



2S Water Douglas Creek Deployment Proposal

Scope of Project:

2S Water will install an AquaValid sensor at the sample testing location to continuously monitor metal concentrations within the flow at Douglas Creek. This sensors collects data that is transmitted to the cloud.

The AquaValid sensor from 2S Water is fully automated and can be operated remotely. It supports connectivity through Wi-Fi or cellular connections.

The AquaValid will be in an environmental case which can be attached to the railing. This will provide environmental and theft protection while keeping the unit out of the way of users of the area.

Deploy site is by the water height measuring station pictured below. It is located across the stream from the water measuring station, also pictured below.



Image one: level monitoring station



Image two: proposed deploy location



Date:

The projected date of the deployment is September 2023.

Where:

Douglas Creek
4500 Cedar Hills Rd
Douglas Creek Park
Saanich, BC, Canada

Metals:

The AquaValid can measure up to 5 at the moment. Parameters will be determined by the test results of the samples taken.

Length of deployment:

The initial deployment will be three months, with the opportunity to extend based on mutual interest.

Cost of deployment:

The deployment will be provided at no cost to the PKOLS-Mount Douglas Conservancy.

Requirements from 2S Water:

2S Water will provide the following:

- The sensor
- Connectivity to the sensor
- Environmental protection
- All consumables
- Validation testing points (external lab)
- Data from the test

Requirements from PKOLS-Mount Douglas Conservancy:

- Permission to deploy at site

Deliverables:

The deliverables of the project are:

- A functional sensor generating data at the site
- Data delivery to PKOLS-Mount Douglas Conservancy

Sensor Removal:

2S Water is solely responsible for removal of the sensor. The sensor will be removed after three months, should no extension be agreed upon, or at the written request of PKOLS-Mount Douglas Conservancy at any time.