485
12/4/1996	91	A	5162	63.3607
5/14/1997	91	A	5163	63.3730
1/21/1998	91	A	5164	63.3853
5/31/1998	91	A	5165	63.3976
7/1/2000	91	A	5166	63.4098
1/30/2001	91	A	5167	63.4221
2/1/2001	91	A	5168	63.4344
5/28/2001	91	A	5169	63.4467
1/18/2005	91	A	5170	63.4589
2/13/2005	91	A	5171	63.4712
4/26/2005	91	A	5172	63.4835
7/10/2006	91	A	5173	63.4958
2/5/2009	91	A	5174	63.5080
5/6/2010	91	A	5175	63.5203
6/5/1987	92	A	5176	63.5326
4/25/1988	92	A	5177	63.5449
5/22/1988	92	A	5178	63.5571
5/4/1991	92	A	5179	63.5694
12/3/1991	92	A	5180	63.5817
4/3/1992	92	A	5181	63.5940
10/7/1992	92	A	5182	63.6062
11/3/1992	92	A	5183	63.6185
11/7/1992	92	A	5184	63.6308
2/27/1993	92	A	5185	63.6431
12/19/1993	92	A	5186	63.6553
3/21/1995	92	A	5187	63.6676
5/19/1995	92	A	5188	63.6799
3/27/1996	92	A	5189	63.6922
7/27/1996	92	A	5190	63.7044
11/24/1997	92	A	5191	63.7167
2/1/2000	92	A	5192	63.7290
6/3/2001	92	A	5193	63.7413
6/6/2001	92	A	5194	63.7535
6/23/2001	92	A	5195	63.7658
7/27/2001	92	A	5196	63.7781
11/3/2002	92	A	5197	63.7904
1/31/2003	92	A	5198	63.8026
1/27/2005	92	A	5199	63.8149
6/23/2005	92	A	5200	63.8272
10/22/2005	92	Ae	5201	63.8395
6/25/2006	92	A	5202	63.8517
3/14/2007	92	A	5203	63.8640
10/26/2009	92	A	5204	63.8763
5/19/1987	93	A	5205	63.8885
1/22/1988	93	A	5206	63.9008
4/29/1988	93	A	5207	63.9131
2/17/1992	93	A	5208	63.9254

Millsboro Q Frequencies	Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
	10/1/1992	93	A	5209	63.9376
	11/6/1992	93	A	5210	63.9499
	2/9/1993	93	A	5211	63.9622
	2/10/1993	93	A	5212	63.9745
	12/28/1993	93	A	5213	63.9867
	12/29/1993	93	A	5214	63.9990
	12/31/1993	93	A	5215	64.0113
	9/30/1994	93	A	5216	64.0236
	3/2/1995	93	A	5217	64.0358
	3/8/1995	93	A	5218	64.0481
	3/17/1995	93	A	5219	64.0604
	1/16/1996	93	A	5220	64.0727
	3/26/1996	93	A	5221	64.0849
	8/17/1996	93	A	5222	64.0972
	5/13/1997	93	A	5223	64.1095
	4/21/1999	93	A	5224	64.1218
	5/8/2000	93	A	5225	64.1340
	10/5/2000	93	A	5226	64.1463
	1/27/2001	93	A	5227	64.1586
	2/12/2001	93	A	5228	64.1709
	5/26/2001	93	A	5229	64.1831
	1/24/2003	93	A	5230	64.1954
	1/25/2003	93	A	5231	64.2077
	1/26/2003	93	A	5232	64.2200
	10/28/2003	93	A	5233	64.2322
	4/10/2004	93	A	5234	64.2445
	5/16/2004	93	A	5235	64.2568
	8/5/2004	93	A	5236	64.2691
	8/6/2004	93	A	5237	64.2813
	8/20/2004	93	A	5238	64.2936
	9/19/2004	93	A	5239	64.3059
	1/22/2005	93	A	5240	64.3182
	1/25/2005	93	A	5241	64.3304
	1/26/2005	93	A	5242	64.3427
	2/12/2005	93	A	5243	64.3550
	5/3/2005	93	A	5244	64.3673
	10/14/2005	93	A	5245	64.3795
	11/10/2006	93	A	5246	64.3918
	1/26/2009	93	A	5247	64.4041
	3/2/2009	93	A	5248	64.4163
	5/25/2009	93	A	5249	64.4286
	1/4/1987	94	A	5250	64.4409
	3/1/1988	94	A	5251	64.4532
	3/11/1988	94	A	5252	64.4654
	4/13/1991	94	A	5253	64.4777
	3/1/1992	94	A	5254	64.4900
	5/11/1992	94	A	5255	64.5023
	12/28/1992	94	A	5256	64.5145
	2/3/1993	94	A	5257	64.5268
	2/16/1993	94	A	5258	64.5391
	2/17/1993	94	A	5259	64.5514
	5/31/1993	94	A	5260	64.5636
	1/25/1995	94	A	5261	64.5759
	2/7/1995	94	A	5262	64.5882
	1/11/1996	94	A	5263	64.6005
	5/8/1997	94	A	5264	64.6127

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
10/20/1999	94	A	5265	64.6250
5/9/2000	94	A	5266	64.6373
8/22/2000	94	A	5267	64.6496
9/18/2000	94	A	5268	64.6618
6/25/2001	94	A	5269	64.6741
8/26/2001	94	A	5270	64.6864
5/4/2002	94	A	5271	64.6987
5/17/2004	94	A	5272	64.7109
5/22/2004	94	A	5273	64.7232
9/1/2004	94	A	5274	64.7355
6/4/2008	94	A	5275	64.7478
6/7/2008	94	A	5276	64.7600
12/1/2008	94	A	5277	64.7723
5/19/2009	94	A	5278	64.7846
2/29/1988	95	A	5279	64.7969
3/2/1988	95	A	5280	64.8091
4/23/1988	95	A	5281	64.8214
5/9/1988	95	A	5282	64.8337
5/8/1991	95	A	5283	64.8460
8/16/1992	95	A	5284	64.8582
1/2/1993	95	A	5285	64.8705
2/24/1993	95	A	5286	64.8828
12/27/1993	95	A	5287	64.8951
5/24/1994	95	A	5288	64.9073
3/16/1995	95	A	5289	64.9196
4/14/1995	95	A	5290	64.9319
6/7/1996	95	A	5291	64.9442
10/30/1996	95	A	5292	64.9564
11/9/1996	95	A	5293	64.9687
4/21/1997	95	A	5294	64.9810
1/1/1998	95	A	5295	64.9932
9/11/2000	95	A	5296	65.0055
10/6/2000	95	A	5297	65.0178
3/10/2001	95	A	5298	65.0301
1/27/2003	95	A	5299	65.0423
4/9/2004	95	A	5300	65.0546
5/27/2004	95	A	5301	65.0669
5/29/2004	95	A	5302	65.0792
6/1/2004	95	A	5303	65.0914
1/30/2005	95	A	5304	65.1037
2/4/2005	95	A	5305	65.1160
10/12/2005	95	A	5306	65.1283
11/27/2005	95	A	5307	65.1405
2/11/2007	95	A	5308	65.1528
2/12/2007	95	A	5309	65.1651
5/7/2007	95	A	5310	65.1774
1/17/2009	95	A	5311	65.1896
7/1/2009	95	A	5312	65.2019
7/3/2009	95	A	5313	65.2142
5/20/2010	95	A	5314	65.2265
1/11/1987	96	A	5315	65.2387
7/6/1987	96	A	5316	65.2510
1/20/1988	96	A	5317	65.2633
4/18/1991	96	A	5318	65.2756
11/5/1992	96	A	5319	65.2878
12/27/1992	96	A	5320	65.3001

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
2/5/1993	96	A	5321	65.3124
2/8/1993	96	A	5322	65.3247
2/4/1995	96	A	5323	65.3369
2/21/1995	96	A	5324	65.3492
2/22/1995	96	A	5325	65.3615
3/1/1995	96	A	5326	65.3738
3/25/1996	96	A	5327	65.3860
6/2/1996	96	A	5328	65.3983
10/15/1996	96	A	5329	65.4106
5/12/1997	96	A	5330	65.4229
1/8/1998	96	A	5331	65.4351
1/9/1998	96	A	5332	65.4474
1/20/1998	96	A	5333	65.4597
4/25/1999	96	A	5334	65.4720
3/18/2000	96	A	5335	65.4842
11/27/2000	96	A	5336	65.4965
1/31/2001	96	A	5337	65.5088
5/5/2001	96	A	5338	65.5211
11/8/2002	96	A	5339	65.5333
2/20/2005	96	A	5340	65.5456
6/18/2005	96	A	5341	65.5579
7/23/2005	96	A	5342	65.5701
10/25/2005	96	Ae	5343	65.5824
11/28/2005	96	A	5344	65.5947
2/10/2007	96	Ae	5345	65.6070
1/18/2009	96	A	5346	65.6192
1/27/2009	96	A	5347	65.6315
5/5/2010	96	A	5348	65.6438
1/27/2011	96	A	5349	65.6561
5/24/1987	97	A	5350	65.6683
3/5/1988	97	A	5351	65.6806
4/24/1988	97	A	5352	65.6929
4/12/1991	97	A	5353	65.7052
8/21/1991	97	A	5354	65.7174
2/2/1993	97	A	5355	65.7297
2/4/1993	97	A	5356	65.7420
6/12/1993	97	A	5357	65.7543
7/15/1993	97	A	5358	65.7665
5/25/1994	97	A	5359	65.7788
11/23/1994	97	A	5360	65.7911
1/17/1996	97	A	5361	65.8034
11/5/1996	97	A	5362	65.8156
4/22/1999	97	A	5363	65.8279
4/23/1999	97	A	5364	65.8402
2/20/2000	97	A	5365	65.8525
10/4/2000	97	A	5366	65.8647
1/26/2001	97	A	5367	65.8770
2/21/2001	97	A	5368	65.8893
2/22/2001	97	A	5369	65.9016
6/10/2001	97	A	5370	65.9138
1/23/2003	97	A	5371	65.9261
10/20/2003	97	A	5372	65.9384
5/15/2004	97	A	5373	65.9507
5/28/2004	97	A	5374	65.9629
11/29/2005	97	A	5375	65.9752
3/14/2006	97	A	5376	65.9875

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
10/8/2006	97	A	5377	65.9998
10/28/2006	97	A	5378	66.0120
2/9/2007	97	A	5379	66.0243
5/13/2007	97	A	5380	66.0366
5/19/2008	97	A	5381	66.0489
5/22/2008	97	A	5382	66.0611
1/22/2009	97	A	5383	66.0734
1/25/2009	97	A	5384	66.0857
5/6/1991	98	A	5385	66.0980
4/2/1992	98	A	5386	66.1102
8/22/1992	98	A	5387	66.1225
9/12/1992	98	A	5388	66.1348
2/6/1993	98	A	5389	66.1470
2/7/1993	98	A	5390	66.1593
12/30/1993	98	A	5391	66.1716
4/27/1994	98	A	5392	66.1839
5/30/1994	98	A	5393	66.1961
1/24/1995	98	A	5394	66.2084
2/18/1995	98	A	5395	66.2207
5/13/1995	98	A	5396	66.2330
11/16/1995	98	A	5397	66.2452
1/13/1996	98	A	5398	66.2575
10/28/1996	98	A	5399	66.2698
10/29/1996	98	A	5400	66.2821
11/23/1997	98	A	5401	66.2943
1/19/1998	98	A	5402	66.3066
5/30/1998	98	A	5403	66.3189
6/29/1998	98	A	5404	66.3312
10/23/1999	98	A	5405	66.3434
9/25/2000	98	A	5406	66.3557
2/11/2001	98	A	5407	66.3680
2/15/2001	98	A	5408	66.3803
2/16/2001	98	A	5409	66.3925
2/20/2001	98	A	5410	66.4048
2/28/2001	98	A	5411	66.4171
3/1/2001	98	A	5412	66.4294
3/2/2001	98	A	5413	66.4416
3/3/2001	98	A	5414	66.4539
5/21/2004	98	A	5415	66.4662
2/3/2005	98	A	5416	66.4785
2/19/2005	98	A	5417	66.4907
3/22/2005	98	A	5418	66.5030
7/2/2005	98	Ae	5419	66.5153
8/10/2005	98	Ae	5420	66.5276
3/12/2006	98	A	5421	66.5398
3/13/2006	98	A	5422	66.5521
11/12/2006	98	A	5423	66.5644
3/12/2007	98	A	5424	66.5767
3/13/2007	98	A	5425	66.5889
3/15/2007	98	A	5426	66.6012
1/23/2009	98	A	5427	66.6135
6/17/2009	98	A	5428	66.6258
5/18/1987	99	A	5429	66.6380
2/28/1988	99	A	5430	66.6503
4/22/1988	99	A	5431	66.6626
4/28/1988	99	A	5432	66.6748

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
4/17/1991	99	A	5433	66.6871
10/6/1992	99	A	5434	66.6994
12/29/1992	99	A	5435	66.7117
5/5/1993	99	A	5436	66.7239
5/18/1994	99	A	5437	66.7362
5/23/1994	99	A	5438	66.7485
8/16/1994	99	A	5439	66.7608
6/7/1995	99	A	5440	66.7730
6/13/1995	99	A	5441	66.7853
3/24/1996	99	A	5442	66.7976
7/26/1996	99	A	5443	66.8099
4/20/1997	99	A	5444	66.8221
11/14/1997	99	A	5445	66.8344
11/22/1997	99	A	5446	66.8467
6/16/1998	99	Ae	5447	66.8590
4/19/1999	99	A	5448	66.8712
4/20/1999	99	A	5449	66.8835
6/29/2000	99	A	5450	66.8958
3/9/2001	99	A	5451	66.9081
4/2/2002	99	A	5452	66.9203
10/19/2003	99	A	5453	66.9326
8/19/2004	99	A	5454	66.9449
11/29/2004	99	A	5455	66.9572
11/9/2006	99	A	5456	66.9694
2/6/2007	99	A	5457	66.9817
2/7/2007	99	A	5458	66.9940
2/8/2007	99	A	5459	67.0063
4/11/2007	99	A	5460	67.0185
2/1/2009	99	A	5461	67.0308
2/2/2009	99	A	5462	67.0431
10/17/2009	99	A	5463	67.0554
10/21/2009	99	A	5464	67.0676
5/4/2010	99	A	5465	67.0799
12/10/1991	100	A	5466	67.0922
4/1/1992	100	A	5467	67.1045
11/4/1992	100	A	5468	67.1167
12/26/1992	100	A	5469	67.1290
2/15/1993	100	A	5470	67.1413
4/26/1994	100	A	5471	67.1536
3/28/1996	100	A	5472	67.1658
10/27/1996	100	A	5473	67.1781
4/22/1997	100	A	5474	67.1904
4/27/1997	100	A	5475	67.2027
12/31/1997	100	A	5476	67.2149
2/19/1998	100	Ae	5477	67.2272
5/29/1998	100	A	5478	67.2395
6/13/1998	100	Ae	5479	67.2517
3/20/1999	100	A	5480	67.2640
4/18/1999	100	A	5481	67.2763
9/17/1999	100	Ae	5482	67.2886
2/19/2000	100	A	5483	67.3008
3/17/2000	100	A	5484	67.3131
2/13/2001	100	A	5485	67.3254
2/25/2001	100	A	5486	67.3377
3/4/2001	100	A	5487	67.3499
5/2/2002	100	A	5488	67.3622

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
2/14/2003	100	A	5489	67.3745
10/14/2003	100	A	5490	67.3868
4/6/2004	100	A	5491	67.3990
4/7/2004	100	A	5492	67.4113
8/31/2004	100	A	5493	67.4236
1/24/2005	100	A	5494	67.4359
2/2/2005	100	A	5495	67.4481
2/5/2005	100	A	5496	67.4604
2/11/2005	100	A	5497	67.4727
2/14/2005	100	A	5498	67.4850
10/21/2005	100	Ae	5499	67.4972
3/11/2006	100	A	5500	67.5095
2/3/2009	100	A	5501	67.5218
2/4/2009	100	A	5502	67.5341
6/30/2009	100	A	5503	67.5463
2/27/1988	101	A	5504	67.5586
5/26/1988	101	A	5505	67.5709
10/19/1991	101	A	5506	67.5832
10/5/1992	101	A	5507	67.5954
5/30/1993	101	A	5508	67.6077
12/26/1993	101	A	5509	67.6200
5/17/1994	101	A	5510	67.6323
9/25/1994	101	A	5511	67.6445
3/15/1995	101	A	5512	67.6568
3/22/1995	101	A	5513	67.6691
10/14/1996	101	A	5514	67.6814
12/2/1996	101	A	5515	67.6936
5/7/1997	101	A	5516	67.7059
4/7/1999	101	A	5517	67.7182
4/8/1999	101	A	5518	67.7305
1/25/2001	101	A	5519	67.7427
3/8/2001	101	A	5520	67.7550
3/30/2004	101	A	5521	67.7673
5/14/2004	101	A	5522	67.7796
3/21/2005	101	A	5523	67.7918
4/25/2005	101	A	5524	67.8041
5/20/2008	101	A	5525	67.8164
5/21/2008	101	A	5526	67.8286
1/21/2009	101	A	5527	67.8409
1/24/2009	101	A	5528	67.8532
6/1/2009	101	A	5529	67.8655
5/17/1987	102	A	5530	67.8777
3/10/1988	102	A	5531	67.8900
3/26/1988	102	A	5532	67.9023
5/21/1988	102	A	5533	67.9146
3/17/1991	102	A	5534	67.9268
5/3/1991	102	A	5535	67.9391
12/5/1991	102	A	5536	67.9514
3/20/1992	102	A	5537	67.9637
1/1/1993	102	A	5538	67.9759
12/18/1993	102	A	5539	67.9882
5/22/1994	102	A	5540	68.0005
9/22/1994	102	A	5541	68.0128
5/3/1995	102	A	5542	68.0250
7/17/1996	102	A	5543	68.0373
10/26/1996	102	A	5544	68.0496

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
12/3/1996	102	A	5545	68.0619
1/18/1998	102	A	5546	68.0741
5/27/1998	102	A	5547	68.0864
6/17/1998	102	A	5548	68.0987
3/19/1999	102	A	5549	68.1110
5/6/2000	102	A	5550	68.1232
5/7/2000	102	A	5551	68.1355
5/25/2000	102	A	5552	68.1478
7/27/2000	102	A	5553	68.1601
2/14/2001	102	A	5554	68.1723
2/19/2001	102	A	5555	68.1846
2/24/2001	102	A	5556	68.1969
5/22/2001	102	A	5557	68.2092
5/27/2001	102	A	5558	68.2214
8/24/2001	102	A	5559	68.2337
8/25/2001	102	A	5560	68.2460
10/10/2003	102	A	5561	68.2583
3/14/2004	102	A	5562	68.2705
3/29/2004	102	A	5563	68.2828
4/8/2004	102	A	5564	68.2951
5/13/2004	102	A	5565	68.3074
5/26/2004	102	A	5566	68.3196
1/17/2005	102	A	5567	68.3319
2/6/2005	102	A	5568	68.3442
2/7/2005	102	A	5569	68.3565
2/8/2005	102	A	5570	68.3687
2/9/2005	102	A	5571	68.3810
3/20/2005	102	A	5572	68.3933
7/14/2005	102	A	5573	68.4055
7/22/2005	102	A	5574	68.4178
5/31/2009	102	A	5575	68.4301
7/2/2009	102	A	5576	68.4424
9/29/2009	102	A	5577	68.4546
4/11/1991	103	A	5578	68.4669
3/19/1992	103	A	5579	68.4792
12/25/1992	103	A	5580	68.4915
2/12/1993	103	A	5581	68.5037
6/8/1993	103	A	5582	68.5160
11/14/1995	103	A	5583	68.5283
1/9/1996	103	A	5584	68.5406
6/13/1996	103	A	5585	68.5528
9/14/1996	103	A	5586	68.5651
4/23/1997	103	A	5587	68.5774
12/29/1997	103	A	5588	68.5897
8/11/2000	103	A	5589	68.6019
8/21/2000	103	A	5590	68.6142
9/17/2000	103	A	5591	68.6265
10/3/2000	103	A	5592	68.6388
2/23/2001	103	A	5593	68.6510
6/20/2001	103	A	5594	68.6633
8/23/2001	103	A	5595	68.6756
4/28/2002	103	A	5596	68.6879
1/22/2003	103	A	5597	68.7001
6/30/2003	103	A	5598	68.7124
10/13/2003	103	A	5599	68.7247
3/27/2004	103	A	5600	68.7370

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
3/28/2004	103	A	5601	68.7492
5/20/2004	103	A	5602	68.7615
11/13/2004	103	A	5603	68.7738
1/14/2005	103	A	5604	68.7861
2/1/2005	103	A	5605	68.7983
7/1/2005	103	Ae	5606	68.8106
3/8/2006	103	A	5607	68.8229
3/9/2006	103	A	5608	68.8352
5/4/2007	103	A	5609	68.8474
7/6/2008	103	A	5610	68.8597
11/15/2008	103	A	5611	68.8720
1/4/2009	103	A	5612	68.8843
1/5/2009	103	A	5613	68.8965
1/16/2009	103	A	5614	68.9088
5/3/2010	103	A	5615	68.9211
4/3/1988	104	A	5616	68.9333
4/21/1988	104	A	5617	68.9456
5/19/1988	104	A	5618	68.9579
12/11/1991	104	A	5619	68.9702
3/30/1992	104	A	5620	68.9824
12/17/1992	104	A	5621	68.9947
1/2/1994	104	A	5622	69.0070
4/25/1994	104	A	5623	69.0193
4/28/1994	104	A	5624	69.0315
3/14/1995	104	A	5625	69.0438
5/5/1997	104	A	5626	69.0561
5/6/1997	104	A	5627	69.0684
5/27/1997	104	A	5628	69.0806
5/28/1998	104	A	5629	69.0929
3/21/1999	104	A	5630	69.1052
4/9/1999	104	A	5631	69.1175
1/31/2000	104	A	5632	69.1297
9/15/2000	104	A	5633	69.1420
1/24/2001	104	A	5634	69.1543
5/4/2001	104	A	5635	69.1666
2/13/2003	104	A	5636	69.1788
10/18/2003	104	A	5637	69.1911
2/21/2005	104	A	5638	69.2034
3/19/2005	104	A	5639	69.2157
6/5/2005	104	A	5640	69.2279
3/10/2006	104	A	5641	69.2402
7/4/2006	104	A	5642	69.2525
2/13/2007	104	A	5643	69.2648
5/5/2007	104	A	5644	69.2770
3/8/2008	104	Ae	5645	69.2893
5/16/1987	105	A	5646	69.3016
5/23/1987	105	A	5647	69.3139
7/5/1987	105	A	5648	69.3261
4/6/1988	105	A	5649	69.3384
5/25/1988	105	A	5650	69.3507
12/30/1991	105	A	5651	69.3630
3/12/1992	105	A	5652	69.3752
3/31/1992	105	A	5653	69.3875
9/10/1992	105	A	5654	69.3998
12/16/1992	105	A	5655	69.4121
12/19/1992	105	A	5656	69.4243

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
5/10/1993	105	A	5657	69.4366
5/11/1993	105	A	5658	69.4489
5/15/1994	105	A	5659	69.4612
5/21/1994	105	A	5660	69.4734
5/26/1994	105	A	5661	69.4857
6/25/1998	105	Ae	5662	69.4980
3/20/2001	105	A	5663	69.5102
1/20/2003	105	A	5664	69.5225
10/9/2003	105	A	5665	69.5348
10/11/2003	105	A	5666	69.5471
3/26/2004	105	A	5667	69.5593
4/5/2004	105	A	5668	69.5716
11/14/2004	105	A	5669	69.5839
12/12/2004	105	A	5670	69.5962
2/18/2005	105	A	5671	69.6084
7/9/2006	105	A	5672	69.6207
10/29/2006	105	A	5673	69.6330
1/19/2009	105	A	5674	69.6453
6/16/2009	105	A	5675	69.6575
8/11/1991	106	A	5676	69.6698
9/26/1991	106	A	5677	69.6821
12/31/1992	106	A	5678	69.6944
6/11/1993	106	A	5679	69.7066
8/16/1996	106	A	5680	69.7189
10/8/1996	106	A	5681	69.7312
11/16/1997	106	A	5682	69.7435
9/10/2000	106	A	5683	69.7557
2/10/2001	106	A	5684	69.7680
5/24/2001	106	A	5685	69.7803
10/12/2002	106	A	5686	69.7926
11/6/2002	106	A	5687	69.8048
11/7/2002	106	A	5688	69.8171
11/12/2002	106	A	5689	69.8294
6/27/2003	106	A	5690	69.8417
3/15/2004	106	A	5691	69.8539
3/31/2004	106	A	5692	69.8662
2/10/2005	106	A	5693	69.8785
4/23/2005	106	A	5694	69.8908
6/17/2005	106	A	5695	69.9030
6/30/2005	106	A	5696	69.9153
11/26/2005	106	A	5697	69.9276
3/7/2006	106	A	5698	69.9399
7/3/2006	106	A	5699	69.9521
12/22/2006	106	A	5700	69.9644
4/9/2007	106	A	5701	69.9767
4/10/2007	106	A	5702	69.9890
5/3/2007	106	A	5703	70.0012
5/6/2007	106	A	5704	70.0135
1/2/2009	106	A	5705	70.0258
1/20/2009	106	A	5706	70.0381
5/30/2009	106	A	5707	70.0503
4/17/1988	107	A	5708	70.0626
4/16/1991	107	A	5709	70.0749
5/7/1991	107	A	5710	70.0871
9/11/1992	107	A	5711	70.0994
9/30/1992	107	A	5712	70.1117

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
12/30/1992	107	A	5713	70.1240
1/31/1993	107	A	5714	70.1362
6/4/1993	107	A	5715	70.1485
6/10/1993	107	A	5716	70.1608
1/23/1994	107	A	5717	70.1731
1/24/1994	107	A	5718	70.1853
1/25/1994	107	A	5719	70.1976
3/23/1996	107	A	5720	70.2099
5/26/1996	107	A	5721	70.2222
6/3/1996	107	A	5722	70.2344
6/6/1996	107	A	5723	70.2467
10/25/1996	107	A	5724	70.2590
4/17/1997	107	A	5725	70.2713
4/19/1997	107	A	5726	70.2835
5/26/1997	107	A	5727	70.2958
12/28/1997	107	A	5728	70.3081
12/30/1997	107	A	5729	70.3204
4/1/1999	107	A	5730	70.3326
4/6/1999	107	A	5731	70.3449
4/14/2000	107	A	5732	70.3572
5/5/2000	107	A	5733	70.3695
6/20/2000	107	A	5734	70.3817
8/19/2000	107	A	5735	70.3940
8/20/2000	107	A	5736	70.4063
4/29/2002	107	A	5737	70.4186
1/19/2003	107	A	5738	70.4308
1/21/2003	107	A	5739	70.4431
2/12/2003	107	A	5740	70.4554
3/24/2004	107	A	5741	70.4677
2/27/2005	107	A	5742	70.4799
3/7/2005	107	A	5743	70.4922
3/17/2005	107	A	5744	70.5045
3/18/2005	107	A	5745	70.5168
4/22/2005	107	A	5746	70.5290
6/1/2005	107	A	5747	70.5413
3/6/2006	107	A	5748	70.5536
6/4/2006	107	A	5749	70.5659
12/20/2006	107	A	5750	70.5781
12/21/2006	107	A	5751	70.5904
2/24/2007	107	A	5752	70.6027
6/2/2008	107	A	5753	70.6150
1/31/2009	107	A	5754	70.6272
5/18/2009	107	A	5755	70.6395
4/2/1988	108	A	5756	70.6518
8/19/1991	108	A	5757	70.6640
2/29/1992	108	A	5758	70.6763
12/18/1992	108	A	5759	70.6886
2/1/1993	108	A	5760	70.7009
5/4/1993	108	A	5761	70.7131
5/12/1993	108	A	5762	70.7254
5/29/1993	108	A	5763	70.7377
6/5/1993	108	A	5764	70.7500
5/14/1994	108	A	5765	70.7622
5/16/1994	108	A	5766	70.7745
2/5/1995	108	A	5767	70.7868
3/13/1995	108	A	5768	70.7991

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
5/5/1995	108	A	5769	70.8113
1/12/1996	108	A	5770	70.8236
5/27/1996	108	A	5771	70.8359
6/1/1996	108	A	5772	70.8482
9/19/1996	108	A	5773	70.8604
12/6/1996	108	A	5774	70.8727
5/11/1997	108	A	5775	70.8850
4/4/1999	108	A	5776	70.8973
4/17/1999	108	A	5777	70.9095
10/2/2000	108	A	5778	70.9218
2/9/2001	108	A	5779	70.9341
3/7/2001	108	A	5780	70.9464
10/17/2002	108	A	5781	70.9586
2/9/2003	108	A	5782	70.9709
3/13/2004	108	A	5783	70.9832
3/25/2004	108	A	5784	70.9955
2/26/2005	108	A	5785	71.0077
4/24/2005	108	A	5786	71.0200
5/31/2005	108	A	5787	71.0323
6/2/2005	108	A	5788	71.0446
7/21/2005	108	A	5789	71.0568
3/5/2006	108	A	5790	71.0691
9/4/2006	108	A	5791	71.0814
5/18/2008	108	A	5792	71.0937
1/1/2009	108	A	5793	71.1059
1/3/2009	108	A	5794	71.1182
2/19/1988	109	A	5795	71.1305
2/25/1988	109	A	5796	71.1428
5/8/1988	109	A	5797	71.1550
4/15/1991	109	A	5798	71.1673
6/3/1993	109	A	5799	71.1796
12/25/1993	109	A	5800	71.1918
7/15/1996	109	A	5801	71.2041
4/11/1997	109	A	5802	71.2164
5/26/1998	109	A	5803	71.2287
10/21/1999	109	A	5804	71.2409
8/6/2000	109	A	5805	71.2532
9/9/2000	109	A	5806	71.2655
5/3/2001	109	A	5807	71.2778
2/10/2003	109	A	5808	71.2900
10/8/2003	109	A	5809	71.3023
5/12/2004	109	A	5810	71.3146
4/21/2005	109	A	5811	71.3269
7/13/2005	109	A	5812	71.3391
6/29/2009	109	A	5813	71.3514
5/2/2010	109	A	5814	71.3637
5/15/1987	110	A	5815	71.3760
4/1/1988	110	A	5816	71.3882
4/4/1988	110	A	5817	71.4005
4/18/1988	110	A	5818	71.4128
4/19/1988	110	A	5819	71.4251
3/16/1991	110	A	5820	71.4373
5/1/1991	110	A	5821	71.4496
1/4/1992	110	A	5822	71.4619
1/30/1993	110	A	5823	71.4742
2/23/1993	110	A	5824	71.4864

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
4/24/1994	110	A	5825	71.4987
2/16/1995	110	A	5826	71.5110
4/16/1997	110	A	5827	71.5233
5/9/1997	110	A	5828	71.5355
6/26/1998	110	Ae	5829	71.5478
4/13/2000	110	A	5830	71.5601
2/27/2001	110	A	5831	71.5724
9/4/2002	110	A	5832	71.5846
2/6/2003	110	A	5833	71.5969
9/17/2003	110	Ae	5834	71.6092
9/18/2003	110	Ae	5835	71.6215
9/22/2003	110	Ae	5836	71.6337
1/23/2005	110	A	5837	71.6460
2/17/2005	110	A	5838	71.6583
3/16/2005	110	A	5839	71.6706
6/16/2005	110	A	5840	71.6828
2/5/2007	110	A	5841	71.6951
5/2/2007	110	A	5842	71.7074
4/14/2009	110	A	5843	71.7197
5/16/2009	110	A	5844	71.7319
5/17/2009	110	A	5845	71.7442
9/14/2009	110	A	5846	71.7565
5/12/1987	111	A	5847	71.7687
5/20/1987	111	A	5848	71.7810
2/22/1988	111	A	5849	71.7933
4/20/1988	111	A	5850	71.8056
3/26/1991	111	A	5851	71.8178
3/11/1992	111	A	5852	71.8301
12/15/1992	111	A	5853	71.8424
5/9/1993	111	A	5854	71.8547
6/9/1993	111	A	5855	71.8669
1/23/1995	111	A	5856	71.8792
10/24/1996	111	A	5857	71.8915
4/18/1997	111	A	5858	71.9038
4/26/1997	111	A	5859	71.9160
1/17/1998	111	A	5860	71.9283
12/17/1999	111	A	5861	71.9406
8/18/2000	111	A	5862	71.9529
9/16/2000	111	A	5863	71.9651
3/19/2001	111	A	5864	71.9774
10/30/2002	111	A	5865	71.9897
2/1/2003	111	A	5866	72.0020
10/17/2003	111	A	5867	72.0142
4/4/2004	111	A	5868	72.0265
1/31/2005	111	A	5869	72.0388
2/20/2007	111	A	5870	72.0511
2/25/2007	111	A	5871	72.0633
3/11/2007	111	A	5872	72.0756
5/1/2007	111	A	5873	72.0879
3/9/2008	111	Ae	5874	72.1002
4/29/2009	111	A	5875	72.1124
4/30/2009	111	A	5876	72.1247
1/3/1987	112	A	5877	72.1370
3/22/1987	112	A	5878	72.1493
5/11/1987	112	A	5879	72.1615
2/24/1988	112	A	5880	72.1738

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
3/27/1991	112	A	5881	72.1861
4/14/1991	112	A	5882	72.1984
5/28/1993	112	A	5883	72.2106
5/20/1994	112	A	5884	72.2229
5/3/1996	112	A	5885	72.2352
10/13/1996	112	A	5886	72.2475
1/16/1998	112	A	5887	72.2597
4/5/1999	112	A	5888	72.2720
6/30/2000	112	A	5889	72.2843
8/5/2000	112	A	5890	72.2966
3/10/2007	112	A	5891	72.3088
5/29/2009	112	A	5892	72.3211
5/22/1987	113	A	5893	72.3334
2/15/1988	113	A	5894	72.3456
2/18/1988	113	A	5895	72.3579
12/20/1992	113	A	5896	72.3702
1/22/1994	113	A	5897	72.3825
2/6/1995	113	A	5898	72.3947
4/29/1996	113	A	5899	72.4070
5/25/1996	113	A	5900	72.4193
12/12/1996	113	A	5901	72.4316
1/20/1997	113	A	5902	72.4438
1/21/1997	113	A	5903	72.4561
4/10/1997	113	A	5904	72.4684
1/23/1998	113	A	5905	72.4807
5/25/1998	113	A	5906	72.4929
4/24/1999	113	A	5907	72.5052
5/4/2000	113	A	5908	72.5175
5/22/2000	113	A	5909	72.5298
7/21/2000	113	A	5910	72.5420
9/8/2000	113	A	5911	72.5543
10/1/2000	113	A	5912	72.5666
2/26/2001	113	A	5913	72.5789
4/30/2001	113	A	5914	72.5911
5/2/2001	113	A	5915	72.6034
1/13/2003	113	A	5916	72.6157
1/16/2003	113	A	5917	72.6280
8/26/2003	113	A	5918	72.6402
10/7/2003	113	A	5919	72.6525
10/12/2003	113	A	5920	72.6648
3/23/2004	113	A	5921	72.6771
12/11/2004	113	A	5922	72.6893
3/6/2005	113	A	5923	72.7016
3/4/2006	113	A	5924	72.7139
6/1/2008	113	A	5925	72.7262
1/6/2009	113	A	5926	72.7384
1/15/2009	113	A	5927	72.7507
5/1/2009	113	A	5928	72.7630
5/10/1987	114	A	5929	72.7753
2/26/1988	114	A	5930	72.7875
4/5/1988	114	A	5931	72.7998
4/10/1991	114	A	5932	72.8121
4/30/1991	114	A	5933	72.8244
10/17/1991	114	A	5934	72.8366
6/7/1993	114	A	5935	72.8489
5/19/1994	114	A	5936	72.8612

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
6/18/1994	114	A	5937	72.8735
1/8/1995	114	A	5938	72.8857
2/17/1995	114	A	5939	72.8980
5/10/1995	114	A	5940	72.9103
3/22/1996	114	A	5941	72.9225
5/4/1996	114	A	5942	72.9348
6/5/1996	114	A	5943	72.9471
4/15/1997	114	A	5944	72.9594
4/16/1999	114	A	5945	72.9716
4/29/2001	114	A	5946	72.9839
2/8/2003	114	A	5947	72.9962
8/27/2003	114	A	5948	73.0085
10/6/2003	114	A	5949	73.0207
11/5/2003	114	A	5950	73.0330
5/30/2005	114	A	5951	73.0453
10/11/2005	114	A	5952	73.0576
3/9/2007	114	Ae	5953	73.0698
3/23/1987	115	A	5954	73.0821
4/16/1988	115	A	5955	73.0944
4/29/1991	115	A	5956	73.1067
9/25/1992	115	A	5957	73.1189
5/6/1993	115	A	5958	73.1312
5/8/1993	115	A	5959	73.1435
5/13/1994	115	A	5960	73.1558
3/12/1995	115	A	5961	73.1680
5/2/1996	115	A	5962	73.1803
5/31/1996	115	A	5963	73.1926
7/16/1996	115	A	5964	73.2049
1/22/1997	115	A	5965	73.2171
3/25/1997	115	A	5966	73.2294
4/12/1997	115	A	5967	73.2417
5/2/1997	115	A	5968	73.2540
4/3/1999	115	A	5969	73.2662
6/24/2001	115	A	5970	73.2785
8/22/2001	115	A	5971	73.2908
1/18/2003	115	A	5972	73.3031
2/7/2003	115	A	5973	73.3153
4/11/2004	115	A	5974	73.3276
3/15/2005	115	A	5975	73.3399
5/2/2005	115	A	5976	73.3522
12/3/2005	115	A	5977	73.3644
12/17/2006	115	A	5978	73.3767
12/18/2006	115	A	5979	73.3890
12/19/2006	115	A	5980	73.4013
4/8/2007	115	A	5981	73.4135
9/27/2009	115	A	5982	73.4258
1/2/1987	116	A	5983	73.4381
1/19/1987	116	A	5984	73.4503
2/2/1987	116	A	5985	73.4626
2/21/1987	116	A	5986	73.4749
2/22/1987	116	A	5987	73.4872
3/24/1987	116	A	5988	73.4994
3/25/1987	116	A	5989	73.5117
2/21/1988	116	A	5990	73.5240
3/31/1988	116	A	5991	73.5363
4/15/1988	116	A	5992	73.5485

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
3/29/1992	116	A	5993	73.5608
2/14/1993	116	A	5994	73.5731
5/6/1995	116	A	5995	73.5854
1/18/1996	116	A	5996	73.5976
3/18/1996	116	A	5997	73.6099
3/19/1996	116	A	5998	73.6222
1/27/1997	116	A	5999	73.6345
5/3/1997	116	A	6000	73.6467
5/4/1998	116	A	6001	73.6590
5/24/1998	116	A	6002	73.6713
5/1/2001	116	A	6003	73.6836
1/12/2003	116	A	6004	73.6958
1/15/2003	116	A	6005	73.7081
2/11/2003	116	A	6006	73.7204
2/15/2003	116	A	6007	73.7327
8/25/2003	116	A	6008	73.7449
8/29/2003	116	A	6009	73.7572
10/16/2003	116	A	6010	73.7695
4/3/2004	116	A	6011	73.7818
4/20/2005	116	A	6012	73.7940
6/29/2005	116	A	6013	73.8063
7/5/2006	116	A	6014	73.8186
4/28/2009	116	A	6015	73.8309
5/1/2010	116	A	6016	73.8431
5/6/1988	117	A	6017	73.8554
5/20/1988	117	A	6018	73.8677
7/8/1991	117	A	6019	73.8800
8/21/1992	117	A	6020	73.8922
12/24/1992	117	A	6021	73.9045
1/29/1993	117	A	6022	73.9168
6/2/1993	117	A	6023	73.9291
5/29/1994	117	A	6024	73.9413
11/22/1994	117	A	6025	73.9536
1/7/1995	117	A	6026	73.9659
1/8/1996	117	A	6027	73.9782
4/28/1996	117	A	6028	73.9904
5/5/1998	117	A	6029	74.0027
2/18/2001	117	A	6030	74.0150
3/6/2001	117	A	6031	74.0272
4/1/2002	117	A	6032	74.0395
1/17/2003	117	A	6033	74.0518
3/12/2004	117	A	6034	74.0641
2/28/2005	117	A	6035	74.0763
6/28/2005	117	A	6036	74.0886
2/1/2007	117	A	6037	74.1009
2/19/2007	117	A	6038	74.1132
4/3/2007	117	A	6039	74.1254
4/14/2007	117	A	6040	74.1377
4/30/2007	117	A	6041	74.1500
6/4/2007	117	A	6042	74.1623
12/31/2008	117	A	6043	74.1745
1/14/2009	117	A	6044	74.1868
1/28/2009	117	A	6045	74.1991
1/26/1987	118	A	6046	74.2114
3/26/1987	118	A	6047	74.2236
2/17/1988	118	A	6048	74.2359

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
4/14/1988	118	A	6049	74.2482
4/8/1991	118	A	6050	74.2605
4/9/1991	118	A	6051	74.2727
12/23/1992	118	A	6052	74.2850
1/28/1993	118	A	6053	74.2973
5/16/1993	118	A	6054	74.3096
12/24/1993	118	A	6055	74.3218
5/3/1994	118	A	6056	74.3341
1/20/1995	118	A	6057	74.3464
5/12/1995	118	A	6058	74.3587
3/17/1996	118	A	6059	74.3709
1/15/1997	118	A	6060	74.3832
4/30/1998	118	A	6061	74.3955
5/24/2000	118	A	6062	74.4078
3/13/2001	118	A	6063	74.4200
4/28/2001	118	A	6064	74.4323
1/14/2003	118	A	6065	74.4446
2/4/2003	118	A	6066	74.4569
7/28/2003	118	A	6067	74.4691
8/3/2003	118	A	6068	74.4814
8/4/2003	118	A	6069	74.4937
10/2/2003	118	A	6070	74.5060
10/3/2003	118	A	6071	74.5182
10/4/2003	118	A	6072	74.5305
10/5/2003	118	A	6073	74.5428
5/10/2004	118	A	6074	74.5551
5/11/2004	118	A	6075	74.5673
8/4/2004	118	A	6076	74.5796
8/18/2004	118	A	6077	74.5919
2/24/2005	118	A	6078	74.6041
3/5/2005	118	A	6079	74.6164
3/14/2005	118	A	6080	74.6287
6/15/2005	118	Ae	6081	74.6410
2/27/2006	118	A	6082	74.6532
3/1/2006	118	A	6083	74.6655
2/22/2007	118	A	6084	74.6778
3/8/2007	118	Ae	6085	74.6901
6/6/2008	118	A	6086	74.7023
1/13/2009	118	A	6087	74.7146
5/14/2009	118	A	6088	74.7269
5/15/2009	118	A	6089	74.7392
2/20/1987	119	A	6090	74.7514
2/16/1988	119	A	6091	74.7637
2/20/1988	119	A	6092	74.7760
4/7/1991	119	A	6093	74.7883
5/2/1991	119	A	6094	74.8005
9/29/1994	119	A	6095	74.8128
4/13/1995	119	A	6096	74.8251
4/30/1996	119	A	6097	74.8374
5/28/1996	119	A	6098	74.8496
11/15/1997	119	A	6099	74.8619
4/12/2000	119	A	6100	74.8742
1/23/2001	119	A	6101	74.8865
11/4/2003	119	A	6102	74.8987
5/9/2004	119	A	6103	74.9110
6/3/2005	119	A	6104	74.9233

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
6/27/2005	119	A	6105	74.9356
2/28/2006	119	A	6106	74.9478
3/3/2006	119	A	6107	74.9601
2/4/2007	119	A	6108	74.9724
2/21/2007	119	A	6109	74.9847
3/7/2007	119	A	6110	74.9969
12/30/2008	119	A	6111	75.0092
6/28/2009	119	A	6112	75.0215
1/30/1987	120	A	6113	75.0338
1/31/1987	120	A	6114	75.0460
2/1/1987	120	A	6115	75.0583
2/3/1987	120	A	6116	75.0706
5/14/1987	120	A	6117	75.0829
2/23/1988	120	A	6118	75.0951
5/12/1994	120	A	6119	75.1074
5/24/1996	120	A	6120	75.1197
4/9/1997	120	A	6121	75.1320
5/4/1997	120	A	6122	75.1442
2/5/2001	120	A	6123	75.1565
2/17/2001	120	A	6124	75.1688
3/15/2001	120	A	6125	75.1810
4/27/2001	120	A	6126	75.1933
1/11/2003	120	A	6127	75.2056
7/27/2003	120	A	6128	75.2179
8/2/2003	120	A	6129	75.2301
2/16/2005	120	A	6130	75.2424
2/25/2005	120	A	6131	75.2547
4/19/2005	120	A	6132	75.2670
12/8/2005	120	A	6133	75.2792
3/2/2006	120	A	6134	75.2915
2/23/2007	120	A	6135	75.3038
12/11/2008	120	A	6136	75.3161
5/2/2009	120	A	6137	75.3283
1/29/1987	121	A	6138	75.3406
5/3/1987	121	A	6139	75.3529
2/22/1993	121	A	6140	75.3652
5/7/1993	121	A	6141	75.3774
5/27/1993	121	A	6142	75.3897
1/17/1994	121	A	6143	75.4020
4/23/1994	121	A	6144	75.4143
3/21/1996	121	A	6145	75.4265
9/17/1996	121	A	6146	75.4388
12/7/1996	121	A	6147	75.4511
1/14/1997	121	A	6148	75.4634
1/19/1997	121	A	6149	75.4756
1/24/1997	121	A	6150	75.4879
5/1/1998	121	A	6151	75.5002
5/23/1998	121	A	6152	75.5125
4/2/1999	121	A	6153	75.5247
5/2/2000	121	A	6154	75.5370
5/3/2000	121	A	6155	75.5493
2/3/2003	121	A	6156	75.5616
3/5/2004	121	A	6157	75.5738
3/11/2004	121	A	6158	75.5861
3/22/2004	121	A	6159	75.5984
3/4/2005	121	A	6160	75.6107

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
3/13/2005	121	A	6161	75.6229
12/16/2006	121	A	6162	75.6352
4/7/2007	121	A	6163	75.6475
5/17/2008	121	A	6164	75.6598
4/30/2010	121	A	6165	75.6720
2/19/1987	122	A	6166	75.6843
5/9/1987	122	A	6167	75.6966
5/21/1987	122	A	6168	75.7088
3/30/1988	122	A	6169	75.7211
3/25/1991	122	A	6170	75.7334
9/9/1992	122	A	6171	75.7457
12/16/1993	122	A	6172	75.7579
1/26/1994	122	A	6173	75.7702
5/2/1994	122	A	6174	75.7825
12/11/1996	122	A	6175	75.7948
12/13/1996	122	A	6176	75.8070
3/24/1997	122	A	6177	75.8193
5/1/1997	122	A	6178	75.8316
4/29/1998	122	A	6179	75.8439
3/18/1999	122	A	6180	75.8561
3/31/1999	122	A	6181	75.8684
4/15/1999	122	A	6182	75.8807
9/30/2000	122	A	6183	75.8930
3/5/2001	122	A	6184	75.9052
3/18/2001	122	A	6185	75.9175
4/26/2001	122	A	6186	75.9298
9/2/2003	122	A	6187	75.9421
3/3/2004	122	A	6188	75.9543
3/4/2004	122	A	6189	75.9666
3/10/2004	122	A	6190	75.9789
4/1/2004	122	A	6191	75.9912
11/25/2005	122	A	6192	76.0034
7/1/2006	122	A	6193	76.0157
1/31/2007	122	A	6194	76.0280
1/30/2009	122	A	6195	76.0403
6/15/2009	122	A	6196	76.0525
2/18/1987	123	A	6197	76.0648
4/23/1987	123	A	6198	76.0771
5/2/1987	123	A	6199	76.0894
4/13/1988	123	A	6200	76.1016
5/8/1992	123	A	6201	76.1139
12/14/1992	123	A	6202	76.1262
12/22/1992	123	A	6203	76.1385
2/5/1994	123	A	6204	76.1507
2/6/1994	123	A	6205	76.1630
2/7/1994	123	A	6206	76.1753
2/8/1994	123	A	6207	76.1876
4/30/1994	123	A	6208	76.1998
11/11/1997	123	A	6209	76.2121
5/3/1998	123	A	6210	76.2244
5/22/1998	123	A	6211	76.2367
4/21/2001	123	A	6212	76.2489
4/22/2001	123	A	6213	76.2612
4/23/2001	123	A	6214	76.2735
8/23/2003	123	A	6215	76.2857
8/24/2003	123	A	6216	76.2980

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
9/11/2003	123	A	6217	76.3103
10/15/2003	123	A	6218	76.3226
2/29/2004	123	A	6219	76.3348
3/1/2004	123	A	6220	76.3471
4/2/2004	123	A	6221	76.3594
5/7/2004	123	A	6222	76.3717
5/8/2004	123	A	6223	76.3839
2/15/2005	123	A	6224	76.3962
4/17/2005	123	A	6225	76.4085
4/18/2005	123	A	6226	76.4208
5/1/2005	123	A	6227	76.4330
5/29/2005	123	A	6228	76.4453
2/26/2006	123	A	6229	76.4576
11/21/2006	123	A	6230	76.4699
1/30/2007	123	A	6231	76.4821
3/6/2007	123	A	6232	76.4944
4/2/2007	123	A	6233	76.5067
7/11/2008	123	A	6234	76.5190
2/17/1987	124	A	6235	76.5312
3/21/1987	124	A	6236	76.5435
4/20/1987	124	A	6237	76.5558
5/3/1993	124	A	6238	76.5681
4/22/1994	124	A	6239	76.5803
4/29/1994	124	A	6240	76.5926
3/16/1996	124	A	6241	76.6049
2/4/1997	124	A	6242	76.6172
2/5/2003	124	A	6243	76.6294
9/10/2003	124	A	6244	76.6417
3/2/2004	124	A	6245	76.6540
3/16/2004	124	A	6246	76.6663
5/6/2004	124	A	6247	76.6785
5/19/2004	124	A	6248	76.6908
1/16/2005	124	A	6249	76.7031
3/12/2005	124	A	6250	76.7154
4/16/2005	124	A	6251	76.7276
6/9/2005	124	Ae	6252	76.7399
6/14/2005	124	Ae	6253	76.7522
7/15/2005	124	A	6254	76.7645
12/15/2006	124	A	6255	76.7767
2/18/2007	124	Ae	6256	76.7890
3/31/2007	124	A	6257	76.8013
11/16/2008	124	A	6258	76.8136
1/27/1987	125	A	6259	76.8258
1/28/1987	125	A	6260	76.8381
2/4/1987	125	A	6261	76.8504
4/19/1987	125	A	6262	76.8626
5/7/1988	125	A	6263	76.8749
3/28/1991	125	A	6264	76.8872
4/28/1991	125	A	6265	76.8995
1/27/1993	125	A	6266	76.9117
6/4/1996	125	A	6267	76.9240
4/25/1997	125	A	6268	76.9363
2/8/2001	125	A	6269	76.9486
4/20/2001	125	A	6270	76.9608
11/3/2003	125	A	6271	76.9731
3/21/2004	125	A	6272	76.9854

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
2/23/2005	125	A	6273	76.9977
5/16/2005	125	A	6274	77.0099
12/15/2005	125	A	6275	77.0222
10/7/2006	125	A	6276	77.0345
12/31/2006	125	A	6277	77.0468
12/29/2008	125	A	6278	77.0590
4/29/2010	125	A	6279	77.0713
12/25/1986	126	A	6280	77.0836
4/22/1987	126	A	6281	77.0959
5/1/1987	126	A	6282	77.1081
1/5/1993	126	A	6283	77.1204
2/13/1993	126	A	6284	77.1327
5/1/1994	126	A	6285	77.1450
5/11/1994	126	A	6286	77.1572
3/20/1996	126	A	6287	77.1695
5/1/1996	126	A	6288	77.1818
10/23/1996	126	A	6289	77.1941
5/6/1998	126	A	6290	77.2063
6/7/2001	126	A	6291	77.2186
6/26/2003	126	A	6292	77.2309
7/9/2003	126	A	6293	77.2432
7/29/2003	126	A	6294	77.2554
2/28/2004	126	A	6295	77.2677
3/9/2004	126	A	6296	77.2800
3/20/2004	126	A	6297	77.2923
7/12/2005	126	A	6298	77.3045
7/20/2005	126	A	6299	77.3168
12/12/2006	126	A	6300	77.3291
12/25/2006	126	A	6301	77.3414
1/12/2009	126	A	6302	77.3536
2/16/1987	127	A	6303	77.3659
3/20/1987	127	A	6304	77.3782
5/8/1987	127	A	6305	77.3905
4/6/1991	127	A	6306	77.4027
6/7/1992	127	A	6307	77.4150
12/21/1992	127	A	6308	77.4273
5/26/1993	127	A	6309	77.4395
1/3/1994	127	A	6310	77.4518
2/4/1994	127	A	6311	77.4641
3/5/1996	127	A	6312	77.4764
5/29/1996	127	A	6313	77.4886
5/30/1996	127	A	6314	77.5009
1/27/1998	127	A	6315	77.5132
3/27/1999	127	A	6316	77.5255
7/6/2003	127	A	6317	77.5377
7/13/2003	127	A	6318	77.5500
7/23/2003	127	A	6319	77.5623
3/18/2004	127	A	6320	77.5746
5/18/2004	127	A	6321	77.5868
2/10/2006	127	A	6322	77.5991
2/25/2006	127	A	6323	77.6114
4/27/2009	127	A	6324	77.6237
6/8/2009	127	A	6325	77.6359
12/26/1986	128	A	6326	77.6482
2/5/1987	128	A	6327	77.6605
2/6/1987	128	A	6328	77.6728

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
2/7/1987	128	A	6329	77.6850
3/19/1987	128	A	6330	77.6973
4/14/1987	128	A	6331	77.7096
4/16/1987	128	A	6332	77.7219
4/17/1987	128	A	6333	77.7341
4/18/1987	128	A	6334	77.7464
4/21/1987	128	A	6335	77.7587
1/21/1988	128	A	6336	77.7710
4/12/1988	128	A	6337	77.7832
6/1/1993	128	A	6338	77.7955
2/6/1996	128	A	6339	77.8078
3/15/1996	128	A	6340	77.8201
4/14/1997	128	A	6341	77.8323
4/24/1997	128	A	6342	77.8446
4/14/1999	128	A	6343	77.8569
8/28/2003	128	A	6344	77.8692
9/12/2003	128	A	6345	77.8814
10/1/2003	128	A	6346	77.8937
2/22/2005	128	A	6347	77.9060
12/14/2005	128	A	6348	77.9183
12/11/2006	128	A	6349	77.9305
12/13/2006	128	A	6350	77.9428
3/30/2007	128	A	6351	77.9551
4/1/2007	128	A	6352	77.9673
4/25/2007	128	A	6353	77.9796
12/28/2008	128	A	6354	77.9919
10/20/2009	128	A	6355	78.0042
3/18/1987	129	A	6356	78.0164
3/27/1987	129	A	6357	78.0287
4/30/1987	129	A	6358	78.0410
3/22/1991	129	A	6359	78.0533
2/16/1992	129	A	6360	78.0655
5/10/1992	129	A	6361	78.0778
1/21/1993	129	A	6362	78.0901
6/6/1993	129	A	6363	78.1024
5/10/1994	129	A	6364	78.1146
2/7/1996	129	A	6365	78.1269
1/13/1997	129	A	6366	78.1392
1/23/1997	129	A	6367	78.1515
4/28/1998	129	A	6368	78.1637
1/10/2003	129	A	6369	78.1760
8/5/2003	129	A	6370	78.1883
9/9/2003	129	A	6371	78.2006
3/19/2004	129	A	6372	78.2128
3/3/2005	129	A	6373	78.2251
12/2/2005	129	A	6374	78.2374
12/4/2005	129	A	6375	78.2497
5/13/2009	129	A	6376	78.2619
5/28/2009	129	A	6377	78.2742
8/31/2009	129	A	6378	78.2865
5/18/2010	129	A	6379	78.2988
2/8/1987	130	A	6380	78.3110
4/13/1987	130	A	6381	78.3233
4/24/1987	130	A	6382	78.3356
2/14/1988	130	A	6383	78.3479
3/18/1991	130	A	6384	78.3601

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
12/4/1991	130	A	6385	78.3724
2/28/1992	130	A	6386	78.3847
9/29/1992	130	A	6387	78.3970
1/26/1993	130	A	6388	78.4092
12/21/1993	130	A	6389	78.4215
1/12/1994	130	A	6390	78.4338
5/21/1996	130	A	6391	78.4461
1/26/1997	130	A	6392	78.4583
5/10/1997	130	A	6393	78.4706
5/2/1998	130	A	6394	78.4829
4/8/2000	130	A	6395	78.4952
1/9/2003	130	A	6396	78.5074
7/26/2003	130	A	6397	78.5197
8/22/2003	130	A	6398	78.5320
3/6/2004	130	A	6399	78.5442
12/7/2005	130	A	6400	78.5565
12/24/2006	130	A	6401	78.5688
2/17/2007	130	A	6402	78.5811
4/6/2007	130	A	6403	78.5933
4/26/2007	130	A	6404	78.6056
4/29/2007	130	A	6405	78.6179
12/15/2008	130	A	6406	78.6302
12/27/2008	130	A	6407	78.6424
1/10/2009	130	A	6408	78.6547
4/24/2010	130	A	6409	78.6670
4/12/1987	131	A	6410	78.6793
5/2/1993	131	A	6411	78.6915
12/17/1993	131	A	6412	78.7038
4/27/1996	131	A	6413	78.7161
2/3/1997	131	A	6414	78.7284
4/27/1998	131	A	6415	78.7406
4/15/2000	131	A	6416	78.7529
9/7/2000	131	A	6417	78.7652
4/24/2001	131	A	6418	78.7775
5/3/2002	131	A	6419	78.7897
8/1/2003	131	A	6420	78.8020
2/2/2004	131	A	6421	78.8143
3/8/2004	131	A	6422	78.8266
2/11/2006	131	A	6423	78.8388
3/1/2007	131	A	6424	78.8511
3/29/2007	131	A	6425	78.8634
4/24/2007	131	A	6426	78.8757
5/3/2009	131	A	6427	78.8879
3/17/1987	132	A	6428	78.9002
6/19/1991	132	A	6429	78.9125
2/26/1992	132	A	6430	78.9248
1/20/1993	132	A	6431	78.9370
1/11/1994	132	A	6432	78.9493
1/21/1994	132	A	6433	78.9616
4/21/1994	132	A	6434	78.9739
5/4/1994	132	A	6435	78.9861
3/11/1995	132	A	6436	78.9984
3/4/1996	132	A	6437	79.0107
3/14/1996	132	A	6438	79.0230
1/25/1997	132	A	6439	79.0352
4/8/1997	132	A	6440	79.0475

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
3/30/1999	132	A	6441	79.0598
9/22/1999	132	A	6442	79.0721
9/23/1999	132	A	6443	79.0843
6/9/2001	132	A	6444	79.0966
2/2/2003	132	A	6445	79.1089
8/30/2003	132	A	6446	79.1211
2/27/2004	132	A	6447	79.1334
4/15/2005	132	A	6448	79.1457
11/20/2006	132	A	6449	79.1580
12/14/2006	132	A	6450	79.1702
4/4/2007	132	A	6451	79.1825
4/23/2007	132	A	6452	79.1948
2/15/1987	133	A	6453	79.2071
5/13/1987	133	A	6454	79.2193
2/12/1988	133	A	6455	79.2316
4/7/1988	133	A	6456	79.2439
3/23/1991	133	A	6457	79.2562
2/3/1994	133	A	6458	79.2684
5/9/1994	133	A	6459	79.2807
11/15/1995	133	A	6460	79.2930
4/26/1996	133	A	6461	79.3053
3/23/1997	133	A	6462	79.3175
4/6/1997	133	A	6463	79.3298
4/26/1998	133	A	6464	79.3421
6/28/1998	133	A	6465	79.3544
10/22/1999	133	A	6466	79.3666
8/17/2000	133	A	6467	79.3789
1/8/2003	133	A	6468	79.3912
6/25/2003	133	A	6469	79.4035
3/7/2004	133	A	6470	79.4157
5/5/2004	133	A	6471	79.4280
3/11/2005	133	A	6472	79.4403
6/13/2005	133	Ae	6473	79.4526
2/9/2006	133	A	6474	79.4648
9/1/2006	133	A	6475	79.4771
2/3/2007	133	A	6476	79.4894
5/16/2008	133	A	6477	79.5017
6/5/2008	133	A	6478	79.5139
1/25/1987	134	A	6479	79.5262
4/27/1991	134	A	6480	79.5385
5/13/1993	134	A	6481	79.5508
1/27/1994	134	A	6482	79.5630
3/6/1996	134	A	6483	79.5753
3/13/1997	134	A	6484	79.5876
1/26/1998	134	A	6485	79.5999
5/21/1998	134	A	6486	79.6121
3/28/1999	134	A	6487	79.6244
3/14/2001	134	A	6488	79.6367
4/19/2001	134	A	6489	79.6490
4/25/2001	134	A	6490	79.6612
6/19/2001	134	A	6491	79.6735
6/16/2003	134	A	6492	79.6858
12/28/2005	134	A	6493	79.6980
12/10/2006	134	A	6494	79.7103
2/2/2007	134	A	6495	79.7226
3/5/2007	134	A	6496	79.7349

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
1/11/2009	134	A	6497	79.7471
6/27/2009	134	A	6498	79.7594
5/19/2010	134	A	6499	79.7717
3/30/1987	135	A	6500	79.7840
4/11/1987	135	A	6501	79.7962
3/29/1988	135	A	6502	79.8085
4/5/1991	135	A	6503	79.8208
1/25/1993	135	A	6504	79.8331
5/15/1993	135	A	6505	79.8453
5/11/1995	135	A	6506	79.8576
3/11/1996	135	A	6507	79.8699
4/25/1996	135	A	6508	79.8822
10/12/1996	135	A	6509	79.8944
3/29/1999	135	A	6510	79.9067
4/11/2000	135	A	6511	79.9190
4/8/2001	135	A	6512	79.9313
12/4/2002	135	A	6513	79.9435
7/8/2003	135	A	6514	79.9558
9/8/2003	135	A	6515	79.9681
11/2/2003	135	A	6516	79.9804
2/1/2004	135	A	6517	79.9926
2/26/2004	135	A	6518	80.0049
4/12/2004	135	A	6519	80.0172
5/2/2004	135	A	6520	80.0295
5/28/2005	135	A	6521	80.0417
12/24/2005	135	A	6522	80.0540
2/24/2006	135	A	6523	80.0663
4/12/2007	135	A	6524	80.0786
4/28/2010	135	A	6525	80.0908
2/14/1987	136	A	6526	80.1031
3/16/1987	136	A	6527	80.1154
5/4/1987	136	A	6528	80.1277
4/11/1988	136	A	6529	80.1399
5/17/1993	136	A	6530	80.1522
1/15/1994	136	A	6531	80.1645
3/12/1996	136	A	6532	80.1768
5/23/1996	136	A	6533	80.1890
10/19/1996	136	A	6534	80.2013
1/28/1997	136	A	6535	80.2136
2/26/1997	136	A	6536	80.2259
5/7/1998	136	A	6537	80.2381
10/18/1999	136	A	6538	80.2504
10/19/1999	136	A	6539	80.2627
5/23/2000	136	A	6540	80.2749
3/16/2001	136	A	6541	80.2872
3/17/2001	136	A	6542	80.2995
2/16/2003	136	A	6543	80.3118
8/21/2003	136	A	6544	80.3240
1/30/2004	136	A	6545	80.3363
1/15/2005	136	A	6546	80.3486
6/4/2005	136	A	6547	80.3609
11/30/2005	136	A	6548	80.3731
12/5/2005	136	A	6549	80.3854
12/9/2005	136	A	6550	80.3977
12/23/2005	136	A	6551	80.4100
12/23/2006	136	A	6552	80.4222

Millsboro Q Frequencies	Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
	12/26/2008	136	A	6553	80.4345
	2/12/1987	137	A	6554	80.4468
	2/13/1987	137	A	6555	80.4591
	4/29/1987	137	A	6556	80.4713
	5/25/1993	137	A	6557	80.4836
	1/13/1994	137	A	6558	80.4959
	2/5/1996	137	A	6559	80.5082
	3/13/1996	137	A	6560	80.5204
	2/25/1997	137	A	6561	80.5327
	3/18/1997	137	A	6562	80.5450
	4/5/1997	137	A	6563	80.5573
	4/13/1997	137	A	6564	80.5695
	4/10/2000	137	A	6565	80.5818
	6/18/2000	137	A	6566	80.5941
	4/7/2001	137	A	6567	80.6064
	1/31/2004	137	A	6568	80.6186
	1/13/2006	137	A	6569	80.6309
	2/8/2006	137	A	6570	80.6432
	3/28/2007	137	A	6571	80.6555
	6/5/2009	137	A	6572	80.6677
	6/14/2009	137	A	6573	80.6800
	2/11/1987	138	A	6574	80.6923
	3/12/1987	138	A	6575	80.7046
	3/15/1987	138	A	6576	80.7168
	4/4/1991	138	A	6577	80.7291
	1/19/1993	138	A	6578	80.7414
	12/23/1993	138	A	6579	80.7537
	4/20/1994	138	A	6580	80.7659
	3/1/1996	138	A	6581	80.7782
	9/18/1996	138	A	6582	80.7905
	1/18/1997	138	A	6583	80.8027
	2/2/1997	138	A	6584	80.8150
	3/14/1997	138	A	6585	80.8273
	4/7/1997	138	A	6586	80.8396
	4/30/1997	138	A	6587	80.8518
	4/7/2000	138	A	6588	80.8641
	11/2/2002	138	A	6589	80.8764
	1/7/2003	138	A	6590	80.8887
	2/25/2004	138	A	6591	80.9009
	5/1/2004	138	A	6592	80.9132
	1/2/2006	138	A	6593	80.9255
	7/8/2006	138	A	6594	80.9378
	11/19/2006	138	A	6595	80.9500
	12/9/2006	138	A	6596	80.9623
	1/29/2007	138	A	6597	80.9746
	2/28/2007	138	A	6598	80.9869
	5/12/2009	138	A	6599	80.9991
	4/25/2010	138	A	6600	81.0114
	1/22/1987	139	A	6601	81.0237
	3/11/1987	139	A	6602	81.0360
	4/15/1987	139	A	6603	81.0482
	3/24/1991	139	A	6604	81.0605
	1/24/1993	139	A	6605	81.0728
	8/15/1994	139	A	6606	81.0851
	1/9/1997	139	A	6607	81.0973
	4/25/1998	139	A	6608	81.1096

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
4/12/1999	139	A	6609	81.1219
12/3/2002	139	A	6610	81.1342
12/31/2002	139	A	6611	81.1464
7/25/2003	139	A	6612	81.1587
7/31/2003	139	A	6613	81.1710
4/14/2005	139	A	6614	81.1833
12/1/2005	139	A	6615	81.1955
12/6/2005	139	A	6616	81.2078
12/29/2005	139	A	6617	81.2201
1/12/2006	139	A	6618	81.2324
2/22/2006	139	A	6619	81.2446
2/23/2006	139	A	6620	81.2569
4/23/2010	139	A	6621	81.2692
4/10/1987	140	A	6622	81.2815
8/17/1992	140	A	6623	81.2937
5/8/1994	140	A	6624	81.3060
1/22/1995	140	A	6625	81.3183
1/26/1996	140	A	6626	81.3306
2/8/1996	140	A	6627	81.3428
12/10/1996	140	A	6628	81.3551
1/8/1997	140	A	6629	81.3674
4/10/1999	140	A	6630	81.3796
4/11/1999	140	A	6631	81.3919
4/6/2000	140	A	6632	81.4042
5/1/2000	140	A	6633	81.4165
1/20/2001	140	A	6634	81.4287
4/6/2001	140	A	6635	81.4410
5/23/2001	140	A	6636	81.4533
7/12/2003	140	A	6637	81.4656
9/16/2003	140	Ae	6638	81.4778
9/30/2003	140	A	6639	81.4901
12/22/2005	140	A	6640	81.5024
12/25/2005	140	A	6641	81.5147
1/10/2006	140	A	6642	81.5269
2/20/2006	140	A	6643	81.5392
2/21/2006	140	A	6644	81.5515
12/29/2006	140	A	6645	81.5638
1/27/2007	140	A	6646	81.5760
4/27/2007	140	A	6647	81.5883
6/13/2009	140	A	6648	81.6006
4/20/2010	140	A	6649	81.6129
3/14/1987	141	A	6650	81.6251
5/7/1987	141	A	6651	81.6374
3/21/1991	141	A	6652	81.6497
1/22/1993	141	A	6653	81.6620
5/18/1993	141	A	6654	81.6742
1/10/1994	141	A	6655	81.6865
1/14/1994	141	A	6656	81.6988
7/30/1994	141	A	6657	81.7111
7/22/1995	141	A	6658	81.7233
1/12/1997	141	A	6659	81.7356
2/13/1997	141	A	6660	81.7479
3/1/1997	141	A	6661	81.7602
3/2/1997	141	A	6662	81.7724
4/13/1999	141	A	6663	81.7847
4/9/2001	141	A	6664	81.7970

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
8/18/2001	141	A	6665	81.8093
4/30/2004	141	A	6666	81.8215
4/13/2005	141	A	6667	81.8338
12/27/2005	141	A	6668	81.8461
1/1/2006	141	A	6669	81.8584
2/7/2006	141	A	6670	81.8706
12/30/2006	141	A	6671	81.8829
3/26/2007	141	A	6672	81.8952
4/26/2009	141	A	6673	81.9075
3/13/1987	142	A	6674	81.9197
9/8/1992	142	A	6675	81.9320
1/27/1996	142	A	6676	81.9443
3/2/1996	142	A	6677	81.9565
3/10/1996	142	A	6678	81.9688
5/20/1996	142	A	6679	81.9811
10/22/1996	142	A	6680	81.9934
5/8/1998	142	A	6681	82.0056
5/20/1998	142	A	6682	82.0179
8/21/2001	142	A	6683	82.0302
7/22/2003	142	A	6684	82.0425
7/24/2003	142	A	6685	82.0547
9/28/2003	142	A	6686	82.0670
3/17/2004	142	A	6687	82.0793
5/4/2004	142	A	6688	82.0916
10/8/2005	142	A	6689	82.1038
12/13/2005	142	A	6690	82.1161
1/11/2006	142	A	6691	82.1284
3/27/2007	142	A	6692	82.1407
4/22/2007	142	A	6693	82.1529
7/8/2008	142	A	6694	82.1652
1/29/2009	142	A	6695	82.1775
4/19/2010	142	A	6696	82.1898
4/21/2010	142	A	6697	82.2020
3/28/1987	143	A	6698	82.2143
3/29/1987	143	A	6699	82.2266
5/1/1993	143	A	6700	82.2389
2/19/1996	143	A	6701	82.2511
3/3/1996	143	A	6702	82.2634
1/16/1997	143	A	6703	82.2757
2/1/1997	143	A	6704	82.2880
3/17/1997	143	A	6705	82.3002
3/26/1997	143	A	6706	82.3125
3/26/1999	143	A	6707	82.3248
10/31/2002	143	A	6708	82.3371
12/5/2002	143	A	6709	82.3493
3/16/2003	143	A	6710	82.3616
7/30/2003	143	A	6711	82.3739
5/3/2004	143	A	6712	82.3862
1/9/2006	143	A	6713	82.3984
11/22/2006	143	A	6714	82.4107
1/26/2007	143	A	6715	82.4230
1/28/2007	143	A	6716	82.4353
4/13/2007	143	A	6717	82.4475
4/18/2010	143	A	6718	82.4598
4/9/1987	144	A	6719	82.4721
4/24/1991	144	A	6720	82.4844

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
6/5/1992	144	A	6721	82.4966
1/23/1993	144	A	6722	82.5089
4/9/1993	144	A	6723	82.5212
5/24/1993	144	A	6724	82.5334
1/20/1994	144	A	6725	82.5457
4/19/1994	144	A	6726	82.5580
5/22/1996	144	A	6727	82.5703
2/5/1997	144	A	6728	82.5825
2/24/1997	144	A	6729	82.5948
3/3/1997	144	A	6730	82.6071
3/19/1997	144	A	6731	82.6194
3/29/1997	144	A	6732	82.6316
4/9/2000	144	A	6733	82.6439
4/18/2001	144	A	6734	82.6562
8/19/2001	144	A	6735	82.6685
11/1/2002	144	A	6736	82.6807
9/23/2003	144	A	6737	82.6930
9/27/2003	144	A	6738	82.7053
9/29/2003	144	A	6739	82.7176
3/4/2007	144	A	6740	82.7298
12/16/2008	144	A	6741	82.7421
1/7/2009	144	A	6742	82.7544
3/10/1987	145	A	6743	82.7667
4/8/1993	145	A	6744	82.7789
12/7/1993	145	A	6745	82.7912
1/7/1994	145	A	6746	82.8035
1/28/1994	145	A	6747	82.8158
2/1/1996	145	A	6748	82.8280
2/2/1996	145	A	6749	82.8403
2/29/1996	145	A	6750	82.8526
1/7/1997	145	A	6751	82.8649
2/28/1997	145	A	6752	82.8771
3/12/1997	145	A	6753	82.8894
4/4/1997	145	A	6754	82.9017
3/25/1999	145	A	6755	82.9140
2/7/2001	145	A	6756	82.9262
12/2/2002	145	A	6757	82.9385
8/15/2004	145	A	6758	82.9508
6/12/2005	145	Ae	6759	82.9631
12/21/2005	145	A	6760	82.9753
2/19/2006	145	A	6761	82.9876
12/24/2008	145	A	6762	82.9999
6/18/2009	145	A	6763	83.0122
11/10/2009	145	A	6764	83.0244
1/16/2010	145	A	6765	83.0367
1/24/1987	146	A	6766	83.0490
3/8/1987	146	A	6767	83.0612
3/9/1987	146	A	6768	83.0735
4/25/1987	146	A	6769	83.0858
1/7/1993	146	A	6770	83.0981
1/18/1993	146	A	6771	83.1103
1/9/1994	146	A	6772	83.1226
2/2/1994	146	A	6773	83.1349
1/24/1996	146	A	6774	83.1472
2/4/1996	146	A	6775	83.1594
4/24/1996	146	A	6776	83.1717

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
1/31/1997	146	A	6777	83.1840
3/22/1997	146	A	6778	83.1963
9/29/2000	146	A	6779	83.2085
4/5/2001	146	A	6780	83.2208
1/6/2003	146	A	6781	83.2331
3/15/2003	146	A	6782	83.2454
12/4/2003	146	A	6783	83.2576
2/24/2004	146	A	6784	83.2699
3/1/2005	146	A	6785	83.2822
11/22/2005	146	A	6786	83.2945
1/17/2006	146	A	6787	83.3067
12/28/2006	146	A	6788	83.3190
4/22/2010	146	A	6789	83.3313
2/9/1987	147	A	6790	83.3436
4/28/1987	147	A	6791	83.3558
4/26/1991	147	A	6792	83.3681
12/13/1992	147	A	6793	83.3804
1/8/1994	147	A	6794	83.3927
1/25/1996	147	A	6795	83.4049
3/7/1996	147	A	6796	83.4172
2/12/1997	147	A	6797	83.4295
3/24/2003	147	A	6798	83.4418
7/7/2003	147	A	6799	83.4540
8/20/2003	147	A	6800	83.4663
9/1/2003	147	A	6801	83.4786
9/13/2003	147	A	6802	83.4909
11/6/2003	147	A	6803	83.5031
2/3/2004	147	A	6804	83.5154
3/8/2005	147	A	6805	83.5277
12/26/2005	147	A	6806	83.5400
12/25/2008	147	A	6807	83.5522
5/11/2009	147	A	6808	83.5645
6/26/2009	147	A	6809	83.5768
1/15/2010	147	A	6810	83.5891
1/20/1987	148	A	6811	83.6013
1/21/1987	148	A	6812	83.6136
1/23/1987	148	A	6813	83.6259
2/10/1987	148	A	6814	83.6381
1/8/1993	148	A	6815	83.6504
5/7/1994	148	A	6816	83.6627
3/9/1997	148	A	6817	83.6750
1/22/2001	148	A	6818	83.6872
4/16/2001	148	A	6819	83.6995
12/8/2002	148	A	6820	83.7118
12/9/2002	148	A	6821	83.7241
12/10/2002	148	A	6822	83.7363
1/1/2003	148	A	6823	83.7486
6/17/2003	148	A	6824	83.7609
8/16/2003	148	A	6825	83.7732
9/14/2003	148	A	6826	83.7854
10/29/2003	148	A	6827	83.7977
1/26/2004	148	A	6828	83.8100
4/29/2004	148	A	6829	83.8223
4/12/2005	148	A	6830	83.8345
2/2/2006	148	A	6831	83.8468
2/6/2006	148	A	6832	83.8591

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
12/8/2006	148	A	6833	83.8714
5/15/2008	148	A	6834	83.8836
7/10/2008	148	A	6835	83.8959
1/9/2009	148	A	6836	83.9082
6/9/2009	148	A	6837	83.9205
1/14/2010	148	A	6838	83.9327
4/17/2010	148	A	6839	83.9450
4/3/1991	149	A	6840	83.9573
1/23/1996	149	A	6841	83.9696
2/3/1996	149	A	6842	83.9818
2/18/1996	149	A	6843	83.9941
4/6/1996	149	A	6844	84.0064
7/13/1996	149	A	6845	84.0187
2/27/1997	149	A	6846	84.0309
3/11/1997	149	A	6847	84.0432
3/28/1997	149	A	6848	84.0555
4/24/1998	149	A	6849	84.0678
12/30/2002	149	A	6850	84.0800
7/11/2005	149	A	6851	84.0923
7/19/2005	149	A	6852	84.1046
2/3/2006	149	A	6853	84.1169
2/16/2007	149	A	6854	84.1291
4/28/2007	149	A	6855	84.1414
3/7/1987	150	A	6856	84.1537
4/30/1993	150	A	6857	84.1660
4/23/1996	150	A	6858	84.1782
2/7/1997	150	A	6859	84.1905
3/10/1997	150	A	6860	84.2028
5/19/1998	150	A	6861	84.2150
6/27/1998	150	Ae	6862	84.2273
4/3/2000	150	Ae	6863	84.2396
4/5/2000	150	Ae	6864	84.2519
3/29/2001	150	A	6865	84.2641
4/10/2001	150	A	6866	84.2764
9/21/2003	150	Ae	6867	84.2887
1/25/2004	150	A	6868	84.3010
8/17/2004	150	A	6869	84.3132
5/27/2005	150	A	6870	84.3255
12/31/2005	150	A	6871	84.3378
3/16/2007	150	A	6872	84.3501
3/25/2007	150	A	6873	84.3623
11/9/2009	150	A	6874	84.3746
4/16/2010	150	A	6875	84.3869
5/6/1987	151	A	6876	84.3992
4/2/1991	151	A	6877	84.4114
12/11/1992	151	A	6878	84.4237
4/15/2001	151	A	6879	84.4360
5/14/2003	151	A	6880	84.4483
5/15/2003	151	A	6881	84.4605
7/10/2003	151	A	6882	84.4728
11/16/2006	151	A	6883	84.4851
11/18/2006	151	A	6884	84.4974
4/19/2009	151	A	6885	84.5096
3/31/1987	152	A	6886	84.5219
4/8/1987	152	A	6887	84.5342
2/17/1996	152	A	6888	84.5465

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
1/6/1997	152	A	6889	84.5587
1/11/1997	152	A	6890	84.5710
1/24/1998	152	A	6891	84.5833
4/23/1998	152	A	6892	84.5956
5/11/1998	152	A	6893	84.6078
12/11/2002	152	A	6894	84.6201
12/24/2002	152	A	6895	84.6324
5/13/2003	152	A	6896	84.6447
9/7/2003	152	A	6897	84.6569
11/1/2003	152	A	6898	84.6692
11/18/2003	152	A	6899	84.6815
2/23/2004	152	A	6900	84.6938
3/2/2005	152	A	6901	84.7060
4/1/2005	152	A	6902	84.7183
12/20/2005	152	A	6903	84.7306
1/8/2006	152	A	6904	84.7429
11/17/2006	152	A	6905	84.7551
1/25/2007	152	A	6906	84.7674
4/15/2007	152	A	6907	84.7797
5/12/2008	152	A	6908	84.7919
1/13/2010	152	A	6909	84.8042
4/27/2010	152	A	6910	84.8165
5/5/1987	153	A	6911	84.8288
4/15/1993	153	A	6912	84.8410
5/14/1993	153	A	6913	84.8533
4/13/1994	153	A	6914	84.8656
1/31/1996	153	A	6915	84.8779
4/15/1996	153	A	6916	84.8901
5/19/1996	153	A	6917	84.9024
8/15/1996	153	A	6918	84.9147
1/10/1997	153	A	6919	84.9270
2/8/1997	153	A	6920	84.9392
2/23/1997	153	A	6921	84.9515
3/21/1997	153	A	6922	84.9638
4/3/1997	153	A	6923	84.9761
4/28/1997	153	A	6924	84.9883
1/25/1998	153	A	6925	85.0006
5/10/1998	153	A	6926	85.0129
3/17/1999	153	A	6927	85.0252
6/19/2000	153	A	6928	85.0374
3/28/2001	153	A	6929	85.0497
4/4/2001	153	A	6930	85.0620
4/17/2001	153	A	6931	85.0743
11/13/2002	153	A	6932	85.0865
8/19/2003	153	A	6933	85.0988
4/26/2004	153	A	6934	85.1111
12/3/2006	153	A	6935	85.1234
3/2/2007	153	A	6936	85.1356
4/5/2007	153	A	6937	85.1479
12/19/2008	153	A	6938	85.1602
4/20/2009	153	A	6939	85.1725
11/8/2009	153	A	6940	85.1847
4/3/1987	154	A	6941	85.1970
3/28/1992	154	A	6942	85.2093
12/6/1993	154	A	6943	85.2216
4/18/1994	154	A	6944	85.2338

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
5/28/1994	154	A	6945	85.2461
9/12/1996	154	A	6946	85.2584
12/8/1996	154	A	6947	85.2707
1/5/1997	154	A	6948	85.2829
1/17/1997	154	A	6949	85.2952
3/20/1997	154	A	6950	85.3075
11/9/1997	154	A	6951	85.3197
4/22/1998	154	A	6952	85.3320
12/1/2002	154	A	6953	85.3443
12/7/2002	154	A	6954	85.3566
12/19/2002	154	A	6955	85.3688
1/24/2004	154	A	6956	85.3811
1/27/2004	154	A	6957	85.3934
5/25/2005	154	A	6958	85.4057
2/4/2006	154	A	6959	85.4179
3/24/2007	154	A	6960	85.4302
6/11/2009	154	A	6961	85.4425
4/26/1987	155	A	6962	85.4548
1/17/1993	155	A	6963	85.4670
4/7/1993	155	A	6964	85.4793
2/1/1994	155	A	6965	85.4916
3/9/1996	155	A	6966	85.5039
4/7/1996	155	A	6967	85.5161
4/8/1996	155	A	6968	85.5284
2/6/1997	155	A	6969	85.5407
5/9/1998	155	A	6970	85.5530
5/18/1998	155	A	6971	85.5652
4/11/2001	155	A	6972	85.5775
12/6/2002	155	A	6973	85.5898
3/14/2003	155	A	6974	85.6021
12/12/2005	155	A	6975	85.6143
12/7/2006	155	A	6976	85.6266
2/27/2007	155	A	6977	85.6389
6/12/2009	155	A	6978	85.6512
1/11/2010	155	A	6979	85.6634
1/12/2010	155	A	6980	85.6757
2/28/1987	156	A	6981	85.6880
4/27/1987	156	A	6982	85.7003
4/10/1988	156	A	6983	85.7125
4/25/1991	156	A	6984	85.7248
2/27/1992	156	A	6985	85.7371
1/6/1993	156	A	6986	85.7494
4/16/1993	156	A	6987	85.7616
4/21/1993	156	A	6988	85.7739
4/22/1996	156	A	6989	85.7862
1/4/1997	156	A	6990	85.7985
2/11/1997	156	A	6991	85.8107
3/5/1997	156	A	6992	85.8230
9/6/2000	156	A	6993	85.8353
1/5/2003	156	A	6994	85.8476
7/5/2003	156	A	6995	85.8598
8/12/2003	156	A	6996	85.8721
12/3/2003	156	A	6997	85.8844
2/22/2004	156	A	6998	85.8966
11/24/2005	156	A	6999	85.9089
2/1/2006	156	A	7000	85.9212

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
2/18/2006	156	A	7001	85.9335
1/24/2007	156	A	7002	85.9457
3/23/2007	156	A	7003	85.9580
9/28/2009	156	A	7004	85.9703
11/11/2009	156	A	7005	85.9826
4/15/2010	156	A	7006	85.9948
3/6/1987	157	A	7007	86.0071
2/16/1996	157	A	7008	86.0194
2/20/1996	157	A	7009	86.0317
2/27/1996	157	A	7010	86.0439
2/28/1996	157	A	7011	86.0562
1/30/1997	157	A	7012	86.0685
3/4/1997	157	A	7013	86.0808
4/30/2000	157	A	7014	86.0930
12/29/2002	157	A	7015	86.1053
1/2/2003	157	A	7016	86.1176
1/3/2003	157	A	7017	86.1299
1/4/2003	157	A	7018	86.1421
2/20/2004	157	A	7019	86.1544
4/11/2005	157	A	7020	86.1667
5/26/2005	157	A	7021	86.1790
12/30/2005	157	A	7022	86.1912
1/22/2006	157	A	7023	86.2035
7/6/2006	157	A	7024	86.2158
1/21/2007	157	A	7025	86.2281
3/22/2007	157	A	7026	86.2403
10/18/2009	157	A	7027	86.2526
2/23/1987	158	A	7028	86.2649
3/27/1992	158	A	7029	86.2772
4/26/1993	158	A	7030	86.2894
1/4/1994	158	A	7031	86.3017
2/9/1994	158	A	7032	86.3140
3/30/1997	158	A	7033	86.3263
11/16/2002	158	A	7034	86.3385
12/23/2002	158	A	7035	86.3508
12/28/2002	158	A	7036	86.3631
9/3/2003	158	A	7037	86.3754
9/26/2003	158	A	7038	86.3876
2/5/2006	158	A	7039	86.3999
2/26/2007	158	A	7040	86.4122
12/18/2008	158	A	7041	86.4245
5/4/2009	158	A	7042	86.4367
11/7/2009	158	A	7043	86.4490
6/18/1991	159	A	7044	86.4613
9/28/1992	159	A	7045	86.4735
1/16/1993	159	A	7046	86.4858
4/25/1993	159	A	7047	86.4981
4/1/1996	159	A	7048	86.5104
4/5/1996	159	A	7049	86.5226
5/5/1996	159	A	7050	86.5349
4/21/1998	159	A	7051	86.5472
3/21/2001	159	A	7052	86.5595
3/20/2003	159	A	7053	86.5717
1/16/2004	159	A	7054	86.5840
12/6/2006	159	A	7055	86.5963
12/17/2008	159	A	7056	86.6086

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
4/25/2009	159	A	7057	86.6208
10/18/1991	160	A	7058	86.6331
8/20/1992	160	A	7059	86.6454
12/22/1993	160	A	7060	86.6577
5/15/1996	160	A	7061	86.6699
3/16/1997	160	A	7062	86.6822
3/27/1997	160	A	7063	86.6945
3/24/1999	160	A	7064	86.7068
4/4/2000	160	Ae	7065	86.7190
3/27/2001	160	A	7066	86.7313
7/11/2003	160	A	7067	86.7436
12/2/2003	160	A	7068	86.7559
1/23/2004	160	A	7069	86.7681
2/19/2004	160	A	7070	86.7804
2/21/2004	160	A	7071	86.7927
4/25/2004	160	A	7072	86.8050
1/7/2006	160	A	7073	86.8172
1/22/2007	160	A	7074	86.8295
1/10/2010	160	A	7075	86.8418
3/9/1995	161	A	7076	86.8541
1/30/1996	161	A	7077	86.8663
10/11/1996	161	A	7078	86.8786
1/3/1997	161	A	7079	86.8909
2/22/1997	161	A	7080	86.9032
2/6/2001	161	A	7081	86.9154
3/13/2003	161	A	7082	86.9277
1/12/2004	161	A	7083	86.9400
2/17/2004	161	A	7084	86.9523
8/3/2004	161	A	7085	86.9645
12/2/2006	161	A	7086	86.9768
5/27/2009	161	A	7087	86.9891
6/7/2009	161	A	7088	87.0014
4/21/1991	162	A	7089	87.0136
1/22/1996	162	A	7090	87.0259
1/28/1996	162	A	7091	87.0382
2/9/1996	162	A	7092	87.0504
7/14/1996	162	A	7093	87.0627
2/14/1997	162	A	7094	87.0750
2/21/1997	162	A	7095	87.0873
4/29/1997	162	A	7096	87.0995
4/2/2000	162	A	7097	87.1118
11/15/2002	162	A	7098	87.1241
11/30/2002	162	A	7099	87.1364
12/20/2002	162	A	7100	87.1486
5/12/2003	162	A	7101	87.1609
6/15/2003	162	A	7102	87.1732
11/17/2003	162	A	7103	87.1855
1/15/2004	162	A	7104	87.1977
1/17/2004	162	A	7105	87.2100
3/31/2005	162	A	7106	87.2223
2/16/2006	162	A	7107	87.2346
2/17/2006	162	A	7108	87.2468
1/18/2007	162	A	7109	87.2591
1/23/2007	162	A	7110	87.2714
3/3/2007	162	A	7111	87.2837
1/8/2009	162	A	7112	87.2959

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
6/25/2009	162	A	7113	87.3082
4/13/2010	162	A	7114	87.3205
4/26/2010	162	A	7115	87.3328
3/27/1988	163	A	7116	87.3450
3/28/1988	163	A	7117	87.3573
3/29/1991	163	A	7118	87.3696
4/29/1993	163	A	7119	87.3819
1/6/1994	163	A	7120	87.3941
9/26/1994	163	A	7121	87.4064
3/10/1995	163	A	7122	87.4187
2/26/1996	163	A	7123	87.4310
5/16/1996	163	A	7124	87.4432
10/21/1996	163	A	7125	87.4555
1/2/1997	163	A	7126	87.4678
8/16/2000	163	A	7127	87.4801
3/17/2003	163	A	7128	87.4923
6/18/2003	163	A	7129	87.5046
9/15/2003	163	A	7130	87.5169
8/16/2004	163	A	7131	87.5292
3/10/2005	163	A	7132	87.5414
12/10/2005	163	A	7133	87.5537
1/31/2006	163	A	7134	87.5660
4/21/2007	163	A	7135	87.5782
2/27/1987	164	A	7136	87.5905
4/6/1993	164	A	7137	87.6028
5/6/1994	164	A	7138	87.6151
2/15/1996	164	A	7139	87.6273
3/8/1996	164	A	7140	87.6396
4/21/1996	164	A	7141	87.6519
5/18/1996	164	A	7142	87.6642
1/29/1997	164	A	7143	87.6764
2/10/1997	164	A	7144	87.6887
3/8/1997	164	A	7145	87.7010
4/19/1998	164	A	7146	87.7133
4/20/1998	164	A	7147	87.7255
4/14/2001	164	A	7148	87.7378
6/24/2003	164	A	7149	87.7501
8/15/2003	164	A	7150	87.7624
1/22/2004	164	A	7151	87.7746
2/16/2004	164	A	7152	87.7869
6/11/2005	164	Ae	7153	87.7992
1/16/2006	164	A	7154	87.8115
6/3/2006	164	A	7155	87.8237
3/5/1987	165	A	7156	87.8360
4/23/1991	165	A	7157	87.8483
5/23/1993	165	A	7158	87.8606
3/29/1996	165	A	7159	87.8728
3/31/1996	165	A	7160	87.8851
4/14/1996	165	A	7161	87.8974
9/13/1996	165	A	7162	87.9097
10/20/1996	165	A	7163	87.9219
4/17/1998	165	A	7164	87.9342
4/29/2000	165	A	7165	87.9465
11/29/2002	165	A	7166	87.9588
3/12/2003	165	A	7167	87.9710
6/23/2003	165	A	7168	87.9833

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
8/31/2003	165	A	7169	87.9956
12/1/2003	165	A	7170	88.0079
2/18/2004	165	A	7171	88.0201
4/23/2004	165	A	7172	88.0324
8/2/2004	165	A	7173	88.0447
4/14/2010	165	A	7174	88.0570
4/4/1987	166	A	7175	88.0692
3/12/1993	166	A	7176	88.0815
4/20/1993	166	A	7177	88.0938
1/21/1995	166	A	7178	88.1061
4/9/1996	166	A	7179	88.1183
5/7/1996	166	A	7180	88.1306
5/17/1996	166	A	7181	88.1429
12/9/1996	166	A	7182	88.1551
2/9/1997	166	A	7183	88.1674
11/10/1997	166	A	7184	88.1797
4/16/1998	166	A	7185	88.1920
4/3/2001	166	A	7186	88.2042
6/8/2001	166	A	7187	88.2165
8/17/2001	166	A	7188	88.2288
12/18/2002	166	A	7189	88.2411
3/23/2003	166	A	7190	88.2533
7/21/2003	166	A	7191	88.2656
8/11/2003	166	A	7192	88.2779
3/23/2005	166	A	7193	88.2902
3/28/2005	166	A	7194	88.3024
12/19/2005	166	A	7195	88.3147
1/14/2006	166	A	7196	88.3270
1/18/2006	166	A	7197	88.3393
1/30/2006	166	A	7198	88.3515
1/17/2007	166	A	7199	88.3638
12/14/2008	166	A	7200	88.3761
12/23/2008	166	A	7201	88.3884
4/7/1987	167	A	7202	88.4006
3/20/1991	167	A	7203	88.4129
4/5/1993	167	A	7204	88.4252
3/15/1997	167	A	7205	88.4375
6/17/2001	167	A	7206	88.4497
12/25/2002	167	A	7207	88.4620
7/3/2003	167	A	7208	88.4743
1/13/2004	167	A	7209	88.4866
4/10/2005	167	A	7210	88.4988
12/11/2005	167	A	7211	88.5111
12/1/2006	167	A	7212	88.5234
3/21/2007	167	A	7213	88.5357
4/20/2007	167	A	7214	88.5479
1/19/1994	168	A	7215	88.5602
1/31/1994	168	A	7216	88.5725
4/12/1994	168	A	7217	88.5848
7/29/1994	168	A	7218	88.5970
4/2/1997	168	A	7219	88.6093
3/22/1999	168	A	7220	88.6216
3/26/2001	168	A	7221	88.6339
1/21/2006	168	A	7222	88.6461
1/29/2006	168	A	7223	88.6584
11/6/2009	168	A	7224	88.6707

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
4/12/2010	168	A	7225	88.6830
1/18/1994	169	A	7226	88.6952
4/17/1994	169	A	7227	88.7075
1/1/1997	169	A	7228	88.7198
2/20/1997	169	A	7229	88.7320
4/18/1998	169	A	7230	88.7443
5/17/1998	169	A	7231	88.7566
8/17/2003	169	A	7232	88.7689
8/18/2003	169	A	7233	88.7811
1/11/2004	169	A	7234	88.7934
1/29/2004	169	A	7235	88.8057
2/15/2004	169	A	7236	88.8180
4/22/2004	169	A	7237	88.8302
4/28/2004	169	A	7238	88.8425
12/5/2006	169	A	7239	88.8548
12/27/2006	169	A	7240	88.8671
1/1/2007	169	A	7241	88.8793
12/20/2008	169	A	7242	88.8916
5/5/2009	169	A	7243	88.9039
10/19/2009	169	A	7244	88.9162
1/9/2010	169	A	7245	88.9284
4/14/1993	170	A	7246	88.9407
2/14/1996	170	A	7247	88.9530
4/24/2000	170	A	7248	88.9653
11/19/2003	170	A	7249	88.9775
11/30/2003	170	A	7250	88.9898
2/15/2006	170	A	7251	89.0021
12/4/2006	170	A	7252	89.0144
12/26/2006	170	A	7253	89.0266
1/17/2010	170	A	7254	89.0389
4/2/1987	171	A	7255	89.0512
10/9/1996	171	A	7256	89.0635
4/1/2000	171	A	7257	89.0757
1/21/2001	171	A	7258	89.0880
8/20/2001	171	A	7259	89.1003
11/16/2003	171	A	7260	89.1126
11/28/2003	171	A	7261	89.1248
1/14/2004	171	A	7262	89.1371
3/27/2005	171	A	7263	89.1494
1/20/2007	171	A	7264	89.1617
5/10/2009	171	A	7265	89.1739
2/13/1988	172	A	7266	89.1862
2/21/1996	172	A	7267	89.1985
4/3/1998	172	A	7268	89.2108
4/25/2000	172	A	7269	89.2230
8/13/2000	172	A	7270	89.2353
12/27/2002	172	A	7271	89.2476
5/11/2003	172	A	7272	89.2599
7/20/2003	172	A	7273	89.2721
8/10/2003	172	A	7274	89.2844
11/29/2003	172	A	7275	89.2967
4/27/2004	172	A	7276	89.3089
5/24/2005	172	A	7277	89.3212
8/10/1991	173	A	7278	89.3335
3/11/1993	173	A	7279	89.3458
4/11/1994	173	A	7280	89.3580

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
5/5/1994	173	A	7281	89.3703
3/31/1997	173	A	7282	89.3826
4/14/1998	173	A	7283	89.3949
4/17/2000	173	A	7284	89.4071
4/21/2004	173	A	7285	89.4194
5/26/2009	173	A	7286	89.4317
5/27/1994	174	A	7287	89.4440
2/25/1996	174	A	7288	89.4562
4/20/1996	174	A	7289	89.4685
5/8/1996	174	A	7290	89.4808
4/15/1998	174	A	7291	89.4931
3/15/1999	174	A	7292	89.5053
4/28/2000	174	A	7293	89.5176
9/3/2000	174	A	7294	89.5299
11/14/2002	174	A	7295	89.5422
12/22/2002	174	A	7296	89.5544
3/11/2003	174	A	7297	89.5667
12/18/2003	174	A	7298	89.5790
1/18/2004	174	A	7299	89.5913
1/28/2006	174	A	7300	89.6035
11/30/2006	174	A	7301	89.6158
4/15/2009	174	A	7302	89.6281
5/6/1996	175	A	7303	89.6404
3/19/2003	175	A	7304	89.6526
1/21/2004	175	A	7305	89.6649
1/28/2004	175	A	7306	89.6772
7/16/2005	175	A	7307	89.6895
1/6/2006	175	A	7308	89.7017
9/13/2009	175	A	7309	89.7140
4/1/1987	176	A	7310	89.7263
4/1/1991	176	A	7311	89.7386
5/9/1992	176	A	7312	89.7508
3/31/1993	176	A	7313	89.7631
1/29/1996	176	A	7314	89.7754
12/31/1996	176	A	7315	89.7877
4/26/2000	176	A	7316	89.7999
4/27/2000	176	A	7317	89.8122
12/21/2002	176	A	7318	89.8245
3/21/2003	176	A	7319	89.8367
6/14/2003	176	A	7320	89.8490
6/22/2003	176	A	7321	89.8613
2/14/2004	176	A	7322	89.8736
4/9/2005	176	A	7323	89.8858
1/16/2007	176	A	7324	89.8981
5/6/2009	176	A	7325	89.9104
4/6/1987	177	A	7326	89.9227
4/4/1996	177	A	7327	89.9349
4/1/1998	177	A	7328	89.9472
4/23/2000	177	A	7329	89.9595
4/12/2001	177	A	7330	89.9718
9/24/2003	177	A	7331	89.9840
4/24/2004	177	A	7332	89.9963
1/19/2007	177	A	7333	90.0086
11/5/2009	177	A	7334	90.0209
1/8/2010	177	A	7335	90.0331
4/5/1987	178	A	7336	90.0454

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
1/15/1993	178	A	7337	90.0577
4/4/1993	178	A	7338	90.0700
4/10/1994	178	A	7339	90.0822
1/19/1996	178	A	7340	90.0945
2/19/1997	178	A	7341	90.1068
3/31/1998	178	A	7342	90.1191
4/18/2000	178	A	7343	90.1313
12/17/2002	178	A	7344	90.1436
12/26/2002	178	A	7345	90.1559
2/14/2007	178	A	7346	90.1682
1/24/2010	178	A	7347	90.1804
4/11/2010	178	A	7348	90.1927
3/1/1987	179	A	7349	90.2050
3/4/1987	179	A	7350	90.2173
4/8/1988	179	A	7351	90.2295
9/24/1994	179	A	7352	90.2418
3/30/1996	179	A	7353	90.2541
3/6/1997	179	A	7354	90.2664
4/16/2000	179	A	7355	90.2786
4/2/2001	179	A	7356	90.2909
4/13/2001	179	A	7357	90.3032
11/28/2002	179	A	7358	90.3155
5/10/2003	179	A	7359	90.3277
11/15/2006	179	A	7360	90.3400
3/20/2007	179	A	7361	90.3523
1/7/2010	179	A	7362	90.3646
4/10/1993	180	A	7363	90.3768
6/17/1994	180	A	7364	90.3891
8/13/1996	180	A	7365	90.4014
4/1/1997	180	A	7366	90.4136
5/6/2003	180	A	7367	90.4259
6/4/2003	180	A	7368	90.4382
7/19/2003	180	A	7369	90.4505
1/10/2004	180	A	7370	90.4627
4/20/2004	180	A	7371	90.4750
11/29/2006	180	Ae	7372	90.4873
4/18/2009	180	A	7373	90.4996
11/30/2009	180	A	7374	90.5118
12/2/2009	180	A	7375	90.5241
2/26/1987	181	A	7376	90.5364
4/13/1993	181	A	7377	90.5487
4/24/1993	181	A	7378	90.5609
1/5/1994	181	A	7379	90.5732
4/13/1996	181	A	7380	90.5855
4/13/1998	181	A	7381	90.5978
4/22/2000	181	A	7382	90.6100
3/25/2001	181	A	7383	90.6223
2/17/2003	181	A	7384	90.6346
3/22/2003	181	A	7385	90.6469
5/7/2003	181	A	7386	90.6591
6/3/2003	181	A	7387	90.6714
11/15/2003	181	A	7388	90.6837
4/24/2009	181	A	7389	90.6960
12/12/1992	182	A	7390	90.7082
3/10/1993	182	A	7391	90.7205
5/19/1993	182	A	7392	90.7328

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
4/2/1998	182	A	7393	90.7451
5/9/2003	182	A	7394	90.7573
11/27/2003	182	A	7395	90.7696
2/14/2006	182	A	7396	90.7819
4/7/2010	182	A	7397	90.7942
5/14/1996	183	A	7398	90.8064
2/13/2004	183	A	7399	90.8187
3/29/2005	183	A	7400	90.8310
4/8/2005	183	A	7401	90.8433
7/7/2006	183	A	7402	90.8555
1/15/2007	183	A	7403	90.8678
4/8/2010	183	A	7404	90.8801
3/19/1991	184	A	7405	90.8924
2/22/1994	184	A	7406	90.9046
5/5/2003	184	A	7407	90.9169
6/21/2003	184	A	7408	90.9292
8/13/2003	184	A	7409	90.9415
3/9/2005	184	A	7410	90.9537
6/30/2006	184	A	7411	90.9660
11/29/2009	184	A	7412	90.9783
12/1/2009	184	A	7413	90.9905
3/30/1993	185	A	7414	91.0028
12/30/1996	185	A	7415	91.0151
3/16/1998	185	A	7416	91.0274
3/30/1998	185	A	7417	91.0396
4/21/2000	185	A	7418	91.0519
8/6/2003	185	A	7419	91.0642
11/12/2003	185	A	7420	91.0765
3/30/2005	185	A	7421	91.0887
12/21/2008	185	A	7422	91.1010
6/6/2009	185	A	7423	91.1133
1/6/2010	185	A	7424	91.1256
4/9/1988	186	A	7425	91.1378
1/9/1993	186	A	7426	91.1501
3/31/2000	186	A	7427	91.1624
11/27/2002	186	A	7428	91.1747
3/18/2003	186	A	7429	91.1869
3/25/2003	186	A	7430	91.1992
4/22/2009	186	A	7431	91.2115
10/27/2009	186	A	7432	91.2238
4/1/1993	187	A	7433	91.2360
2/22/1996	187	A	7434	91.2483
3/17/1998	187	A	7435	91.2606
5/16/1998	187	A	7436	91.2729
4/19/2000	187	A	7437	91.2851
6/13/2003	187	A	7438	91.2974
6/19/2003	187	A	7439	91.3097
1/27/2006	187	A	7440	91.3220
4/21/2009	187	A	7441	91.3342
2/2/2010	187	A	7442	91.3465
6/16/1994	188	A	7443	91.3588
2/13/1996	188	A	7444	91.3711
4/20/2000	188	A	7445	91.3833
3/10/2003	188	A	7446	91.3956
6/12/2003	188	A	7447	91.4079
8/9/2003	188	A	7448	91.4202

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
8/14/2003	188	A	7449	91.4324
12/5/2003	188	A	7450	91.4447
5/23/2005	188	A	7451	91.4570
6/24/2009	188	A	7452	91.4693
1/23/2010	188	A	7453	91.4815
6/6/1992	189	A	7454	91.4938
3/4/1993	189	A	7455	91.5061
1/16/1994	189	A	7456	91.5184
5/8/2003	189	A	7457	91.5306
5/21/2003	189	A	7458	91.5429
7/14/2003	189	A	7459	91.5552
11/11/2003	189	A	7460	91.5674
11/13/2003	189	A	7461	91.5797
2/6/2004	189	A	7462	91.5920
11/28/2006	189	A	7463	91.6043
6/10/2009	189	A	7464	91.6165
1/14/1993	190	A	7465	91.6288
4/22/1993	190	A	7466	91.6411
2/21/1994	190	A	7467	91.6534
2/23/1996	190	A	7468	91.6656
5/4/2003	190	A	7469	91.6779
7/18/2003	190	A	7470	91.6902
1/4/2004	190	A	7471	91.7025
4/19/2007	190	A	7472	91.7147
1/5/2010	190	A	7473	91.7270
2/5/2010	190	A	7474	91.7393
2/18/2010	190	A	7475	91.7516
4/19/1993	191	A	7476	91.7638
9/28/1994	191	A	7477	91.7761
11/26/2002	191	A	7478	91.7884
6/6/2003	191	A	7479	91.8007
11/14/2003	191	A	7480	91.8129
12/17/2003	191	A	7481	91.8252
11/4/2009	191	A	7482	91.8375
2/4/2010	191	A	7483	91.8498
4/22/1991	192	A	7484	91.8620
4/9/1994	192	A	7485	91.8743
2/24/1996	192	A	7486	91.8866
4/19/1996	192	A	7487	91.8989
12/23/1996	192	A	7488	91.9111
12/24/1996	192	A	7489	91.9234
9/25/2003	192	A	7490	91.9357
11/26/2003	192	A	7491	91.9480
1/9/2004	192	A	7492	91.9602
1/20/2006	192	A	7493	91.9725
6/23/2009	192	A	7494	91.9848
2/3/2010	192	A	7495	91.9971
2/19/2010	192	A	7496	92.0093
9/7/1992	193	A	7497	92.0216
3/29/1993	193	A	7498	92.0339
2/19/1994	193	A	7499	92.0462
2/18/1997	193	A	7500	92.0584
4/8/1998	193	A	7501	92.0707
3/23/1999	193	A	7502	92.0830
2/20/2003	193	A	7503	92.0952
5/3/2003	193	A	7504	92.1075

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
10/31/2003	193	A	7505	92.1198
4/7/2005	193	A	7506	92.1321
12/16/2005	193	A	7507	92.1443
1/15/2006	193	A	7508	92.1566
12/22/2008	193	A	7509	92.1689
1/13/1993	194	A	7510	92.1812
2/20/1994	194	A	7511	92.1934
12/29/1996	194	A	7512	92.2057
4/5/2003	194	A	7513	92.2180
6/5/2003	194	A	7514	92.2303
7/4/2003	194	A	7515	92.2425
4/19/2004	194	A	7516	92.2548
1/3/2006	194	A	7517	92.2671
1/14/2007	194	A	7518	92.2794
11/28/2009	194	A	7519	92.2916
2/1/2010	194	A	7520	92.3039
2/9/2010	194	A	7521	92.3162
2/17/2010	194	A	7522	92.3285
4/14/1994	195	A	7523	92.3407
12/26/1996	195	A	7524	92.3530
5/2/2003	195	A	7525	92.3653
8/7/2003	195	A	7526	92.3776
8/8/2003	195	A	7527	92.3898
1/3/2004	195	A	7528	92.4021
11/23/2005	195	A	7529	92.4144
4/10/2010	195	A	7530	92.4267
1/29/1994	196	A	7531	92.4389
1/21/1996	196	A	7532	92.4512
3/7/1997	196	A	7533	92.4635
1/5/2004	196	A	7534	92.4758
1/8/2004	196	A	7535	92.4880
3/25/2010	196	A	7536	92.5003
3/27/1993	197	A	7537	92.5126
3/15/1998	197	A	7538	92.5249
3/18/1998	197	A	7539	92.5371
8/12/2000	197	A	7540	92.5494
9/6/2003	197	A	7541	92.5617
12/10/2003	197	A	7542	92.5740
4/2/2005	197	A	7543	92.5862
1/5/2006	197	A	7544	92.5985
1/13/2007	197	A	7545	92.6108
6/22/2009	197	A	7546	92.6231
11/22/2009	197	A	7547	92.6353
1/22/2010	197	A	7548	92.6476
2/16/2010	197	A	7549	92.6599
3/9/1993	198	A	7550	92.6721
4/3/1993	198	A	7551	92.6844
4/28/1993	198	A	7552	92.6967
12/25/1996	198	A	7553	92.7090
3/30/2001	198	A	7554	92.7212
12/12/2002	198	A	7555	92.7335
5/20/2003	198	A	7556	92.7458
6/2/2003	198	A	7557	92.7581
4/23/2009	198	A	7558	92.7703
2/20/2010	198	A	7559	92.7826
3/28/1993	199	A	7560	92.7949

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
2/21/2003	199	A	7561	92.8072
9/4/2003	199	A	7562	92.8194
2/12/2004	199	A	7563	92.8317
5/7/2009	199	A	7564	92.8440
4/9/2010	199	A	7565	92.8563
4/2/1996	200	A	7566	92.8685
5/9/1996	200	A	7567	92.8808
10/10/1996	200	A	7568	92.8931
12/27/1996	200	A	7569	92.9054
9/20/1999	200	Ae	7570	92.9176
3/21/2000	200	Ae	7571	92.9299
9/19/2003	200	Ae	7572	92.9422
12/18/2005	200	A	7573	92.9545
1/4/2010	200	Ae	7574	92.9667
4/27/1993	201	A	7575	92.9790
3/21/1994	201	A	7576	92.9913
12/28/1996	201	A	7577	93.0036
4/9/1998	201	A	7578	93.0158
4/12/1998	201	A	7579	93.0281
12/16/2002	201	A	7580	93.0404
5/1/2003	201	A	7581	93.0527
1/2/2004	201	A	7582	93.0649
3/26/2005	201	A	7583	93.0772
6/10/2005	201	Ae	7584	93.0895
2/12/2006	201	A	7585	93.1018
1/12/2007	201	A	7586	93.1140
9/11/2009	201	A	7587	93.1263
11/23/2009	201	A	7588	93.1386
2/15/2010	201	A	7589	93.1509
4/6/2010	201	A	7590	93.1631
4/2/1993	202	A	7591	93.1754
3/7/1998	202	A	7592	93.1877
4/4/1998	202	A	7593	93.2000
2/18/2003	202	A	7594	93.2122
10/30/2003	202	A	7595	93.2245
11/25/2003	202	A	7596	93.2368
1/1/2004	202	A	7597	93.2490
1/20/2004	202	A	7598	93.2613
11/27/2006	202	A	7599	93.2736
12/25/2009	202	A	7600	93.2859
7/24/1995	203	A	7601	93.2981
3/6/1998	203	A	7602	93.3104
3/29/1998	203	A	7603	93.3227
9/28/2000	203	A	7604	93.3350
4/1/2001	203	A	7605	93.3472
2/19/2003	203	A	7606	93.3595
11/13/2006	203	A	7607	93.3718
2/15/2007	203	A	7608	93.3841
3/30/1991	204	A	7609	93.3963
3/26/1993	204	A	7610	93.4086
4/12/1993	204	A	7611	93.4209
2/12/1996	204	A	7612	93.4332
4/10/1996	204	A	7613	93.4454
4/16/1996	204	A	7614	93.4577
11/21/2002	204	A	7615	93.4700
11/25/2002	204	A	7616	93.4823

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
1/5/2007	204	A	7617	93.4945
1/31/2010	204	A	7618	93.5068
5/22/1993	205	A	7619	93.5191
1/30/1994	205	A	7620	93.5314
4/4/2003	205	A	7621	93.5436
2/13/2006	205	A	7622	93.5559
3/3/1987	206	A	7623	93.5682
1/12/1993	206	A	7624	93.5805
3/25/1993	206	A	7625	93.5927
4/8/1994	206	A	7626	93.6050
5/12/1998	206	A	7627	93.6173
6/18/2001	206	A	7628	93.6296
4/30/2003	206	A	7629	93.6418
6/20/2003	206	A	7630	93.6541
11/8/2003	206	A	7631	93.6664
11/9/2003	206	A	7632	93.6787
11/10/2003	206	A	7633	93.6909
3/20/1994	207	A	7634	93.7032
9/26/2000	207	A	7635	93.7155
7/18/2005	207	A	7636	93.7278
1/30/2010	207	A	7637	93.7400
2/10/1994	208	A	7638	93.7523
5/11/1996	208	A	7639	93.7646
3/14/1998	208	A	7640	93.7769
3/28/2000	208	A	7641	93.7891
4/6/2003	208	A	7642	93.8014
4/29/2003	208	A	7643	93.8137
12/23/2003	208	A	7644	93.8259
10/10/2005	208	A	7645	93.8382
3/19/2007	208	A	7646	93.8505
11/21/2009	208	A	7647	93.8628
2/8/2010	208	A	7648	93.8750
2/21/2010	208	A	7649	93.8873
2/25/1987	209	A	7650	93.8996
3/23/1994	209	A	7651	93.9119
4/3/1996	209	A	7652	93.9241
3/27/2000	209	A	7653	93.9364
3/30/2000	209	A	7654	93.9487
12/19/2003	209	A	7655	93.9610
1/19/2006	209	A	7656	93.9732
5/9/2009	209	A	7657	93.9855
11/27/2009	209	A	7658	93.9978
12/24/2009	209	A	7659	94.0101
4/16/1994	210	A	7660	94.0223
4/12/1996	210	A	7661	94.0346
6/1/2003	210	A	7662	94.0469
11/7/2003	210	A	7663	94.0592
3/31/1991	211	A	7664	94.0714
9/27/1992	211	A	7665	94.0837
2/11/2004	211	A	7666	94.0960
2/14/2010	211	A	7667	94.1083
9/26/1992	212	A	7668	94.1205
5/12/1996	212	A	7669	94.1328
1/7/2004	212	A	7670	94.1451
1/21/2010	212	A	7671	94.1574
3/24/2010	212	A	7672	94.1696

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
4/5/2010	212	A	7673	94.1819
3/8/1998	213	A	7674	94.1942
4/7/1998	213	A	7675	94.2065
5/15/1998	213	A	7676	94.2187
3/16/1999	213	A	7677	94.2310
12/14/2002	213	A	7678	94.2433
4/6/2005	213	A	7679	94.2556
1/26/2006	213	A	7680	94.2678
5/14/2008	213	A	7681	94.2801
3/11/2010	213	A	7682	94.2924
4/23/1993	214	A	7683	94.3047
5/16/2003	214	A	7684	94.3169
5/22/2003	214	A	7685	94.3292
12/31/2003	214	A	7686	94.3415
3/28/1998	215	A	7687	94.3537
9/5/2000	215	A	7688	94.3660
12/13/2002	215	A	7689	94.3783
3/9/2003	215	A	7690	94.3906
4/7/2003	215	A	7691	94.4028
3/21/2010	215	A	7692	94.4151
3/19/1994	216	A	7693	94.4274
1/4/2007	216	A	7694	94.4397
1/6/2007	216	A	7695	94.4519
3/10/2010	216	A	7696	94.4642
2/24/1987	217	A	7697	94.4765
3/8/1993	217	A	7698	94.4888
4/7/1994	217	A	7699	94.5010
8/14/1996	217	A	7700	94.5133
3/26/2000	217	A	7701	94.5256
4/28/2003	217	A	7702	94.5379
1/23/2006	217	A	7703	94.5501
6/21/2009	217	A	7704	94.5624
2/18/1994	218	A	7705	94.5747
12/22/1996	218	A	7706	94.5870
8/14/2000	218	A	7707	94.5992
11/24/2003	218	A	7708	94.6115
2/6/2010	218	A	7709	94.6238
3/22/2010	218	A	7710	94.6361
4/6/1994	219	A	7711	94.6483
3/13/1998	219	A	7712	94.6606
1/19/2004	219	A	7713	94.6729
2/13/2010	219	A	7714	94.6852
1/11/1993	220	A	7715	94.6974
1/20/1996	220	A	7716	94.7097
8/27/1998	220	Ae	7717	94.7220
3/29/2000	220	A	7718	94.7343
3/27/2003	220	A	7719	94.7465
6/11/2003	220	A	7720	94.7588
11/3/2009	220	A	7721	94.7711
4/11/1993	221	A	7722	94.7834
3/18/1994	221	A	7723	94.7956
5/10/1996	221	A	7724	94.8079
3/26/2003	221	A	7725	94.8202
4/25/2003	221	A	7726	94.8325
12/30/2003	221	A	7727	94.8447
2/7/2010	221	A	7728	94.8570

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
3/25/1994	222	A	7729	94.8693
3/26/1994	222	A	7730	94.8816
5/13/1996	222	A	7731	94.8938
3/24/2001	222	A	7732	94.9061
12/15/2002	222	A	7733	94.9184
3/28/2003	222	A	7734	94.9306
6/7/2003	222	A	7735	94.9429
7/17/2005	222	A	7736	94.9552
11/20/2009	222	A	7737	94.9675
2/22/2010	222	A	7738	94.9797
3/24/1994	223	A	7739	94.9920
9/23/1994	223	A	7740	95.0043
3/27/1998	223	A	7741	95.0166
3/29/2003	223	A	7742	95.0288
5/26/2003	223	A	7743	95.0411
12/22/2003	223	A	7744	95.0534
1/6/2004	223	A	7745	95.0657
5/20/2005	223	A	7746	95.0779
1/3/2010	223	A	7747	95.0902
3/27/1994	224	A	7748	95.1025
2/10/1996	224	A	7749	95.1148
4/2/2003	224	A	7750	95.1270
5/19/2003	224	A	7751	95.1393
5/25/2003	224	A	7752	95.1516
12/9/2003	224	A	7753	95.1639
2/10/2004	224	A	7754	95.1761
4/18/2004	224	A	7755	95.1884
7/10/2005	224	A	7756	95.2007
1/29/2010	224	A	7757	95.2130
4/3/2003	225	A	7758	95.2252
5/23/2003	225	A	7759	95.2375
11/26/2009	225	A	7760	95.2498
3/9/2010	225	A	7761	95.2621
3/23/2010	225	A	7762	95.2743
3/2/1987	226	A	7763	95.2866
1/10/1993	226	A	7764	95.2989
3/23/1993	226	A	7765	95.3112
3/1/1994	226	A	7766	95.3234
3/31/2001	226	A	7767	95.3357
1/11/2007	226	A	7768	95.3480
1/25/2010	226	A	7769	95.3603
3/22/1994	227	A	7770	95.3725
2/17/1997	227	A	7771	95.3848
3/2/1998	227	A	7772	95.3971
3/25/2000	227	A	7773	95.4094
3/2/2003	227	A	7774	95.4216
4/26/2003	227	A	7775	95.4339
4/27/2003	227	A	7776	95.4462
5/24/2003	227	A	7777	95.4585
5/31/2003	227	A	7778	95.4707
4/17/1993	228	A	7779	95.4830
3/1/2003	228	A	7780	95.4953
2/10/2010	228	A	7781	95.5075
9/5/2003	229	A	7782	95.5198
6/20/2009	229	A	7783	95.5321
12/23/2009	229	A	7784	95.5444

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
3/24/1993	230	A	7785	95.5566
4/4/2010	230	A	7786	95.5689
4/8/2003	231	A	7787	95.5812
12/29/2003	231	A	7788	95.5935
2/5/2004	231	A	7789	95.6057
5/8/2009	231	A	7790	95.6180
3/5/1998	232	A	7791	95.6303
11/24/2009	232	A	7792	95.6426
2/12/2010	232	A	7793	95.6548
3/17/1994	233	A	7794	95.6671
9/27/1994	233	A	7795	95.6794
4/11/1996	233	A	7796	95.6917
11/22/2002	233	A	7797	95.7039
4/18/2007	233	A	7798	95.7162
12/18/2009	233	A	7799	95.7285
3/20/2010	233	A	7800	95.7408
3/26/2010	233	A	7801	95.7530
9/6/1992	234	A	7802	95.7653
2/15/1997	234	A	7803	95.7776
5/28/2003	234	A	7804	95.7899
11/1/2009	234	A	7805	95.8021
4/5/1994	235	A	7806	95.8144
4/18/1996	235	A	7807	95.8267
3/5/2003	235	A	7808	95.8390
1/4/2006	235	A	7809	95.8512
11/26/2006	235	A	7810	95.8635
11/19/2009	235	A	7811	95.8758
3/28/2010	235	A	7812	95.8881
3/22/1993	236	A	7813	95.9003
4/24/2003	236	A	7814	95.9126
5/29/2003	236	A	7815	95.9249
11/23/2003	236	A	7816	95.9372
4/18/1993	237	A	7817	95.9494
12/21/2003	237	A	7818	95.9617
12/31/2009	237	A	7819	95.9740
3/8/2010	237	A	7820	95.9863
2/23/1994	238	A	7821	95.9985
4/15/1994	238	A	7822	96.0108
4/11/1998	238	A	7823	96.0231
9/3/2002	239	A	7824	96.0354
2/11/2010	239	A	7825	96.0476
3/26/1998	240	A	7826	96.0599
4/10/1998	240	A	7827	96.0722
7/7/2008	240	A	7828	96.0844
2/28/1994	241	A	7829	96.0967
3/1/1998	241	A	7830	96.1090
3/3/1998	241	A	7831	96.1213
5/13/2008	242	A	7832	96.1335
12/8/2009	242	A	7833	96.1458
1/20/2010	242	A	7834	96.1581
2/11/1996	243	A	7835	96.1704
11/24/2002	243	A	7836	96.1826
2/27/2003	243	A	7837	96.1949
12/17/2005	243	A	7838	96.2072
9/3/2006	243	A	7839	96.2195
11/2/2009	243	A	7840	96.2317

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
3/12/2010	243	A	7841	96.2440
2/28/2003	244	A	7842	96.2563
4/22/2003	244	A	7843	96.2686
4/23/2003	244	A	7844	96.2808
12/22/2009	244	A	7845	96.2931
12/30/2009	244	A	7846	96.3054
11/17/2002	245	A	7847	96.3177
3/4/2003	245	A	7848	96.3299
5/27/2003	246	A	7849	96.3422
7/17/2003	246	A	7850	96.3545
11/25/2009	246	A	7851	96.3668
7/8/2005	247	A	7852	96.3790
1/2/2010	248	A	7853	96.3913
3/7/2010	248	A	7854	96.4036
4/3/2010	248	A	7855	96.4159
4/21/2003	249	A	7856	96.4281
5/30/2003	249	A	7857	96.4404
2/17/1994	250	A	7858	96.4527
3/24/2000	250	Ae	7859	96.4650
8/15/2000	250	A	7860	96.4772
12/28/2003	250	A	7861	96.4895
3/19/2010	250	A	7862	96.5018
12/12/2008	251	A	7863	96.5141
3/4/1998	252	A	7864	96.5263
4/6/1998	252	A	7865	96.5386
11/14/2006	252	A	7866	96.5509
12/18/1996	253	A	7867	96.5632
2/22/1998	253	A	7868	96.5754
9/4/2000	253	A	7869	96.5877
12/17/2009	253	A	7870	96.6000
1/1/2010	253	A	7871	96.6122
3/21/1993	254	A	7872	96.6245
3/16/1994	254	A	7873	96.6368
3/19/1998	254	A	7874	96.6491
2/9/2004	254	A	7875	96.6613
12/19/1996	255	A	7876	96.6736
12/20/2003	255	A	7877	96.6859
1/7/2007	255	A	7878	96.6982
3/12/1998	256	A	7879	96.7104
4/17/2004	256	A	7880	96.7227
8/16/2001	257	A	7881	96.7350
1/28/2010	257	A	7882	96.7473
5/21/1993	258	A	7883	96.7595
2/28/1998	258	A	7884	96.7718
6/19/2009	258	A	7885	96.7841
4/5/2005	259	A	7886	96.7964
5/18/2003	260	A	7887	96.8086
4/17/2009	260	A	7888	96.8209
3/13/1993	261	A	7889	96.8332
3/25/1998	261	A	7890	96.8455
4/20/2003	262	A	7891	96.8577
12/24/2003	262	A	7892	96.8700
11/18/2009	262	A	7893	96.8823
12/19/2009	262	A	7894	96.8946
5/20/1993	263	A	7895	96.9068
9/27/2000	264	A	7896	96.9191

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
2/16/1994	265	A	7897	96.9314
3/3/2003	265	A	7898	96.9437
4/19/2003	265	A	7899	96.9559
2/11/1994	267	A	7900	96.9682
2/15/1994	267	A	7901	96.9805
3/15/1994	267	A	7902	96.9928
4/1/2003	267	A	7903	97.0050
12/8/2003	267	A	7904	97.0173
4/4/1994	269	A	7905	97.0296
4/9/2003	269	A	7906	97.0419
2/4/2004	269	A	7907	97.0541
3/8/2003	270	A	7908	97.0664
3/6/2010	271	A	7909	97.0787
3/7/1993	272	A	7910	97.0910
2/21/1998	272	A	7911	97.1032
4/5/1998	272	A	7912	97.1155
11/20/2002	272	A	7913	97.1278
2/22/2003	272	A	7914	97.1401
4/18/2003	272	A	7915	97.1523
12/21/2009	272	A	7916	97.1646
12/14/1996	273	A	7917	97.1769
12/21/1996	273	A	7918	97.1891
3/25/2005	275	A	7919	97.2014
12/13/2008	275	A	7920	97.2137
2/16/1997	276	A	7921	97.2260
2/26/2003	276	A	7922	97.2382
10/31/2009	276	A	7923	97.2505
3/27/2010	277	A	7924	97.2628
3/14/1994	278	A	7925	97.2751
4/17/1996	278	A	7926	97.2873
12/27/2003	278	A	7927	97.2996
2/14/1994	279	A	7928	97.3119
1/8/2007	279	A	7929	97.3242
6/28/2006	280	A	7930	97.3364
3/18/2010	280	A	7931	97.3487
8/12/2001	281	A	7932	97.3610
11/23/2002	281	A	7933	97.3733
1/25/2006	281	A	7934	97.3855
12/3/2009	281	A	7935	97.3978
2/27/1994	282	A	7936	97.4101
4/17/2003	282	A	7937	97.4224
4/16/2009	282	A	7938	97.4346
12/13/2009	282	A	7939	97.4469
3/2/1994	284	A	7940	97.4592
2/23/1998	284	A	7941	97.4715
2/1/1998	285	A	7942	97.4837
3/6/2003	285	A	7943	97.4960
3/20/1993	286	A	7944	97.5083
2/20/1998	286	A	7945	97.5206
2/23/2010	286	A	7946	97.5328
5/14/1998	287	A	7947	97.5451
8/19/1992	288	A	7948	97.5574
11/22/2003	288	A	7949	97.5697
12/6/2003	288	A	7950	97.5819
12/26/2009	288	A	7951	97.5942
4/2/2010	288	A	7952	97.6065

Millsboro Q Frequencies	Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
	12/7/2009	289	A	7953	97.6188
	12/14/2003	290	A	7954	97.6310
	1/10/2007	290	A	7955	97.6433
	11/12/2009	290	A	7956	97.6556
	12/6/2009	294	A	7957	97.6679
	12/20/2009	294	A	7958	97.6801
	3/24/1998	295	A	7959	97.6924
	3/30/2003	295	A	7960	97.7047
	3/2/2010	295	A	7961	97.7170
	12/16/2003	296	A	7962	97.7292
	3/28/1994	297	A	7963	97.7415
	5/17/2003	297	A	7964	97.7538
	6/10/2003	297	A	7965	97.7660
	5/22/2005	297	A	7966	97.7783
	3/17/1993	299	A	7967	97.7906
	12/29/2009	299	A	7968	97.8029
	3/9/1994	300	A	7969	97.8151
	2/2/1998	300	Ae	7970	97.8274
	9/19/1999	300	Ae	7971	97.8397
	9/1/2002	300	A	7972	97.8520
	1/3/2007	301	A	7973	97.8642
	12/16/2009	301	A	7974	97.8765
	7/23/1995	302	A	7975	97.8888
	12/17/1996	302	A	7976	97.9011
	12/20/1996	302	A	7977	97.9133
	8/13/2001	303	A	7978	97.9256
	9/12/2009	304	A	7979	97.9379
	2/27/1998	305	A	7980	97.9502
	12/5/2009	305	A	7981	97.9624
	3/10/1994	306	A	7982	97.9747
	3/31/2003	306	A	7983	97.9870
	3/8/1994	309	A	7984	97.9993
	9/2/2006	311	A	7985	98.0115
	3/3/2010	311	A	7986	98.0238
	3/5/2010	311	A	7987	98.0361
	6/29/2006	313	A	7988	98.0484
	11/17/2009	316	A	7989	98.0606
	4/16/2003	317	A	7990	98.0729
	12/7/2003	317	A	7991	98.0852
	11/23/2006	318	A	7992	98.0975
	11/25/2006	321	A	7993	98.1097
	3/18/2007	321	A	7994	98.1220
	3/1/2010	321	A	7995	98.1343
	3/23/2001	322	A	7996	98.1466
	3/13/1994	323	A	7997	98.1588
	12/12/2009	323	A	7998	98.1711
	3/9/1998	324	A	7999	98.1834
	4/13/2004	324	A	8000	98.1957
	3/7/2003	325	A	8001	98.2079
	12/11/2003	328	A	8002	98.2202
	1/18/2010	332	A	8003	98.2325
	12/13/2003	334	A	8004	98.2448
	4/3/1994	336	A	8005	98.2570
	3/17/2007	338	A	8006	98.2693
	2/17/1998	340	Ae	8007	98.2816
	9/20/2003	340	Ae	8008	98.2939

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
3/11/1998	342	A	8009	98.3061
4/16/2004	342	A	8010	98.3184
1/2/2007	342	A	8011	98.3307
4/15/2003	343	A	8012	98.3429
11/20/2003	343	A	8013	98.3552
2/7/2004	343	A	8014	98.3675
5/13/1998	345	A	8015	98.3798
2/13/1994	346	A	8016	98.3920
3/17/2010	346	A	8017	98.4043
12/26/2003	348	A	8018	98.4166
3/24/2005	349	A	8019	98.4289
4/16/2007	349	A	8020	98.4411
1/28/1998	350	Ae	8021	98.4534
11/19/2002	350	A	8022	98.4657
3/20/1998	355	A	8023	98.4780
3/29/2010	357	A	8024	98.4902
8/18/1992	358	A	8025	98.5025
3/22/2001	358	A	8026	98.5148
2/28/2010	358	A	8027	98.5271
4/1/1994	359	A	8028	98.5393
2/25/2003	359	A	8029	98.5516
3/7/1994	360	A	8030	98.5639
2/16/1998	360	Ae	8031	98.5762
2/18/1998	360	Ae	8032	98.5884
3/19/1993	361	A	8033	98.6007
1/19/2010	361	A	8034	98.6130
1/27/2010	361	A	8035	98.6253
2/12/1994	363	A	8036	98.6375
3/4/2010	363	A	8037	98.6498
3/18/1993	364	A	8038	98.6621
1/24/2006	365	A	8039	98.6744
3/16/1993	369	A	8040	98.6866
10/9/2005	369	A	8041	98.6989
2/8/2004	370	A	8042	98.7112
1/9/2007	372	A	8043	98.7235
4/10/2003	373	A	8044	98.7357
4/1/2010	379	A	8045	98.7480
2/26/1994	380	A	8046	98.7603
8/29/1998	380	Ae	8047	98.7726
7/16/2003	383	A	8048	98.7848
4/17/2007	384	A	8049	98.7971
3/21/1998	386	A	8050	98.8094
2/26/1998	388	A	8051	98.8217
12/15/2009	389	A	8052	98.8339
2/15/1998	390	Ae	8053	98.8462
4/4/2005	390	A	8054	98.8585
6/27/2006	390	A	8055	98.8707
3/23/1998	394	A	8056	98.8830
2/11/1998	400	Ae	8057	98.8953
8/28/1998	400	Ae	8058	98.9076
9/18/1999	400	Ae	8059	98.9198
3/6/1993	401	A	8060	98.9321
12/14/2009	402	A	8061	98.9444
3/31/1994	409	A	8062	98.9567
2/12/1998	410	Ae	8063	98.9689
2/14/1998	410	Ae	8064	98.9812

Millsboro Q Frequencies

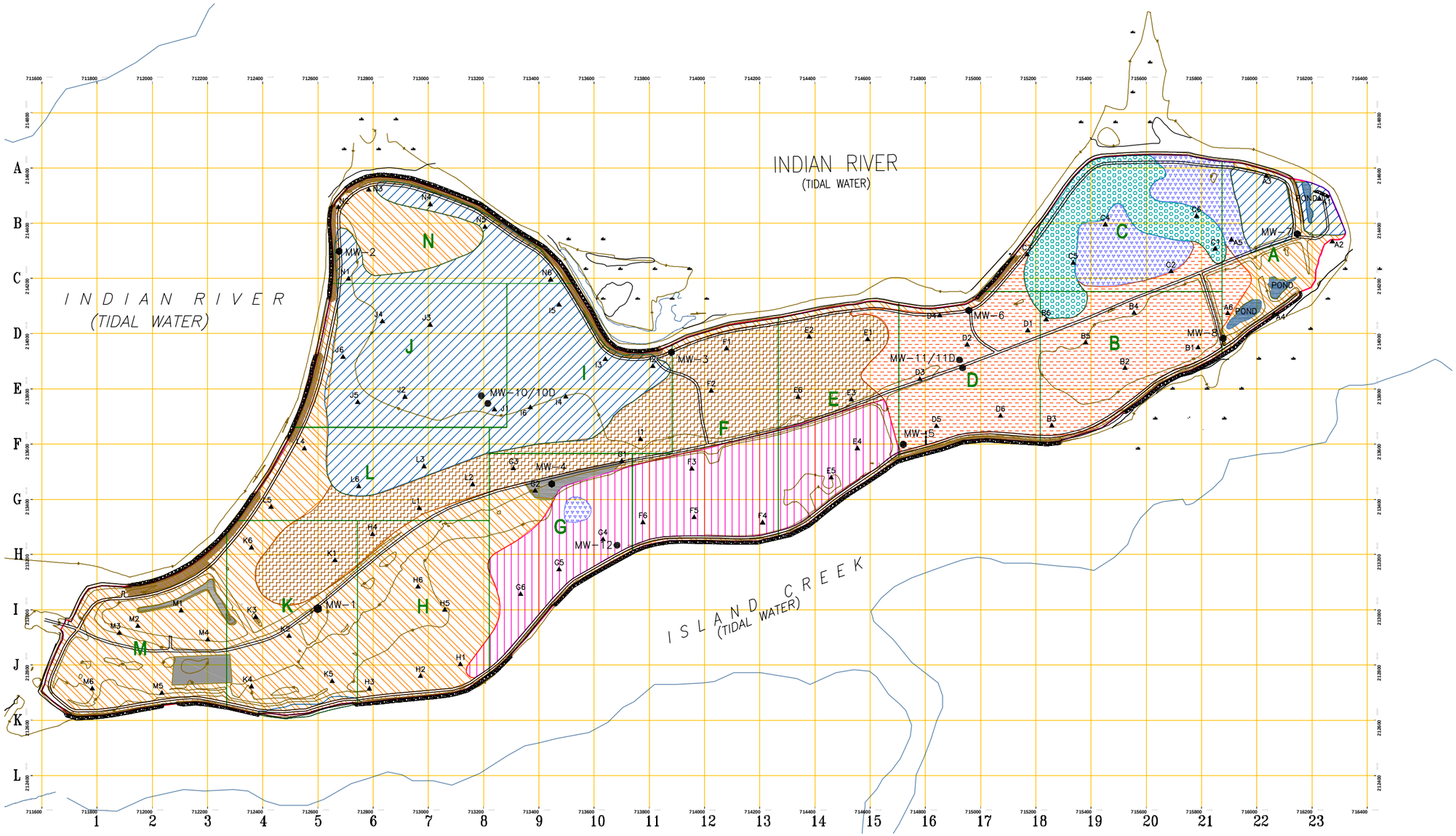
Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
7/9/2005	410	A	8065	98.9935
10/30/2009	410	A	8066	99.0058
12/28/2009	411	A	8067	99.0180
3/13/2010	411	A	8068	99.0303
4/15/2004	412	A	8069	99.0426
1/31/1998	416	A	8070	99.0549
11/16/2009	416	A	8071	99.0671
4/14/2003	417	A	8072	99.0794
11/21/2003	417	A	8073	99.0917
2/27/2010	417	A	8074	99.1040
2/10/1998	420	Ae	8075	99.1162
3/16/2010	421	A	8076	99.1285
11/18/2002	423	A	8077	99.1408
12/16/1996	426	A	8078	99.1531
2/13/1998	430	Ae	8079	99.1653
4/2/1994	431	A	8080	99.1776
3/12/1994	434	A	8081	99.1899
12/9/2009	440	A	8082	99.2022
3/11/1994	447	A	8083	99.2144
12/4/2009	448	A	8084	99.2267
2/3/1998	450	Ae	8085	99.2390
2/9/1998	450	Ae	8086	99.2513
12/15/2003	450	A	8087	99.2635
12/25/2003	461	A	8088	99.2758
3/6/1994	463	A	8089	99.2881
6/8/2003	466	A	8090	99.3004
4/14/2004	467	A	8091	99.3126
3/22/1998	472	A	8092	99.3249
6/9/2003	472	A	8093	99.3372
4/3/2005	476	A	8094	99.3495
3/10/1998	483	A	8095	99.3617
5/21/2005	494	A	8096	99.3740
4/11/2003	499	A	8097	99.3863
2/8/1998	500	Ae	8098	99.3986
3/29/1994	503	A	8099	99.4108
12/11/2009	503	A	8100	99.4231
1/26/2010	503	A	8101	99.4354
3/5/1993	504	A	8102	99.4476
11/24/2006	504	A	8103	99.4599
3/31/2010	504	A	8104	99.4722
12/12/2003	507	A	8105	99.4845
8/15/2001	509	A	8106	99.4967
2/24/1994	514	A	8107	99.5090
3/15/2010	516	A	8108	99.5213
2/24/1998	520	A	8109	99.5336
9/2/2002	536	A	8110	99.5458
3/22/2000	540	Ae	8111	99.5581
8/14/2001	548	A	8112	99.5704
3/23/2000	550	Ae	8113	99.5827
10/28/2009	550	A	8114	99.5949
12/27/2009	552	A	8115	99.6072
2/25/1998	559	A	8116	99.6195
2/25/1994	567	A	8117	99.6318
6/26/2006	574	A	8118	99.6440
4/13/2003	575	A	8119	99.6563
2/24/2003	578	A	8120	99.6686

Millsboro Q Frequencies

Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)
7/15/2003	587	A	8121	99.6809
2/26/2010	603	A	8122	99.6931
2/24/2010	610	A	8123	99.7054
2/23/2003	613	A	8124	99.7177
12/15/1996	618	A	8125	99.7300
3/30/1994	621	A	8126	99.7422
3/15/1993	643	A	8127	99.7545
4/12/2003	648	A	8128	99.7668
2/4/1998	650	Ae	8129	99.7791
11/15/2009	654	A	8130	99.7913
3/5/1994	663	A	8131	99.8036
2/7/1998	700	Ae	8132	99.8159
1/30/1998	718	A	8133	99.8282
10/29/2009	720	A	8134	99.8404
2/25/2010	754	A	8135	99.8527
3/30/2010	754	A	8136	99.8650
3/14/2010	782	A	8137	99.8773
2/6/1998	900	Ae	8138	99.8895
3/14/1993	908	A	8139	99.9018
2/5/1998	1000	Ae	8140	99.9141
12/10/2009	1010	A	8141	99.9264
11/13/2009	1060	A	8142	99.9386
11/14/2009	1110	A	8143	99.9509
3/3/1994	1150	A	8144	99.9632
1/29/1998	1220	A	8145	99.9755
3/4/1994	1260	A	8146	99.9877

Millsboro Q Frequencies	Date	Sorted Flow at Millsboro (cfs)	Code for Flow	Rank	Percent of Flows < or = to Flow on this Date (%)

OFFICE Trenton, NJ | DRAWING NUMBER 19684010-D2



LEGEND:

- BBU–BLACKBERRY DOMINATED 20 to 90%, UPLAND (area–167659 sq ft)
- BCU–BLACK CHERRY DOMINATED 25–70%, UPLAND (area–148791 sq ft)
- BLO–BAYBERRY/LOBLOLLY DOMINATED 50–100%, UPLAND (area–855616 sq ft)
- BLM–BLACK LOCUST MIX DOMINATED 5–70% UPLAND (area–568077 sq ft)
- LPH–LOBLLOY/COMMON REED MIX DOMINATED 25–100% UPLAND (area–577226 sq ft)
- SOF–SUCCESSIONAL OLD FIELD TO SHRUBLAND, DOMINATED WITH >25% COMMON REED, UPLAND (area–1186034 sq ft)
- BRM–BAYBERRY/RED MAPLE DOMINATED 25%–100% WETLAND/TRANSITION (area–461018 sq ft)
- ASH (area–45834 sq ft)
- OU2 AREA BOUNDARY
- POND (TOTAL AREA–12570 sq ft)
- ACCESS ROAD
- SAMPLING UNIT BOUNDARY
- INSTALLED RIP RAP REVETMENT FOR SHORELINE STABILIZATION
- MW–3 MONITORING WELL LOCATION
- F4 SOIL SAMPLE LOCATION AND ID

NOTE:

COORDINATE GRID IS IN DELAWARE STATE PLANE NAD83 (IN FT)

SCALE
0 200 400 600 FEET

REV	DESCRIPTION / ISSUE	DATE	APPROVED

Shaw Environmental, Inc.

NRG

INDIAN RIVER FACILITY
BURTON ISLAND
SUSSEX COUNTY, DELAWARE

VEGETATIVE & HABITAT COMMUNITIES OCTOBER 2009 & SOIL SAMPLE LOCATIONS

DESIGNED BY:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:	SCALE:	DRAWING NO.	SHEET NO.
--	A. Smith	A. Steele	R. Prann	7/18/11	AS SHOWN	19684010–D2	--

XREF Files: IMAGE Files:
File: O:\Shaw_Charlotte\CAD Files\Stoughton, MA\NRG\Indian River\19684010-D2.dwg
Plot Date/Time: Jul 19, 2011 – 4:53pm
Plotted By: arthur.smith