

**TO:** Committee of the Whole

**MEETING:** September 9, 2020

**FROM:** Courtney Simpson  
Senior Planner

**FILE:** 5285-20

**SUBJECT:** Englishman River Flood Hazard Mapping – Contract Award

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## RECOMMENDATION

That the Englishman River Flood Hazard Mapping contract be awarded to Kerr Wood Leidal for a value of \$149,413.74.

## SUMMARY

Updating flood hazard maps for the designated floodplains in the Regional District of Nanaimo (RDN) is part of the Sea Level Rise and Climate Adaptation Program (Adaptation Program).

It is recommended that the contract for the Englishman River flood hazard mapping be awarded to Kerr Wood Leidal that received the highest ranking with the lowest cost at \$149,413.74.

## BACKGROUND

Initiated in 2015, the Adaptation Program uses current approaches in science and engineering to better understand flood hazards in a changing climate and to identify options for reducing the risk of flooding. The Adaptation Program also provides a framework for responding to changes in provincial direction regarding local government role in reducing flood risks. A key achievement of the Adaptation Program so far is the development of coastal flood hazard maps in 2020.

Under the Adaptation Program, the RDN is now updating river floodplain maps for the three designated floodplains in the RDN: Englishman, Little Qualicum, and Nanaimo, beginning with the Englishman River. The new mapping will replace the existing mapping completed by the province in the 1980's and 1990's. It will incorporate climate change data and the recently completed coastal flood hazard maps to determine the flood extent and flood construction levels.

At the December 10, 2019 Regular Board meeting, the following motions were passed:

*That the Board allocate \$150,000 in the 2020 Budget to continue to implement the Sea Level Rise Adaptation Program. (19-470)*

*That the Board endorse a submission to the provincial Community Emergency Preparedness Fund to produce a combined river hazard mapping and risk assessment, under the Sea Level Rise Adaptation Program. (19-471)*

The RDN received a grant in June 2020 for the Englishman River Flood Hazard Mapping from the provincial Community Emergency Preparedness Fund in the amount of \$150,000.00.

## PROPOSAL SUMMARY

An RFP for the Englishman River Flood Hazard Mapping was publicly advertised from June 25 to July 23, 2020. Ten submissions were received and after initial review, four submissions were set aside as they did not meet the minimum requirements. Below are the six ranked firms with their proposed fees.

**Table 1: Complete Proposals**

RANK	NAME OF COMPANY	PROPOSED FEE (excluding GST)
1	Kerr Wood Leidal	\$149,413.74
2	Northwest Hydraulic Consultants	\$173,128.00
3	Golder Associates Ltd.	\$149,975.00
4	Ebbwater Consulting Inc.	\$190,920.00
5	BCG Engineering Inc.	\$174,610.00
6	Stantec Consulting Ltd.	\$191,890.00

The proposals were evaluated on the basis of 60% technical and 40% financial. Based on the proposal submission and evaluation, the proposal recommended by the Selection Committee is Kerr Wood Leidal.

All vendors were encouraged to include additional components in their proposal that would be of value to the RDN. Kerr Wood Leidal proposed to add an erosion assessment for the Englishman River within their proposed price, which will provide added benefit to land use planning and emergency planning. The Kerr Wood Leidal proposal demonstrated the project team understood the requirements and have the relevant qualifications and experience to complete the work as outlined in the RFP. Their proposal received the highest score and had the lowest fee.

The timeline to complete the project is September 2020 to May 2021. A condition of the UBCM funding is that the project is completed by June 5, 2021.

## ALTERNATIVES

1. That the Englishman River Flood Hazard Mapping contract be awarded to Kerr Wood Leidal for a value of \$149,413.74.
2. That other direction is provided.

## FINANCIAL IMPLICATIONS

The Englishman River Flood Hazard Mapping is funded through a grant in the amount of \$150,000.00 from the UBCM Community Emergency Preparedness Fund.

## STRATEGIC PLAN IMPLICATIONS

Climate Change - Be leaders in climate change adaptation and mitigation, and become net zero by 2032.

River Flood Hazard Mapping aligns with the Board's strategic priority to be leaders in climate change adaptation by better understanding flood hazards within the context of a changing climate and applying this information to current and future land use and emergency planning.



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Courtney Simpson  
csimpson@rdn.bc.ca  
August 27, 2020

Reviewed by:

- K. Felker, Manager of Purchasing
- J. Bradburne, Director of Finance
- P. Thompson, Manager Current Planning
- G. Garbutt, General Manager Strategic and Community Development
- P. Carlyle, Chief Administrative Officer