

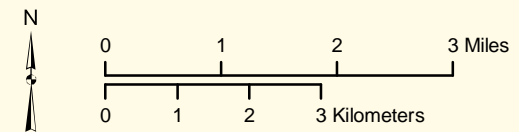
Liberty Grove

Door County June 2011

ALKALINITY (ppm CaCO₃)

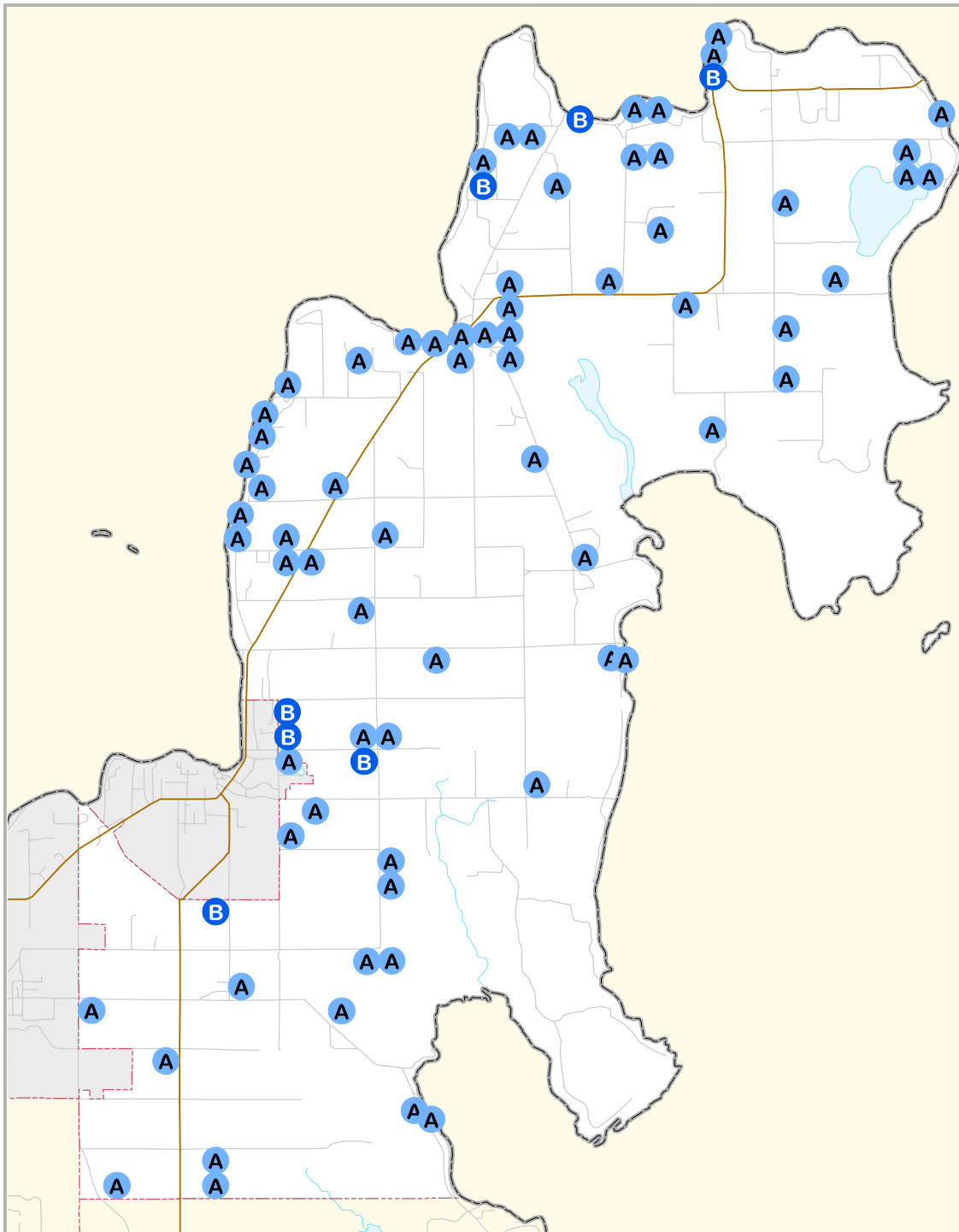
| | | | |
|---|-----------|----|------|
| A | ... 50 | 0 | 0 % |
| B | 51 - 100 | 0 | 0 % |
| C | 101 - 200 | 0 | 0 % |
| D | 201 - 300 | 68 | 78 % |
| E | 301 - 400 | 19 | 22 % |
| F | 401 ... | 0 | 0 % |

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



Door County

Groundwater Center
Center for
Watershed Science
and Education



Liberty Grove

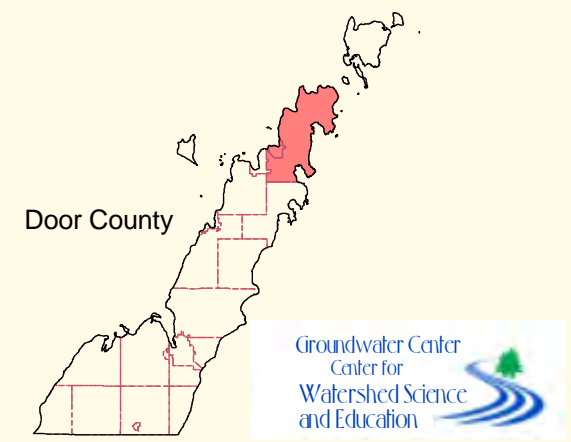
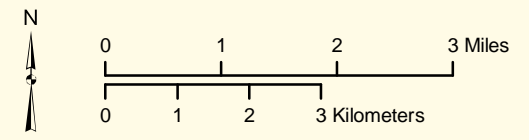
Door County June 2011

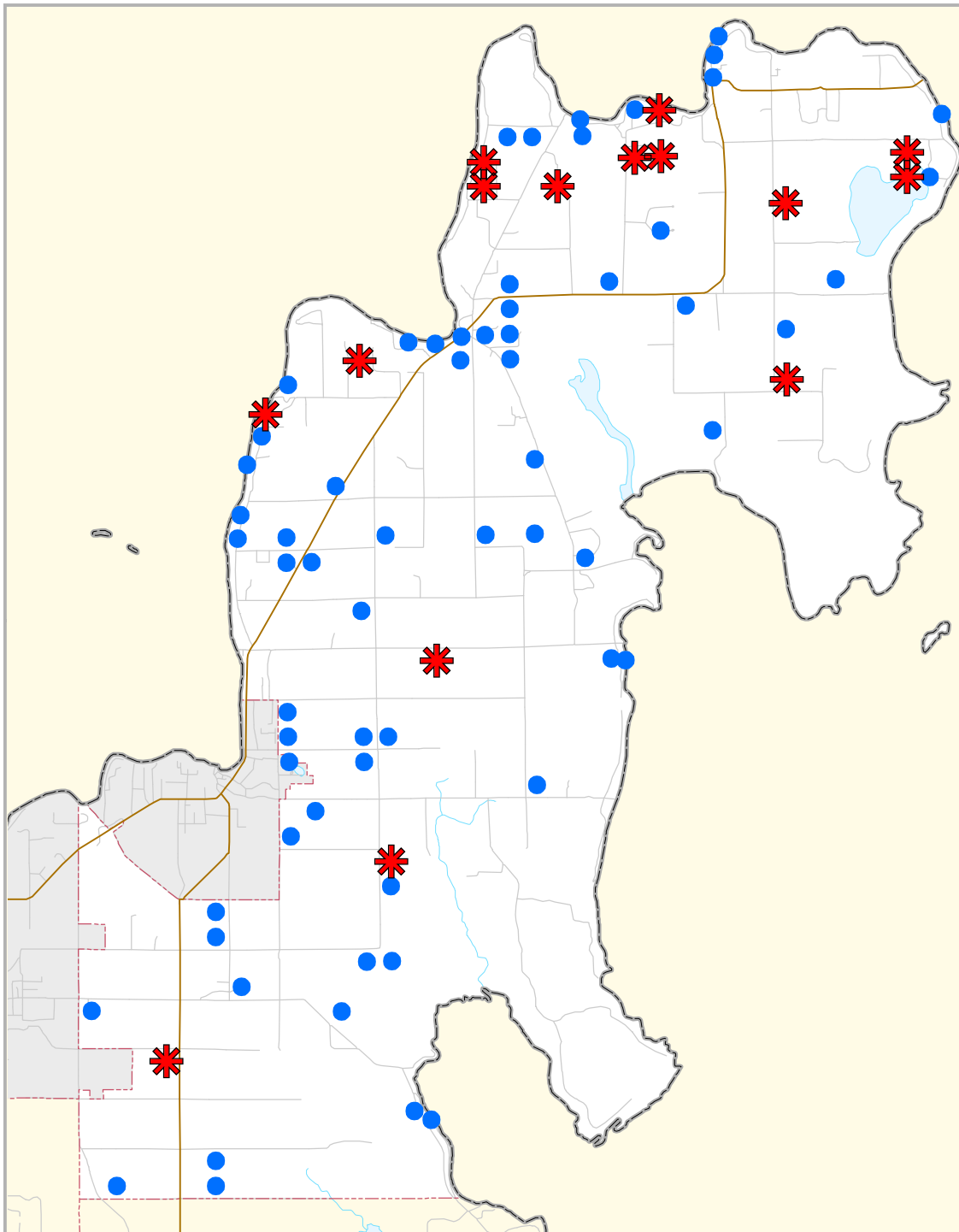
ARSENIC (mg/l)

Maximum value for the 1/4 1/4 section.

| | | | |
|----------|----------------------|-----------|-------------|
| A | None Detected | 76 | 92 % |
| B | ... 0.010 | 7 | 8 % |
| C | 0.011 - 0.050 | 0 | 0 % |
| D | 0.051 - 0.100 | 0 | 0 % |
| E | 0.101 - 0.150 | 0 | 0 % |
| F | 0.151 ... | 0 | 0 % |

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

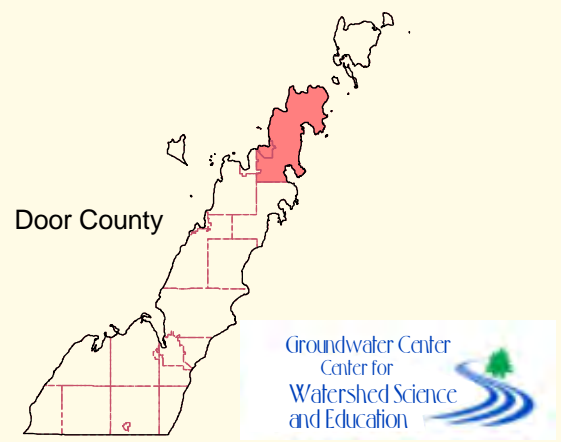
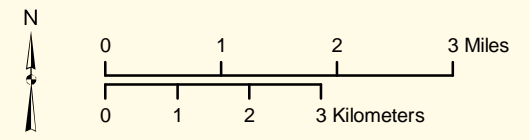


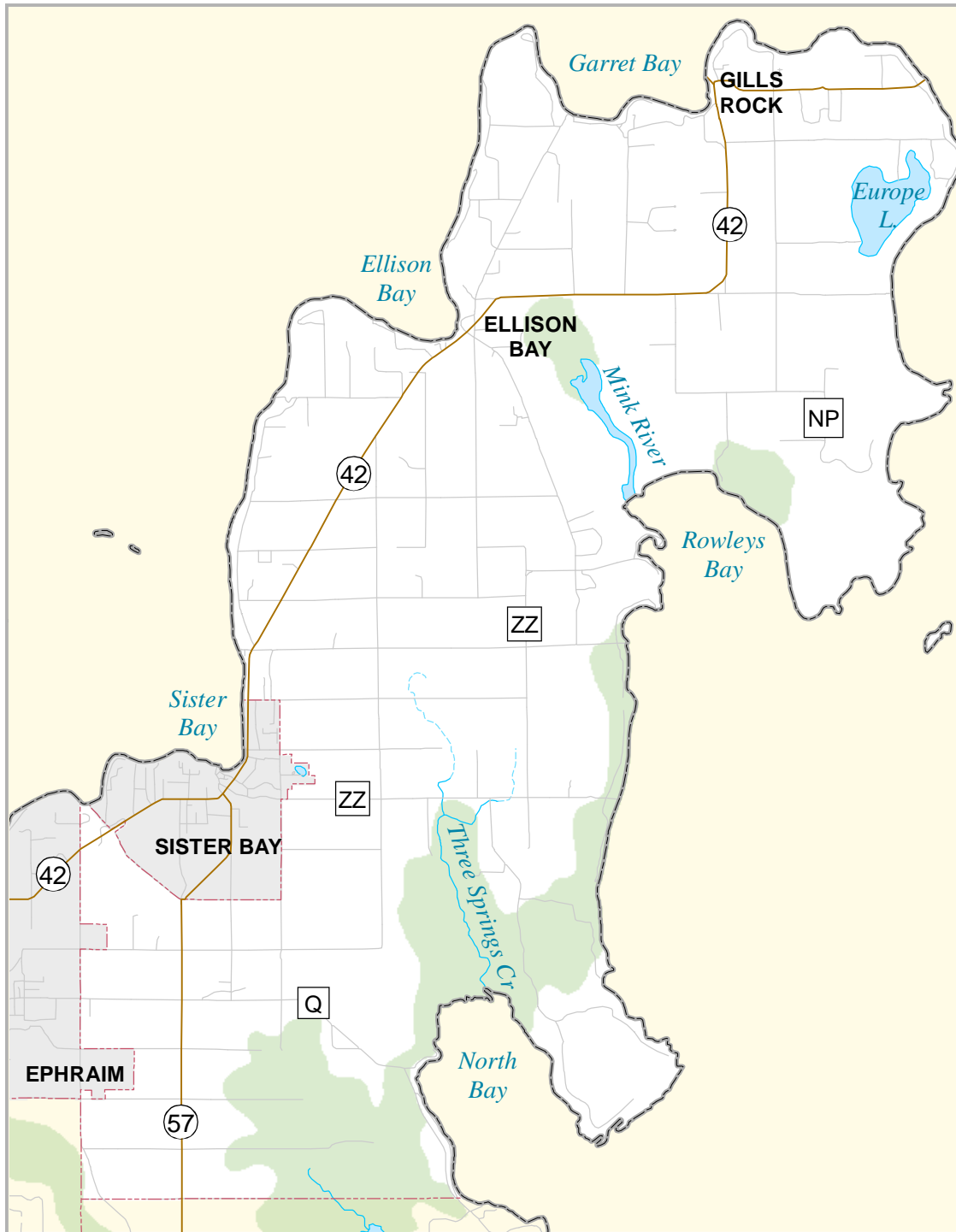


Liberty Grove
Door County June 2011

*** BACTERIA POSITIVE**
Any sample in the 1/4 1/4 section.








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

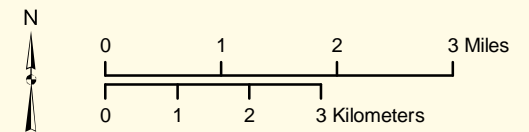




Liberty Grove


Door County June 2011

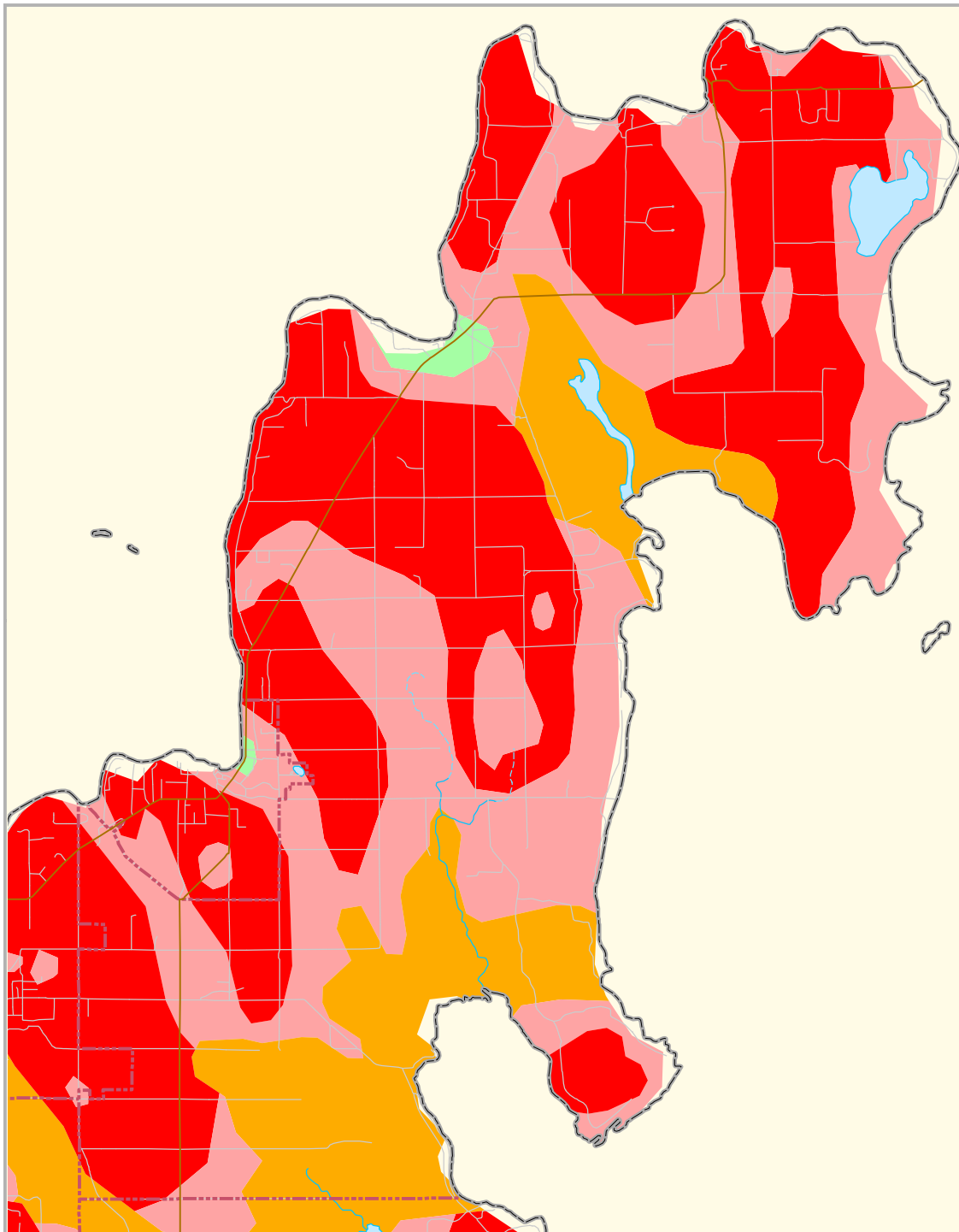
-  Streams
-  Lakes/Reservoirs
-  Wetlands
-  State/US Highways
-  Other Roads
-  Town Boundaries
-  Municipalities



Door County

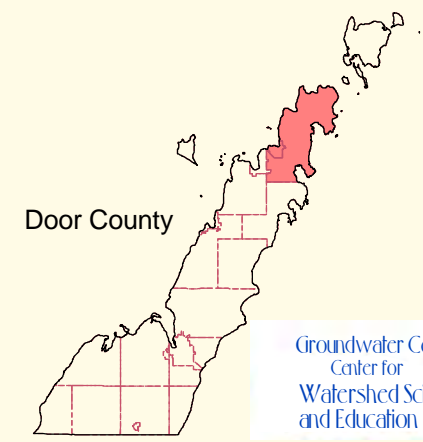
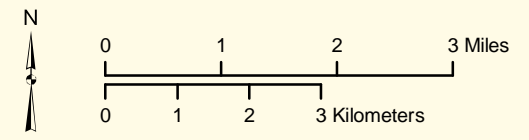
Groundwater Center
Center for
Watershed Science
and Education

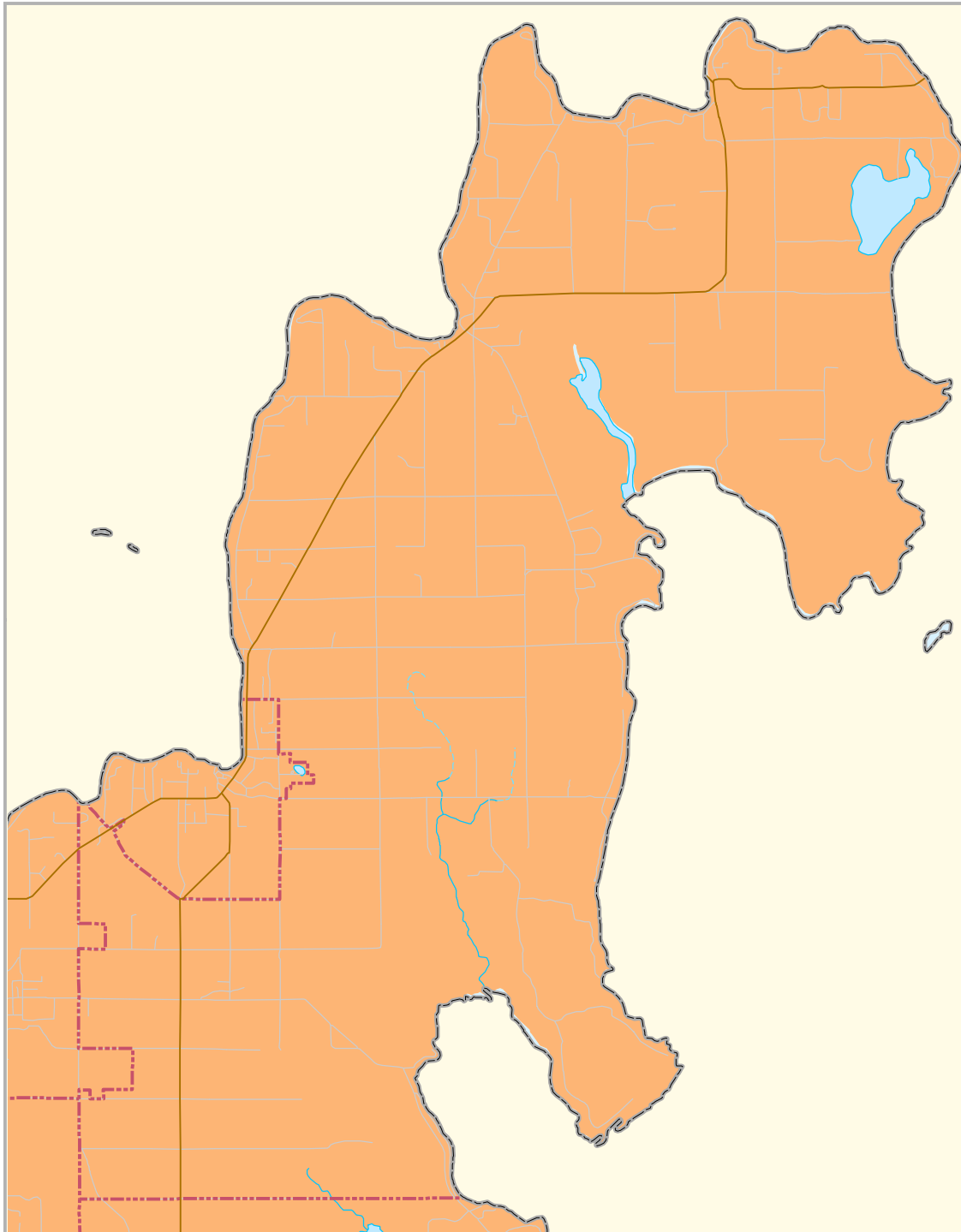





Liberty Grove
Door County June 2011

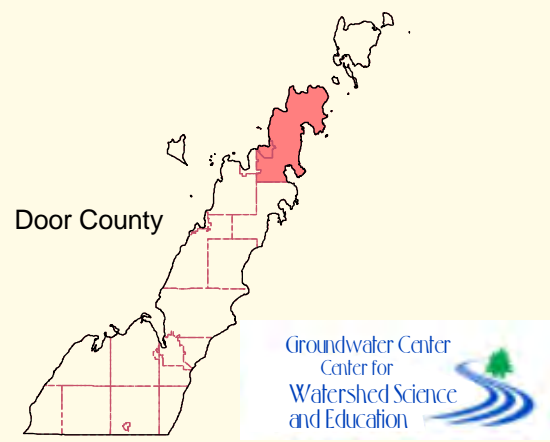
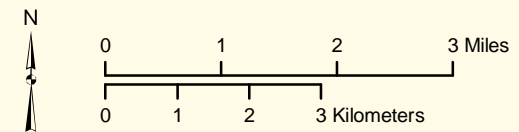
- Depth to Bedrock:**
- within 5 ft - more than 70% of area
 - within 5 ft - 35 to 70% of area
 - 5 to 50 ft
 - 50 to 100 ft
 - greater than 100 ft

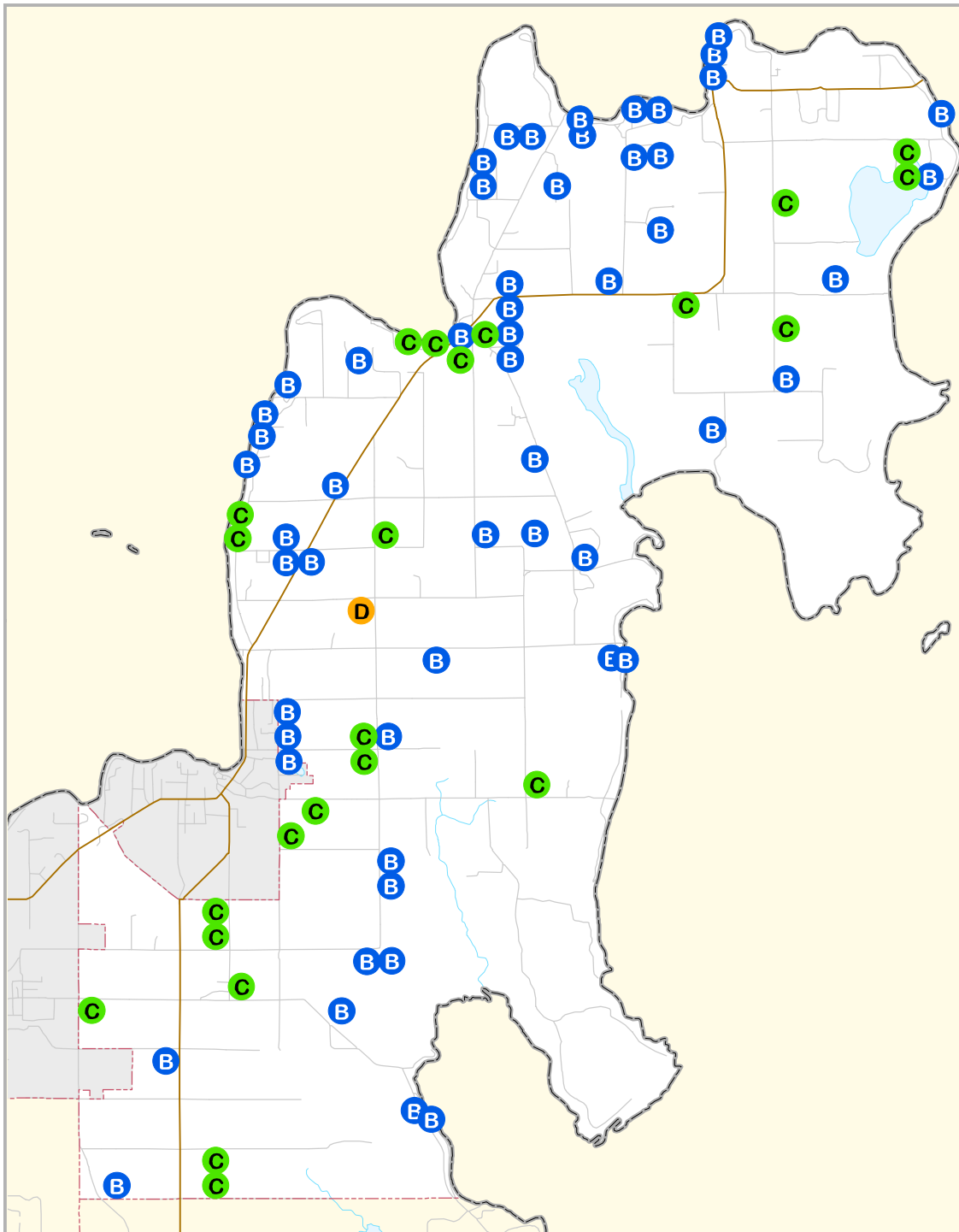




Liberty Grove
Door County June 2011

Bedrock:
 Silurian dolomite





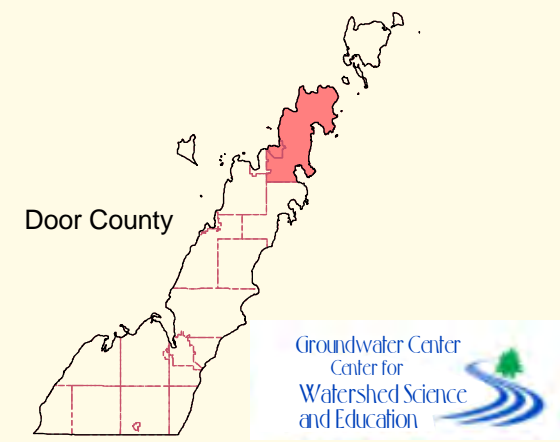
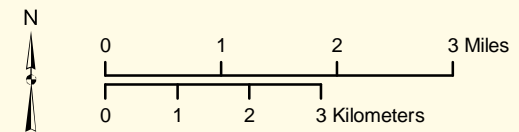
Liberty Grove

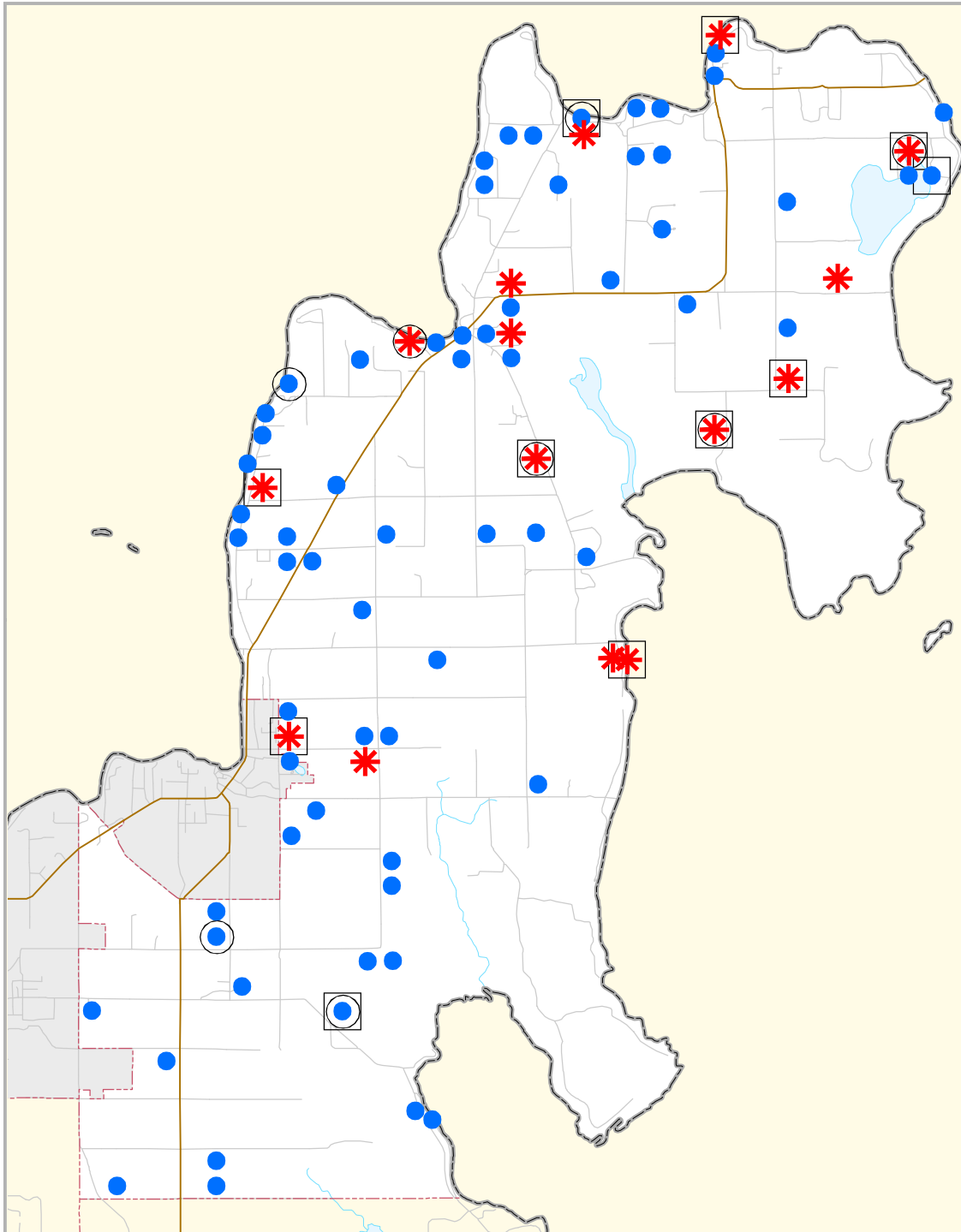
Door County June 2011

CHLORIDE (ppm)

| | | | |
|---|---------------|----|------|
| A | None Detected | 0 | 0 % |
| B | ... 10 | 61 | 70 % |
| C | 11 - 50 | 25 | 29 % |
| D | 51 - 100 | 1 | 1 % |
| E | 101 - 200 | 0 | 0 % |
| F | 201 ... | 0 | 0 % |

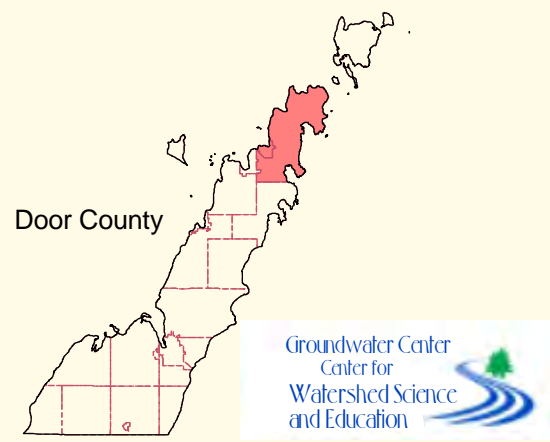
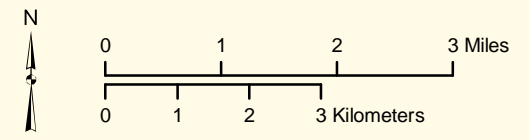
Mapped value is the average unless otherwise indicated.
Treated samples not mapped.

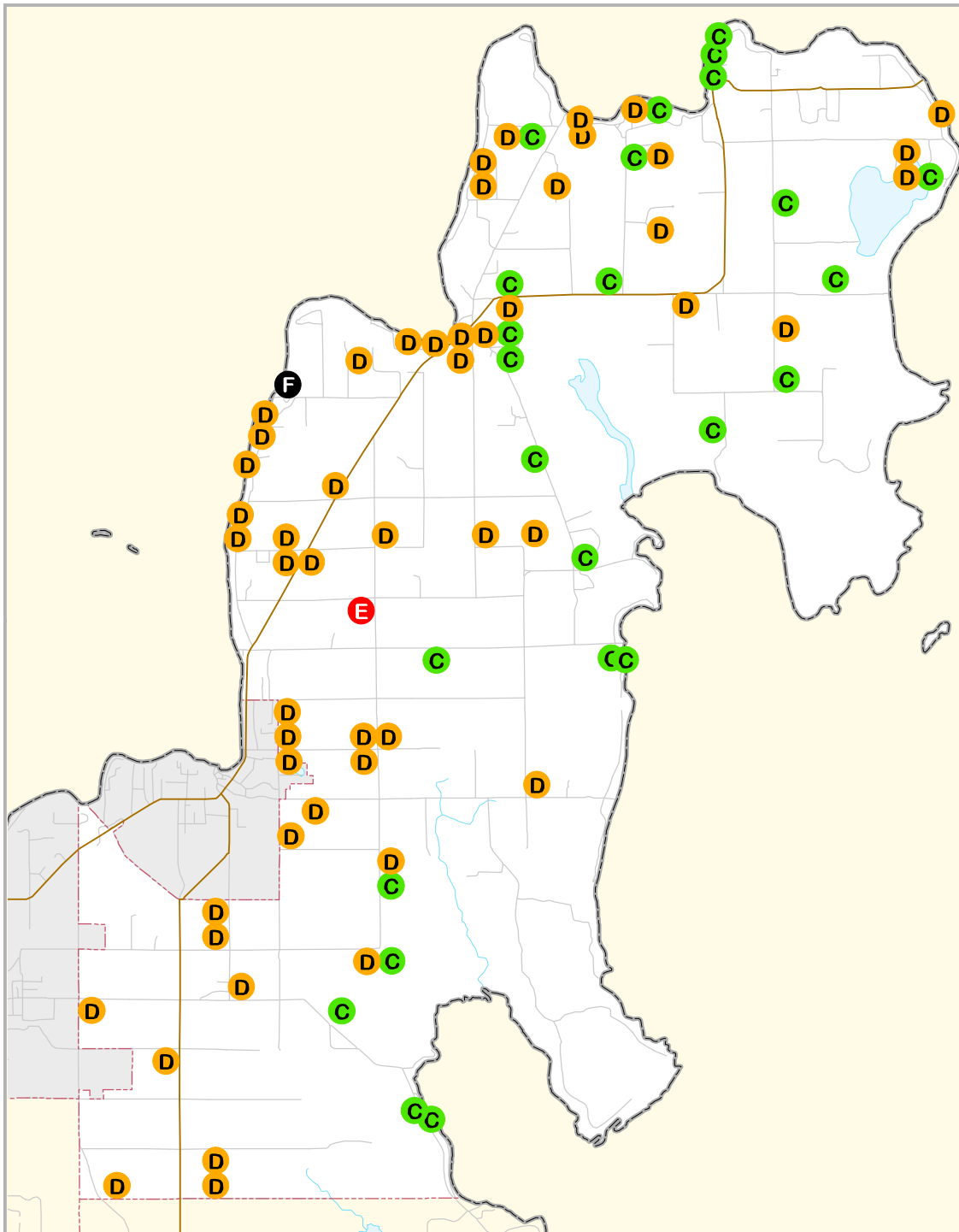




Liberty Grove
Door County June 2011

- * Color Problem
- Odor Problem
- Taste Problem





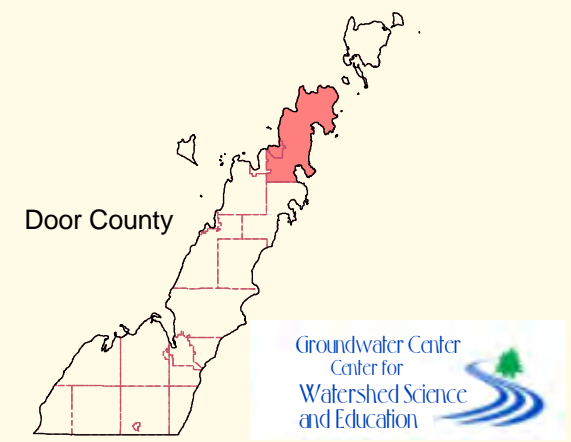
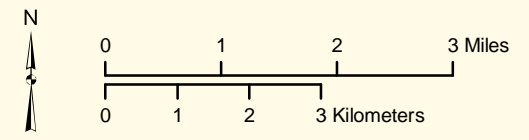
Liberty Grove

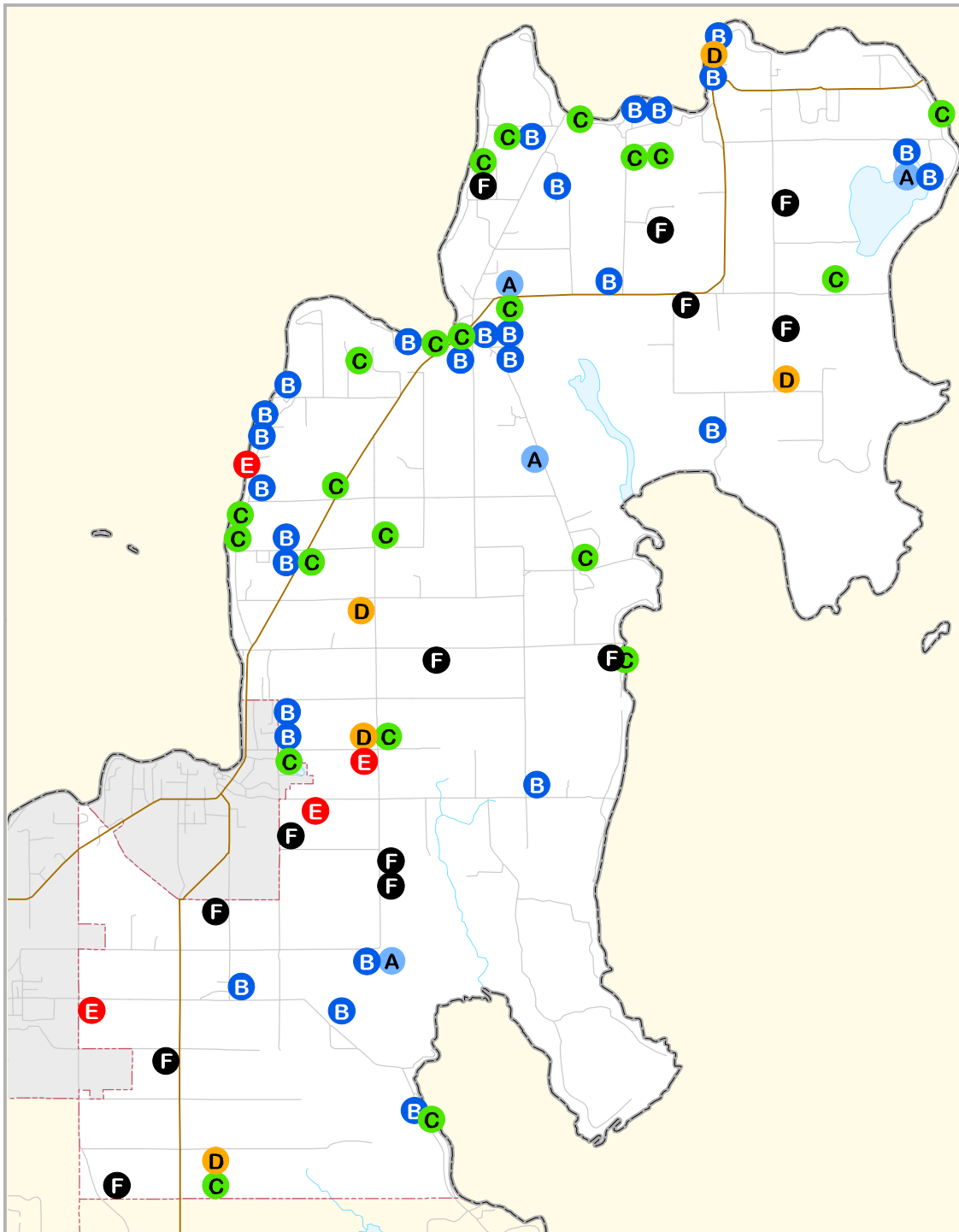
Door County June 2011

CONDUCTIVITY (umhos/cm)

| | | | |
|---|------------|----|------|
| A | ... 100 | 0 | 0 % |
| B | 101 - 250 | 0 | 0 % |
| C | 251 - 500 | 26 | 30 % |
| D | 501 - 750 | 58 | 67 % |
| E | 751 - 1000 | 2 | 2 % |
| F | 1001 ... | 1 | 1 % |

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





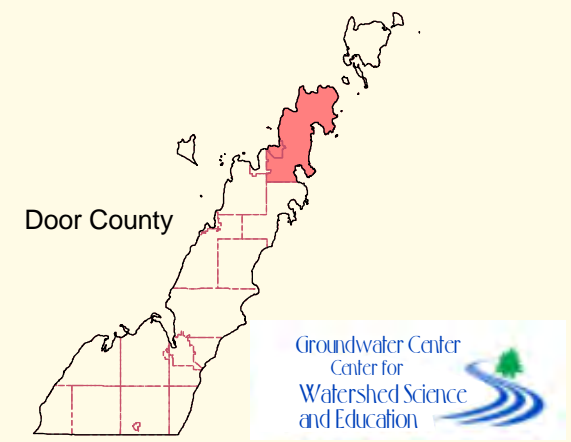
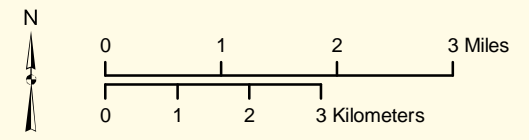
Liberty Grove

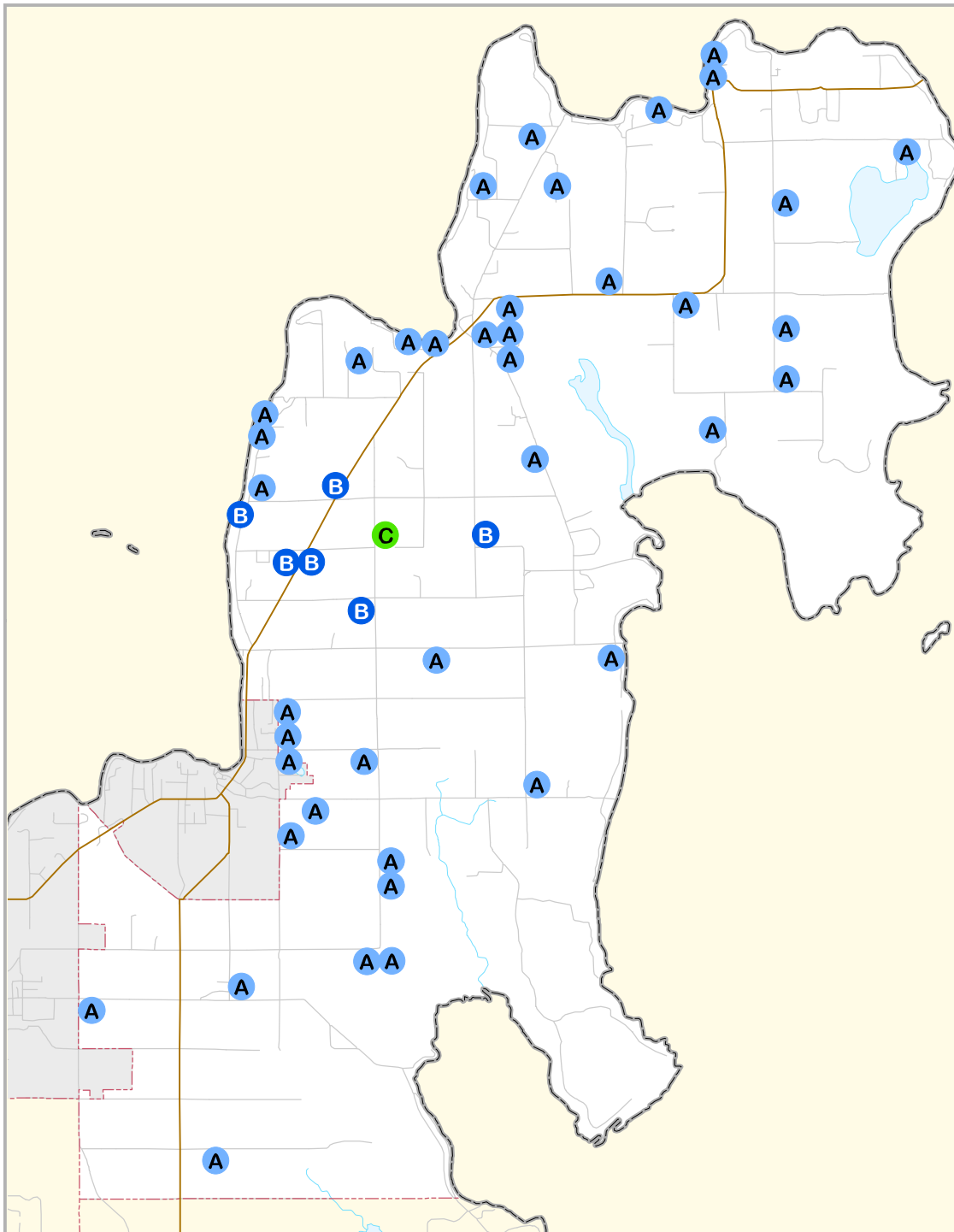
Door County June 2011

COPPER (mg/l)

| | | | |
|---|---------------|----|------|
| A | None Detected | 5 | 6 % |
| B | ... 0.130 | 32 | 39 % |
| C | 0.131 - 0.500 | 23 | 28 % |
| D | 0.501 - 0.900 | 5 | 6 % |
| E | 0.901 - 1.300 | 5 | 6 % |
| F | 1.301 ... | 13 | 16 % |

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





Liberty Grove

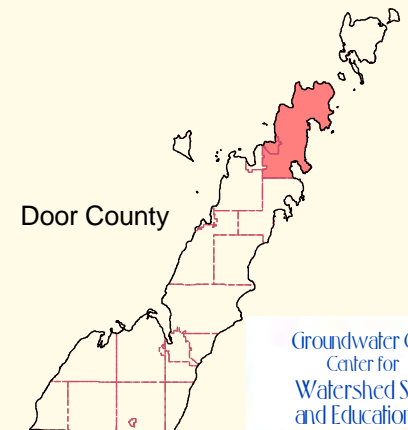
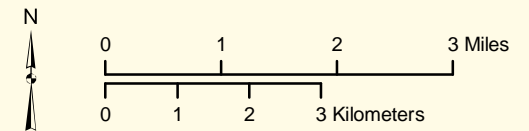
Door County June 2011

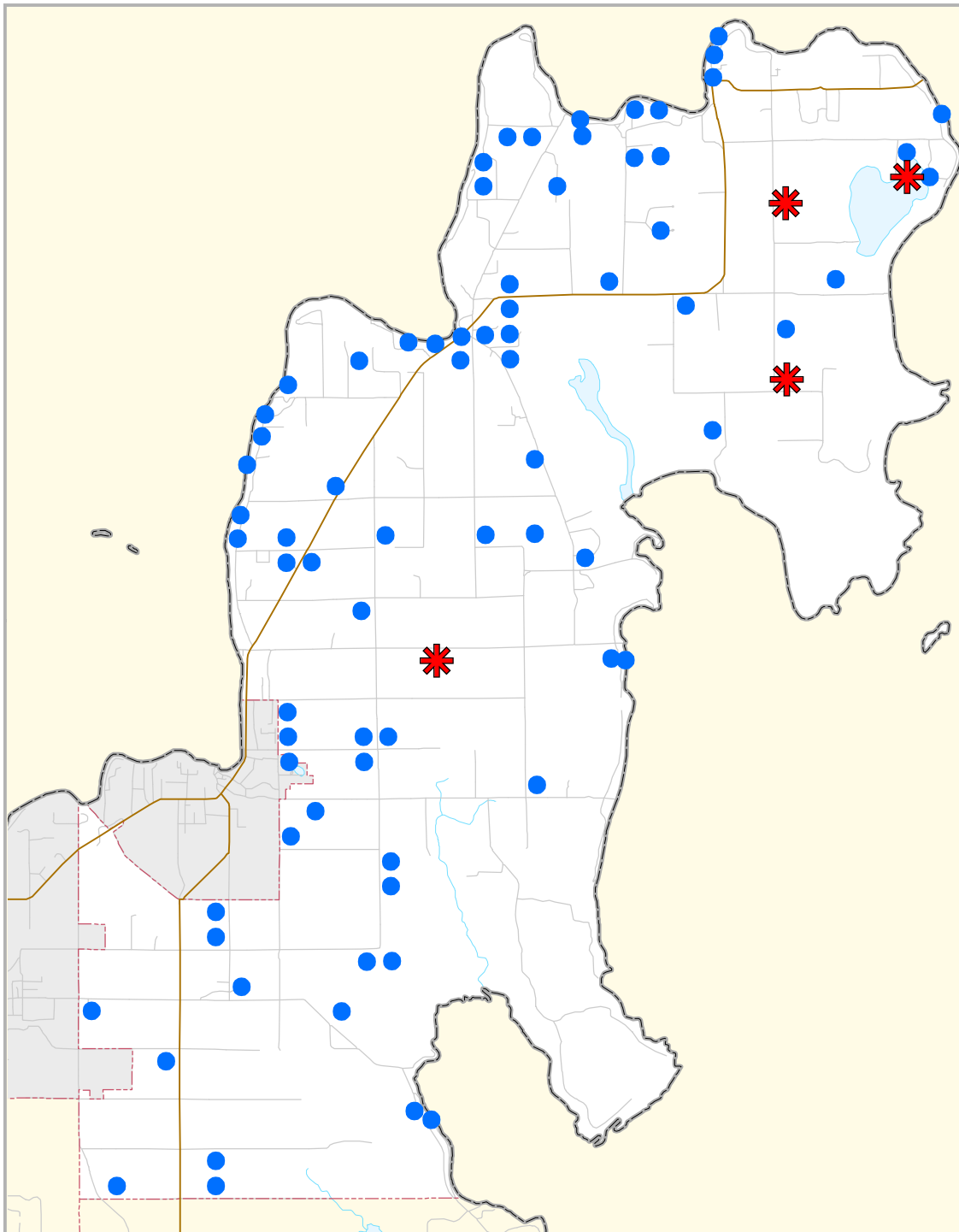
DACT (ug/l)

Maximum value for the 1/4 1/4 section.

| | | | |
|----------|----------------------|-----------|-------------|
| A | None Detected | 40 | 85 % |
| B | ... 0.3 | 6 | 13 % |
| C | 0.4 - 1.0 | 1 | 2 % |
| D | 1.1 - 2.0 | 0 | 0 % |
| E | 2.1 - 3.0 | 0 | 0 % |
| F | 3.1 ... | 0 | 0 % |

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



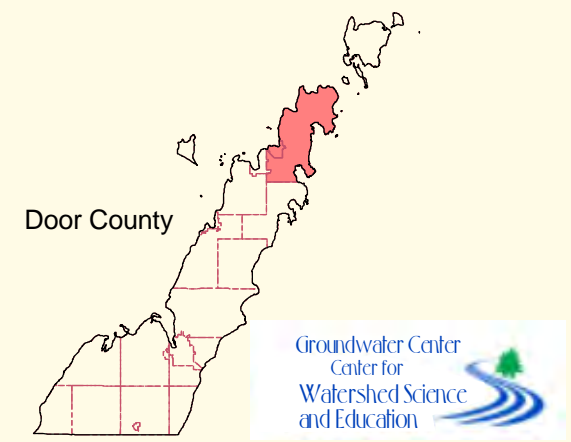
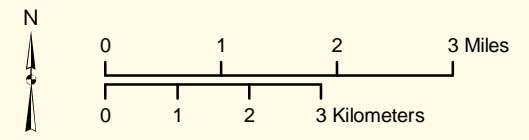


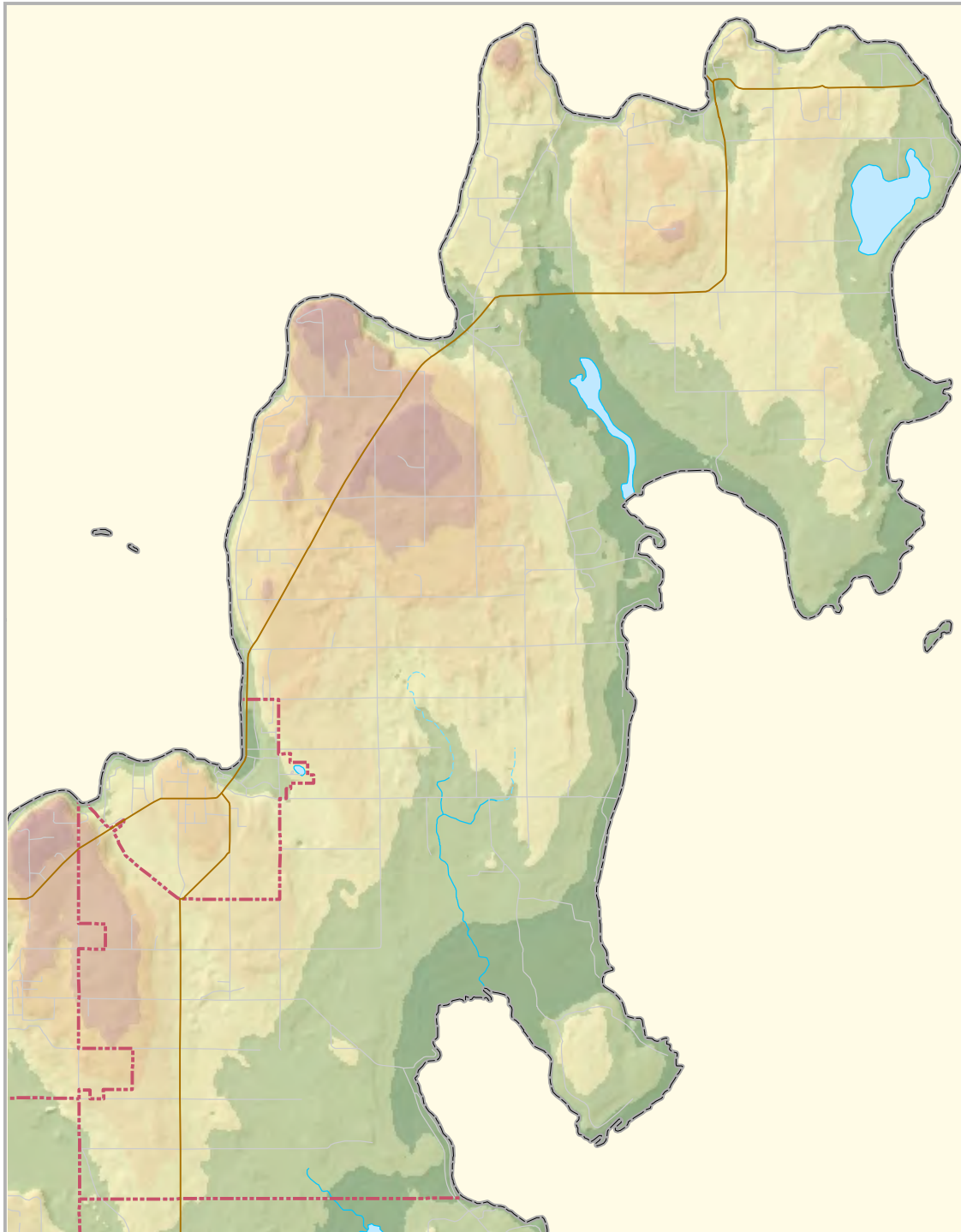
Liberty Grove

Door County June 2011

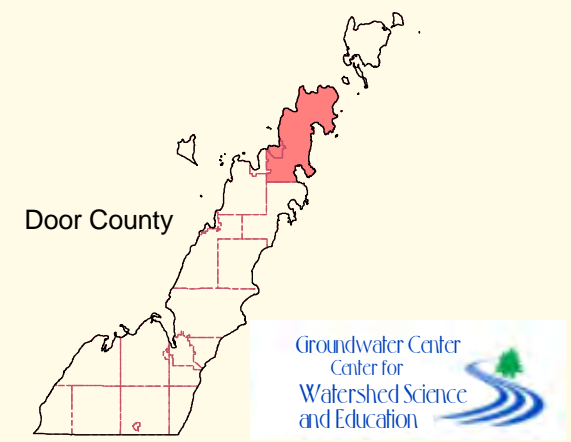
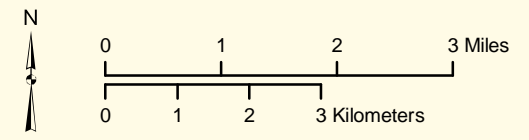
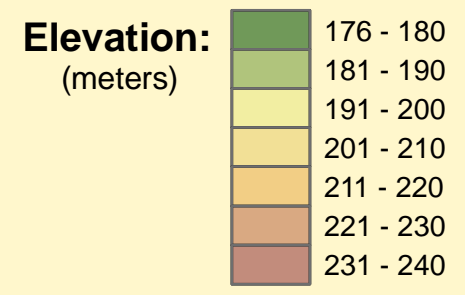
*** E. coli POSITIVE**
Any sample in the 1/4 1/4 section.

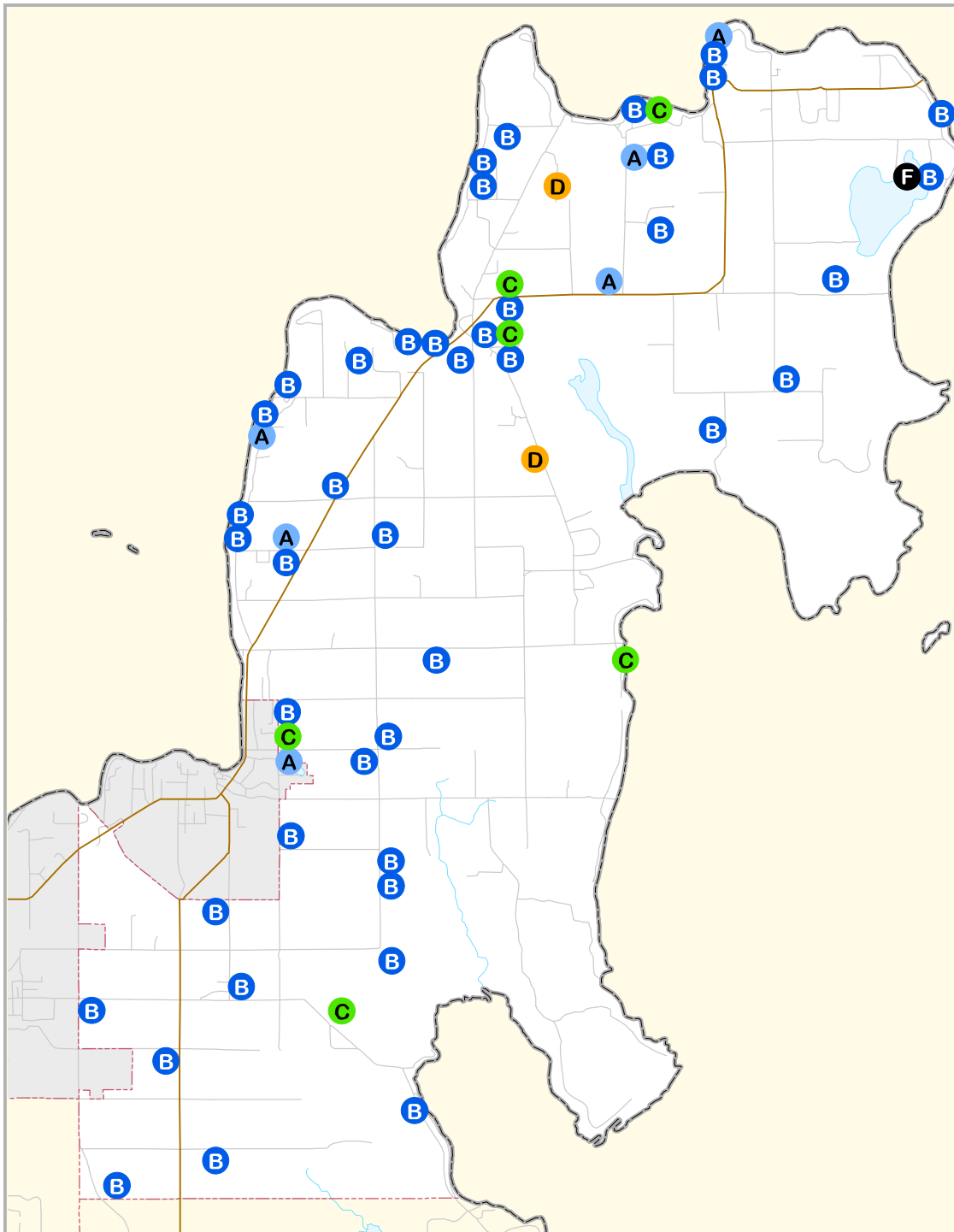
Mapped value is the average unless otherwise indicated.
Treated samples not mapped.





Liberty Grove
Door County June 2011





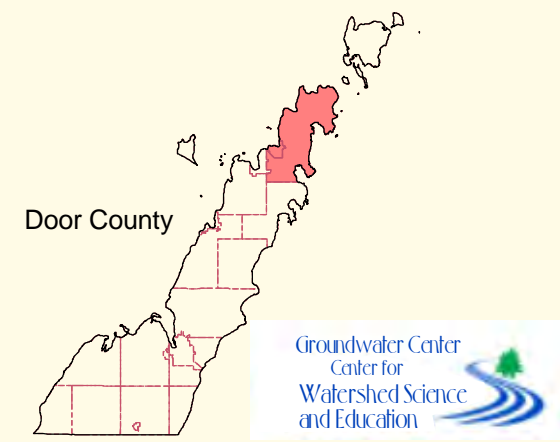
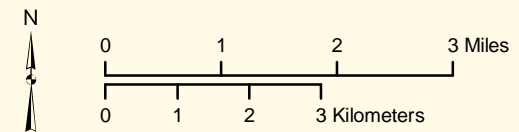
Liberty Grove

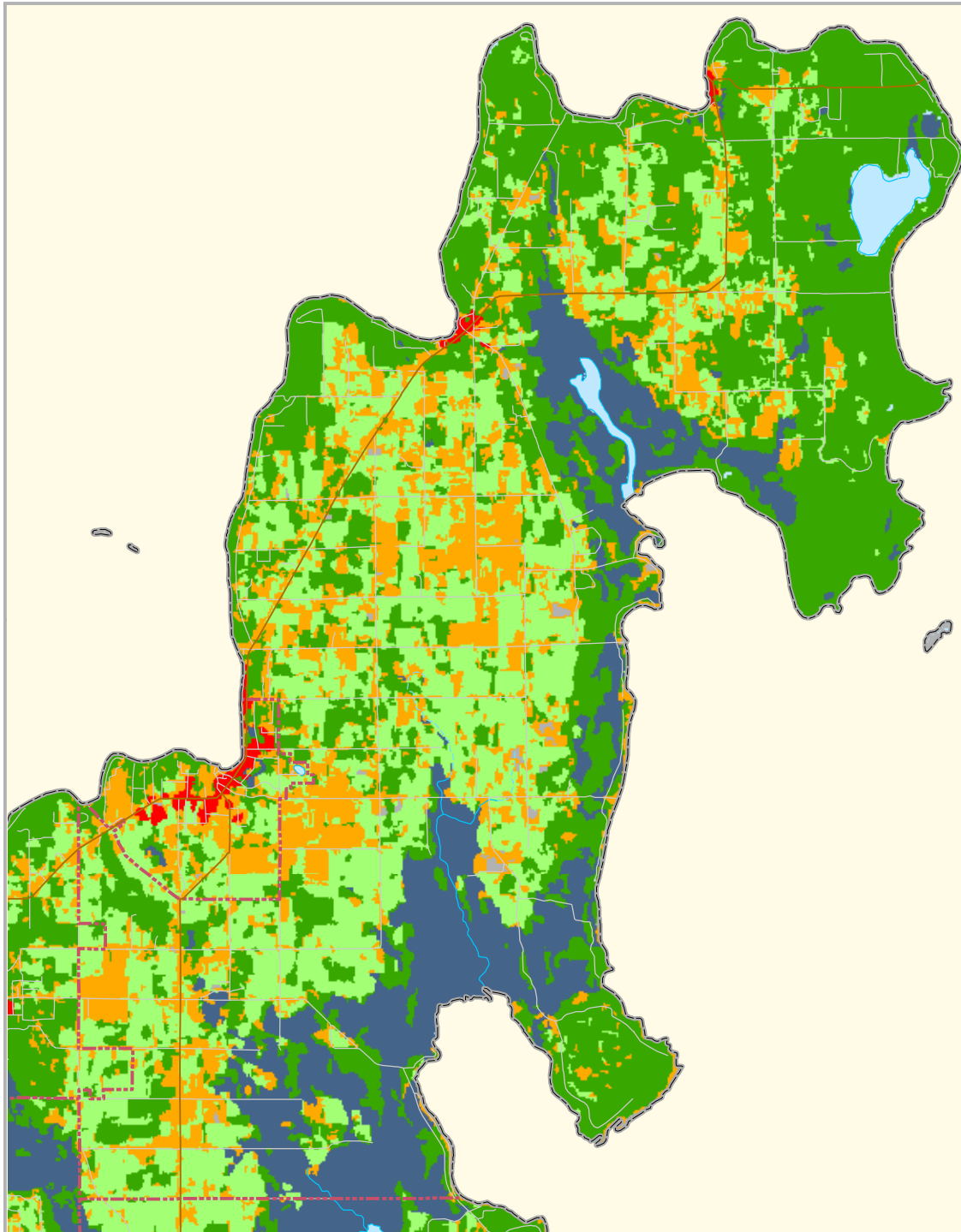
Door County June 2011

IRON (mg/l)

| | | | |
|----------|---------------|----|------|
| A | None Detected | 8 | 10 % |
| B | ... 0.300 | 64 | 77 % |
| C | 0.301 - 1.000 | 6 | 7 % |
| D | 1.001 - 2.000 | 3 | 4 % |
| E | 2.001 - 5.000 | 1 | 1 % |
| F | 5.001 ... | 1 | 1 % |

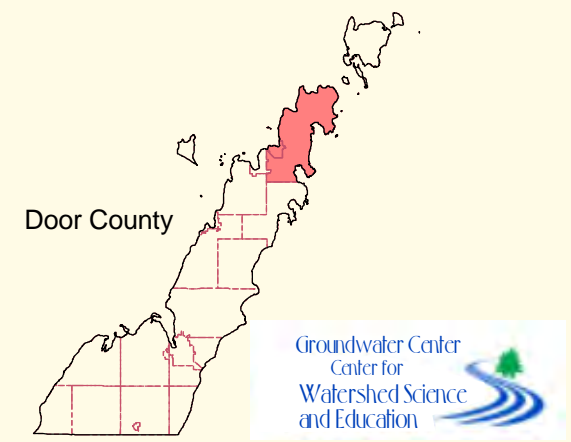
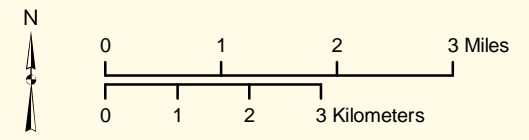
Mapped value is the average unless otherwise indicated.
Treated samples not mapped.

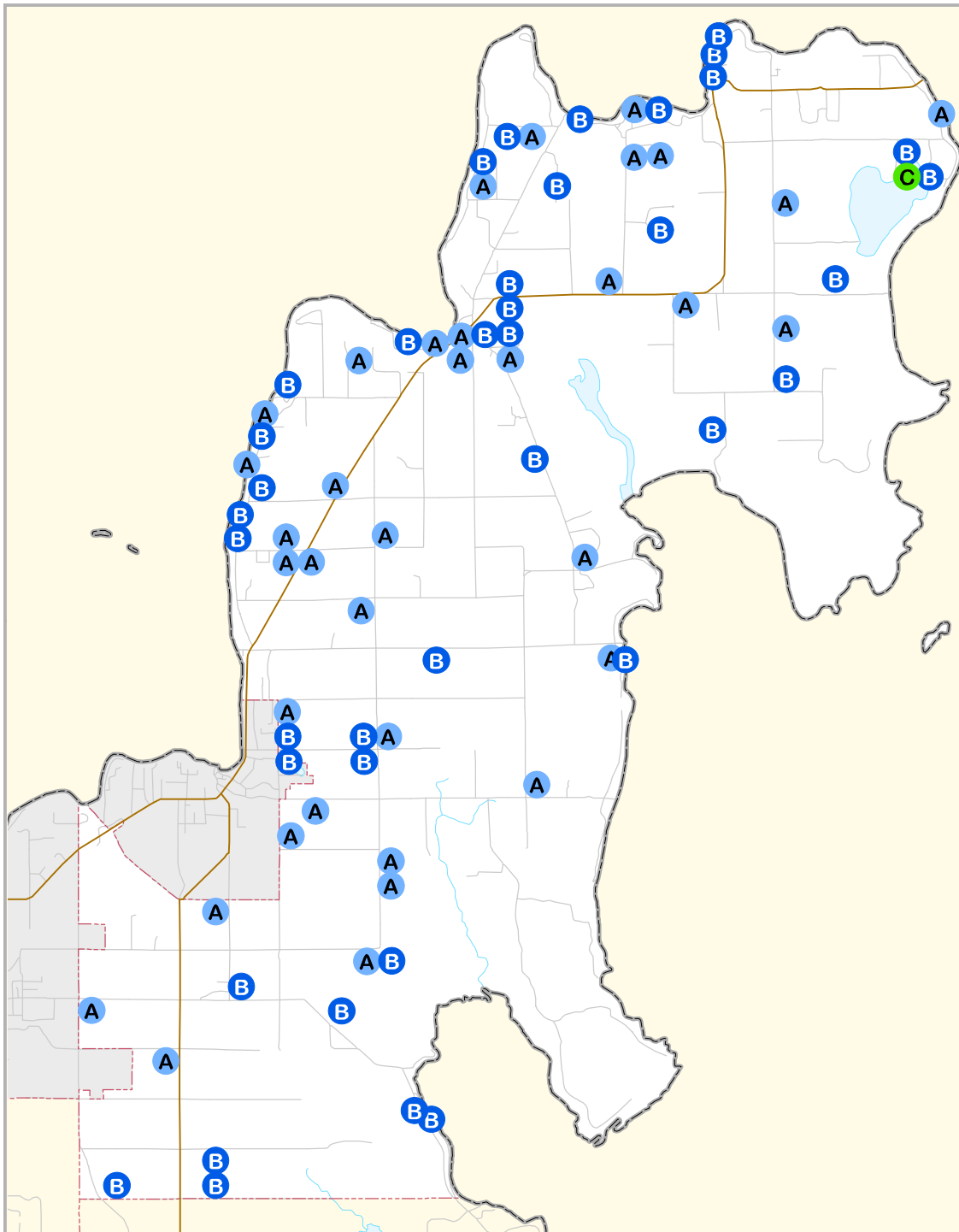




Liberty Grove
Door County June 2011

- Land Use:**
- Urban
 - Agriculture
 - Forest
 - Shrub-Grass
 - Wetland
 - Water
 - Other





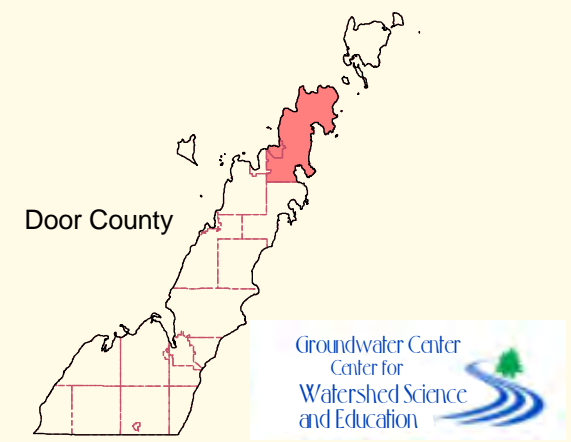
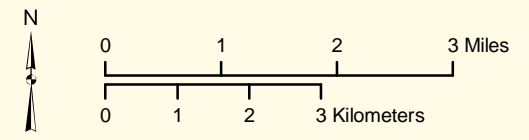
Liberty Grove

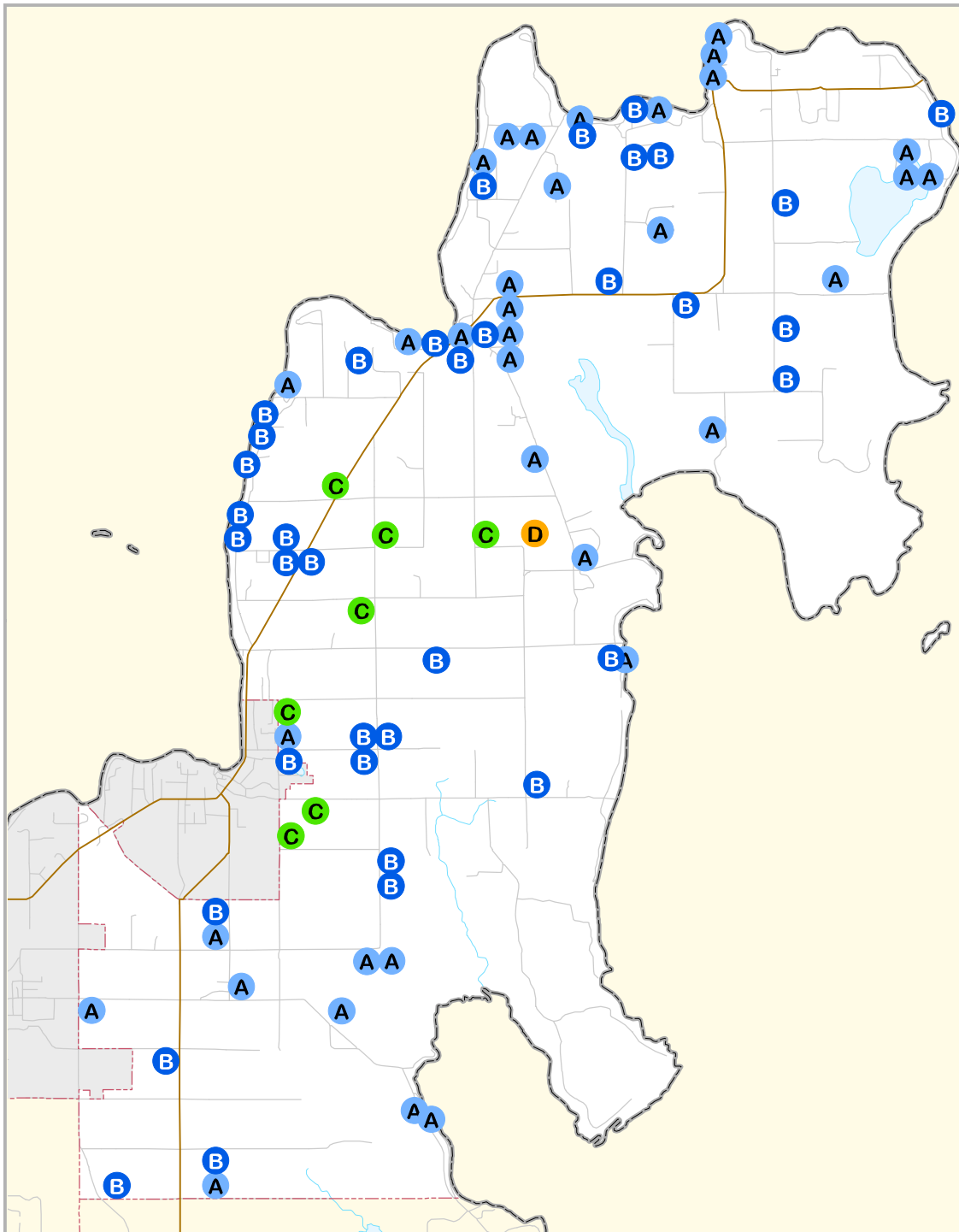
Door County June 2011

MANGANESE (mg/l)

| | | | |
|---|---------------|----|------|
| A | None Detected | 41 | 49 % |
| B | ... 0.050 | 41 | 49 % |
| C | 0.051 - 0.200 | 1 | 1 % |
| D | 0.201 - 0.500 | 0 | 0 % |
| E | 0.501 - 1.000 | 0 | 0 % |
| F | 1.001 ... | 0 | 0 % |

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





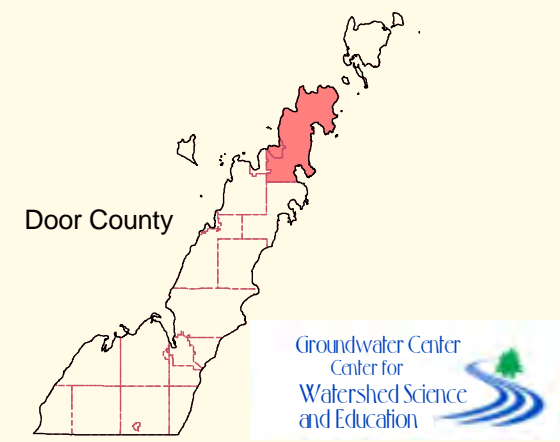
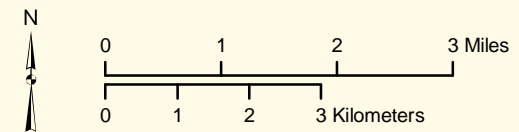
Liberty Grove

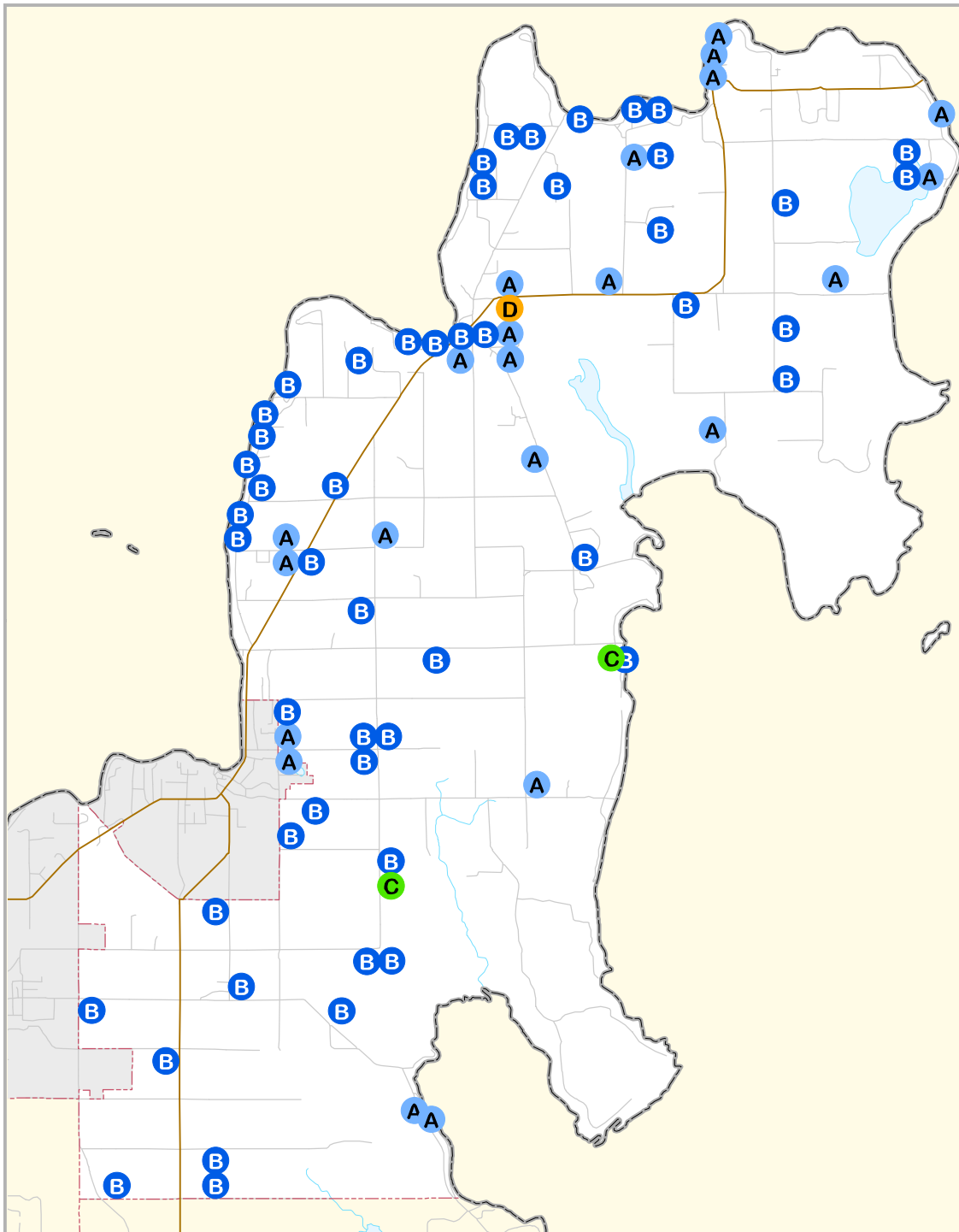
Door County June 2011

NITRATE-NITRITE (ppm N)

| | | | |
|---|---------------|----|------|
| A | None Detected | 40 | 46 % |
| B | ... 2.0 | 39 | 45 % |
| C | 2.1 - 5.0 | 7 | 8 % |
| D | 5.1 - 10.0 | 1 | 1 % |
| E | 10.1 - 20.0 | 0 | 0 % |
| F | 20.1 ... | 0 | 0 % |

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





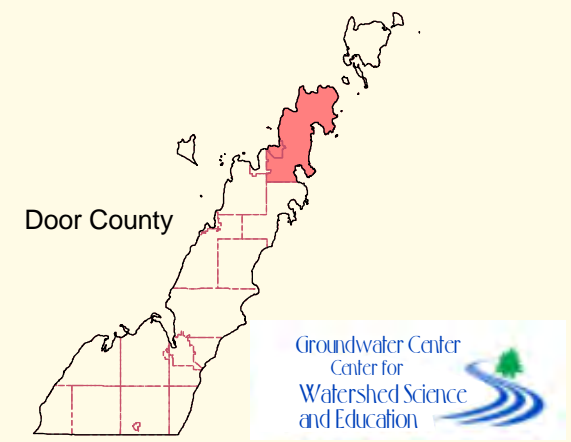
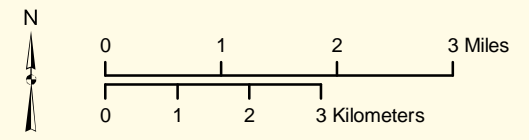
Liberty Grove

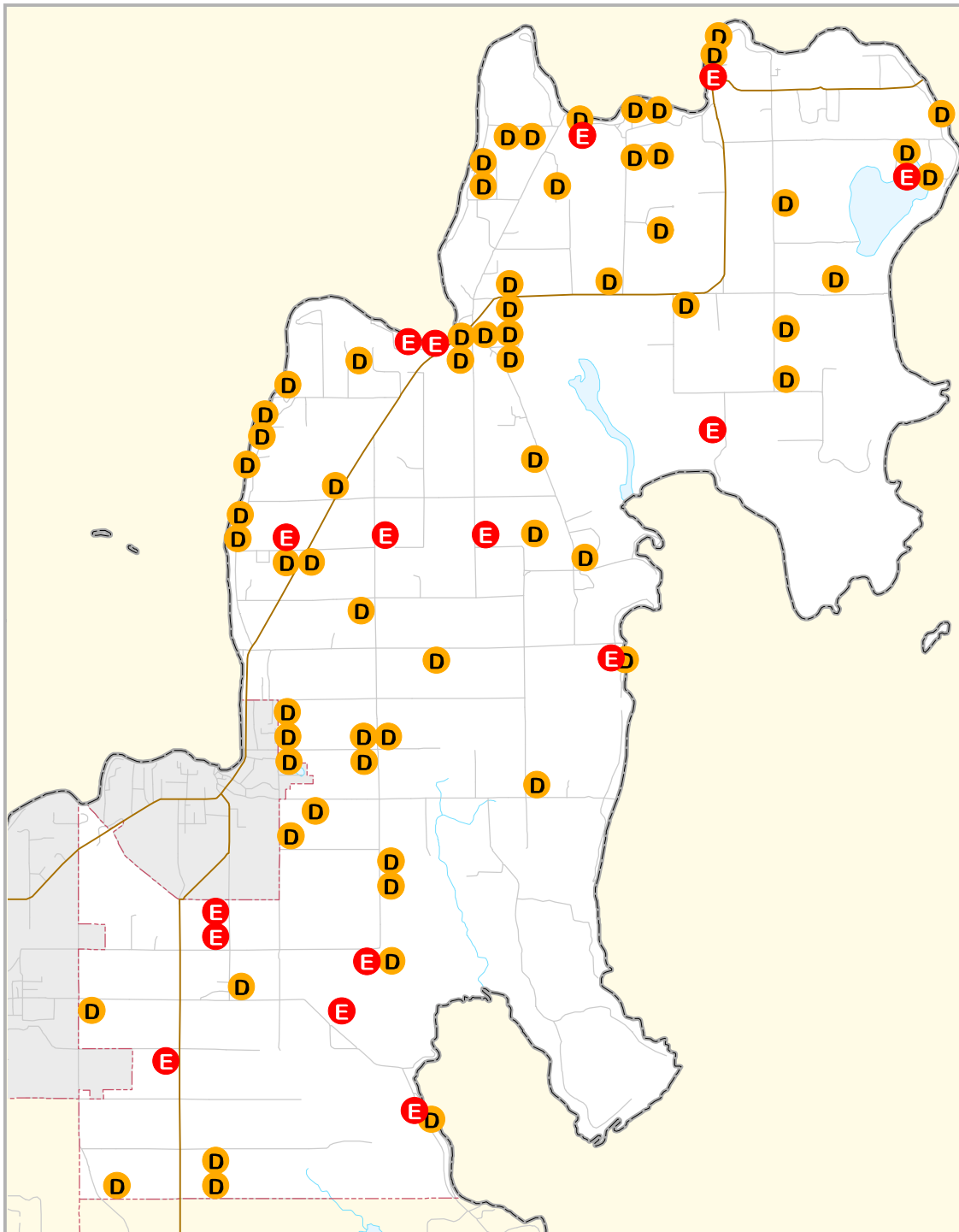
Door County June 2011

LEAD (mg/l)

| | | | |
|---|---------------|----|------|
| A | None Detected | 25 | 30 % |
| B | ... 0.015 | 54 | 65 % |
| C | 0.016 - 0.025 | 2 | 2 % |
| D | 0.026 - 0.050 | 1 | 1 % |
| E | 0.051 - 0.100 | 0 | 0 % |
| F | 0.101 ... | 1 | 1 % |

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





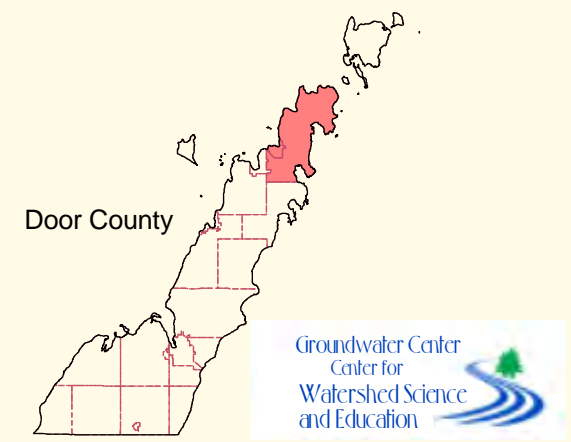
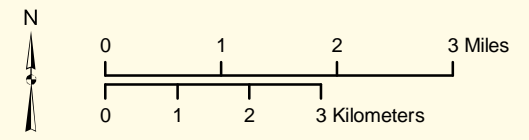
Liberty Grove

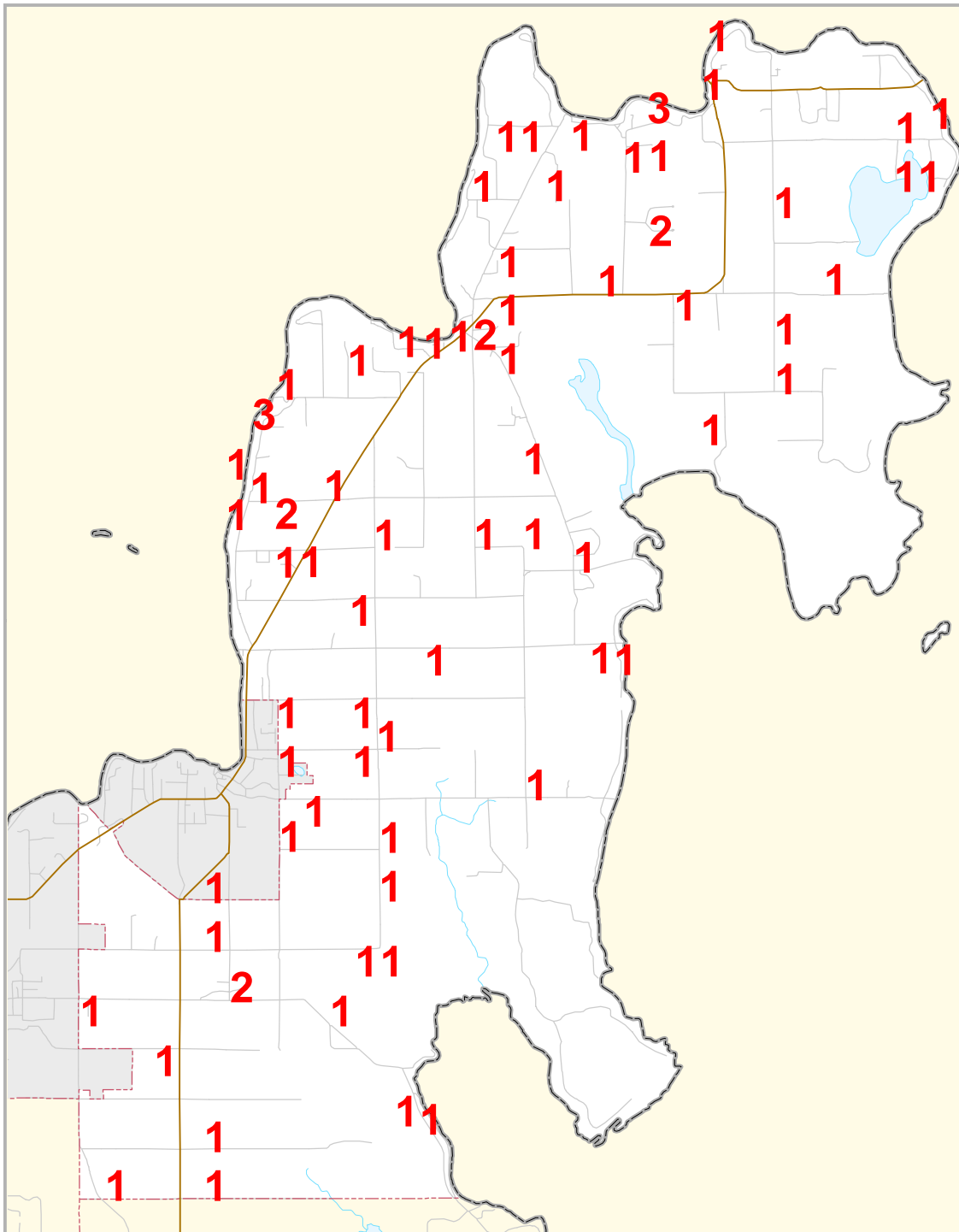
Door County June 2011

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 | 67 | 77% |
| E | 8.01 - 9.00 | 20 | 23% |
| F | 9.01 ... | 0 | 0% |

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

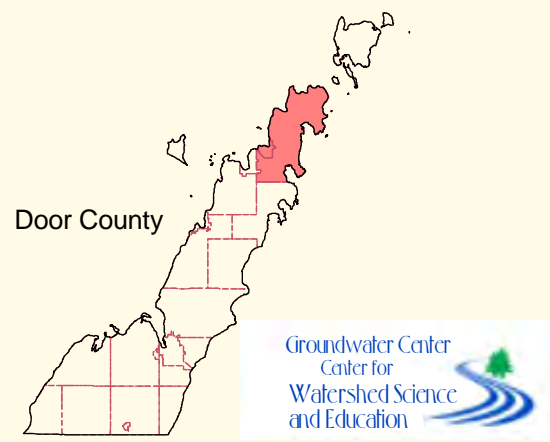
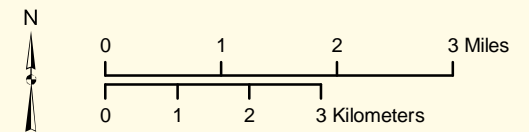


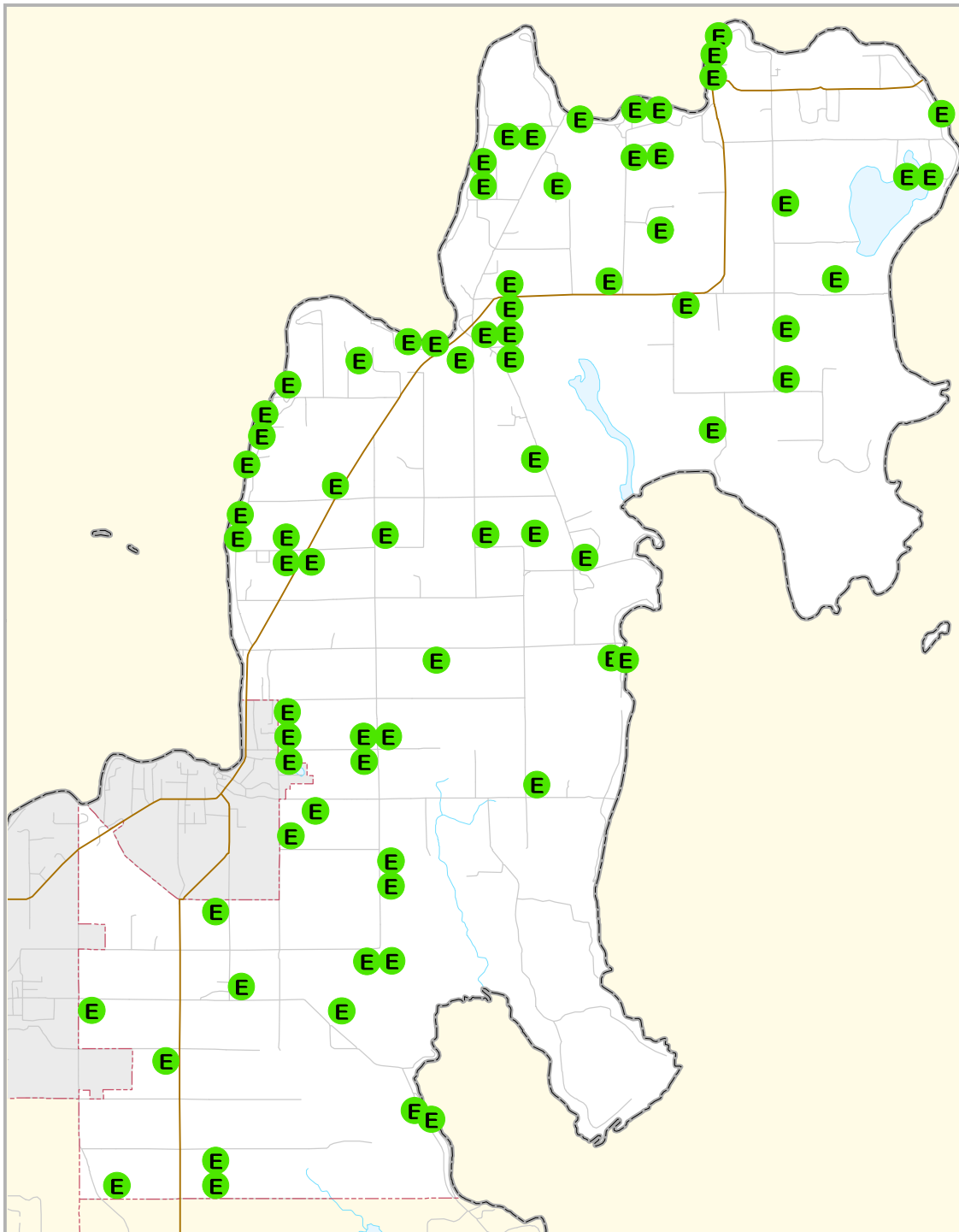


Liberty Grove
Door County June 2011

SAMPLE DISTRIBUTION
NUMBER OF SAMPLES
per 1/4 1/4 SECTION

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





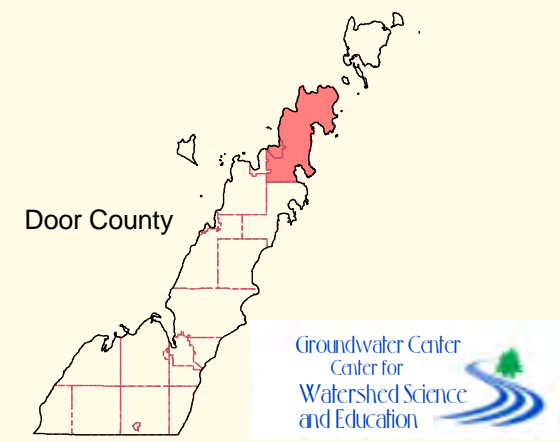
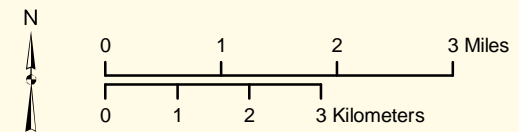
Liberty Grove

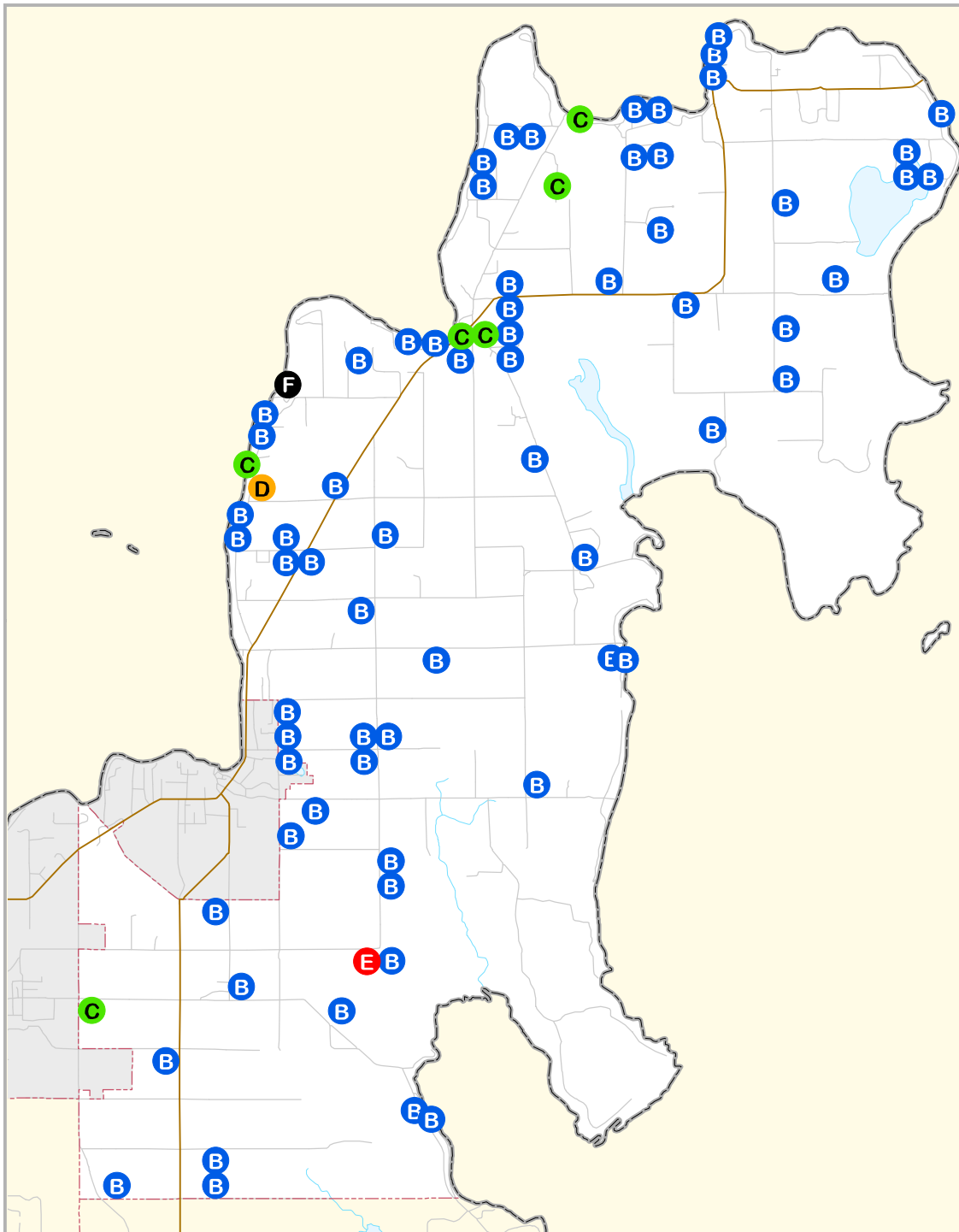
Door County June 2011

SI (Saturation Index)

| | | | |
|----------|-------------|----|-----|
| A | ... -3.0 | 0 | 0% |
| B | -2.9 - -2.0 | 0 | 0% |
| C | -1.9 - -1.0 | 5 | 6% |
| D | -0.9 - 0.0 | 2 | 2% |
| E | 0.1 - 1.0 | 80 | 92% |
| F | 1.1 ... | 0 | 0% |

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





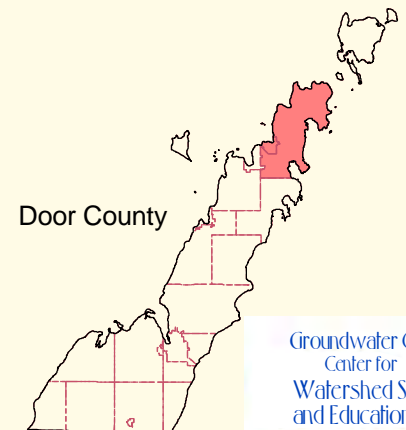
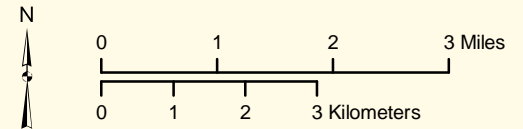
Liberty Grove

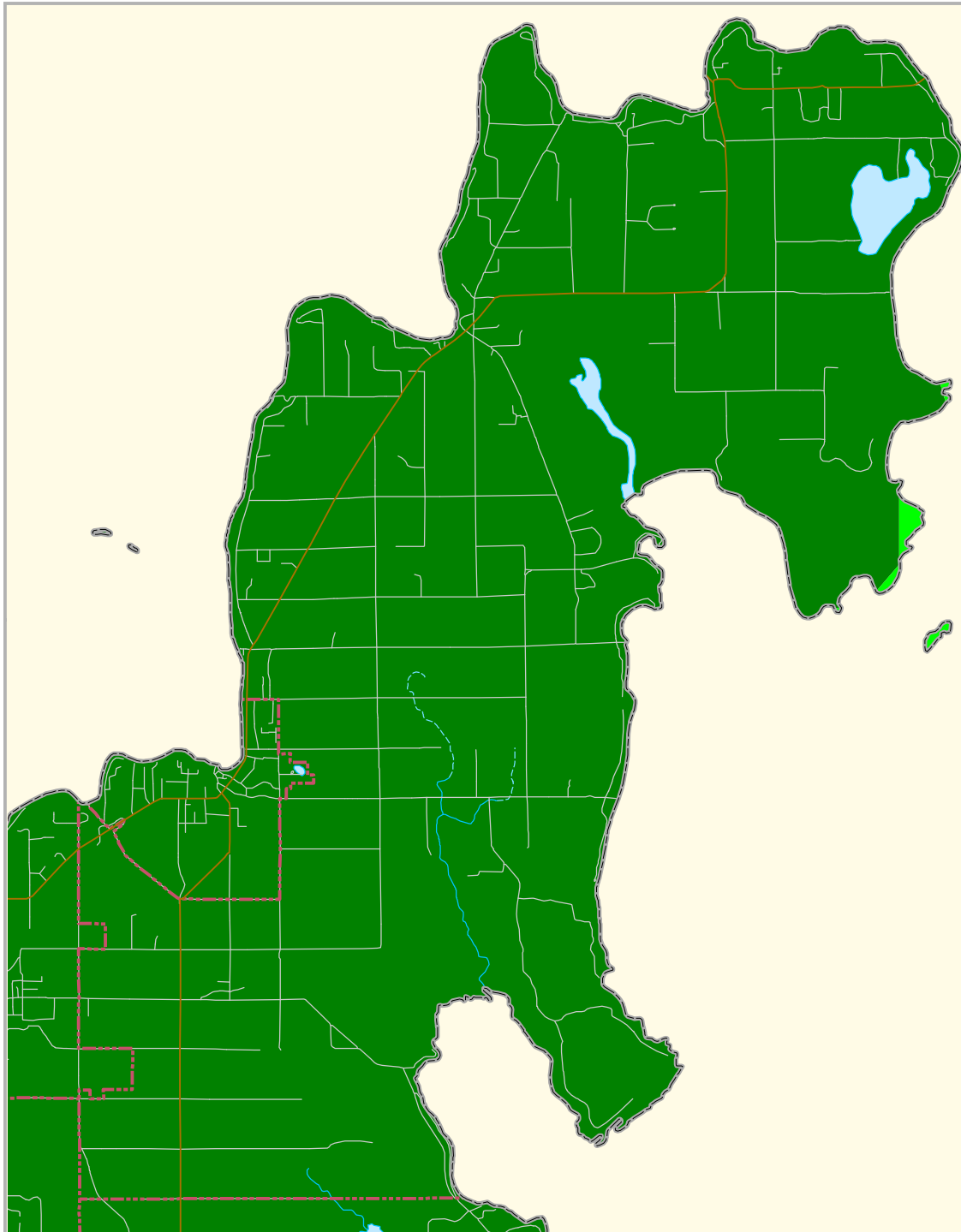
Door County June 2011

SULFATE (mg/l)






| | | | |
|----------|---------------|----|------|
| A | None Detected | 0 | 0 % |
| B | ...25 | 73 | 88 % |
| C | 26 - 50 | 7 | 8 % |
| D | 51 - 75 | 1 | 1 % |
| E | 76 - 100 | 1 | 1 % |
| F | 101 ... | 1 | 1 % |

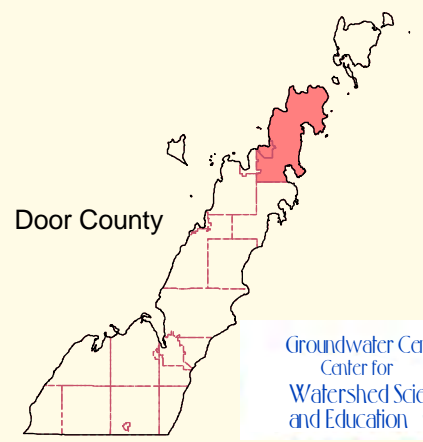
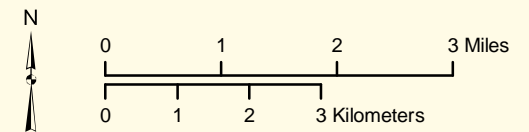
Mapped value is the average unless otherwise indicated.
Treated samples not mapped.

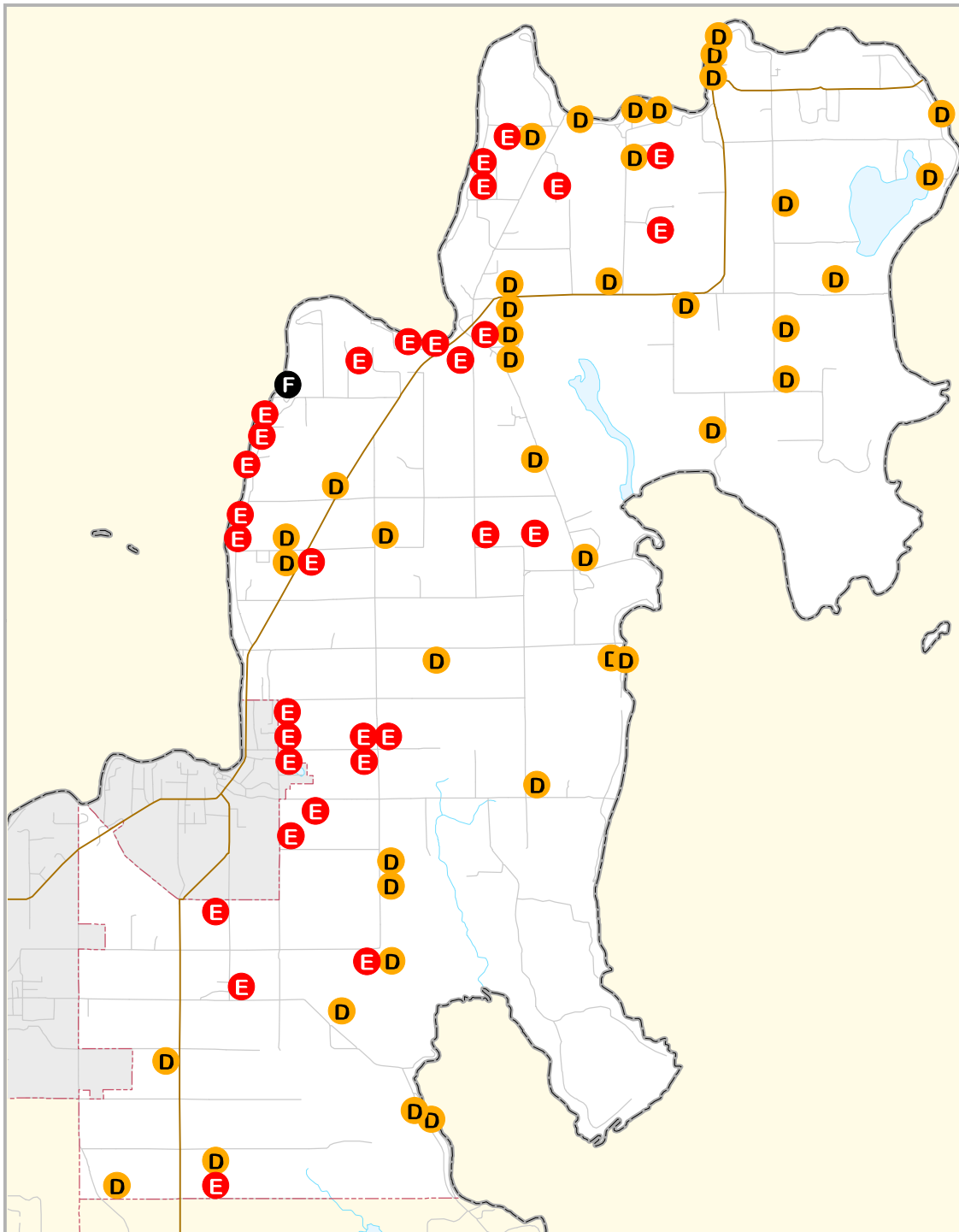




Liberty Grove
Door County June 2011

- Surficial Deposits:**
-  Sand & Gravel
 -  Sand
 -  Peat
 -  Loam
 -  Clay





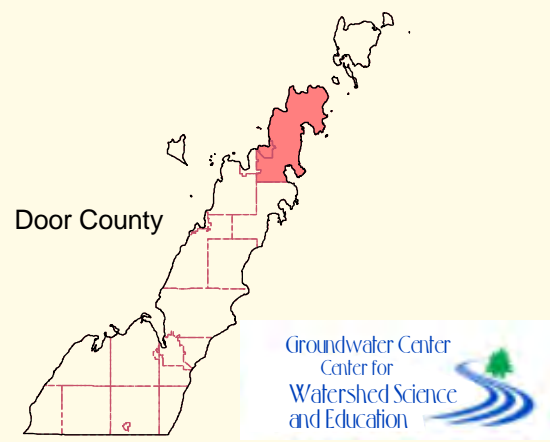
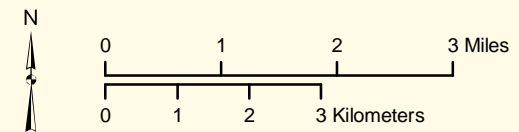
Liberty Grove

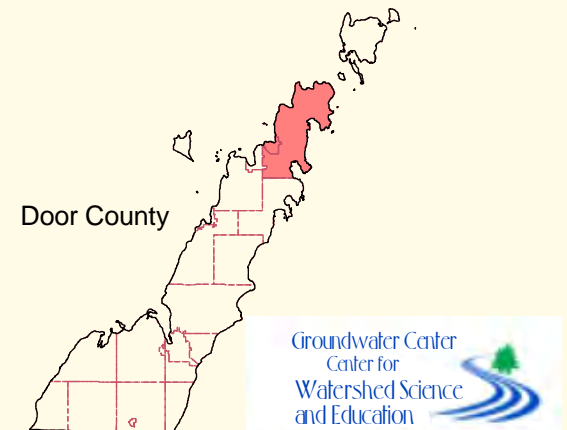
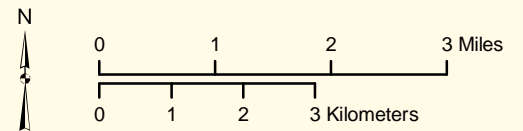
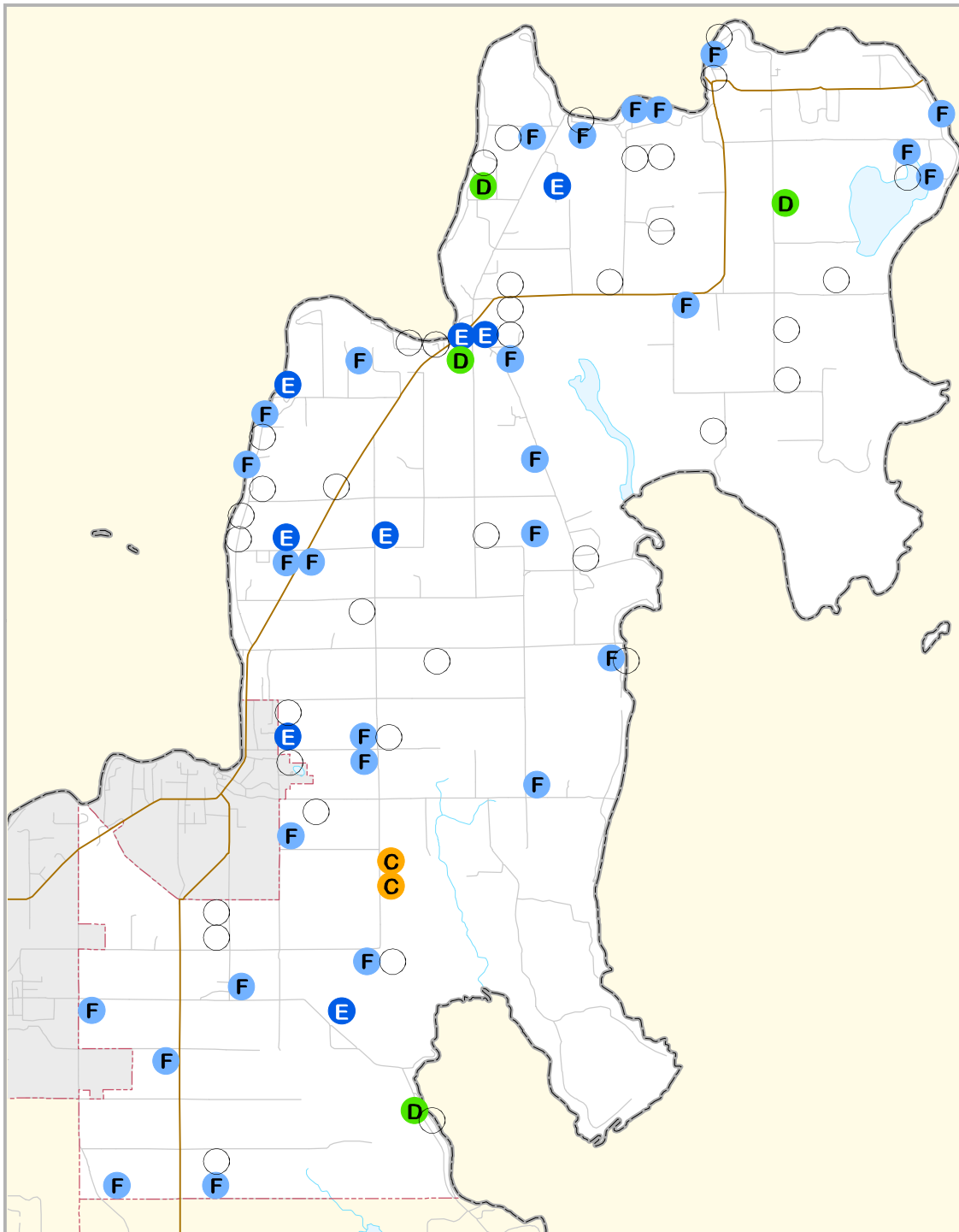
Door County June 2011

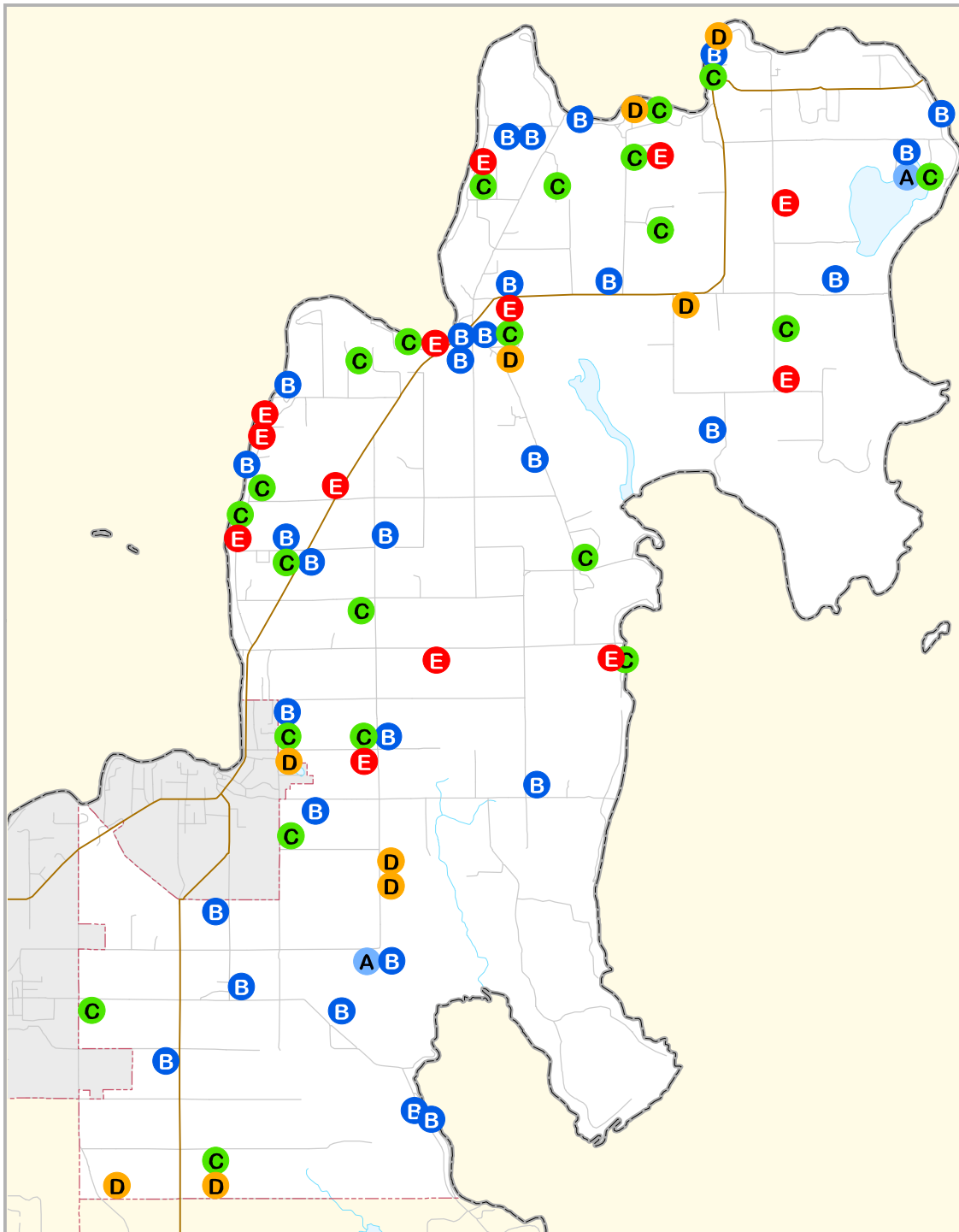
TOTAL HARDNESS (ppm CaCO₃)

| | | | |
|---|-----------|----|-----|
| A | ... 50 | 9 | 10% |
| B | 51 - 100 | 0 | 0% |
| C | 101 - 200 | 0 | 0% |
| D | 201 - 300 | 42 | 48% |
| E | 301 - 400 | 35 | 40% |
| F | 401 ... | 1 | 1% |

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







Liberty Grove

Door County June 2011

ZINC (mg/l)

| | | | |
|---|---------------|----|------|
| A | None Detected | 2 | 2 % |
| B | ... 0.100 | 34 | 41 % |
| C | 0.101 - 0.500 | 22 | 27 % |
| D | 0.501 - 1.000 | 11 | 13 % |
| E | 1.001 - 5.000 | 14 | 17 % |
| F | 5.001 ... | 0 | 0 % |

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

