

**PIID WATER TRUSTEE'S
ANNUAL REPORT 2022**

Water Team Members

We have several very qualified Water Operators that keep testing and measuring our water quality. Thank you to Katie Steenman, Philippa White. After a well-deserved rest, Maureen Crooks recently re-joined the water team to assist with training, and water testing.

Cara Hogan, Gary Cooney and Garth Irvine also provide weekly assistance in testing the water quality.

Our annual water meter reading and flushing of our system requires numerous volunteers. Thanks to Velvet Warrior, Katie & Philippa for taking the lead, notifying all the islanders of the events, and organizing the teams.

Gary Peacock, Ander Wynne-Edwards, Allan & Brian Warrior, Barry Tate, and Steve Thornton continue to help when called into service.

We receive quality water from the North Saanich and by maintaining our infrastructure and distribution system, we continue to offer the same high quality. Without dedicated Volunteers our Water program would not be effective.

Although the pandemic has slowed down, there are still some delays into acquiring parts and water testing kits into 2022. The Water Team continues to practice good health and safety when completing all tasks.

We lost two valuable members of our Water Team. Our dear friend Cam Russell passed away in January 2022. He was a valuable member of our team and was always willing to help. Cam is dearly missed.

Ming Huey Chang moved to Taipei City in Taiwan to help a family member. Ming was a dedicated Certified Water Operator and helped with all water team tasks.

Water Tank

The new water tank continues to perform at a very high standard with no issues or concerns.

Katie, Philippa, Maureen, and other team members are all working hard to keep the chlorine system on track. There are many steps needed to ensure the system remains functional.

A Service Representative from Greatario is expected to complete a review of our water tank operation including the testing of the cathodic protection system. Due to COVID they had to delay their travels, however we anticipate a fall review.

Curb Stop Project

A property owner recently discovered that they were sharing the curb stop with their neighbour. Each property is required to have their own individual curb stop. For unknown reasons when the new ring road water system was installed in the 70's one property was missed. (We hope it is only one)

Mike Siska provided much needed information on how the system was set up including original plans and drawings.

The addition of a new curb stop to the property was a first for all team members.

While digging up the main water line it was discovered that one property had a 1 ½" hose attached to the main water line. All the plans and designs showed ¾" hose. There was also a black wire running along the main water line that was not on the plan. Although not documented on any plans, it is believed to be the electrical connection between pump house 1 and 2 that runs the solenoid switches.

There are always twists and turns in most water projects as the infrastructure is dated and not all changes were documented.

A big Thanks to: Mark Fedje for digging up the site, Leanne Fedje, Gary Cooney, Garth Irvine, Velvet, Maureen, Cara, Gary P, Allan & Brian Warrior for helping with all the numerous tasks.

Notifying Islanders of the event, securing equipment from the firehall, opening and closing of valves and standpipes, purchasing parts, disinfecting tools and attachments, and excellent communication throughout the installation ensured it was completed successfully. Fortunately, there was a saddle clamp and valve on site which matched the 3" blue pipe.

Colin, a licensed plumber from District Plumbing was hired to complete the installation with Al & Brian Warrior providing hands on support to keep the site dry and manageable.

We appreciate your feedback on the messaging to Islanders about the project. In particular closing the quadrant, flushing the system, contamination and boiled water advisory. There was no concern or risk of contamination however the testing of the water system is standard after any work is completed. We will ensure to clarify the messaging in future.

All documentation including photographs, plans and drawings of the installation will be saved electronically on Sync.



Connection that has a 1 /12" hose



New Saddle Clamp and Valve connection with 3/4" hose running to a new curb stop.



Bottom arrow is new installation to main water line and top arrow connects 3/4" hose to resident curb stop. Buried with sand and warning tape and valves covered with PVC pipes to protect valves.

Pressure Reduction Valve (PRV) Replacement

In February 2021 while testing the equipment it was discovered that the PRV in pump house #1 was malfunctioning. This is a key piece of equipment that ensures North Saanich water can be reduced from 125 psi to 80 psi.

It took approximately 6 months for the Plumber to find and purchase a new PRV that would work in our water system.

We took advantage of having the plumber complete the new curb stop project and install the PRV the same day.

Once again, volunteers Maureen and Garth helped with the shutting and opening of valves and flushing the system.

Colin and Rashad from District Plumbing installed the new PRV. The glue required six hours of drying time and the PRV was tested the following day. The psi was set at 80 and the system is fully functional once again.



Old PRV on right.



New PRV installed and fully operational.

Future Projects - Standpipe at Water Tower

Prior to the summer we need to add a new fire standpipe at the water tower. When pump house #2 was renovated, the existing standpipe was removed.

We are looking for someone to lead this project that has knowledge on standpipe installations. Water Team members will be available to assist as needed.

Completion of Lean To at Pump House#2

All the materials needed to complete the addition to PH#2 are on site. We are looking for volunteers to help complete this project. Some lighting needs to be added, insulation and drywall on the inside and hardi plank on the outside. The tin roof is in place. With 2-3 skilled volunteers we should be able to complete this project in a few days.

Anyone willing to take the lead or help out please let me know.

Volunteers needed

We always need new volunteer members to join the water team.

In addition to developing new Certified Water Operators there are numerous tasks that we always need help with. Annual flushing of system, generator maintenance, serving air valves, annual meter reading, daily reading and logging of consumption at PH #1, checking the Piers vault, checking systems including standpipes, chlorine pumps, and small projects etc.

If you can help, please contact a member of the water team for more information.

Thank you for your continued support.

Monique Joubarne, PIID Water Trustee

June 2022