

DEPARTMENT OF NATURAL RESOURCES & ENVIRONMENTAL CONTROL
DIVISION OF AIR & WASTE MANAGEMENT
SITE INVESTIGATION & RESTORATION BRANCH

STANDARD OPERATING PROCEDURE
SURFACE WATER SAMPLING PROCEDURE - SHALLOW

Surface Water Sampling Procedure - Shallow

Surface water samples are frequently obtained in shallow free-flowing streams, in ponds or lagoons, or near shores of large water bodies. The following equipment and procedure should be utilized.

Equipment:

Sample container with labels
Waterproof marker
Distilled water
Nitrile gloves
Waders (optional)
Chain of custody report
Decontamination equipment

Procedures:

1. Prepare a sketch with site characteristics, flow direction, observed surface drainage pathways, and approximate sample locations.
2. Record water depth, and other pertinent site information in the logbook.
3. Locate sampling locations as determined in Site Sampling Plan.
4. Take appropriate sample container to the farthest downstream or downwind sample location. If there is no current or drift, collect samples from the farthest location away from known contamination first.
5. With the mouth of the sample jar oriented upstream, fill the jar with water while moving the jar upstream. Replace lid, tighten securely, and rinse the outside of the jar with distilled water.
6. Preserve sample if necessary. Refer to FS-14 for appropriate preservative.
7. Label jar appropriately and record samples taken and procedures in field logbook.
8. Proceed to the next upstream or upwind location.