



|                |                            |                          |                       |                             |
|----------------|----------------------------|--------------------------|-----------------------|-----------------------------|
| Burlington, WA | Corporate Laboratory (a)   | 1620 S Walnut St         | Burlington, WA 98233  | 800.755.9295 • 360.757.1400 |
| Bellingham, WA | Microbiology (b)           | 805 Orchard Dr Ste 4     | Bellingham, WA 98225  | 360.715.1212                |
| Portland, OR   | Microbiology/Chemistry (c) | 9150 SW Pioneer Ct Ste W | Wilsonville, OR 97070 | 503.682.7802                |
| Corvallis, OR  | Microbiology (d)           | 540 SW Third Street      | Corvallis, OR 97333   | 541.753.4946                |



OR NELAP 4072

## INORGANIC COMPOUNDS (IOC) REPORT

Client Name: Rolling Hills Glencairn C/O EWS  
1126 N Sidney  
Oak Harbor, WA 98277

Reference Number: 19-22276  
Project: Rolling Hills Glencairn

Date Collected: 6/18/19 11:40  
System ID Number: **74000F**  
Lab Number: **046-43522**  
Sample Location: SO3 - Well 3  
Sample Purpose: C - Compliance  
Sample Composition: Single Source  
Approved by: bj,bsp,hkl  
Authorized by:

*Patrick Miller*  
Patrick Miller, MS  
QA Officer

Field ID:  
System Group Type: A  
System Name: ROLLING HILLS-GLENCAIRN  
County: ISLAND  
Source Number: **03**  
Multiple Sources:  
Date Received: 6/18/19  
Report Date: 7/10/19  
Sample Type: D - Drinking Water  
Sampled By: EWS  
Sampler Phone: 360-929-1116

| DOH# | ANALYTES                         | RESULTS      | UNITS       | SRL    | Trigger | MCL   | Analyst | METHOD      | Lab | Analyzed       | COMMENT |
|------|----------------------------------|--------------|-------------|--------|---------|-------|---------|-------------|-----|----------------|---------|
|      | <b>EPA Regulated</b>             |              |             |        |         |       |         |             |     |                |         |
| 4    | ARSENIC                          | <b>0.003</b> | mg/L        | 0.001  | 0.010   | 0.010 | bj      | 200.8       | a   | 07/01/19       |         |
| 5    | BARIUM                           | <b>0.110</b> | mg/L        | 0.001  | 2       | 2     | bj      | 200.8       | a   | 07/01/19       |         |
| 6    | CADMIUM                          | <b>ND</b>    | mg/L        | 0.001  | 0.005   | 0.005 | bj      | 200.8       | a   | 07/01/19       |         |
| 7    | CHROMIUM                         | <b>0.001</b> | mg/L        | 0.001  | 0.1     | 0.1   | bj      | 200.8       | a   | 07/01/19       |         |
| 11   | MERCURY                          | <b>ND</b>    | mg/L        | 0.0002 | 0.002   | 0.002 | hkl     | 245.1       | a   | 07/02/19       |         |
| 12   | SELENIUM                         | <b>ND</b>    | mg/L        | 0.002  | 0.05    | 0.05  | bj      | 200.8       | a   | 07/01/19       |         |
| 110  | BERYLLIUM                        | <b>ND</b>    | mg/L        | 0.0003 | 0.004   | 0.004 | bj      | 200.8       | a   | 07/01/19       |         |
| 111  | NICKEL                           | <b>ND</b>    | mg/L        | 0.001  | 0.1     |       | bj      | 200.8       | a   | 07/01/19       |         |
| 112  | ANTIMONY                         | <b>ND</b>    | mg/L        | 0.001  | 0.006   | 0.006 | bj      | 200.8       | a   | 07/01/19       |         |
| 113  | THALLIUM                         | <b>ND</b>    | mg/L        | 0.0001 | 0.002   | 0.002 | bj      | 200.8       | a   | 07/01/19       |         |
| 116  | CYANIDE, AVAILABLE               | <b>ND</b>    | mg/L        | 0.010  | 0.2     | 0.2   | lrs     | OIA-1677-DW | a   | 06/22/19       |         |
| 19   | FLUORIDE                         | <b>0.12</b>  | mg/L        | 0.1    | 2       | 4     | bj      | 300.0       | a   | 06/19/19       |         |
| 114  | NITRITE-N                        | <b>ND</b>    | mg/L        | 0.1    | 0.5     | 1     | bj      | 300.0       | a   | 06/19/19 16:11 |         |
| 20   | NITRATE-N                        | <b>ND</b>    | mg/L        | 0.1    | 5       | 10    | bj      | 300.0       | a   | 06/19/19 16:11 |         |
| 161  | TOTAL NITRATE/NITRITE            | <b>ND</b>    | mg/L        | 0.50   | 5       | 10    | bj      | 300.0       | a   | 06/19/19 16:11 |         |
|      | <b>EPA Regulated (Secondary)</b> |              |             |        |         |       |         |             |     |                |         |
| 8    | IRON                             | <b>5.65</b>  | mg/L        | 0.100  | 0.3     | 0.3   | hkl     | 200.7       | a   | 06/28/19       |         |
| 10   | MANGANESE                        | <b>0.196</b> | mg/L        | 0.001  | 0.05    | 0.05  | bj      | 200.8       | a   | 07/01/19       |         |
| 13   | SILVER                           | <b>ND</b>    | mg/L        | 0.001  | 0.05    | 0.05  | bj      | 200.8       | a   | 07/01/19       |         |
| 21   | CHLORIDE                         | <b>105</b>   | mg/L        | 0.1    | 250     | 250   | bj      | 300.0       | a   | 06/19/19       |         |
| 22   | SULFATE                          | <b>21</b>    | mg/L        | 0.2    | 250     | 250   | bj      | 300.0       | a   | 06/19/19       |         |
| 24   | ZINC                             | <b>0.020</b> | mg/L        | 0.005  |         | 5.00  | bj      | 200.8       | a   | 07/01/19       |         |
| 14   | SODIUM                           | <b>54.5</b>  | mg/L        | 5.0    |         |       | hkl     | 200.7       | a   | 06/28/19       |         |
| 15   | HARDNESS as Calcium Carbonate    | <b>346.6</b> | mg/L        | 10     |         |       | hkl     | 200.7       | a   | 06/28/19       |         |
| 16   | ELECTRICAL CONDUCTIVITY          | <b>975</b>   | uS/cm       | 10     | 700     | 700   | hkl     | SM2510 B    | a   | 06/25/19       |         |
| 17   | TURBIDITY                        | <b>4.4</b>   | NTU         | 0.20   |         | 1     | bsp     | 180.1       | a   | 06/19/19 16:58 |         |
| 18   | COLOR                            | <b>15 N1</b> | Color Units | 5      | 15      | 15    | bsp     | SM2120 B    | a   | 06/20/19 08:42 | pH:     |
| 26   | TOTAL DISSOLVED SOLIDS (TDS)     | <b>557</b>   | mg/L        | 10     | 500     | 500   | ajw     | SM2540 C    | a   | 06/24/19       |         |
|      | <b>State Unregulated</b>         |              |             |        |         |       |         |             |     |                |         |
| 9    | LEAD                             | <b>ND</b>    | mg/L        | 0.001  |         | 0.015 | bj      | 200.8       | a   | 07/01/19       |         |
| 23   | COPPER                           | <b>ND</b>    | mg/L        | 0.005  |         | 1.3   | bj      | 200.8       | a   | 07/01/19       |         |

### NOTES:

SRL (State Reporting Level): indicates the minimum reporting level required by the Washington Department of Health (DOH).

MCL (Maximum Contaminant Level) maximum permissible level of a contaminant in water established by EPA; Federal Action Levels are 0.015 mg/L for Lead and 1.3 mg/L for Copper. Sodium has a recommended limit of 20 mg/L. A blank MCL value indicates a level is not currently established.

Trigger Level: DOH Drinking Water Response level. Systems with compounds detected in excess of this level are required to take additional samples. Contact your regional DOH office.

ND (Not Detected): indicates that the parameter was not detected above the Specified Reporting Limit (SRL).

An \* in front of the parameter name indicates it is not NELAP accredited but it is accredited through WSDOH or USEPA Region 10.

These test results meet all the requirements of NELAC, unless otherwise stated in writing, and relate only to these samples.

If you have any questions concerning this report contact Patrick Miller, MS, QA Officer, at the toll-free phone number above.

FORM: IOC\_ST



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OR NELAP 4072

## INORGANIC COMPOUNDS (IOC) REPORT

Client Name: Rolling Hills Glencairn C/O EWS  
1126 N Sidney  
Oak Harbor, WA 98277

Reference Number: 19-22276  
Project: Rolling Hills Glencairn

Date Collected: 6/18/19 11:50  
System ID Number: **74000F**  
Lab Number: **046-43523**  
Sample Location: SO4  
Sample Purpose: C - Compliance  
Sample Composition: Single Source  
Approved by: bj.bsp,hkl  
Authorized by:

*Patrick Miller*  
Patrick Miller, MS  
QA Officer

Field ID:  
System Group Type: A  
System Name: ROLLING HILLS-GLENCAIRN  
County: ISLAND  
Source Number: **04**  
Multiple Sources:  
Date Received: 6/18/19  
Report Date: 7/10/19  
Sample Type: D - Drinking Water  
Sampled By: EWS  
Sampler Phone: 360-929-1116

| DOH# | ANALYTES                         | RESULTS      | UNITS       | SRL    | Trigger | MCL   | Analyst | METHOD      | Lab | Analyzed       | COMMENT |
|------|----------------------------------|--------------|-------------|--------|---------|-------|---------|-------------|-----|----------------|---------|
|      | <b>EPA Regulated</b>             |              |             |        |         |       |         |             |     |                |         |
| 4    | ARSENIC                          | <b>0.002</b> | mg/L        | 0.001  | 0.010   | 0.010 | bj      | 200.8       | a   | 07/01/19       |         |
| 5    | BARIUM                           | <b>0.088</b> | mg/L        | 0.001  | 2       | 2     | bj      | 200.8       | a   | 07/01/19       |         |
| 6    | CADMIUM                          | <b>ND</b>    | mg/L        | 0.001  | 0.005   | 0.005 | bj      | 200.8       | a   | 07/01/19       |         |
| 7    | CHROMIUM                         | <b>ND</b>    | mg/L        | 0.001  | 0.1     | 0.1   | bj      | 200.8       | a   | 07/01/19       |         |
| 11   | MERCURY                          | <b>ND</b>    | mg/L        | 0.0002 | 0.002   | 0.002 | hkl     | 245.1       | a   | 07/02/19       |         |
| 12   | SELENIUM                         | <b>ND</b>    | mg/L        | 0.002  | 0.05    | 0.05  | bj      | 200.8       | a   | 07/01/19       |         |
| 110  | BERYLLIUM                        | <b>ND</b>    | mg/L        | 0.0003 | 0.004   | 0.004 | bj      | 200.8       | a   | 07/01/19       |         |
| 111  | NICKEL                           | <b>ND</b>    | mg/L        | 0.001  | 0.1     |       | bj      | 200.8       | a   | 07/01/19       |         |
| 112  | ANTIMONY                         | <b>ND</b>    | mg/L        | 0.001  | 0.006   | 0.006 | bj      | 200.8       | a   | 07/01/19       |         |
| 113  | THALLIUM                         | <b>ND</b>    | mg/L        | 0.0001 | 0.002   | 0.002 | bj      | 200.8       | a   | 07/01/19       |         |
| 116  | CYANIDE, AVAILABLE               | <b>ND</b>    | mg/L        | 0.010  | 0.2     | 0.2   | lrs     | OIA-1677-DW | a   | 06/22/19       |         |
| 19   | FLUORIDE                         | <b>0.16</b>  | mg/L        | 0.1    | 2       | 4     | bj      | 300.0       | a   | 06/19/19       |         |
| 114  | NITRITE-N                        | <b>ND</b>    | mg/L        | 0.1    | 0.5     | 1     | bj      | 300.0       | a   | 06/19/19 15:46 |         |
| 20   | NITRATE-N                        | <b>ND</b>    | mg/L        | 0.1    | 5       | 10    | bj      | 300.0       | a   | 06/19/19 15:46 |         |
| 161  | TOTAL NITRATE/NITRITE            | <b>ND</b>    | mg/L        | 0.50   | 5       | 10    | bj      | 300.0       | a   | 06/19/19 15:46 |         |
|      | <b>EPA Regulated (Secondary)</b> |              |             |        |         |       |         |             |     |                |         |
| 8    | IRON                             | <b>3.38</b>  | mg/L        | 0.100  | 0.3     | 0.3   | hkl     | 200.7       | a   | 06/28/19       |         |
| 10   | MANGANESE                        | <b>0.094</b> | mg/L        | 0.001  | 0.05    | 0.05  | bj      | 200.8       | a   | 07/01/19       |         |
| 13   | SILVER                           | <b>ND</b>    | mg/L        | 0.001  | 0.05    | 0.05  | bj      | 200.8       | a   | 07/01/19       |         |
| 21   | CHLORIDE                         | <b>107</b>   | mg/L        | 0.1    | 250     | 250   | bj      | 300.0       | a   | 06/19/19       |         |
| 22   | SULFATE                          | <b>29</b>    | mg/L        | 0.2    | 250     | 250   | bj      | 300.0       | a   | 06/19/19       |         |
| 24   | ZINC                             | <b>ND</b>    | mg/L        | 0.005  |         | 5.00  | bj      | 200.8       | a   | 07/01/19       |         |
| 14   | SODIUM                           | <b>52.2</b>  | mg/L        | 5.0    |         |       | hkl     | 200.7       | a   | 06/28/19       |         |
| 15   | HARDNESS as Calcium Carbonate    | <b>374.9</b> | mg/L        | 10     |         |       | hkl     | 200.7       | a   | 06/28/19       |         |
| 16   | ELECTRICAL CONDUCTIVITY          | <b>1014</b>  | uS/cm       | 10     | 700     | 700   | hkl     | SM2510 B    | a   | 06/25/19       |         |
| 17   | TURBIDITY                        | <b>40</b>    | NTU         | 0.20   |         | 1     | bsp     | 180.1       | a   | 06/19/19 16:56 |         |
| 18   | COLOR                            | <b>ND N1</b> | Color Units | 5      | 15      | 15    | bsp     | SM2120 B    | a   | 06/20/19 08:35 | pH:     |
| 26   | TOTAL DISSOLVED SOLIDS (TDS)     | <b>564</b>   | mg/L        | 10     | 500     | 500   | ajw     | SM2540 C    | a   | 06/24/19       |         |
|      | <b>State Unregulated</b>         |              |             |        |         |       |         |             |     |                |         |
| 9    | LEAD                             | <b>ND</b>    | mg/L        | 0.001  |         | 0.015 | bj      | 200.8       | a   | 07/01/19       |         |
| 23   | COPPER                           | <b>ND</b>    | mg/L        | 0.005  |         | 1.3   | bj      | 200.8       | a   | 07/01/19       |         |

### NOTES:

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Trigger Level: DOH Drinking Water Response level. Systems with compounds detected in excess of this level are required to take additional samples. Contact your regional DOH office.

ND (Not Detected): indicates that the parameter was not detected above the Specified Reporting Limit (SRL).

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OR NELAP 4072

## INORGANIC COMPOUNDS (IOC) REPORT

Client Name: Rolling Hills Glencairn C/O EWS  
1126 N Sidney  
Oak Harbor, WA 98277

Reference Number: 19-22276  
Project: Rolling Hills Glencairn

Date Collected: 6/18/19 12:00  
System ID Number: **74000F**  
Lab Number: **046-43524**  
Sample Location: SO5 - Well 4  
Sample Purpose: C - Compliance  
Sample Composition: Single Source  
Approved by: bj,bsp,hkl  
Authorized by:

*Patrick Miller*  
Patrick Miller, MS  
QA Officer

Field ID:  
System Group Type: A  
System Name: ROLLING HILLS-GLENCAIRN  
County: ISLAND  
Source Number: **05**  
Multiple Sources:  
Date Received: 6/18/19  
Report Date: 7/10/19  
Sample Type: D - Drinking Water  
Sampled By: EWS  
Sampler Phone: 360-929-1116

| DOH# | ANALYTES                         | RESULTS | UNITS       | SRL    | Trigger | MCL   | Analyst | METHOD      | Lab | Analyzed       | COMMENT |
|------|----------------------------------|---------|-------------|--------|---------|-------|---------|-------------|-----|----------------|---------|
|      | <b>EPA Regulated</b>             |         |             |        |         |       |         |             |     |                |         |
| 4    | ARSENIC                          | ND      | mg/L        | 0.001  | 0.010   | 0.010 | bj      | 200.8       | a   | 07/01/19       |         |
| 5    | BARIUM                           | 0.111   | mg/L        | 0.001  | 2       | 2     | bj      | 200.8       | a   | 07/01/19       |         |
| 6    | CADMIUM                          | ND      | mg/L        | 0.001  | 0.005   | 0.005 | bj      | 200.8       | a   | 07/01/19       |         |
| 7    | CHROMIUM                         | 0.001   | mg/L        | 0.001  | 0.1     | 0.1   | bj      | 200.8       | a   | 07/01/19       |         |
| 11   | MERCURY                          | ND      | mg/L        | 0.0002 | 0.002   | 0.002 | hkl     | 245.1       | a   | 07/02/19       |         |
| 12   | SELENIUM                         | ND      | mg/L        | 0.002  | 0.05    | 0.05  | bj      | 200.8       | a   | 07/01/19       |         |
| 110  | BERYLLIUM                        | ND      | mg/L        | 0.0003 | 0.004   | 0.004 | bj      | 200.8       | a   | 07/01/19       |         |
| 111  | NICKEL                           | ND      | mg/L        | 0.001  | 0.1     |       | bj      | 200.8       | a   | 07/01/19       |         |
| 112  | ANTIMONY                         | ND      | mg/L        | 0.001  | 0.006   | 0.006 | bj      | 200.8       | a   | 07/01/19       |         |
| 113  | THALLIUM                         | ND      | mg/L        | 0.0001 | 0.002   | 0.002 | bj      | 200.8       | a   | 07/01/19       |         |
| 116  | CYANIDE, AVAILABLE               | ND      | mg/L        | 0.010  | 0.2     | 0.2   | lrs     | OIA-1677-DW | a   | 06/22/19       |         |
| 19   | FLUORIDE                         | 0.14    | mg/L        | 0.1    | 2       | 4     | bj      | 300.0       | a   | 06/19/19       |         |
| 114  | NITRITE-N                        | ND      | mg/L        | 0.1    | 0.5     | 1     | bj      | 300.0       | a   | 06/19/19 16:36 |         |
| 20   | NITRATE-N                        | ND      | mg/L        | 0.1    | 5       | 10    | bj      | 300.0       | a   | 06/19/19 16:36 |         |
| 161  | TOTAL NITRATE/NITRITE            | ND      | mg/L        | 0.50   | 5       | 10    | bj      | 300.0       | a   | 06/19/19 16:36 |         |
|      | <b>EPA Regulated (Secondary)</b> |         |             |        |         |       |         |             |     |                |         |
| 8    | IRON                             | 2.28    | mg/L        | 0.100  | 0.3     | 0.3   | hkl     | 200.7       | a   | 06/28/19       |         |
| 10   | MANGANESE                        | 0.322   | mg/L        | 0.001  | 0.05    | 0.05  | bj      | 200.8       | a   | 07/01/19       |         |
| 13   | SILVER                           | ND      | mg/L        | 0.001  | 0.05    | 0.05  | bj      | 200.8       | a   | 07/01/19       |         |
| 21   | CHLORIDE                         | 62      | mg/L        | 0.1    | 250     | 250   | bj      | 300.0       | a   | 06/19/19       |         |
| 22   | SULFATE                          | 1.6     | mg/L        | 0.2    | 250     | 250   | bj      | 300.0       | a   | 06/19/19       |         |
| 24   | ZINC                             | ND      | mg/L        | 0.005  |         | 5.00  | bj      | 200.8       | a   | 07/01/19       |         |
| 14   | SODIUM                           | 40.0    | mg/L        | 5.0    |         |       | hkl     | 200.7       | a   | 06/28/19       |         |
| 15   | HARDNESS as Calcium Carbonate    | 281.4   | mg/L        | 10     |         |       | hkl     | 200.7       | a   | 06/28/19       |         |
| 16   | ELECTRICAL CONDUCTIVITY          | 777     | uS/cm       | 10     | 700     | 700   | hkl     | SM2510 B    | a   | 06/25/19       |         |
| 17   | TURBIDITY                        | 17      | NTU         | 0.10   |         | 1     | bsp     | 180.1       | a   | 06/19/19 16:59 |         |
| 18   | COLOR                            | 5 N1    | Color Units | 5      | 15      | 15    | bsp     | SM2120 B    | a   | 06/20/19 08:38 | pH:     |
| 26   | TOTAL DISSOLVED SOLIDS (TDS)     | 441     | mg/L        | 10     | 500     | 500   | ajw     | SM2540 C    | a   | 06/24/19       |         |
|      | <b>State Unregulated</b>         |         |             |        |         |       |         |             |     |                |         |
| 9    | LEAD                             | ND      | mg/L        | 0.001  |         | 0.015 | bj      | 200.8       | a   | 07/01/19       |         |
| 23   | COPPER                           | ND      | mg/L        | 0.005  |         | 1.3   | bj      | 200.8       | a   | 07/01/19       |         |

### NOTES:

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Trigger Level: DOH Drinking Water Response level. Systems with compounds detected in excess of this level are required to take additional samples. Contact your regional DOH office.

ND (Not Detected): indicates that the parameter was not detected above the Specified Reporting Limit (SRL).

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FORM: IOC\_ST