3 December 2024 Project No. 22-28

Rob Hillis, Acting Director of Engineering and Operations City of West Kelowna 204-879 Anders Road, West Kelowna, BC, V1Z 1K2

ANTICIPATED COSTS FOR PHASE 2 – DREDGING OF NAVIGATION CHANNELS IN GREEN BAY, WEST KELOWNA, BC

Dear Mr. Hillis.

Arsenault Environmental Consulting Ltd. (Arsenault) is pleased to provide a task list and cost estimate to the City of West Kelowna Engineering and Operations Department (the Client). The tasks specifically relate to dredging navigation channels in Green Bay. Permits are well underway. The Province of British Columbia and the Government of Canada have indicated during a site meeting that their permission would be granted during 2024. The Client has asked Arsenault to summarize a list of tasks and an estimate of their costs in order to get the dredging completed during early spring 2025.

Tasks include:

Total with 25% contingency		\$887,500
tal		\$710,000
9.	Westbank First Nation archaeology monitoring	\$100,000
8.	Environmental monitoring (Arsenault, including fish salvage)	\$ 38,000
7.	Engineering monitoring (Tetra Tech estimate)	\$ 32,000
6.	Project management (Arsenault estimate)	\$ 15,000
5.	Miscellaneous costs (traffic control and road cleanup, etc.)	\$ 45,000
4.	Trucking materials to disposal site (includes spreading material out)	\$ 70,000
3.	Temporary storage site preparation and cleanup (includes path repair and fence)	\$ 15,000
2.	Sorting materials on land (volunteer excavator with local land owner)	\$ 15,000
1.	Dredging of the bay (estimate based on quote and includes mob/demob)	\$380,000

It is expected that the contracts for dredging and trucking will be awarded by late February 2025. Dredging will commence during early March 2025 but could be delayed until early April.

Cost estimates assume that the Ministry of Water, Land and Resource Stewardship provides a Change Approval during December 2024 or January 2025. It also assumes that the dredging program does not extend beyond 4-weeks of time.



We trust the information contained in this task outline meets your requirements at this time. If you have any questions, please call the undersigned at 250-300-9206. Regards,

Darryl Arsenault, M.Sc., R.P. Bio. Senior Fisheries Biologist

Copy: Bea Kline and Wayne Heal (Green Bay Property Association); Aurelien Hospital (Tetra Tech)

2/2 AECL Project 22-28