

**TABLE 1
PCB Mass Loading Summary
Christina River Basin**

Site Name	SIRB #	Regulatory Status	Surface Soil				Groundwater				PCB Mass Loading	
			PCB-Impacted Erodible Surface Soil Acreage	Concentration of Total PCBs Used in Calculations (mg/kg)	Analysis Type Used in Calculations	Uncertainty Factor	Concentration of Total PCBs Used in Calculations (ug/L)	Analysis Type Used in Calculations	Uncertainty Factor	via Overland Flow (g/yr)	via Groundwater Discharge (g/yr)	
A-1 Auto	DE-1172	Preliminary investigation completed	0.3	0.75	Method 8082	Moderate to high	NA-no saturated or gw PCBs	None	NA	0.4	0.0	
American Scrap and Waste	DE-1131	Preliminary investigation completed	Area 1- 1.22 Area 2- 1.96	Area 1- 3.25 Area 2- 180	Method 8082	Moderate	ND/2.74 ug/L*	Immunoassay	Moderate to high	500	2.5 to 19	
American Tank Trailer Cleaning	DE-1180	Preliminary investigation completed	2.4	1.75	Method 8082	Moderate to high	NA-no saturated or gw PCBs	None	NA	11	0.0	
Amtrak Refueling Yard	DE-0266	Interim actions completed; Draft RI/FS submitted; RA pending	Area 1- 21.9 Area 2- 15.7 Area 3- 4.68 Area 4- 7.17 Area 5- 4.44	Area 1- 27.6 Area 2- 171 Area 3- 20.2 Area 4- 171 Area 5- 9.53	Method 8082 and Congener Analysis	Moderate	Area A - 2.5 Area B - 0.83	Congener	Low	24,000	0.04 to 5.7	
Amtrak West Yards	DE-0159	Preliminary investigation completed	14.5	282	Method 8082	Moderate	NA-no saturated or gw PCBs	None	NA	3,600	0.0	
Amtrak Maintenance Facility	DE-0170	Interim actions submitted; RI/FS Work Plan submitted; approval pending	Area 1- 12.9 Area 2- 2.84 Area 3- 1.63 Area 4- 6.56	Area 1- 247 Area 2- 54.8 Area 3- 1.63 Area 4- 64.1	Method 8082 and Congener Analysis	Moderate	Area A- 3.71 Area B- 0.024 Area C- 4.85	Congener	Low	10,000	0.1 to 21	
Burns and McBride	DE-0325	RI approved; PPRA advertised 7/2008 - no PCB RA	0.06	0.140	Method 8082	Moderate	NA-no saturated or gw PCBs	None	NA	0.003	0.0	
Christina Marina	DE-1293	Remedial Action phase; no PCB RA	0.45	0.16	Method 8082	Moderate to high	(0.5U)/3 ug/L*	Method 8082	Low to Moderate	0.02	0.03 to 7.5	
Former Carney Harris	DE-1397	RI performed, draft RI report submitted Oct 2008	Area 1- 0.06 Area 2- 0.57	Area 1- 9.97 Area 2- 5510	Method 8082	Moderate	(0.5 U)/ Area A - 260 ug/L* Area B - 0.2 ug/L*	Method 8082	Low to Moderate	140	3.6 to 150	
Diamond State Foundry-Pullman Car Works	DE-1144	Preliminary investigation completed	0.65	1.5	Immunoassay	Moderate to high	(0.002 U)/27 ug/L* (0.54 U)/	Immunoassay	Moderate to high	0.5	0.001 to 0.02	
Diamond State Salvage	DE-0281	EPA-lead PCB RA completed	0.0	NA-Filled or Removed	NA	NA	Area A - 54 ug/L* Area B - 1.9 ug/L*	Method 8082	Moderate	0.0	0.28 to 28	
Dravo Shipyard-Harbor Associates	DE-1096	RA completed; no PCB RA	Area 1- 2.84 Area 2- 0.87	Area 1- 1.23 Area 2- 10.8	Method 8082	Moderate	NA/ Area A - 0.82 ug/L* Area B - 0.77 ug/L* Area C - 0.03 ug/L*	Method 8082	Moderate	22	0.0007 to 0.006	
Dravo Shipyard-Amer	DE-1092	RA completed; no PCB RA	0.32	2.34	Method 8082	Low to moderate	NA-no saturated or gw PCBs	None	NA	0.4	0.0	
Electric Hose and Rubber	DE-0174	Preliminary investigation completed	Area 1- 0.04 Area 2- 0.02	Area 1- 1970 Area 2- 2.4	Method 8082	Moderate to high	NA-no saturated or gw PCBs	None	NA	2.2	0.0	
The Estate of Lester Nolan	DE-0165	O&M Phase; PCB remediation completed	0.0	NA-Filled or Removed	NA	Moderate to high	NA-no saturated or gw PCBs	None	NA	0.0	0.0	
Hay Street Sludge Drying	DE-0024	RA phase for Iron-rich	0.0	NA-Contained	NA	NA	0.0025	PCB congener	Low	0.0	0.01 to 0.3	
Holly Oak Substation	DE-1200	Spill clean-up in 1994, RI in 2003. FPRA required deed restriction to commercial use and GMZ. Looks like GMZ was emplaced but no need restriction in file.	0.068	6.25	Method 8082	Moderate	(0.67 U)/ 0.061 ug/L*	Method 8082	Moderate to high	0.2	0.00004 to 0.0009	

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Howard Street Commercial (Penn Del Metal Recycling)	DE-1401	Remedial Action phase; PCB RA complete and in reporting stage	0.0	NA-Filled or Removed	NA	NA	2.6**/ Area A - 0.08 ug/L* Area B - 0.5 ug/L* Area C - 0.0002 ug/L*	Method 8082	Low to Moderate	0.0	0.96 to 2.3
Justison Landing (Parcels C&D)	DE-1377 (DE-1040, DE-1335)	Remedial Action phase; PCB RA complete	0.11	0.36	Method 8082	Low to Moderate	(0.5 U)/ Area A - 0.22 ug/L* Area B - 0.01 ug/L* Area C - 0.42 ug/L*	Method 8082	Moderate to high	0.03	0.009 to 3.5
Justison Landing (Public Works Yard)	DE-1377 (DE-1090)	Remedial Action phase; PCB RA complete	0.0	NA-Filled or Removed	None	NA	0.086 ug/L	PCB Congener	Low to Moderate	0.0	0.07 to 0.3
Kreiger-Finger Property and Adjacent Sites (includes Kreiger-Finger, Kreiger Landfill, 320 A Street and South Wilmington Marsh Area 1 and Area 2)	DE-1067, DE-0156, DE-1291, and DE-1336 and DE-1337	Kreiger-Finger - PPRA advertised 10/08 for PCB hot spot removal and capping Kreiger Landfill - RI completed 320 A Street - RI completed, no RA required for commercial use South Wilmington Marsh Area 1 and Area 2 - Preliminary Investigation completed	4.7	21	Method 8082	Moderate	(1 U)/ Area A - 90 ug/L* Area B - 1.6 ug/L* Area C - 0.19 ug/L* Area D - 0.36 ug/L*	Method 8082	Moderate	200	20 to 300
Meco Drive/ Wayman Fire Protection	DE-1103	Preliminary investigation completed	0.03	5	Method 8082	Moderate	Not Analyzed/ 0.26 ug/L*	Method 8082	Moderate	1.5	0.5 to 7.5
Merkin Auto	DE-1175	Preliminary investigation completed	0.0	ND (<0.5)	Immunoassay	High	NA-no saturated or gw PCBs	None	NA	0.0	0.0
NVF Wilmington	DE-1374	Investigation performed, no PPRA	0.0	ND	Immunoassay	NA	(0.49 U)/ 0.067 ug/L*	Method 8082	Moderate to high	0.0	0.1 to 0.2
Peninsula Park	DE-1147	O&M Phase; no PCB RA	0.18	2.5	Method 8082	Moderate to high	(0.54 U)/ no saturated PCBs	NA	NA	0.1	0.0
Purina A Tower	DE-1263	Preliminary investigation completed	Area 1- 1.25 Area 2- 0.13	Area 1- 0.72 Area 2- 0.72	Method 8082	Moderate to high	(0.5 U)/ no saturated PCBs	NA	NA	0.3	0.0
Purina B Tower	DE-1264	Preliminary investigation completed	2.65	19	Method 8082	Moderate to high	(0.5 U)/ no saturated PCBs	NA	NA	9.1	0.0
Up the Creek	DE-1384	RI approved by DNREC; no PCB remediation recommended	2.52	0.78	Method 8082	Moderate	(0.91 U)/0.26 ug/L*	Method 8082	Moderate	0.5	0.0002 to 0.004
Salvation Army	DE-1370	DNREC SI performed in 2006	0.0	(0.120 U)	Method 8082	Moderate	(0.62 U)/0.49 ug/L*	Method 8082	Moderate	0.0	0.08 to 0.7
Shuster Auto	DE-1178	Preliminary investigation completed	2.92	0.1	Method 8082	Moderate to high	Not Analyzed/0.15 ug/L*	Method 8082	Moderate to high	0.4	0.03 to 0.3
Wilmington Coal Gas North	DE-1377 (Formerly DE-1046)	Remedial Action phase; PCB RA partially complete	Area 1- 0.25 Area 2- 0.14 Area 3- 0.34 Area 4- 0.17 Area 5- 0.14	Area 1- 0.1 Area 2- 0.38 Area 3- 1.3 Area 4- 1.3 Area 5- 0.14	Method 8082	Low to Moderate	(1 U)/ Area A - 11 ug/L* Area B - 0.51 ug/L* Area C - 0.11 ug/L*	Method 8082	Moderate	0.2	1 to 35
Wilmington Coal Gas South	DE-0114	NAPL Remediation needed; Need to amend PPRA	Area 1- 1.06 Area 2- 1.64	Area 1- 0.052 Area 2- 0.61	Method 8082	Moderate	(0.5 U)/0.025 ug/L*	Method 8082	Moderate to high	0.12	0.02 to 0.2

U-Not Detected at indicated maximum site detection limit

ND-Not Detected;detection limit not identified

NA-Not Applicable

*-GW concentration based on equilibrium partitioning of saturated soil concentration (GW conc/Conc estimated from saturated soil)

**-Source Area was remediated