

Dredging & Sediment Cost Review - Appendix 12

Source:

Moffatt & Nichol 2009. Capitol Lake Alternatives Analysis Dredging and Disposal Addendum.
Section 3, Table 6, page 16

Table 6. Assumptions and 2008 Costs for Lake Dredging over 50 Years

Project	Low-Cost		Medium-Cost		High-Cost		Worst-Case	
	Assumption	Cost (\$M)	Assumption	Cost (\$M)	Assumption	Cost (\$M)	Assumption	Cost (\$M)
Initial	100,000 cy to nearshore restoration 775,000 cy to reclamation site	\$51.9	875,000 cy to reclamation site	\$57.9	835,000 cy to Commencement Bay 40,000 to landfill	\$102.2	875,000 to landfill	\$119.8
Year 10	350,000 to reclamation site	\$20.3	350,000 cy to reclamation site	\$22.4	330,000 to reclamation site 20,000 to landfill	\$32.0	350,000 to landfill	\$48.4
Year 20	100,000 cy to nearshore restoration 250,000 cy to reclamation site	\$19.7	350,000 cy to reclamation site	\$22.4	330,000 to reclamation site 20,000 to landfill	\$29.0	350,000 to landfill	\$48.4
Year 30	350,000 to reclamation site	\$20.3	350,000 cy to reclamation site	\$22.4	330,000 to reclamation site 20,000 to landfill	\$29.0	350,000 to landfill	\$48.4
Year 40	100,000 cy to nearshore restoration reclamation site 250,000 cy to reclamation site	\$19.7	350,000 cy to reclamation site	\$22.4	330,000 to reclamation site 20,000 to landfill	\$29.0	350,000 to landfill	\$48.4
Year 50	350,000 to reclamation site	\$20.3	350,000 cy to reclamation site	\$22.4	330,000 to reclamation site 20,000 to landfill	\$29.0	350,000 to landfill	\$48.4
Notes	Unit costs for reclamation site 10% lower than in Table 5.		Unit costs for reclamation site as shown in Table 5.		Unit costs for reclamation site 25% higher than in Table 5.		Unlikely case.	