



## Saltair Water System Annual Report

|                                |                                     |
|--------------------------------|-------------------------------------|
| Reporting Period:              | January 1, 2017 – December 31, 2017 |
| Operating Permit Number:       | 1310841                             |
| Drinking Water System Owner:   | Cowichan Valley Regional District   |
| Drinking Water System Contact: |                                     |
| Name:                          | <u>Brian Dennison</u>               |
| Phone No.:                     | <u>250-746-2532</u>                 |
| Email:                         | <u>bdennison@cvrld.bc.ca</u>        |

**1. Microbiological testing completed during this reporting period:**

- a. Bacteriological results attached to this report.
- b. Adverse bacteriological results:    None detected  
                                                            Listed in table below:

**Adverse Results**

| Date      | Total Coliform | E. Coli | Reason              | Corrective Action |
|-----------|----------------|---------|---------------------|-------------------|
| Nov 15/17 |                |         | Too long in transit | Resample          |
| Nov 15/17 |                |         | Too long in transit | Resample          |
|           |                |         |                     |                   |
|           |                |         |                     |                   |

**2. Chemical results for this reporting period:**

- a. Most recent chemical analysis attached to this report.
- b. chemical parameters listed in *The Guidelines for Canadian Drinking Water Quality* (“the Guidelines”) are:  
 all within the GCDWQ  
 above the GCDWQ and are listed below: Distribution Water

**Parameters above the Guidelines:**

| Parameter               | Result     | Max. Acceptable Concentration | Aesthetic Objective | Treatment/Corrective Action |
|-------------------------|------------|-------------------------------|---------------------|-----------------------------|
| Haloacetic acids 5/HAA5 | 0.0856mg/L | 0.08mg/L                      |                     |                             |
| Haloacetic acids 5/HAA5 | 0.121mg/L  | 0.08mg/L                      |                     |                             |



|                         |            |          |  |  |
|-------------------------|------------|----------|--|--|
| Haloacetic acids 5/HAA5 | 0.102mg/L  | 0.08mg/L |  |  |
| Haloacetic acids 5/HAA5 | 0.0811mg/L | 0.08mg/L |  |  |

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**3. Summarize additional testing and sampling carried out in accordance with the requirement of a Water Source approval, Written Order or as per the conditions of your Operating Permit.**

- no additional testing
- additional testing listed below:

**Additional testing:**

| Description of parameter & reason for sampling | Health parameter or non-health parameter | Corrective action necessary (y/n?) | Corrective Action Taken |
|------------------------------------------------|------------------------------------------|------------------------------------|-------------------------|
| Parasite Sampling (crypto/giardia)             |                                          |                                    |                         |
| THMs/HAA5                                      |                                          |                                    |                         |
|                                                |                                          |                                    |                         |
|                                                |                                          |                                    |                         |

**4. Water Quality Complaints:**

During the course of the year, the water system:

- did not receive water quality complaints (ie. taste, odour, colour, etc.)
- received water quality complaints and are listed below:

**Water Quality Complaints:**

| Date | Water Quality Complaint | Corrective action taken |
|------|-------------------------|-------------------------|
|      |                         |                         |
|      |                         |                         |
|      |                         |                         |
|      |                         |                         |
|      |                         |                         |

**5. Adverse results: total number of adverse results during this reporting period for insufficient water supply, malfunction of disinfection equipment or elevated turbidity:**



- No adverse results
- Adverse results listed below

| Incident Date | Corrective Action                                      | Corrected by |
|---------------|--------------------------------------------------------|--------------|
| 2018          | Water main breaks South Oyster/Bazan/Sea Vista/Dogwood | 2018         |

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**6. Description of the system:**

Sources of raw water:

- Groundwater
- Surface water: Stocking Lake
- Other (specify): \_\_\_\_\_

Does the drinking water system have disinfection?  Yes  No

Disinfection methods (check applicable boxes)

- Chlorination
- Ultraviolet light
- Ozonation
- Other (specify) \_\_\_\_\_

Does the drinking water system have treatment?  Yes  No

Treatment type (check applicable boxes):

- Particulate cartridge filters
- Membrane filtration
- Carbon filter
- Sand filtration
- Reverse Osmosis
- Other (specify) \_\_\_\_\_

**7. Major expenses incurred during the period covered by the report:**

**To purchase or install required equipment:** \_\_\_\_\_

**To repair equipment:** UV sensors repaired.

**To replace equipment:** \_\_\_\_\_

**To complete annual maintenance of system:** System flushing, hydrant maintenance, UV blubs replaced, PRV maintenance.

**To complete specialist report (specify):** \_\_\_\_\_

**8. Further communication with users:**

a. Indicate how you notified system users that your annual report is available, and is free of charge:

- hand delivered
- public access/notice via web
- public access/notice via government office
- public access/notice via newspaper
- public access/notice via bill stuffer
- public access/notice via other method ( specify)



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b. Improvements or remedial actions required by the Drinking Water Officer

- no action required
- Drinking Water Officer inspection report attached to report
- actions required by Drinking Water Officer listed below:

**Improvements/Remedial Actions:**

| Required Action | Completion Date |
|-----------------|-----------------|
|                 |                 |
|                 |                 |
|                 |                 |

c. Future water system improvements:

- no improvements planned
- improvements listed below:

**Future Improvements:**

| Future Plans                                          | Planned Completion Date |
|-------------------------------------------------------|-------------------------|
| Groundwater source exploration                        | 2018                    |
| Water main upgrades (Dogwood/Chemoy and Chemainus Rd) | 2018                    |
| Stocking Lake Dam investigation                       | 2018                    |
| Design for system PRV installations                   | 2018                    |

d. Emergency Response Plan can be accessed by:

- posting on web
- posting at nearest government office
- contacting water system owner
- other (specify): CVRD Engineering Services, 175 Ingram Street, Duncan,  
BC



## SALTAIR WATER SYSTEM

### Facility Location:

10631 South Watts Road  
Saltair

### Facility Information:

Facility Type: 301-10000 DWT

### Facility Sampling History:

| Location                                                     | Date        | Total Coliform | E.Coli |
|--------------------------------------------------------------|-------------|----------------|--------|
| 11185 Baker Road, 11185 Baker Road                           | 19-Dec-2017 | L1             | L1     |
| 3254 Dogwood Road - S-2, 3254 Dogwood Road, Saltair, B.C.    | 19-Dec-2017 | L1             | L1     |
| 10311 Old Victoria Road S-6 , 10311 Old Victoria Rd, Saltair | 12-Dec-2017 | L1             | L1     |
| 10879 Chemainus Road, S-8, 10879 Chemainus Rd.               | 12-Dec-2017 | L1             | L1     |
| 3771 Gardner Road - S-5, 3771 Gardner Road Saltair           | 5-Dec-2017  | L1             | L1     |
| AUDIT - SALTAIR WATER SYSTEM, any available                  | 30-Nov-2017 | L1             | L1     |
| 10980 Westdowne S-7, 10980 Westdowne Rd. Saltair             | 27-Nov-2017 | L1             | L1     |
| 3771 Gardner Road - S-5, 3771 Gardner Road Saltair           | 27-Nov-2017 | L1             | L1     |
| 10311 Old Victoria Road S-6 , 10311 Old Victoria Rd, Saltair | 21-Nov-2017 | L1             | L1     |
| 10879 Chemainus Road, S-8, 10879 Chemainus Rd.               | 15-Nov-2017 | A              |        |
| 3254 Dogwood Road - S-2, 3254 Dogwood Road, Saltair, B.C.    | 15-Nov-2017 | A              |        |
| 10651 Olsen Road S-4, 10651 Olsen Road Saltair               | 7-Nov-2017  | L1             | L1     |
| 3254 Dogwood Road - S-2, 3254 Dogwood Road, Saltair, B.C.    | 25-Oct-2017 | L1             | L1     |
| 10311 Old Victoria Road S-6 , 10311 Old Victoria Rd, Saltair | 17-Oct-2017 | L1             | L1     |
| 10879 Chemainus Road, S-8, 10879 Chemainus Rd.               | 17-Oct-2017 | L1             | L1     |
| 3771 Gardner Road - S-5, 3771 Gardner Road Saltair           | 11-Oct-2017 | L1             | L1     |



|                                                              |             |    |    |
|--------------------------------------------------------------|-------------|----|----|
| 10651 Olsen Road S-4, 10651 Olsen Road Saltair               | 2-Oct-2017  | L1 | L1 |
| 10980 Westdowne S-7, 10980 Westdowne Rd. Saltair             | 2-Oct-2017  | L1 | L1 |
| 10879 Chemainus Road, S-8, 10879 Chemainus Rd.               | 26-Sep-2017 | L1 | L1 |
| 10311 Old Victoria Road S-6 , 10311 Old Victoria Rd, Saltair | 19-Sep-2017 | L1 | L1 |
| 3254 Dogwood Road - S-2, 3254 Dogwood Road, Saltair, B.C.    | 12-Sep-2017 | L1 | L1 |
| 3771 Gardner Road - S-5, 3771 Gardner Road Saltair           | 12-Sep-2017 | L1 | L1 |
| 11185 Baker Road, 11185 Baker Road                           | 6-Sep-2017  | L1 | L1 |
| 10651 Olsen Road S-4, 10651 Olsen Road Saltair               | 28-Aug-2017 | L1 | L1 |
| 10311 Old Victoria Road S-6 , 10311 Old Victoria Rd, Saltair | 21-Aug-2017 | L1 | L1 |
| 3254 Dogwood Road - S-2, 3254 Dogwood Road, Saltair, B.C.    | 21-Aug-2017 | L1 | L1 |
| 10879 Chemainus Road, S-8, 10879 Chemainus Rd.               | 18-Aug-2017 | L1 | L1 |
| 10980 Westdowne S-7, 10980 Westdowne Rd. Saltair             | 15-Aug-2017 | L1 | L1 |
| 3771 Gardner Road - S-5, 3771 Gardner Road Saltair           | 8-Aug-2017  | L1 | L1 |
| 10651 Olsen Road S-4, 10651 Olsen Road Saltair               | 31-Jul-2017 | L1 | L1 |
| 11185 Baker Road, 11185 Baker Road                           | 31-Jul-2017 | L1 | L1 |
| 10879 Chemainus Road, S-8, 10879 Chemainus Rd.               | 24-Jul-2017 | L1 | L1 |
| 3254 Dogwood Road - S-2, 3254 Dogwood Road, Saltair, B.C.    | 24-Jul-2017 | L1 | L1 |
| 10980 Westdowne S-7, 10980 Westdowne Rd. Saltair             | 18-Jul-2017 | L1 | L1 |
| 11185 Baker Road, 11185 Baker Road                           | 18-Jul-2017 | L1 | L1 |
| 3254 Dogwood Road - S-2, 3254 Dogwood Road, Saltair, B.C.    | 11-Jul-2017 | L1 | L1 |
| 3771 Gardner Road - S-5, 3771 Gardner Road Saltair           | 11-Jul-2017 | L1 | L1 |
| 10311 Old Victoria Road S-6 , 10311 Old Victoria Rd, Saltair | 5-Jul-2017  | L1 | L1 |
| 10651 Olsen Road S-4, 10651 Olsen Road Saltair               | 5-Jul-2017  | L1 | L1 |
| 10651 Olsen Road S-4, 10651 Olsen Road Saltair               | 26-Jun-2017 | L1 | L1 |
| 10980 Westdowne S-7, 10980 Westdowne Rd. Saltair             | 26-Jun-2017 | L1 | L1 |
| 10311 Old Victoria Road S-6 , 10311 Old Victoria Rd, Saltair | 19-Jun-2017 | L1 | L1 |
| 3254 Dogwood Road - S-2, 3254 Dogwood Road, Saltair, B.C.    | 12-Jun-2017 | L1 | L1 |
| 3771 Gardner Road - S-5, 3771 Gardner Road Saltair           | 12-Jun-2017 | L1 | L1 |
| 10879 Chemainus Road, S-8, 10879 Chemainus Rd.               | 6-Jun-2017  | L1 | L1 |
| 11185 Baker Road, 11185 Baker Road                           | 6-Jun-2017  | L1 | L1 |



|                                                              |             |    |    |
|--------------------------------------------------------------|-------------|----|----|
| 10311 Old Victoria Road S-6 , 10311 Old Victoria Rd, Saltair | 30-May-2017 | L1 | L1 |
| 3254 Dogwood Road - S-2, 3254 Dogwood Road, Saltair, B.C.    | 30-May-2017 | L1 | L1 |
| 10980 Westdowne S-7, 10980 Westdowne Rd. Saltair             | 23-May-2017 | L1 | L1 |
| 3254 Dogwood Road - S-2, 3254 Dogwood Road, Saltair, B.C.    | 23-May-2017 | L1 | L1 |
| 10651 Olsen Road S-4, 10651 Olsen Road Saltair               | 16-May-2017 | L1 | L1 |
| 10879 Chemainus Road, S-8, 10879 Chemainus Rd.               | 16-May-2017 | L1 | L1 |
| 10651 Olsen Road S-4, 10651 Olsen Road Saltair               | 8-May-2017  | L1 | L1 |
| 3771 Gardner Road - S-5, 3771 Gardner Road Saltair           | 8-May-2017  | L1 | L1 |
| 11185 Baker Road, 11185 Baker Road                           | 1-May-2017  | L1 | L1 |
| 10980 Westdowne S-7, 10980 Westdowne Rd. Saltair             | 25-Apr-2017 | L1 | L1 |
| 10311 Old Victoria Road S-6 , 10311 Old Victoria Rd, Saltair | 24-Apr-2017 | L1 | L1 |
| 11185 Baker Road, 11185 Baker Road                           | 18-Apr-2017 | L1 | L1 |
| 3254 Dogwood Road - S-2, 3254 Dogwood Road, Saltair, B.C.    | 18-Apr-2017 | L1 | L1 |
| 10879 Chemainus Road, S-8, 10879 Chemainus Rd.               | 10-Apr-2017 | L1 | L1 |
| 3771 Gardner Road - S-5, 3771 Gardner Road Saltair           | 3-Apr-2017  | L1 | L1 |
| 10651 Olsen Road S-4, 10651 Olsen Road Saltair               | 28-Mar-2017 | L1 | L1 |
| 11185 Baker Road, 11185 Baker Road                           | 20-Mar-2017 | L1 | L1 |
| 10311 Old Victoria Road S-6 , 10311 Old Victoria Rd, Saltair | 13-Mar-2017 | L1 | L1 |
| 10879 Chemainus Road, S-8, 10879 Chemainus Rd.               | 13-Mar-2017 | L1 | L1 |
| 10980 Westdowne S-7, 10980 Westdowne Rd. Saltair             | 6-Mar-2017  | L1 | L1 |
| 3771 Gardner Road - S-5, 3771 Gardner Road Saltair           | 6-Mar-2017  | L1 | L1 |
| 10651 Olsen Road S-4, 10651 Olsen Road Saltair               | 27-Feb-2017 | L1 | L1 |
| 3254 Dogwood Road - S-2, 3254 Dogwood Road, Saltair, B.C.    | 27-Feb-2017 | L1 | L1 |
| 3254 Dogwood Road - S-2, 3254 Dogwood Road, Saltair, B.C.    | 21-Feb-2017 | L1 | L1 |
| 10879 Chemainus Road, S-8, 10879 Chemainus Rd.               | 14-Feb-2017 | L1 | L1 |
| 3771 Gardner Road - S-5, 3771 Gardner Road Saltair           | 14-Feb-2017 | L1 | L1 |
| 11185 Baker Road, 11185 Baker Road                           | 7-Feb-2017  | L1 | L1 |
| 10311 Old Victoria Road S-6 , 10311 Old Victoria Rd, Saltair | 31-Jan-2017 | L1 | L1 |
| 10651 Olsen Road S-4, 10651 Olsen Road Saltair               | 31-Jan-2017 | L1 | L1 |
| 10651 Olsen Road S-4, 10651 Olsen Road Saltair               | 23-Jan-2017 | L1 | L1 |



|                                                              |             |    |    |
|--------------------------------------------------------------|-------------|----|----|
| 3254 Dogwood Road - S-2, 3254 Dogwood Road, Saltair, B.C.    | 23-Jan-2017 | L1 | L1 |
| 10879 Chemainus Road, S-8, 10879 Chemainus Rd.               | 17-Jan-2017 | L1 | L1 |
| 3771 Gardner Road - S-5, 3771 Gardner Road Saltair           | 17-Jan-2017 | L1 | L1 |
| 10980 Westdowne S-7, 10980 Westdowne Rd. Saltair             | 10-Jan-2017 | L1 | L1 |
| 11185 Baker Road, 11185 Baker Road                           | 10-Jan-2017 | L1 | L1 |
| 10311 Old Victoria Road S-6 , 10311 Old Victoria Rd, Saltair | 3-Jan-2017  | L1 | L1 |
| 3771 Gardner Road - S-5, 3771 Gardner Road Saltair           | 3-Jan-2017  | L1 | L1 |



|                                           |                |                            |
|-------------------------------------------|----------------|----------------------------|
| <b>Alkalinity (bicarbonate, as CaCO3)</b> |                | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                          | 10.6 mg/L      | S8-10879 Chemainus RD      |
| <b>Alkalinity (carbonate, as CaCO3)</b>   |                | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                          | < 1.0 mg/L     | S8-10879 Chemainus RD      |
| <b>Alkalinity (hydroxide, as CaCO3)</b>   |                | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                          | < 1.0 mg/L     | S8-10879 Chemainus RD      |
| <b>Alkalinity (total, as CaCO3)</b>       |                | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                          | 10.6 mg/L      | S8-10879 Chemainus RD      |
| <b>Aluminum (total)</b>                   |                | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                          | 0.028 mg/L     | S8-10879 Chemainus RD      |
| <b>Ammonia (total, as N)</b>              |                | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                          | < 0.0050 mg/L  | S8-10879 Chemainus RD      |
| <b>Antimony (total)</b>                   |                | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                          | < 0.00050 mg/L | S8-10879 Chemainus RD      |
| <b>Arsenic (total)</b>                    |                | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                          | 0.00014 mg/L   | S8-10879 Chemainus RD      |
| <b>Background Bacteria</b>                |                | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                          | < 1 CFU/100ml  | S8-10879 Chemainus RD      |
| <b>Barium (total)</b>                     |                | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                          | < 0.010 mg/L   | S8-10879 Chemainus RD      |
| <b>Beryllium (total)</b>                  |                | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                          | < 0.0050 mg/L  | S8-10879 Chemainus RD      |

| <b>Bismuth (total)</b>        |                | <b>Sampling Point Name</b> |
|-------------------------------|----------------|----------------------------|
| 11/20/2017 14:35              | < 0.20 mg/L    | S8-10879 Chemainus RD      |
| <b>Boron (total)</b>          |                | <b>Sampling Point Name</b> |
| 11/20/2017 14:35              | < 0.10 mg/L    | S8-10879 Chemainus RD      |
| <b>Bromide</b>                |                | <b>Sampling Point Name</b> |
| 11/20/2017 14:35              | < 0.050 mg/L   | S8-10879 Chemainus RD      |
| <b>Bromochloroacetic acid</b> |                | <b>Sampling Point Name</b> |
| 02/22/2017 11:48              | 0.0010 mg/L    | S8-10879 Chemainus RD      |
| 05/04/2017 13:55              | 0.0029 mg/L    | S8-10879 Chemainus RD      |
| 08/16/2017 12:30              | 0.0017 mg/L    | S8-10879 Chemainus RD      |
| 11/20/2017 14:35              | < 0.0010 mg/L  | S8-10879 Chemainus RD      |
| <b>Bromodichloromethane</b>   |                | <b>Sampling Point Name</b> |
| 02/22/2017 11:48              | 0.0013 mg/L    | S8-10879 Chemainus RD      |
| 05/04/2017 13:55              | 0.0016 mg/L    | S8-10879 Chemainus RD      |
| 08/16/2017 12:30              | 0.0026 mg/L    | S8-10879 Chemainus RD      |
| 11/20/2017 14:35              | 0.0019 mg/L    | S8-10879 Chemainus RD      |
| <b>Bromoform</b>              |                | <b>Sampling Point Name</b> |
| 02/22/2017 11:48              | < 0.0010 mg/L  | S8-10879 Chemainus RD      |
| 05/04/2017 13:55              | < 0.0010 mg/L  | S8-10879 Chemainus RD      |
| 08/16/2017 12:30              | < 0.0010 mg/L  | S8-10879 Chemainus RD      |
| 11/20/2017 14:35              | < 0.0010 mg/L  | S8-10879 Chemainus RD      |
| <b>Cadmium (total)</b>        |                | <b>Sampling Point Name</b> |
| 11/20/2017 14:35              | < 0.00020 mg/L | S8-10879 Chemainus RD      |

| <b>Calcium (total)</b>    |               | <b>Sampling Point Name</b> |
|---------------------------|---------------|----------------------------|
| 11/20/2017 14:35          | 3.34 mg/L     | S8-10879 Chemainus RD      |
| <b>Chloride</b>           |               | <b>Sampling Point Name</b> |
| 11/20/2017 14:35          | 4.52 mg/L     | S8-10879 Chemainus RD      |
| <b>Chloroform</b>         |               | <b>Sampling Point Name</b> |
| 02/22/2017 11:48          | 0.0923 mg/L   | S8-10879 Chemainus RD      |
| 05/04/2017 13:55          | 0.0940 mg/L   | S8-10879 Chemainus RD      |
| 08/16/2017 12:30          | 0.0946 mg/L   | S8-10879 Chemainus RD      |
| 11/20/2017 14:35          | 0.0805 mg/L   | S8-10879 Chemainus RD      |
| <b>Chromium (total)</b>   |               | <b>Sampling Point Name</b> |
| 11/20/2017 14:35          | < 0.0020 mg/L | S8-10879 Chemainus RD      |
| <b>Cobalt (total)</b>     |               | <b>Sampling Point Name</b> |
| 11/20/2017 14:35          | < 0.010 mg/L  | S8-10879 Chemainus RD      |
| <b>Colour</b>             |               | <b>Sampling Point Name</b> |
| 11/20/2017 14:35          | < 5.0 TCU     | S8-10879 Chemainus RD      |
| <b>Conductivity</b>       |               | <b>Sampling Point Name</b> |
| 11/20/2017 14:35          | 40.6 uS/cm    | S8-10879 Chemainus RD      |
| <b>Copper (total)</b>     |               | <b>Sampling Point Name</b> |
| 11/20/2017 14:35          | 0.0106 mg/L   | S8-10879 Chemainus RD      |
| <b>Dibromoacetic acid</b> |               | <b>Sampling Point Name</b> |
| 02/22/2017 11:48          | < 0.0010 mg/L | S8-10879 Chemainus RD      |
| 05/04/2017 13:55          | < 0.0010 mg/L | S8-10879 Chemainus RD      |
| 08/16/2017 12:30          | < 0.0010 mg/L | S8-10879 Chemainus RD      |

| <b>Dibromoacetic acid</b>                  |                  | <b>Sampling Point Name</b> |
|--------------------------------------------|------------------|----------------------------|
| 11/20/2017 14:35                           | < 0.0010 mg/L    | S8-10879 Chemainus RD      |
| <b>Dibromochloromethane</b>                |                  | <b>Sampling Point Name</b> |
| 02/22/2017 11:48                           | < 0.0010 mg/L    | S8-10879 Chemainus RD      |
| 05/04/2017 13:55                           | < 0.0010 mg/L    | S8-10879 Chemainus RD      |
| 08/16/2017 12:30                           | < 0.0010 mg/L    | S8-10879 Chemainus RD      |
| 11/20/2017 14:35                           | < 0.0010 mg/L    | S8-10879 Chemainus RD      |
| <b>Dichloroacetic acid</b>                 |                  | <b>Sampling Point Name</b> |
| 02/22/2017 11:48                           | 0.0336 mg/L      | S8-10879 Chemainus RD      |
| 05/04/2017 13:55                           | 0.0425 mg/L      | S8-10879 Chemainus RD      |
| 08/16/2017 12:30                           | 0.0378 mg/L      | S8-10879 Chemainus RD      |
| 11/20/2017 14:35                           | 0.0281 mg/L      | S8-10879 Chemainus RD      |
| <b>Escherichia coli / E. coli (counts)</b> |                  | <b>Sampling Point Name</b> |
| 07/19/2017 09:20                           | 0 counts/100ml   | S5-3771 Gardner Rd         |
| 11/20/2017 14:35                           | < 1 counts/100ml | S8-10879 Chemainus RD      |
| <b>Fecal Coliforms (counts)</b>            |                  | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                           | < 1 counts/100ml | S8-10879 Chemainus RD      |
| <b>Fluoride</b>                            |                  | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                           | < 0.020 mg/L     | S8-10879 Chemainus RD      |
| <b>Haloacetic acids 5 / HAA5</b>           |                  | <b>Sampling Point Name</b> |
| * 02/22/2017 11:48                         | 0.0856 mg/L      | S8-10879 Chemainus RD      |
| * 05/04/2017 13:55                         | 0.121 mg/L       | S8-10879 Chemainus RD      |
| * 08/16/2017 12:30                         | 0.102 mg/L       | S8-10879 Chemainus RD      |
| * 11/20/2017 14:35                         | 0.0811 mg/L      | S8-10879 Chemainus RD      |

|                                        |                 |                            |
|----------------------------------------|-----------------|----------------------------|
| <b>Hardness (total, as CaCO3)</b>      |                 | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                       | 10.1 mg/L       | S8-10879 Chemainus RD      |
| <b>Heterotrophic Plate Count / HPC</b> |                 | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                       | < 100 CFU/100ml | S8-10879 Chemainus RD      |
| <b>Iron (total)</b>                    |                 | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                       | 0.051 mg/L      | S8-10879 Chemainus RD      |
| <b>Iron Bacteria (MPN / PA)</b>        |                 | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                       | SC              | S8-10879 Chemainus RD      |
| <b>Langelier Index</b>                 |                 | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                       | -2.7            | S8-10879 Chemainus RD      |
| <b>Langelier Index (@ 20 C)</b>        |                 | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                       | 9.9             | S8-10879 Chemainus RD      |
| <b>Lead (total)</b>                    |                 | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                       | 0.00070 mg/L    | S8-10879 Chemainus RD      |
| <b>Lithium (total)</b>                 |                 | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                       | < 0.010 mg/L    | S8-10879 Chemainus RD      |
| <b>Magnesium (total)</b>               |                 | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                       | 0.43 mg/L       | S8-10879 Chemainus RD      |
| <b>Manganese (total)</b>               |                 | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                       | 0.0053 mg/L     | S8-10879 Chemainus RD      |
| <b>Mercury (total)</b>                 |                 | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                       | < 0.00020 mg/L  | S8-10879 Chemainus RD      |
| <b>Molybdenum (total)</b>              |                 | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                       | < 0.030 mg/L    | S8-10879 Chemainus RD      |

| <b>Monobromoacetic acid</b>     |               | <b>Sampling Point Name</b> |
|---------------------------------|---------------|----------------------------|
| 02/22/2017 11:48                | < 0.0010 mg/L | S8-10879 Chemainus RD      |
| 05/04/2017 13:55                | < 0.0010 mg/L | S8-10879 Chemainus RD      |
| 08/16/2017 12:30                | < 0.0010 mg/L | S8-10879 Chemainus RD      |
| 11/20/2017 14:35                | < 0.0010 mg/L | S8-10879 Chemainus RD      |
| <b>Monochloroacetic acid</b>    |               | <b>Sampling Point Name</b> |
| 02/22/2017 11:48                | < 0.0050 mg/L | S8-10879 Chemainus RD      |
| 05/04/2017 13:55                | < 0.0050 mg/L | S8-10879 Chemainus RD      |
| 08/16/2017 12:30                | < 0.0050 mg/L | S8-10879 Chemainus RD      |
| 11/20/2017 14:35                | < 0.0050 mg/L | S8-10879 Chemainus RD      |
| <b>Nickel (total)</b>           |               | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                | < 0.050 mg/L  | S8-10879 Chemainus RD      |
| <b>Nitrate (as N)</b>           |               | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                | 0.0117 mg/L   | S8-10879 Chemainus RD      |
| <b>Nitrate + Nitrite (as N)</b> |               | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                | 0.0117 mg/L   | S8-10879 Chemainus RD      |
| <b>Nitrite (as N)</b>           |               | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                | < 0.0010 mg/L | S8-10879 Chemainus RD      |
| <b>pH</b>                       |               | <b>Sampling Point Name</b> |
| 02/22/2017 11:48                | 6.94          | S8-10879 Chemainus RD      |
| 11/20/2017 14:35                | 7.23          | S8-10879 Chemainus RD      |
| 11/20/2017 14:35                | 7.51          | S8-10879 Chemainus RD      |

|                                  |               |                            |
|----------------------------------|---------------|----------------------------|
| <b>Phosphorus (total)</b>        |               | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                 | < 0.30 mg/L   | S8-10879 Chemainus RD      |
| <b>Potassium (total)</b>         |               | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                 | 0.25 mg/L     | S8-10879 Chemainus RD      |
| <b>Selenium (total)</b>          |               | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                 | < 0.0010 mg/L | S8-10879 Chemainus RD      |
| <b>Silicon (total, as Si)</b>    |               | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                 | 1.80 mg/L     | S8-10879 Chemainus RD      |
| <b>Silver (total)</b>            |               | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                 | < 0.010 mg/L  | S8-10879 Chemainus RD      |
| <b>Sodium (total)</b>            |               | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                 | 3.7 mg/L      | S8-10879 Chemainus RD      |
| <b>Strontium (total)</b>         |               | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                 | 0.0108 mg/L   | S8-10879 Chemainus RD      |
| <b>Sulfate Reducing Bacteria</b> |               | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                 | SC            | S8-10879 Chemainus RD      |
| <b>Sulphate</b>                  |               | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                 | 1.14 mg/L     | S8-10879 Chemainus RD      |
| <b>Sulphide (total, as S)</b>    |               | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                 | < 0.018 mg/L  | S8-10879 Chemainus RD      |
| <b>Tannins and Lignins</b>       |               | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                 | 0.17 mg/L     | S8-10879 Chemainus RD      |
| <b>Thallium (total)</b>          |               | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                 | < 0.20 mg/L   | S8-10879 Chemainus RD      |

| <b>Tin (total)</b>                   |                         | <b>Sampling Point Name</b> |
|--------------------------------------|-------------------------|----------------------------|
| 11/20/2017 14:35                     | < 0.030 mg/L            | S8-10879 Chemainus RD      |
| <b>Titanium (total)</b>              |                         | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                     | < 0.010 mg/L            | S8-10879 Chemainus RD      |
| <b>Total Coliforms (counts)</b>      |                         | <b>Sampling Point Name</b> |
| <b>* 07/19/2017</b>                  | <b>1.0 counts/100ml</b> | <b>S5-3771 Gardner Rd</b>  |
| <b>09:20</b>                         |                         |                            |
| 11/20/2017 14:35                     | < 1 counts/100ml        | S8-10879 Chemainus RD      |
| <b>Total Dissolved Solids / TDS</b>  |                         | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                     | 22 mg/L                 | S8-10879 Chemainus RD      |
| <b>Total Kjeldahl Nitrogen / TKN</b> |                         | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                     | 0.071 mg/L              | S8-10879 Chemainus RD      |
| <b>Total Organic Carbon / TOC</b>    |                         | <b>Sampling Point Name</b> |
| 11/20/2017 14:35                     | 2.81 mg/L               | S8-10879 Chemainus RD      |
| <b>Total Trihalomethanes / TTHM</b>  |                         | <b>Sampling Point Name</b> |
| 02/22/2017 11:48                     | 0.0937 mg/L             | S8-10879 Chemainus RD      |
| 05/04/2017 13:55                     | 0.0956 mg/L             | S8-10879 Chemainus RD      |
| 08/16/2017 12:30                     | 0.0972 mg/L             | S8-10879 Chemainus RD      |
| 11/20/2017 14:35                     | 0.0825 mg/L             | S8-10879 Chemainus RD      |
| <b>Trichloroacetic acid</b>          |                         | <b>Sampling Point Name</b> |
| 02/22/2017 11:48                     | 0.0519 mg/L             | S8-10879 Chemainus RD      |
| 05/04/2017 13:55                     | 0.0539 mg/L             | S8-10879 Chemainus RD      |
| 08/16/2017 12:30                     | 0.0640 mg/L             | S8-10879 Chemainus RD      |
| 11/20/2017 14:35                     | 0.0530 mg/L             | S8-10879 Chemainus RD      |



| <b>Turbidity</b>        |                | <b>Sampling Point Name</b> |
|-------------------------|----------------|----------------------------|
| 11/20/2017 14:35        | 0.43 NTU       | S8-10879 Chemainus RD      |
| <b>Uranium (total)</b>  |                | <b>Sampling Point Name</b> |
| 11/20/2017 14:35        | < 0.00010 mg/L | S8-10879 Chemainus RD      |
| <b>Vanadium (total)</b> |                | <b>Sampling Point Name</b> |
| 11/20/2017 14:35        | < 0.030 mg/L   | S8-10879 Chemainus RD      |
| <b>Zinc (total)</b>     |                | <b>Sampling Point Name</b> |
| 11/20/2017 14:35        | < 0.0090 mg/L  | S8-10879 Chemainus RD      |

**Result Legend:**

P=present, A=absent, PR=presumptive, ND=non-detect, U=non-detect, OR=over-range, OG=overgrown, Y=yes, N=no, TNTC=too numerous to count, NR=no result, NT=not tested, IG=ignore, ER=external report, SC=see comment

- < means less than lower detection limit shown
- > means greater than upper detection limit shown
- « means detected & less than number shown
- » means detected & greater than number shown

\* Indicates Criteria is exceeded

