<table>
<thead>
<tr>
<th>ALKALINITY (ppm CaCO3)</th>
<th>A: ... 50</th>
<th>B: 51 - 100</th>
<th>C: 101 - 200</th>
<th>D: 201 - 300</th>
<th>E: 301 - 400</th>
<th>F: 401 ...</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>32</td>
<td>7</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>0 %</td>
<td>0 %</td>
<td>0 %</td>
<td>80 %</td>
<td>18 %</td>
<td>2 %</td>
</tr>
</tbody>
</table>

Mapped value is the average unless otherwise indicated. Treated samples not mapped.
Groundwater Center
Door County
July 2012

Town of Gibraltar

ARSENIC (mg/l)
Maximum value for the 1/4 1/4 section.

<table>
<thead>
<tr>
<th>Level</th>
<th>Code</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>None Detected</td>
<td>A</td>
<td>38</td>
<td>95%</td>
</tr>
<tr>
<td>0.010</td>
<td>B</td>
<td>2</td>
<td>5%</td>
</tr>
<tr>
<td>0.011 - 0.050</td>
<td>C</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>0.051 - 0.100</td>
<td>D</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>0.101 - 0.150</td>
<td>E</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>0.151 ...</td>
<td>F</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>
Town of Gibraltar
Door County
July 2012

**BACTERIA POSITIVE**
Any sample in the 1/4 1/4 section.
Town of Gibraltar
Doors County
July 2012

Depth to Bedrock:
- Red: within 5 ft - more than 70% of area
- Pink: within 5 ft - 35 to 70% of area
- Orange: 5 to 50 ft
- Yellow: 50 to 100 ft
- Green: greater than 100 ft
 Town of Gibraltar  
Door County  
July 2012

<table>
<thead>
<tr>
<th>CALCIUM (mg/l)</th>
<th>A</th>
<th>None Detected</th>
<th>3</th>
<th>8 %</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>... 25</td>
<td>9</td>
<td>22 %</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>26 - 50</td>
<td>1</td>
<td>2 %</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>51 - 75</td>
<td>22</td>
<td>55 %</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>76 - 100</td>
<td>5</td>
<td>12 %</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>101 ...</td>
<td>0</td>
<td>0 %</td>
<td></td>
</tr>
</tbody>
</table>

Mapped value is the average unless otherwise indicated. Treated samples not mapped.

Groundwater Center
Watershed Science and Education
CHLORIDE (ppm)

A None Detected 0 0%
B ... 10 29 72%
C 11 - 50 11 28%
D 51 - 100 0 0%
E 101 - 200 0 0%
F 201 ... 0 0%

Mapped value is the average unless otherwise indicated. Treated samples not mapped.
Town of Gibraltar
Door County
July 2012

Color Problem
Odor Problem
Taste Problem
Town of Gibraltar
Door County
July 2012

CONDUCTIVITY (umhos/cm)

- A: … 100
  - Mapped value is the average unless otherwise indicated.
  - Treated samples not mapped.

- B: 101 - 250
- C: 251 - 500
- D: 501 - 750
- E: 751 - 1000
- F: 1001 ...

0 0 %
0 0 %
4 10 %
35 88 %
0 0 %
1 2 %

Map location is the average unless otherwise indicated.
Treated samples not mapped.
COPPER (mg/l)

- **A** None Detected: 3 (%)
- **B** 0.130: 22 (%) 55%
- **C** 0.131 - 0.500: 8 (%) 20%
- **D** 0.501 - 0.900: 4 (%) 10%
- **E** 0.901 - 1.300: 0 (%) 0%
- **F** 1.301 ...: 3 (%) 8%

Mapped value is the average unless otherwise indicated. Treated samples not mapped.
Town of Gibraltar
Door County
July 2012

IRON (mg/l)

<table>
<thead>
<tr>
<th>Range</th>
<th>Value</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>None Detected</td>
<td>7</td>
<td>18%</td>
</tr>
<tr>
<td>... 0.300</td>
<td>27</td>
<td>68%</td>
</tr>
<tr>
<td>0.301 - 1.000</td>
<td>5</td>
<td>12%</td>
</tr>
<tr>
<td>1.001 - 2.000</td>
<td>1</td>
<td>2%</td>
</tr>
<tr>
<td>2.001 - 5.000</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>5.001 ...</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>

Mapped value is the average unless otherwise indicated. Treated samples not mapped.
POTASSIUM (mg/l)

- **A**: None Detected 1 2%
- **B**: 0-20 39 98%
- **C**: 21-40 0 0%
- **D**: 41-60 0 0%
- **E**: 61-80 0 0%
- **F**: 81+ 0 0%

Mapped value is the average unless otherwise indicated. Treated samples not mapped.
Town of Gibraltar
Door County
July 2012

MAGNESIUM (mg/l)

<table>
<thead>
<tr>
<th>Percentage</th>
<th>A: None Detected</th>
<th>B: ... 20</th>
<th>C: 21 - 40</th>
<th>D: 41 - 60</th>
<th>E: 61 - 80</th>
<th>F: 81 ...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>5</td>
<td>8</td>
<td>25</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Mapped value is the average unless otherwise indicated. Treated samples not mapped.
Groundwater Center
Door County
July 2012

Town of Gibraltar

MANGANESE (mg/l)

<table>
<thead>
<tr>
<th>Category</th>
<th>Value Range</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>None Detected</td>
<td>19</td>
<td>48 %</td>
</tr>
<tr>
<td>B</td>
<td>... 0.050</td>
<td>21</td>
<td>52 %</td>
</tr>
<tr>
<td>C</td>
<td>0.051 - 0.300</td>
<td>0</td>
<td>0 %</td>
</tr>
<tr>
<td>D</td>
<td>0.301 - 0.500</td>
<td>0</td>
<td>0 %</td>
</tr>
<tr>
<td>E</td>
<td>0.501 - 1.000</td>
<td>0</td>
<td>0 %</td>
</tr>
<tr>
<td>F</td>
<td>1.001 ...</td>
<td>0</td>
<td>0 %</td>
</tr>
</tbody>
</table>

Mapped value is the average unless otherwise indicated. Treated samples not mapped.
SODIUM (mg/l)

- **A** None Detected: 1 (2%)
- **B** 0 - 25: 27 (68%)
- **C** 26 - 50: 0 (0%)
- **D** 51 - 75: 0 (0%)
- **E** 76 - 100: 2 (5%)
- **F** 101 +: 10 (25%)

Mapped value is the average unless otherwise indicated.
Treated samples not mapped.
None Detected 19 48%
... 2.0 18 45%
2.1 - 5.0 2 5%
5.1 - 10.0 1 2%
10.1 - 20.0 0 0%
20.1 ... 0 0%

Mapped value is the average unless otherwise indicated.
Treated samples not mapped.
Town of Gibraltar
Door County
July 2012

LEAD (mg/l)

- **A**: None Detected
- **B**: 0.015
- **C**: 0.016 - 0.025
- **D**: 0.026 - 0.050
- **E**: 0.051 - 0.100
- **F**: 0.101 ...

Mapped value is the average unless otherwise indicated. Treated samples not mapped.
Groundwater Center
Door County
July 2012

Town of Gibraltar

pH

- A ... 5.00: 0 (0 %)
- B 5.01 - 6.00: 0 (0 %)
- C 6.01 - 7.00: 0 (0 %)
- D 7.01 - 8.00: 14 (35 %)
- E 8.01 - 9.00: 25 (62 %)
- F 9.01 ...: 1 (2 %)

Mapped value is the average unless otherwise indicated. Treated samples not mapped.
Groundwater Center
Door County
July 2012

Town of Gibraltar

SI (Saturation Index)

<table>
<thead>
<tr>
<th>Range</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>... -3.0</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>-2.9 - -2.0</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>-1.9 - -1.0</td>
<td>3</td>
<td>8%</td>
</tr>
<tr>
<td>-0.9 - 0.0</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>0.1 - 1.0</td>
<td>36</td>
<td>90%</td>
</tr>
<tr>
<td>1.1 ...</td>
<td>1</td>
<td>2%</td>
</tr>
</tbody>
</table>

Mapped value is the average unless otherwise indicated. Treated samples not mapped.
### SULFATE (mg/l)

<table>
<thead>
<tr>
<th>Level</th>
<th>Percentages</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>None Detected</td>
<td>0</td>
<td>0 %</td>
</tr>
<tr>
<td>...25</td>
<td>25</td>
<td>62 %</td>
</tr>
<tr>
<td>26 - 50</td>
<td>13</td>
<td>32 %</td>
</tr>
<tr>
<td>51 - 75</td>
<td>2</td>
<td>5 %</td>
</tr>
<tr>
<td>76 - 100</td>
<td>0</td>
<td>0 %</td>
</tr>
<tr>
<td>101 ...</td>
<td>0</td>
<td>0 %</td>
</tr>
</tbody>
</table>

Mapped value is the average unless otherwise indicated. Treated samples not mapped.
Surficial Deposits:
- Sand & Gravel
- Sand
- Peat
- Loam
- Clay
Town of Gibraltar
Door County
July 2012

TOTAL HARDNESS (ppm CaCO3)

- A ... 50
- B 51 - 100
- C 101 - 200
- D 201 - 300
- E 301 - 400
- F 401 ...

Mapped value is the average unless otherwise indicated. Treated samples not mapped.
<table>
<thead>
<tr>
<th>ZINC (mg/l)</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A None Detected</td>
<td>3</td>
<td>8%</td>
</tr>
<tr>
<td>B 0.100</td>
<td>24</td>
<td>60%</td>
</tr>
<tr>
<td>C 0.101 - 0.500</td>
<td>10</td>
<td>25%</td>
</tr>
<tr>
<td>D 0.501 - 1.000</td>
<td>1</td>
<td>2%</td>
</tr>
<tr>
<td>E 1.001 - 5.000</td>
<td>2</td>
<td>5%</td>
</tr>
<tr>
<td>F 5.001 ...</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>

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