

September 9, 2016

Marni Fedoruk  
Environmental Project Coordinator  
BC Ministry of Transportation and Infrastructure  
940 Blanshard Street, Victoria BC V8W 3E6

**Re: Environmental Consulting Services for the Balfour Ferry Project - Channel Dredging**

Masse Environmental Consultants Ltd. (MEC) is pleased to provide the Ministry of Transportation and Infrastructure (MOTI) with this proposal to provide environmental consulting services for the Balfour Ferry Project. MOTI is investigating options for the Kootenay Lake Ferry services, one of which is dredging areas of the navigation in the West Arm of Kootenay Lake.

Scope of work would include a gap analysis, environmental impact assessment and mitigation planning for the preferred dredging option, and support with permitting and consultation.

Based on an initial review, the following issues have been identified that will need to be addressed in order for the project to move forward. We recommend that a company with experience in dredging be engaged to provide recommendations on the most appropriate means of carrying out the project.

1. Dredging methods (bucket vs suction)
2. Disposal location (lake bed or on land)
3. Composition of the dredgate (silt, sands, gravels etc)
4. Timing and duration of work

A preliminary budget estimate is provided in Table 1.

Sincerely,



Ico de Zwart  
Masse Environmental Consultants Ltd.

Table 1. Budget estimate for environmental consulting.

TASKS	DESCRIPTION	UNIT	QUANTITY	UNIT RATE (\$)	COST (\$)
<b>1</b>	<b>Environmental Review and Support</b>				
	Site visits	Biologist Hours	12	██████	██████
	Background review and gap analysis	Biologist Hours	20	██████	██████
	Environmental impact assessment	Biologist Hours	40	██████	██████
	Mitigation planning	Biologist Hours	24	██████	██████
	Mapping	Technician	8	██████	██████
	Permitting and consultation support	Biologist Hours	16	██████	██████
	Vehicle mileage	2 trips	140	██████	██████
	<b>Total Cost</b>				<b>\$11,372.80</b>