CHAPTER I

SECTION 2 FIGURES
Certification Unit Locations

EPA Phase 1 Evaluation Report - Hudson River PCBs Site

March 2010
Shoreline Dredging and Restoration Approach

Figure III-2-2

- **1** SLOPE VARIES, MEDIAN CONDITION IS 6'(H):1'(V)
- *1** SLOPE VARIES, MEDIAN CONDITION IS 10'(H):1'(V)

Scale: 1/4" = 1'-0"
Shoreline elevation 119.0

Rules:
1. Establish 5 ft offset from intersection of mud line with riprap face
2. Cut at 2h:1v from 5 ft offset through water column to mud line and to design DOC or 3H:1V stable slope (whichever encountered first)
3. Do not excavate below Presumed Stable 3h:1v Slope plane
4. Reach and cut along design DOC for remainder of CU

Presumed Stable 3h:1v Slope from toe of rip rap (located in field by probing)
Cut Lines at Trees and Stumps

**Rules:**
1. Establish 3 ft horizontal offset from intersection of tree and mud line.
2. Draw 3h:1v Presumed Stable Slope Line from intersection of tree with mud line.
3. Draw 3h:1v line from 3 ft offset down through mudline to Design DOC.
4. Dredge from mudline along 1:1 line to Design DOC or to Presumed Stable Slope Line.
5. Do not cut below 3h:1v stable slope line
6. Follow DOC for remainder of cut.

**Figure III-2-4**

- Tree or Stump With Root Ball at River Bank
- Limit of Dredging Falls Within Tree Trunk
- Mudline
- Presumed Stable 3h:1v Slope
- DOC
- 1:1 (45 deg) line from 3-ft offset.

* 3’ offset from mud line at tree
Debris Removal

Figure III-2-6

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Komatsu Excavator Unloading Sediment Into Trommel Screen
Hydrocyclones
Thickener Tank

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Figure III-2-9
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