

Dredging & Sediment Cost Review - Appendix 11

Source:

Moffatt & Nichol 2009. Capitol Lake Alternatives Analysis Dredging and Disposal Addendum.  
Section 6.3, Table 14, page 33

**Table 14. Assumptions and 2008 Costs for Estuary Dredging over 50 Years: No Net Export**

Project	Low-Cost		Medium-Cost		High-Cost		Worst-Case	
	Assumption	Cost (\$M)	Assumption	Cost (\$M)	Assumption	Cost (\$M)	Assumption	Cost (\$M)
Initial Estuary	394,000 cy to Deschutes Parkway	\$10.8	394,000 cy to Deschutes Parkway	\$10.8	374,000 cy to Deschutes Parkway and 20,000 cy to landfill	\$16.4	374,000 cy to Deschutes Parkway and 20,000 cy to landfill	\$16.4
Years 5 and 10								
Marinas	44,000 cy to nearshore restoration	\$2.0 each event	40,000 cy to reclamation site and 4,000 cy to landfill	\$6.8 then \$5.3	26,000 cy to reclamation site and 18,000 cy to landfill	\$6.1 then \$4.6	44,000 cy to landfill	\$8.5 each event
Port	67,000 cy to Commencement Bay	\$1.2 each event	60,000 cy to reclamation site and 7,000 cy to landfill	\$5.6 then \$4.1	40,000 cy to reclamation site and 27,000 cy to landfill	\$7.9 then \$6.4	67,000 cy to landfill	\$9.5 each event
Years 15 and 20								
Marinas	48,000 cy to nearshore restoration	\$2.2 each event	43,000 cy to reclamation site and 5,000 cy to landfill	\$5.8 each event	38,000 cy to reclamation site and 10,000 cy to landfill	\$6.2 each event	48,000 cy to landfill	\$9.2 each event
Port	75,000 cy to Commencement Bay	\$1.3 each event	67,500 cy to reclamation site and 7,500 cy to landfill	\$4.5 each event	60,000 cy to reclamation site and 15,000 cy to landfill	\$6.0 each event	75,000 cy to landfill	\$10.7 each event
Years 25 and 30								
Marinas	50,000 cy to Anderson - K. Island	\$2.9 each event	47,500 cy to reclamation site and 2,500 cy to landfill	\$5.8 each event	45,000 cy to reclamation site and 5,000 cy to landfill	\$6.7 each event	50,000 cy to landfill	\$9.6 each event
Port	73,000 cy to Anderson - K. Island	\$1.0 each event	69,000 cy to reclamation site and 4,000 cy to landfill	\$4.1 each event	69,000 cy to reclamation site and 4,000 cy to landfill	\$5.0 each event	73,000 cy to landfill	\$10.4 each event