

## Water System Report

This report will review not only the operation of the water system but all the related activities that your board has been involved in with respect to the system

### Operation

The system operated as designed during 2016. There were hydro losses and the backup power came on as programmed. There were some minor leaks and renewed connections that required temporary local shutdowns but these were completed without great disruption to ratepayers. The system continues to save significant money on hydro as it is much more efficient than the former system

The total consumption for the year was approximately 100,000 M3 or about a M3 per day per ratepayer. This is down considerably due to weather and the efforts of ratepayers. Our unit consumption is high by national standards but we are a rural community with larger properties and a long watering season. We do ask ratepayers to manage their water use. Although our aquifers are robust we do not know the effects of large long term withdrawals and there is a unit cost for water for licensing, chlorination and hydro.

We experienced some maintenance issues with the chlorine injector system. While the main system was being repaired the back up system was used. The backup system does not inject as accurately as the main system and some ratepayers may have noticed a chlorine aroma or taste to the water. This did not affect the drinking safety of the water but may have affected the aesthetic quality.

The main chlorine injection system has been repaired and reinstalled. In addition, thanks to a lot of work by Mike Mesford, a new chlorine monitoring system has been installed that will continuously track chlorine levels. This will allow the water technicians to react quickly when the chlorine levels move outside the operating requirements.

Watershed protection and sustainability

There has been an initiative led by Mike Mesford and several trustees to form a group with other water users in our local area that are interested in the protection of the watershed that feeds our aquifer. Sustainability of the watershed from approximately Rosewall Creek to the Tsuble River involves a larger community than just Ships Point. It is very important to us as we are making a substantial investment in our infrastructure and the system is very dependent on the aquifer and the sustaining recharge area. We should be supported in this initiative by the CVRD, VIHA, MoE, and FLNRO but none of these government departments seem to be accountable or interested.

#### Water Technical Committee (WTC)

The WTC is a committee set up to report to SPID. The membership includes volunteers, water technicians and a SPID appointed chair. The WTC provides technical advice and recommendations to the board on all aspects of the operation of the water system. The SPID board would like to thank the following for their contribution to the work of the WTC: Jim Wall, Dave Henderson, Bob Beedle, Jackie Ainsworth, Mike Mesford, Charlie Wells, Dave Shepherd, Ryan Schuck, Kevin Gardave and Jack Wilson

#### Water Technicians/ Bob Beedle

There will be a changing of the guard within the water technical group next year. Bob Beedle will be retiring when the Phase II upgrade is complete. Dave Shepherd will be taking his place and he will be supported by Mike Mesford and Dave Henderson. Personally and on behalf of the board I would like to thank Bob for his work and dedication in keeping the "lights on" for the water system. He has provided the technical support of the water system for more than a decade and he has worked through the many failures of the system and the many changes as the system has been upgraded. We wish him well in his retirement but we understand that he will be keeping his hand in the water business as he is on the Fanny Bay Water Board. Thank you Bob!

Bill Trussler WTC Chair























































































































































































é





éé/





