

EMERGENCY WATER SUPPLY UPPER NANAIMO RIVER DIVERSION GREATER NANAIMO WATER DISTRICT

As part of the City of Nanaimo's Emergency Water Supply Program, a series of temporary emergency intake systems were proposed to maintain water supply in the event of a disaster.

One of these intakes is located at the Upper Nanaimo River where the City's two large diameter water supply mains fed by the South Fork Dam cross the Nanaimo River. The new assembly allows water to be pumped into either of the two supply mains directly from the Nanaimo River using local Fire Department pumper truck equipment.

This project required the installation of a 406 mm diameter welded steel section of fully valved pipe work to interconnect the 750 mm and 1200 mm diameter supply mains, a series of Storz pumper inlets to enable access to the mains, and a level surfaced pumper pad port adjacent to the Nanaimo River to enable up to five fire trucks to draught water directly from the river.

The steel spool pieces used on this project were lined with fusion bonded epoxy coating in accordance with AWWA C213.



Installation of part of the 406 mm diameter inter-connection between the 750 mm and 1200 mm diameter water supply main.