

**Record of Decision
Part 2: The Decision Summary**

Table L-5. Allendale and Lyman Mill Sediment Alternative 7a, Cost Detail Summary

Category	Description	Cost	Assumption
Direct Costs	Mobilization & temporary roads	\$1,800,000	384,000 sf of roads and work areas
	Drain ponds	\$3,500,000	Repair Lyman Mill Dam gate structures; gravity drain; sheet pile along centerline
	Excavate, haul, thin-layer cover	\$5,800,000	Excavate 155,800 cy, thin-layer cover 47,000 tons
	Upland CDF/sediment processing	\$17,100,000	Mechanical dewatering, treat water and build approx 5 acre CDF
	Contractor supervision/field office	\$2,500,000	21 months for field staff
	Off-site Disposal (incineration)	\$9,900,000	10% of dewatered sediment (11,300 tons @ \$880/ton)
	Health and safety	\$840,000	Safety officer and crew PPE
	Total Direct Costs	\$41,500,000	
Indirect Costs	Design and pre-design sampling	\$1,500,000	
	Construction oversight & QA	\$2,600,000	
	Legal and Admin	\$2,300,000	5% of total direct, design, & construction oversight/QA costs
	Property Purchase	\$600,000	Land for upland CDF
	Contingency	\$9,100,000	20% of total direct, design, & construction oversight/QA costs
	Total Indirect Costs	\$16,200,000	
TOTAL CAPITAL COSTS		\$57,700,000	
Operation and Maintenance	O&M	\$270,000	CDF cover maintenance; 30 years (Annual O&M \$22,000/year)
	Five-year reviews	\$32,000	30 years
	Monitoring	\$2,500,000	Annual benthic community analysis & fish/water/sediment/ CDF monitoring; 30 years (Annual monitoring \$199,000/year)
	Total O&M Costs	\$2,800,000	
TOTAL PRESENT WORTH COST		\$60,500,000	7% discount rate over 30 years

Notes: Additional cost to comply with the National Historic Preservation Act (NHPA) \$210,000 to \$240,000

REGION 1

RECORD OF DECISION

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

SEPTEMBER 2012



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