



KITIMAT

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Kitimat River Flood Mapping Study Request for Proposals Qualified Professional Services

Issue Date	Tuesday, September 8, 2020
Submission Time	11:00 AM (Pacific Standard Time) Wednesday, October 14, 2020
Contact Person	Samuel Anderson sanderson@collingsjohnston.com

Summary of Key Information

Submission Time	11:00 AM (Pacific Standard Time) on Wednesday, October 14, 2020
Submission Location	Electronic versions (PDF) of Proposals shall be submitted to the Contact Person.
RFP Title	The title of this Request for Proposals (RFP) is: Kitimat River Flood Mapping Study – Request for Proposals – Qualified Professional Services Please use this title on all correspondence.
Contact Person	The Contact Person for this RFP is: Samuel Anderson (sanderson@collingsjohnston.com) Please direct all enquiries, in writing, to the Contact Person. Telephone enquiries will not be accepted.
Enquiries	Proponents are encouraged to submit enquiries before 2:00 PM (Pacific Standard Time) on the day that is five (5) Business Days before the Submission Time to permit consideration by the District of Kitimat. The District may, in its discretion, decide not to respond to any enquiry.
RFP Documents	RFP documents may be downloaded from the BC Bid website at: https://www.bcbid.gov.bc.ca/ Any Addenda or further information relating to this RFP will be posted on BC Bid.

The District of Kitimat (the “**District**”) is carrying out flood inundation mapping and an assessment of existing flood mitigation infrastructure for the areas referred to as Cable Car, Service Area, and Kitimat Townsite, as well as for Haisla Nation IR #1 (**Figures A-1 and A-2, Appendix D**). The Kitimat River originates in the mountains to the east of the District and flows in a generally south direction through the District before draining into the Kitimat Arm (**Figure A-3, Appendix D**). Floodplain mapping for the Kitimat River was previously carried out by the Province of British Columbia in March 1982. This mapping covers a 30 km reach beginning in the area of the Kitimat Airport and extending into the Kitimat Arm (**Figure A-4, Appendix D**). Recent flooding experienced in 2017 highlighted the potential risks faced by the District, and a flood risk assessment was carried out by Northwest Hydraulic Consultants (“**NHC**”) in January 2020 to understand the potential impacts of flooding and identify areas of concern. Modernized floodplain mapping is needed to accurately assess risk, manage emergency response, and carry out of mitigation projects that promote long-term community resilience. An update to flood mapping is proposed for the area shown in **Figure A-5 (Appendix D)** which includes a 20 km long reach of the Kitimat River, as well as 6 km along Hirsch Creek.

The Kitimat River Flood Mapping Study (the “**Study**”) requires the following components:

- (1) Data collection and review;
- (2) Field survey;
- (3) Hydrologic analysis and climate change;
- (4) Geomorphology;
- (5) Hydraulic model development;
- (6) Flood mapping and reporting; and
- (7) Project management and quality assurance.

All components of the Study will be carried out by a Qualified Professional and will adhere to professional, provincial, and federal standards for flood mapping, including:

- Provincial Flood Hazard Area Land Use Management Guidelines;
- Professional Practice Guidelines – Legislated Flood Assessments in a Changing Climate in BC;
- Flood Mapping in BC: APEGBC Professional Practice Guidelines V 1.0;
- Specifications for LiDAR for the Province of British Columbia; and
- Federal Flood Mapping Guideline Series.