

Puntledge River Repair Final Report



Review of Events

- Late December 2018 a leak was suspected and investigation began
- Leak identified in early January and precise location determined using various methods (operators, camera and acoustic)
- 3rd and 4th week in January – Building the team and deciding on repair methodology. Notified regulators and stakeholders
- Through February and March – developed safe work procedures, repair procedures, procurement and fabrication of parts, communications strategy, acquired permits and approvals (DFO, BC Hydro, Island Health, WorkSafe, etc.)
- April 12th, The Comox Valley was placed on Stage 4 water restrictions and the water main was isolated for the repair
- April 20th, passed the pressure test and began the chlorination/ flushing/ sampling procedures
- Repair was successfully completed and the water main was put back in service on Easter Monday
- Sunday morning Mike went to Palm Springs for 5 days to decompress

East Side Site



East Side Site



- Butterfly valve
- Tee for future replacement
- Cathodic isolation and protection
- Greaves Cres feed from either side of valve
- Dismantling flange
- Flushout
- Airvalve

Final Cost Breakdown

Project Cost Breakdown	
Lead Consultant	\$216,923
General Contractor/Excavation	\$310,734
Pipe Fabrication/Welding/Installation	\$386,388
Underwater Welders	\$26,932
Other sub-contractors/materials	\$165,063
Greaves Temp Water system	\$18,514
Butterfly Valves (2)	\$63,446
Total	\$1,188,000

Stage 4 Restrictions

- April 12th – 22nd Comox Valley was put on Stage 4 Restrictions
- Big impact on both residential and commercial customers
- Community responded and consumption dropped
- Consultant was hired to assist with identification/notification of high/critical water users notification
- Through that consultation, we will be working with Municipal staff to bring forward some recommended changes for consideration early 2020



Questions?

