

Record of Decision

Part 2: The Decision Summary

or elimination of a local population). Exposure parameters for the contaminated prey ingestion, incidental soil ingestion and dermal contact exposure pathways have been described in the Baseline Ecological Risk Assessment. If a cleanup value described above is below background values, then a background value was used as appropriate for the soil cleanup level.

Sediment cleanup levels for Lyman Mill Pond apply to Lyman Mill Stream Sediment and Floodplain Soil. Tables L-16 through L-18 summarize the soil cleanup levels for contaminants identified in Lyman Mill Stream Sediment and Floodplain Soil.

These cleanup levels in soils and sediment are consistent with ARARs for soil, attain EPA's risk management goals for remedial actions, and have been determined by EPA to be protective. These soil/sediment cleanup levels must be met at the completion of the remedial action at the point of compliance (throughout) in the Lyman Mill Stream Sediment and Floodplain Soil. Confirmatory sampling will be performed in the excavated areas at the end of the construction to confirm that the criteria for excavation, such as site-specific dioxin cleanup levels, and RIDEM residential direct exposure criteria, have been met, in addition to excavation of areas subject to erosion by confirming the delineated excavation footprint. For residential-use properties, incremental composite sampling of floodplain soil on approximately 20 properties will be used to evaluate areas requiring excavation. Precautionary measures to prevent exposure, such as fencing or spreading a cover (e.g., mulch or clean soil) may be taken on residential-use properties in the interim.

7. Site-wide Remedy Features

Site-wide Mitigation

Mitigation must be done to meet regulatory wetlands and floodplain requirements including but not limited to the following:

Out-of-kind mitigation for the lost habitat would be provided adjacent to the river, most likely along the western shore of Lyman Mill Pond and developing a permanent buffer zone. Several candidate locations along the western edge of Lyman Mill Pond include the mouth of Assapumpset Stream and former wetland situated southwest of the river channel remnant in the Oxbow Area, and a couple of other potential restoration opportunities along the eastern shoreline of Lyman Mill Pond

In addition, historical filling activities near the southwestern corner of the Oxbow Area and the confluence of Assapumpset Stream with the river provide opportunities for wetland restoration. The fill material would be removed, the original soil material tested for contamination (and further excavated as necessary), the land surface graded to re-establish proper wetland hydrology and then replanted to develop emergent marsh, scrub/shrub or palustrine forest habitat to be specified in the mitigation plan. Control of invasive species would also be required.

It is assumed that all work will be performed in an upstream to downstream direction to prevent re-contamination of areas previously remediated and that all remediation work will be carried concurrently in the Allendale Reach before proceeding to the Lyman Mill Reach.

REGION 1

RECORD OF DECISION

**CENTREDALE MANOR RESTORATION PROJECT
SUPERFUND SITE
NORTH PROVIDENCE, RHODE ISLAND**

SEPTEMBER 2012



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