



Shellwood Water System Annual Report

Reporting Period:	January 1, 2017 - December 31, 2017
Operating Permit Number:	JBAL-94MUXE
Drinking Water System Owner:	Cowichan Valley Regional District
Drinking Water System Contact:	
Name:	<u>Brian Dennison</u>
Phone No.:	<u>250-746-2530</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

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:

Parameters above the Guidelines:

Parameter	Result	Max. Acceptable Concentration	Aesthetic Objective	Treatment/Corrective Action



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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

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



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6. Description of the system:

Sources of raw water:

- Groundwater
 Surface water
 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: _____

To replace equipment: _____

To complete annual maintenance of system (*system flushing, replacement of carbon filters, etc.*): Flushed water mains, hydrant maintenance, genset serviced.

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
Remote access (SCADA)	2018
Rehabilitate well #1	2018

d. Emergency Response Plan can be accessed by:

- posting on web
- posting at nearest government office
- contacting water system owner
- other (specify) 175 Ingram Street.



SHELLWOOD WATER SYSTEM

Facility Location:

4300 Entrance Avenue
Ladysmith

Facility Information:

Facility Type: 15-300 DWC

Facility Sampling History:

Location	Date	Total Coliform	E.Coli
280 Shell Beach Road, 4280 Shell Beach Road	12-Dec-2017	L1	L1
4301 Entrance Ave, 4301 Entrance Ave	5-Dec-2017	L1	L1
Shellwood Water System AUDIT, tap	30-Nov-2017	L1	L1
4301 Entrance Ave, 4301 Entrance Ave	27-Nov-2017	L1	L1
4280 Shell Beach Road, 4280 Shell Beach Road	21-Nov-2017	L1	L1
4301 Entrance Ave, 4301 Entrance Ave	15-Nov-2017	A	
4280 Shell Beach Road, 4280 Shell Beach Road	7-Nov-2017	L1	L1
4280 Shell Beach Road, 4280 Shell Beach Road	31-Oct-2017	L1	L1
4301 Entrance Ave, 4301 Entrance Ave	25-Oct-2017	L1	L1
4280 Shell Beach Road, 4280 Shell Beach Road	17-Oct-2017	L1	L1
4301 Entrance Ave, 4301 Entrance Ave	11-Oct-2017	L1	L1
4280 Shell Beach Road, 4280 Shell Beach Road	2-Oct-2017	L1	L1
4301 Entrance Ave, 4301 Entrance Ave	26-Sep-2017	L1	L1
4280 Shell Beach Road, 4280 Shell Beach Road	19-Sep-2017	L1	L1
4301 Entrance Ave, 4301 Entrance Ave	12-Sep-2017	L1	L1
4280 Shell Beach Road, 4280 Shell Beach Road	6-Sep-2017	L1	L1



4301 Entrance Ave, 4301 Entrance Ave	28-Aug-2017	L1	L1
4280 Shell Beach Road, 4280 Shell Beach Road	21-Aug-2017	L1	L1
4301 Entrance Ave, 4301 Entrance Ave	16-Aug-2017	L1	L1
4280 Shell Beach Road, 4280 Shell Beach Road	8-Aug-2017	L1	L1
4301 Entrance Ave, 4301 Entrance Ave	31-Jul-2017	L1	L1
4280 Shell Beach Road, 4280 Shell Beach Road	24-Jul-2017	L1	L1
4301 Entrance Ave, 4301 Entrance Ave	18-Jul-2017	L1	L1
4280 Shell Beach Road, 4280 Shell Beach Road	11-Jul-2017	L1	L1
4301 Entrance Ave, 4301 Entrance Ave	5-Jul-2017	L1	L1
4301 Entrance Ave, 4301 Entrance Ave	26-Jun-2017	L1	L1
4301 Entrance Ave, 4301 Entrance Ave	19-Jun-2017	L1	L1
4280 Shell Beach Road, 4280 Shell Beach Road	12-Jun-2017	L1	L1
4280 Shell Beach Road, 4280 Shell Beach Road	6-Jun-2017	L1	L1
4280 Shell Beach Road, 4280 Shell Beach Road	30-May-2017	L1	L1
4301 Entrance Ave, 4301 Entrance Ave	23-May-2017	L1	L1
4301 Entrance Ave, 4301 Entrance Ave	8-May-2017	L1	L1
4280 Shell Beach Road, 4280 Shell Beach Road	1-May-2017	L1	L1
4301 Entrance Ave, 4301 Entrance Ave	18-Apr-2017	L1	L1
4280 Shell Beach Road, 4280 Shell Beach Road	10-Apr-2017	L1	L1
4301 Entrance Ave, 4301 Entrance Ave	3-Apr-2017	L1	L1
4280 Shell Beach Road, 4280 Shell Beach Road	28-Mar-2017	L1	L1
4301 Entrance Ave, 4301 Entrance Ave	20-Mar-2017	L1	L1
4280 Shell Beach Road, 4280 Shell Beach Road	13-Mar-2017	L1	L1
4301 Entrance Ave, 4301 Entrance Ave	6-Mar-2017	L1	L1
4280 Shell Beach Road, 4280 Shell Beach Road	27-Feb-2017	L1	L1
4301 Entrance Ave, 4301 Entrance Ave	21-Feb-2017	L1	L1
4280 Shell Beach Road, 4280 Shell Beach Road	14-Feb-2017	L1	L1
4301 Entrance Ave, 4301 Entrance Ave	7-Feb-2017	L1	L1
4280 Shell Beach Road, 4280 Shell Beach Road	31-Jan-2017	L1	L1
4301 Entrance Ave, 4301 Entrance Ave	23-Jan-2017	L1	L1



4280 Shell Beach Road, 4280 Shell Beach Road	17-Jan-2017	L1	L1
4301 Entrance Ave, 4301 Entrance Ave	10-Jan-2017	L1	L1
4280 Shell Beach Road, 4280 Shell Beach Road	3-Jan-2017	L1	L1

Alkalinity (bicarbonate, as CaCO3)		Sampling Point Name
02/10/2016 12:00	144 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
Alkalinity (carbonate, as CaCO3)		Sampling Point Name
02/10/2016 12:00	< 1.0 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
Alkalinity (hydroxide, as CaCO3)		Sampling Point Name
02/10/2016 12:00	< 1.0 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
Alkalinity (total, as CaCO3)		Sampling Point Name
02/10/2016 12:00	144 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	143 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	146 mg/L	S5 - well #3 lot 11 Rock Dr
Aluminum (total)		Sampling Point Name
02/10/2016 12:00	0.019 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	0.053 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
* 05/05/2016 15:20	0.587 mg/L	S5 - well #3 lot 11 Rock Dr
Ammonia (total, as N)		Sampling Point Name
02/10/2016 12:00	0.0536 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	0.0120 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	0.0180 mg/L	S5 - well #3 lot 11 Rock Dr
Antimony (total)		Sampling Point Name
02/10/2016 12:00	< 0.00050 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 0.00050 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	< 0.00050 mg/L	S5 - well #3 lot 11 Rock Dr

Arsenic (total)		Sampling Point Name
02/10/2016 12:00	0.00056 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	0.00028 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	0.00040 mg/L	S5 - well #3 lot 11 Rock Dr
Background Bacteria		Sampling Point Name
* 02/10/2016 12:00	> 200 CFU/100mL	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 1 CFU/100mL	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
* 05/05/2016 15:20	> 200 CFU/100mL	S5 - well #3 lot 11 Rock Dr
Barium (total)		Sampling Point Name
02/10/2016 12:00	< 0.010 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 0.010 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	0.019 mg/L	S5 - well #3 lot 11 Rock Dr
Beryllium (total)		Sampling Point Name
02/10/2016 12:00	< 0.0050 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 0.0050 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	< 0.0050 mg/L	S5 - well #3 lot 11 Rock Dr
Bismuth (total)		Sampling Point Name
02/10/2016 12:00	< 0.20 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 0.20 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	< 0.20 mg/L	S5 - well #3 lot 11 Rock Dr
Boron (total)		Sampling Point Name
02/10/2016 12:00	< 0.10 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	0.24 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.

Boron (total)		Sampling Point Name
05/05/2016 15:20	0.35 mg/L	S5 - well #3 lot 11 Rock Dr
Bromide		Sampling Point Name
02/10/2016 12:00	< 0.050 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 0.050 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	< 0.050 mg/L	S5 - well #3 lot 11 Rock Dr
Cadmium (total)		Sampling Point Name
02/10/2016 12:00	< 0.00020 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 0.00020 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	< 0.00020 mg/L	S5 - well #3 lot 11 Rock Dr
Calcium (total)		Sampling Point Name
02/10/2016 12:00	25.7 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	18.0 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	17.2 mg/L	S5 - well #3 lot 11 Rock Dr
Chloride		Sampling Point Name
02/10/2016 12:00	18.6 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	6.28 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	12.2 mg/L	S5 - well #3 lot 11 Rock Dr
Chromium (total)		Sampling Point Name
02/10/2016 12:00	< 0.0020 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 0.0020 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	< 0.0020 mg/L	S5 - well #3 lot 11 Rock Dr

Cobalt (total)		Sampling Point Name
02/10/2016 12:00	< 0.010 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 0.010 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	< 0.010 mg/L	S5 - well #3 lot 11 Rock Dr

Colour		Sampling Point Name
02/10/2016 12:00	< 5.0 TCU	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 5.0 TCU	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	< 5.0 TCU	S5 - well #3 lot 11 Rock Dr

Conductivity		Sampling Point Name
02/10/2016 12:00	412 uS/cm	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	302 uS/cm	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	320 uS/cm	S5 - well #3 lot 11 Rock Dr

Copper (total)		Sampling Point Name
02/10/2016 12:00	0.0114 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	0.0023 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	0.0098 mg/L	S5 - well #3 lot 11 Rock Dr

Escherichia coli / E. coli (counts)		Sampling Point Name
02/10/2016 12:00	< 1 counts/100mL	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 1 counts/100mL	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	< 1 counts/100mL	S5 - well #3 lot 11 Rock Dr

Fecal Coliforms (counts)		Sampling Point Name
02/10/2016 12:00	< 1 counts/100mL	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 1 counts/100mL	S4 - well #2 lot 13 Rock Dr/Entrance Ave.

Fecal Coliforms (counts)		Sampling Point Name
05/05/2016 15:20	< 1 counts/100mL	S5 - well #3 lot 11 Rock Dr
Fluoride		Sampling Point Name
02/10/2016 12:00	0.109 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	0.121 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	0.418 mg/L	S5 - well #3 lot 11 Rock Dr
Hardness (total, as CaCO3)		Sampling Point Name
02/10/2016 12:00	97.1 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	56.1 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	54.3 mg/L	S5 - well #3 lot 11 Rock Dr
Heterotrophic Plate Count / HPC		Sampling Point Name
02/10/2016 12:00	500 CFU/100mL	S3 - well #1 4275 Shell Bach Rd-raw water
* 05/05/2016 15:00	1,100 CFU/100mL	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
* 05/05/2016 15:20	800 CFU/100mL	S5 - well #3 lot 11 Rock Dr
Iron (total)		Sampling Point Name
02/10/2016 12:00	0.138 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
* 05/05/2016 15:00	1.04 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
* 05/05/2016 15:20	1.93 mg/L	S5 - well #3 lot 11 Rock Dr
Iron Bacteria (MPN / PA)		Sampling Point Name
02/10/2016 12:00	SC	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	SC	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	SC	S5 - well #3 lot 11 Rock Dr

Langelier Index		Sampling Point Name
02/10/2016 12:00	-0.47	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	-0.56	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	-0.078	S5 - well #3 lot 11 Rock Dr
Langelier Index (@ 20 C)		Sampling Point Name
02/10/2016 12:00	11	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	21	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	21	S5 - well #3 lot 11 Rock Dr
Lead (total)		Sampling Point Name
02/10/2016 12:00	0.00087 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	0.00150 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	0.00085 mg/L	S5 - well #3 lot 11 Rock Dr
Lithium (total)		Sampling Point Name
02/10/2016 12:00	0.015 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	0.017 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	0.017 mg/L	S5 - well #3 lot 11 Rock Dr
Magnesium (total)		Sampling Point Name
02/10/2016 12:00	8.01 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	2.72 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	2.75 mg/L	S5 - well #3 lot 11 Rock Dr
Manganese (total)		Sampling Point Name
* 02/10/2016 12:00	0.268 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
* 05/05/2016 15:00	0.209 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.

Manganese (total)		Sampling Point Name
* 05/05/2016 15:20	2.27 mg/L	S5 - well #3 lot 11 Rock Dr
Mercury (total)		Sampling Point Name
02/10/2016 12:00	< 0.00020 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 0.00020 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	< 0.00020 mg/L	S5 - well #3 lot 11 Rock Dr
Molybdenum (total)		Sampling Point Name
02/10/2016 12:00	< 0.030 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 0.030 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	< 0.030 mg/L	S5 - well #3 lot 11 Rock Dr
Nickel (total)		Sampling Point Name
02/10/2016 12:00	< 0.050 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 0.050 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	< 0.050 mg/L	S5 - well #3 lot 11 Rock Dr
Nitrate (as N)		Sampling Point Name
02/10/2016 12:00	< 0.0050 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 0.0050 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	< 0.0050 mg/L	S5 - well #3 lot 11 Rock Dr
Nitrate + Nitrite (as N)		Sampling Point Name
02/10/2016 12:00	< 0.0051 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 0.0051 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	< 0.0051 mg/L	S5 - well #3 lot 11 Rock Dr

Nitrite (as N)		Sampling Point Name
02/10/2016 12:00	< 0.0010 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 0.0010 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	< 0.0010 mg/L	S5 - well #3 lot 11 Rock Dr
pH		Sampling Point Name
02/10/2016 12:00	6.68	S3 - well #1 4275 Shell Bach Rd-raw water
02/10/2016 12:00	7.50	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	7.39	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:00	7.39	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	7.88	S5 - well #3 lot 11 Rock Dr
05/05/2016 15:20	7.88	S5 - well #3 lot 11 Rock Dr
Phosphorus (total)		Sampling Point Name
02/10/2016 12:00	< 0.30 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 0.30 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	< 0.30 mg/L	S5 - well #3 lot 11 Rock Dr
Potassium (total)		Sampling Point Name
02/10/2016 12:00	0.60 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	0.15 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	0.15 mg/L	S5 - well #3 lot 11 Rock Dr
Selenium (total)		Sampling Point Name
02/10/2016 12:00	< 0.0010 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 0.0010 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	< 0.0010 mg/L	S5 - well #3 lot 11 Rock Dr

Silicon (total, as Si)		Sampling Point Name
02/10/2016 12:00	10.2 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	9.22 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	9.83 mg/L	S5 - well #3 lot 11 Rock Dr
Silver (total)		Sampling Point Name
02/10/2016 12:00	< 0.010 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 0.010 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	< 0.010 mg/L	S5 - well #3 lot 11 Rock Dr
Sodium (total)		Sampling Point Name
02/10/2016 12:00	52.8 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	51.2 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	56.1 mg/L	S5 - well #3 lot 11 Rock Dr
Strontium (total)		Sampling Point Name
02/10/2016 12:00	0.258 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	0.162 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	0.133 mg/L	S5 - well #3 lot 11 Rock Dr
Sulphate		Sampling Point Name
02/10/2016 12:00	39.6 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	9.49 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	3.29 mg/L	S5 - well #3 lot 11 Rock Dr
Sulphate Reducing Bacteria		Sampling Point Name
02/10/2016 12:00	SC	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	SC	S4 - well #2 lot 13 Rock Dr/Entrance Ave.

Sulphate Reducing Bacteria		Sampling Point Name
05/05/2016 15:20	SC	S5 - well #3 lot 11 Rock Dr
Sulphide (total, as S)		Sampling Point Name
02/10/2016 12:00	0.164 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	0.022 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	0.129 mg/L	S5 - well #3 lot 11 Rock Dr
Tannins and Lignins		Sampling Point Name
02/10/2016 12:00	0.14 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	0.14 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	< 0.10 mg/L	S5 - well #3 lot 11 Rock Dr
Thallium (total)		Sampling Point Name
02/10/2016 12:00	< 0.20 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 0.20 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	< 0.20 mg/L	S5 - well #3 lot 11 Rock Dr
Tin (total)		Sampling Point Name
02/10/2016 12:00	< 0.030 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 0.030 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	< 0.030 mg/L	S5 - well #3 lot 11 Rock Dr
Titanium (total)		Sampling Point Name
02/10/2016 12:00	< 0.010 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 0.010 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	0.033 mg/L	S5 - well #3 lot 11 Rock Dr

Total Coliforms (counts)		Sampling Point Name
* 02/10/2016 12:00	> 1 counts/100mL	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 1 counts/100mL	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
* 05/05/2016 15:20	> 1 counts/100mL	S5 - well #3 lot 11 Rock Dr
Total Dissolved Solids / TDS		Sampling Point Name
02/10/2016 12:00	253 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	192 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	207 mg/L	S5 - well #3 lot 11 Rock Dr
Total Kjeldahl Nitrogen / TKN		Sampling Point Name
02/10/2016 12:00	0.127 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 0.050 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	0.073 mg/L	S5 - well #3 lot 11 Rock Dr
Total Organic Carbon / TOC		Sampling Point Name
02/10/2016 12:00	1.46 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	0.78 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	0.71 mg/L	S5 - well #3 lot 11 Rock Dr
Turbidity		Sampling Point Name
02/10/2016 12:00	0.86 NTU	S3 - well #1 4275 Shell Bach Rd-raw water
* 05/05/2016 15:00	12.5 NTU	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
* 05/05/2016 15:20	18.8 NTU	S5 - well #3 lot 11 Rock Dr
Uranium (total)		Sampling Point Name
02/10/2016 12:00	< 0.00010 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 0.00010 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.

Uranium (total)		Sampling Point Name
05/05/2016 15:20	< 0.00010 mg/L	S5 - well #3 lot 11 Rock Dr
Vanadium (total)		Sampling Point Name
02/10/2016 12:00	< 0.030 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 0.030 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	< 0.030 mg/L	S5 - well #3 lot 11 Rock Dr
Zinc (total)		Sampling Point Name
02/10/2016 12:00	0.0197 mg/L	S3 - well #1 4275 Shell Bach Rd-raw water
05/05/2016 15:00	< 0.0050 mg/L	S4 - well #2 lot 13 Rock Dr/Entrance Ave.
05/05/2016 15:20	< 0.0050 mg/L	S5 - well #3 lot 11 Rock Dr

Result Legend:

P=present, A=absent, PR=presumptive, ND=non-detect, U=non-detect, OR=over-range, OG=overgrown, 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**

