

BACKGROUND

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Ministry of Public Safety and Solicitor General

Feb. 21, 2008

\$10 MILLION FROM PROVINCE FOR 40 FLOOD PROJECTS

The Province has provided approximately \$10 million to local governments for 40 flood protection projects in various communities throughout British Columbia. The funding is part of the 10-year, \$100-million British Columbia Flood Protection Program.

Approved projects:

Location	Project Description	Total Project Cost
Abbotsford	Erosion protection to a 300-metre long section of the Fraser River bank near Ridgedale. Work includes softening the angle of the bank to stem erosion and reinforcing it with approximately 13,000 cubic metres of large rocks known as rip rap near Beharrell Road.	\$1,400,000
Abbotsford	Armour approximately 200 metres of the dike at the east end of Nicomen Island with rip rap rock.	\$219,000
Abbotsford	Improve the local flood drainage system at Nicomen Island with the addition of new ditches that will allow a 60-year old damaged flood box to be removed from the dike.	\$80,000
Abbotsford	Removing two failing drainage culverts from the Sumas Prairie Interceptor Dike between Cole Road and Bowman Road and replacing them with a new, larger capacity culvert to help carry storm water away from homes and businesses.	\$40,000
Abbotsford	Install 21 new survey markers along a 4.3-km section the Abbotsford Dike along the Vedder Canal to help flood control experts continue to quickly and accurately identify potential flood risks in this waterway.	\$25,000
Central Coast Regional District (Bella Coola Valley)	Increase production and stockpile riprap rock for emergency flood protection use throughout the Bella Coola Valley.	\$150,000
Central Coast Regional District (Bella Coola Valley)	Remove two log jams and stabilize the stream bank on the Salloompt River.	\$67,000
Central Coast Regional District (Bella Coola Valley)	Remove approximately 20,000 cubic metres of gravel in the upper reaches of Thorsen Creek to protect the Thorsen Creek bridge on Highway 20.	\$150,000
Central Coast Regional District (Bella Coola Valley)	Gravel will be removed from Snootli Creek, upstream of the Highway 20 bridge.	\$25,000
City of Chilliwack	Add rip rap rock armouring to approximately 250 metres of the banks along the Fraser and Hope rivers on the Camp Hope Improvement Project at the upstream end of Chilliwack's East dike.	\$360,000

City of Chilliwack	Install intake relief wells near the Hope Slough inlet facility.	\$300,000
City of Chilliwack	Install 75 additional groundwater relief wells along the West Dike of the Fraser River.	\$650,000
Comox Strathcona Regional District	Extend rip rap rock armouring for approximately 120 metres along the bank of the Oyster River south of Courtenay.	\$185,410
Coquitlam	Repair and reinstall the pump and replace the metal debris screen that protects the pump at the Debouville Slough Pumping Station on the Pitt River.	\$95,000
Courtenay	Raised low area of the Canterbury Dike adjacent to Condensory Bridge.	\$13,000
Creston	Armour 370 metres of the Nick's Island dike with large rocks known as rip rap.	\$200,000
Delta	Reinforce Boundary Bay sea dike by widening it, creating flatter slopes and armouring the top with large rocks.	\$750,000
Duncan	Replace sub-standard outfall pipes at the Marchmont Pump Station.	\$60,000
Fraser Valley Regional District	Remove 15,000 cubic metres of gravel deposits in Deroche Creek upstream of Nicomen Slough.	\$452,000
Fraser Valley Regional District	Remove approximately 10,000 cubic metres of gravel deposits from Cascade Creek.	\$282,000
Golden	Improve bank armouring along approximately 150 metres of Hospital Creek upstream from Highway 1.	\$112,500
Golden	Remove approximately 8,000 cubic metres of gravel deposits from the Kicking Horse River downstream of the pedestrian bridge in the Town of Golden. This site is an area where ice jams typically occur, impeding the river's flow resulting in flooding upstream.	\$70,000
Houston	Build a flood water debris trap on Buck Creek above the upstream end of the creek.	\$330,000
Houston	Engineering design work for a dedicated pump facility at Henry Creek.	\$21,800
Invermere	Large rocks will be used to armour the bank of Toby Creek closest to the District of Invermere wastewater treatment facility to prevent erosion and protect a critical emergency outflow pipe.	\$95,000
Kamloops	Realign the existing dike at the Kamloops airport and complete engineering design to extend this dike.	\$100,000
Kent	Replace the pump and screens at the Duncan-Bateson Pump Station.	\$460,000
Maple Ridge	Build a new storm water drainage system near the Golden Ears Bridge site to address recurring flooding issues in this area.	\$603,030
Mission	Raise more than 1.5 km of the Mission City Dike from Highway 11 to the CPR bridge to meet current flood protection standards. Work will also include some armouring of the dike using large rocks to prevent erosion.	\$530,552
Pemberton Valley Diking District	Replacement of two drainage culverts on Pemberton Creek at the south end of Clover Road.	\$137,164
Prince George	Provide funding for the city's request for an in-depth flood risk analysis that will identify long-term flood protection solutions for the community.	\$200,000

Princeton	Upgrade approximately 200 metres of the Similkameen River Dike near Alison Flats. Work includes raising widening and armouring sections of the dike.	\$80,000
Seabird Island Indian Band	Build a temporary bridge to Spring Bar to provide access to remove up to 400,000 cubic metres of gravel form the site. The bridge is in a location chosen to minimize its environmental impact.	\$164,000
District of Squamish	Add approximately 320 metres of rip rap rock armouring along the bank of the Squamish River at Judd Slough.	\$298,500
District of Squamish	Replace the pump at the Judd Slough Pump Station.	\$275,000
District of Squamish	Phase 1 of the District of Squamish flood protection upgrades project – pre-design study that includes survey and engineering assessment of existing flood protection.	\$150,000
Stewart	Remove approximately 6,000 cubic metres of gravel deposits on the east side of the Bear River	\$76,000
Tahsis	Install a debris trap at the entrance of a 2.4 metre culvert near Boston Road to prevent wood and other objects from blocking it. In the past, numerous properties have been impacted when this culvert has become plugged and high storm water flows from heavy rains have backed up into the community.	\$5,000
Telkwa	Add approximately 130 metres of rip rap rock armouring to the banks of the Bulkley River near Hope Street.	\$200,000
Vanderhoof	Engineering and design work for flood protection on the Nechako River at Vanderhoof.	\$156,500
Associated Costs for Fraser River Gravel Removal Studies and Projects	Environmental, biological and hydraulic studies to comply with Federal Department of Fisheries and Oceans and B.C. Ministry of Environment site selection and approvals requirements. Contract costs for independent environmental monitoring at approved sites.	\$136,000
Totals		\$9,704,456

Media contact: Glen Plummer
 Communications Manager
 Ministry of Public Safety and Solicitor
 General
 250 952-4846

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