

Appendix F – Water Quality Charts

Note: The X-axes represent distance along the SR river, from upstream to downstream, and show major features such as sampling sites, urban centers, and lakes. Horizontal lines represent Alberta Surface Water Quality Guidelines for the Protection of Aquatic Life (2014). Samples were taken as per Section 5.1.

2,4,5-T

Open Water Period (Apr–Oct)

Isle Lake

Lac Ste Anne

Onoway

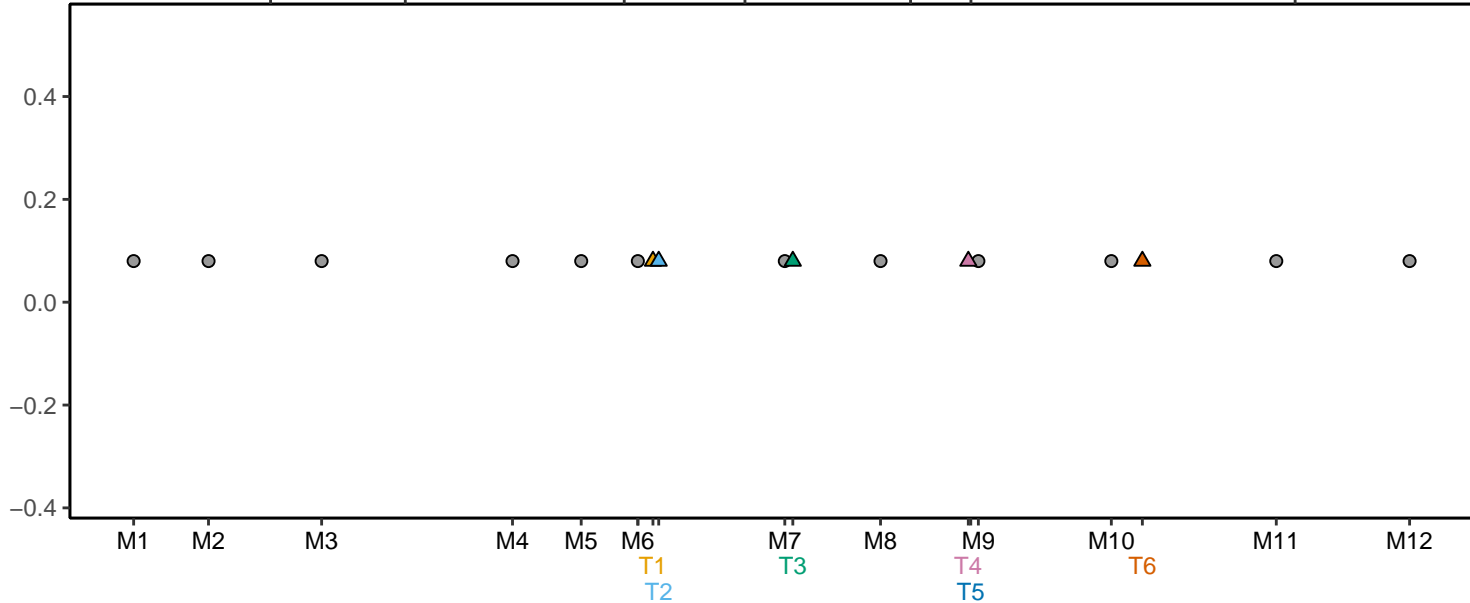
Calahoo

Villeneuve

Big Lake

Gibbons

Concentration (ug/L)



2,4,5-TP

Open Water Period (Apr–Oct)

Isle Lake

Lac Ste Anne

Onoway

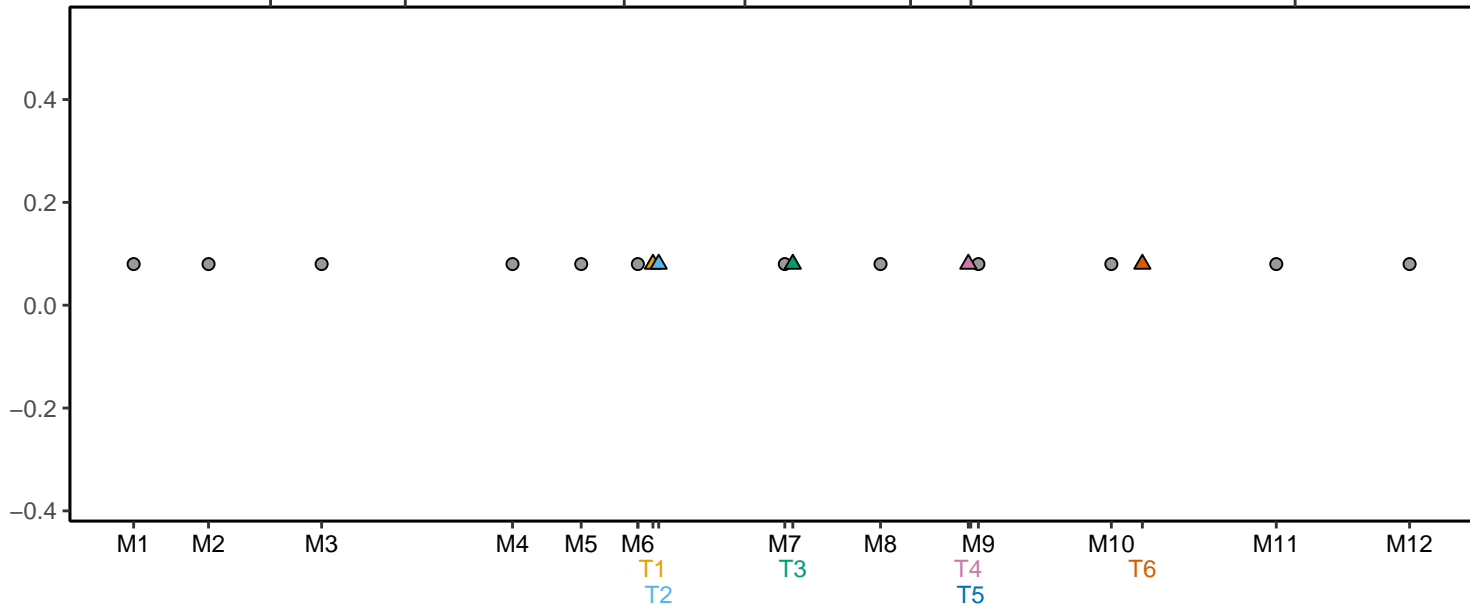
Calahoo

Villeneuve

Big Lake

Gibbons

Concentration (ug/L)



2,4-D

Open Water Period (Apr–Oct)

Isle Lake

Lac Ste Anne

Onoway

Calahoo

Villeneuve

Big Lake

Gibbons

Concentration (ug/L)

4

3

2

1

0

M1

M2

M3

M4

M5

M6

M7

M8

M9

M10

M11

M12

T1

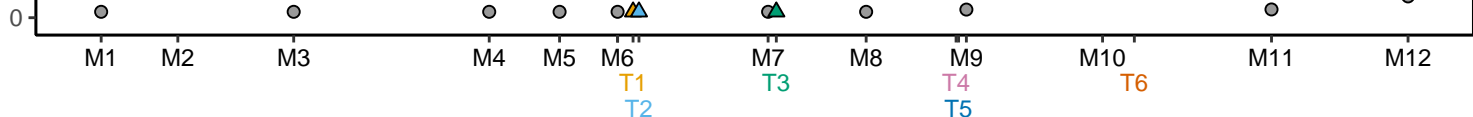
T2

T3

T4

T5

T6



2,4-DB

Open Water Period (Apr–Oct)

Isle Lake

Lac Ste Anne

Onoway

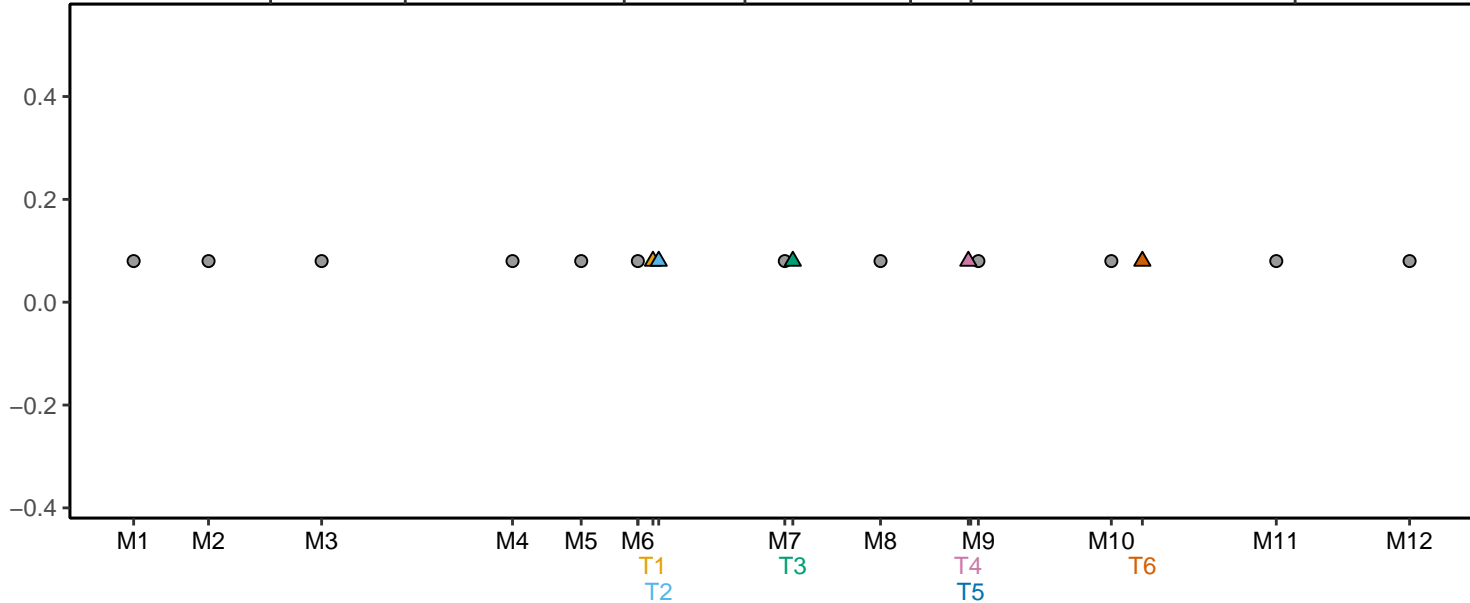
Calahoo

Villeneuve

Big Lake

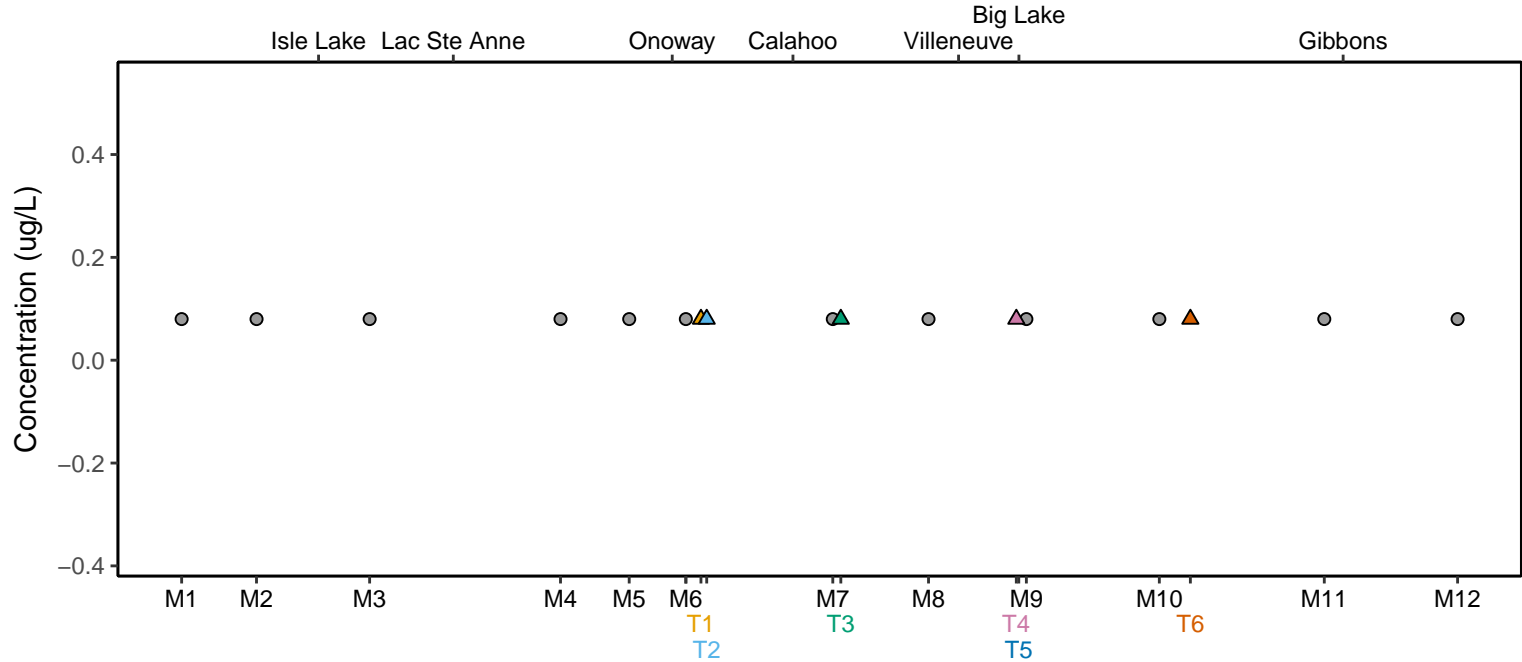
Gibbons

Concentration (ug/L)



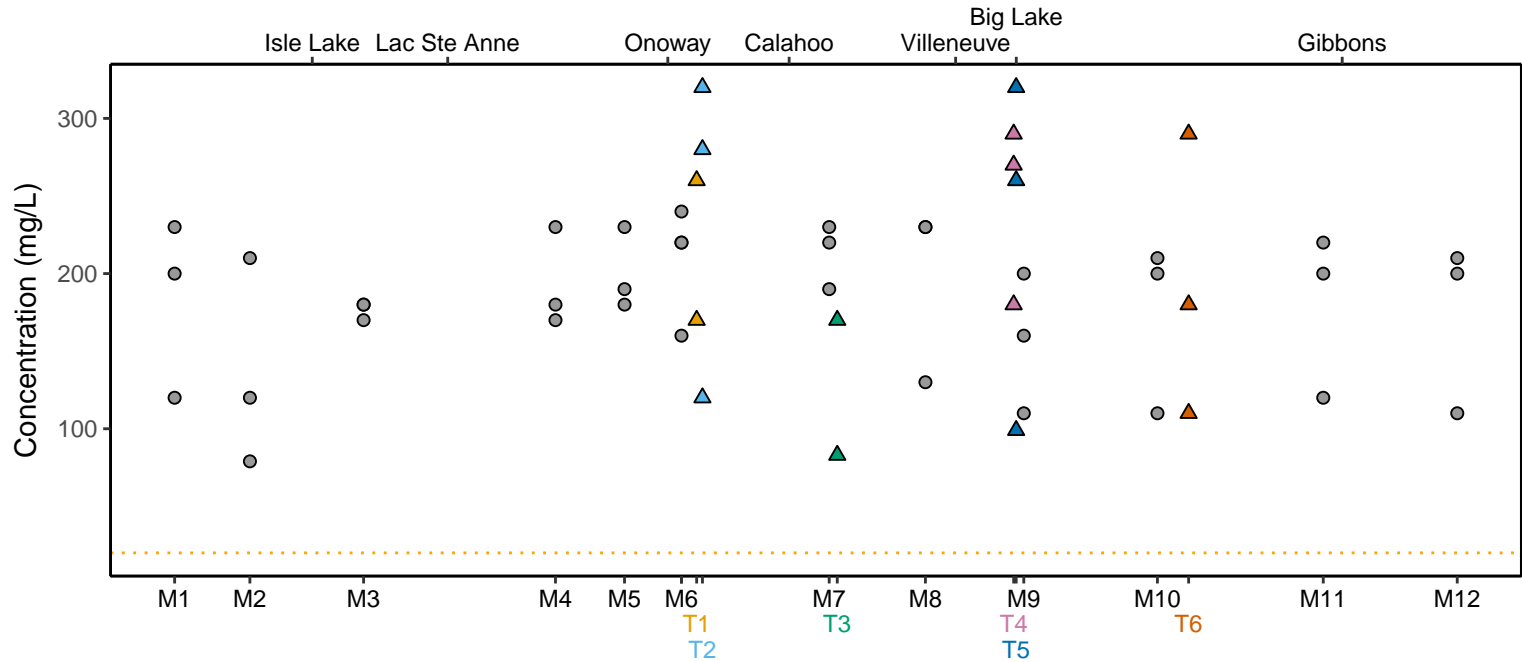
3,5-dichlorobenzoic acid

Open Water Period (Apr–Oct)



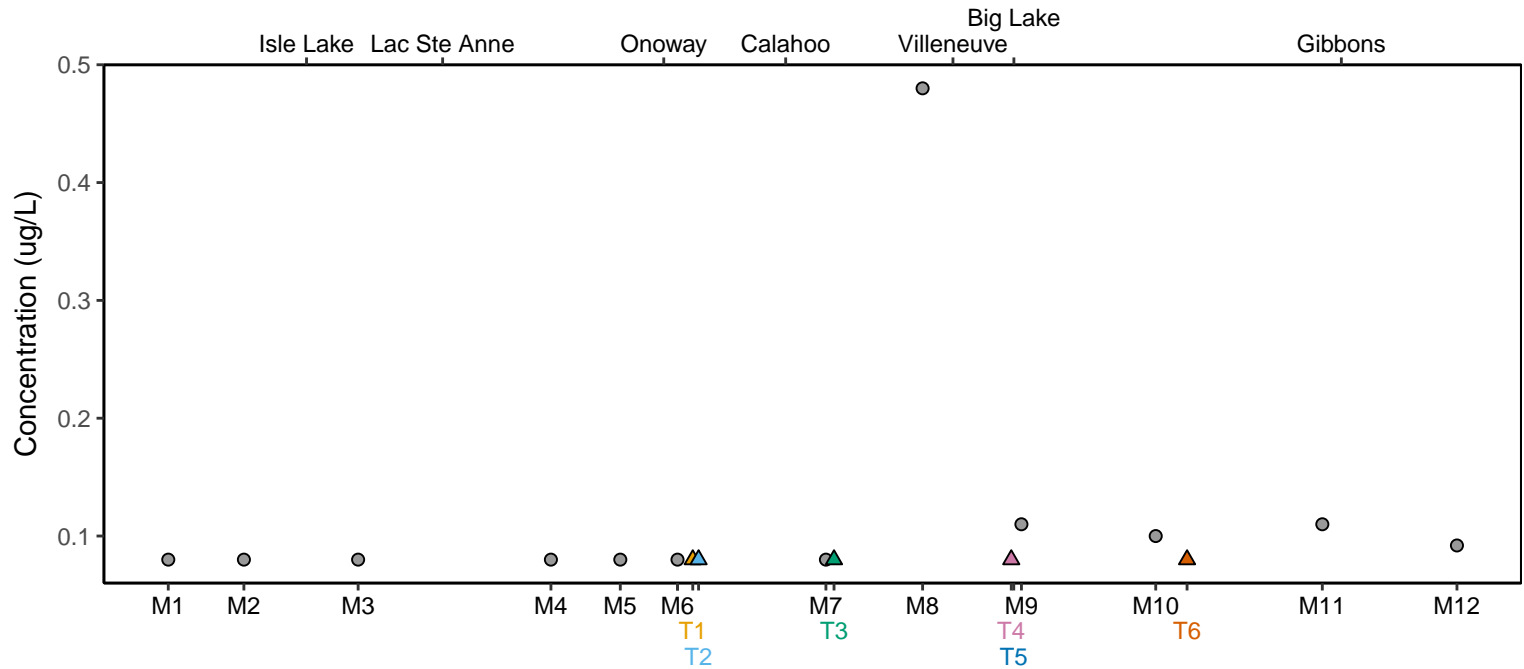
Alkalinity (Total as CaCO₃)

Open Water Period (Apr–Oct)



Bentazon

Open Water Period (Apr–Oct)



Bicarbonate (HCO₃)

Open Water Period (Apr–Oct)

Isle Lake

Lac Ste Anne

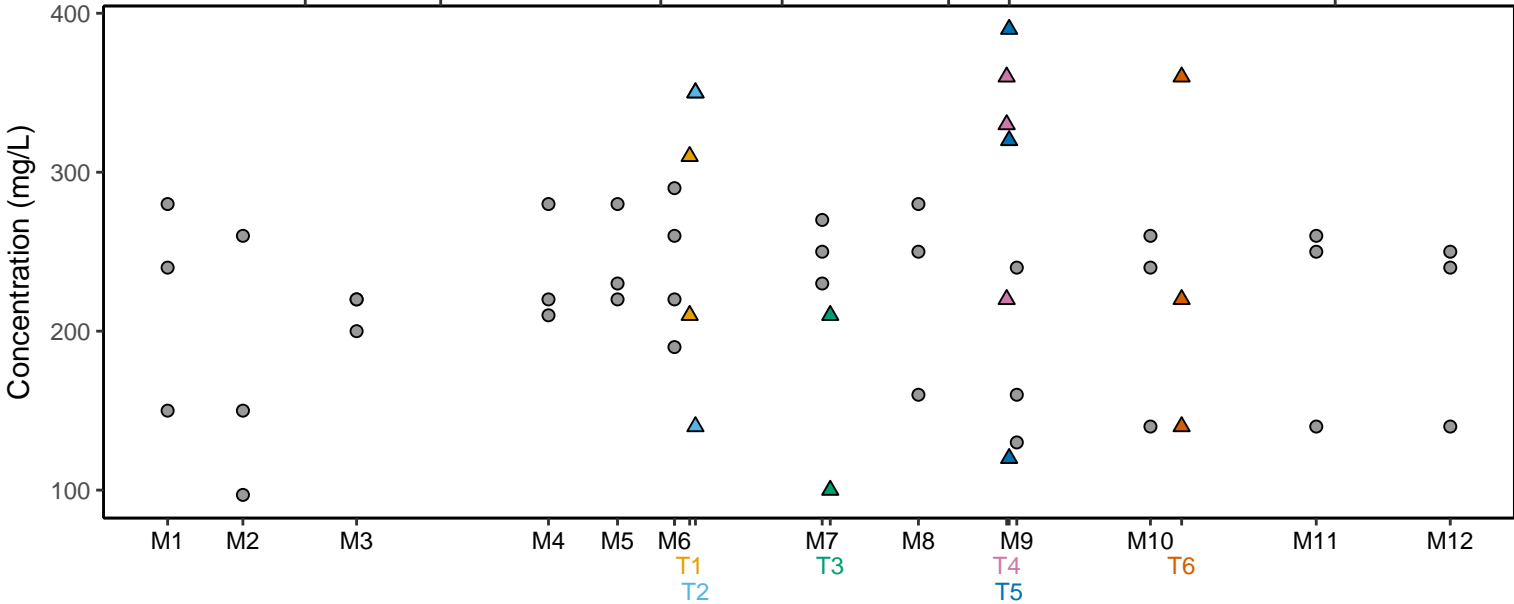
Onoway

Calahoo

Big Lake

Villeneuve

Gibbons



Bromoxynil

Open Water Period (Apr–Oct)

Isle Lake

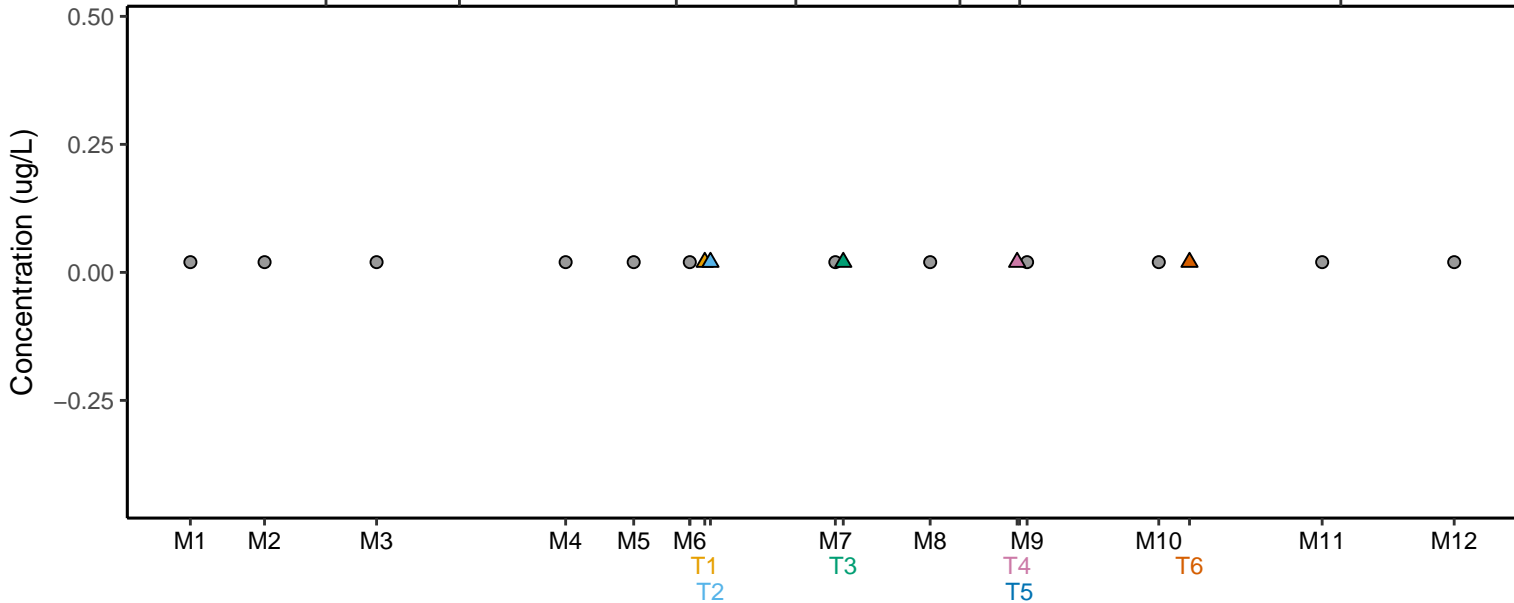
Lac Ste Anne

Onoway

Calahoo

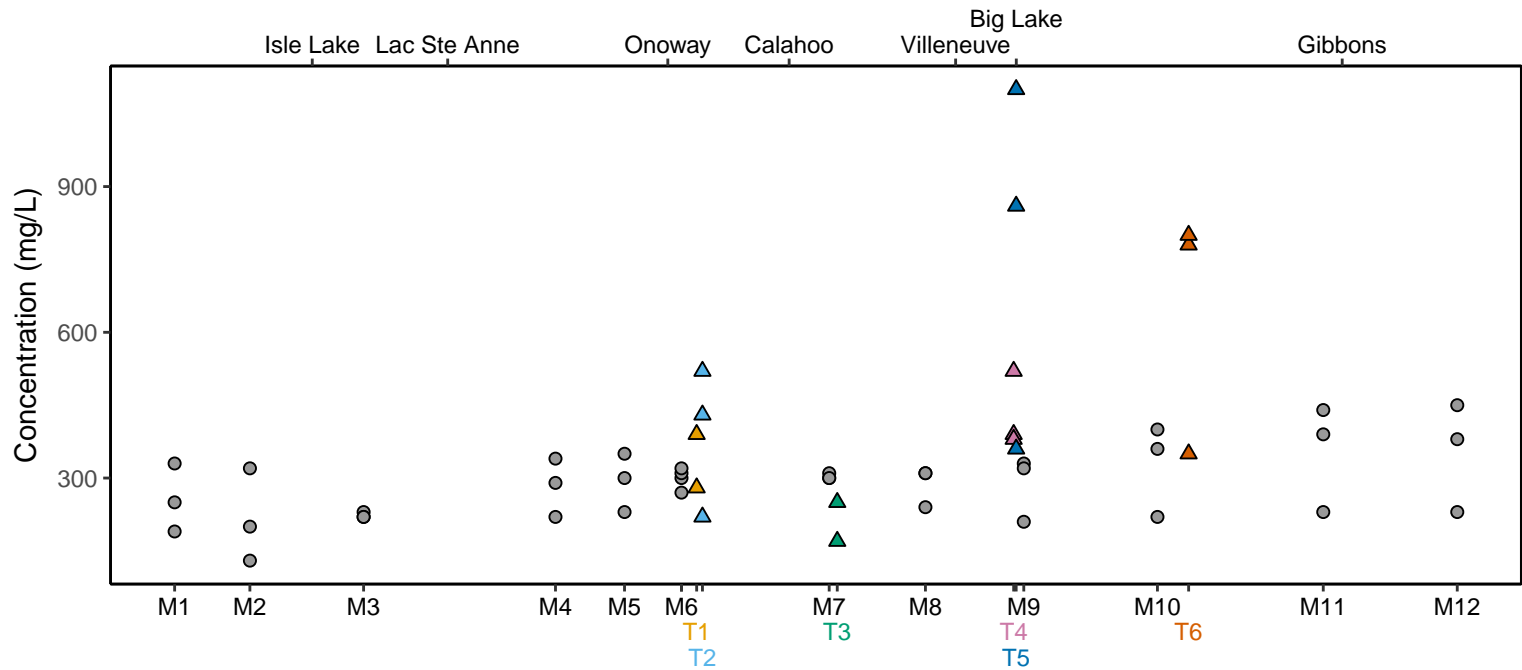
Big Lake
Villeneuve

Gibbons



Calculated Total Dissolved Solids

Open Water Period (Apr–Oct)



Carbonate (CO₃)

Open Water Period (Apr–Oct)

Isle Lake

Lac Ste Anne

Onoway

Calahoo

Big Lake
Villeneuve

Gibbons

Concentration (mg/L)

20

10

0

M1

M2

M3

M4

M5

M6

M7

M8

M9

M10

M11

M12

T1

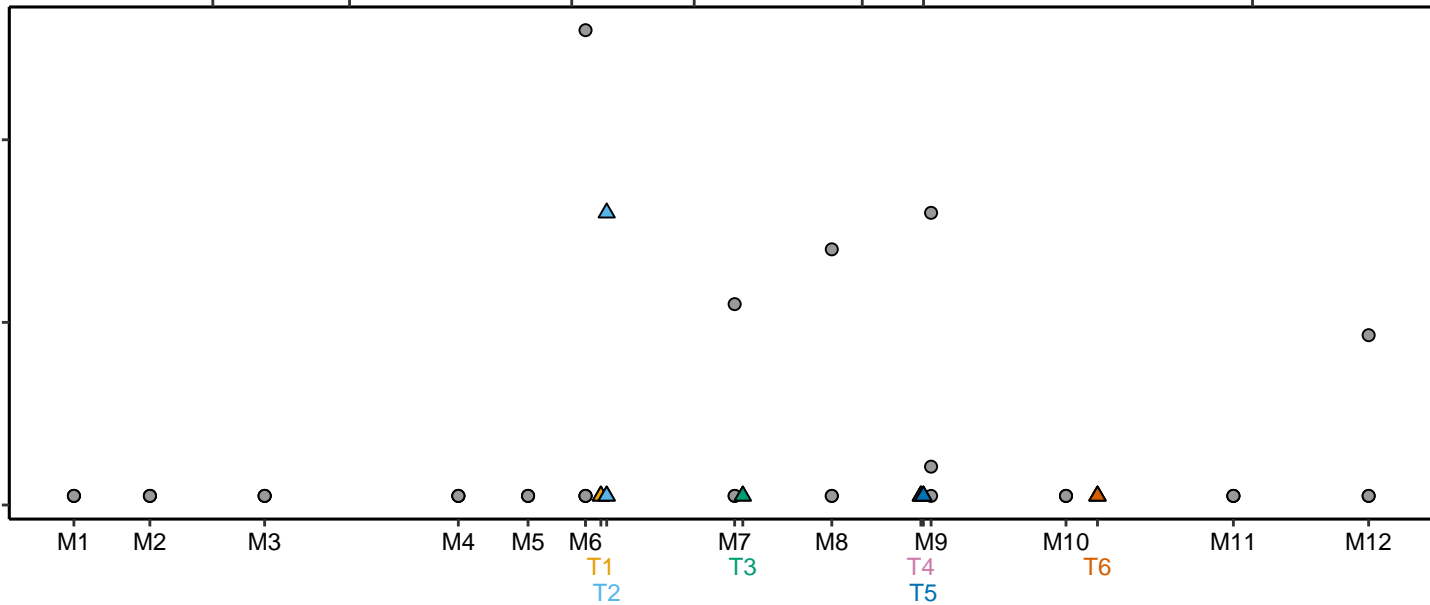
T2

T3

T4

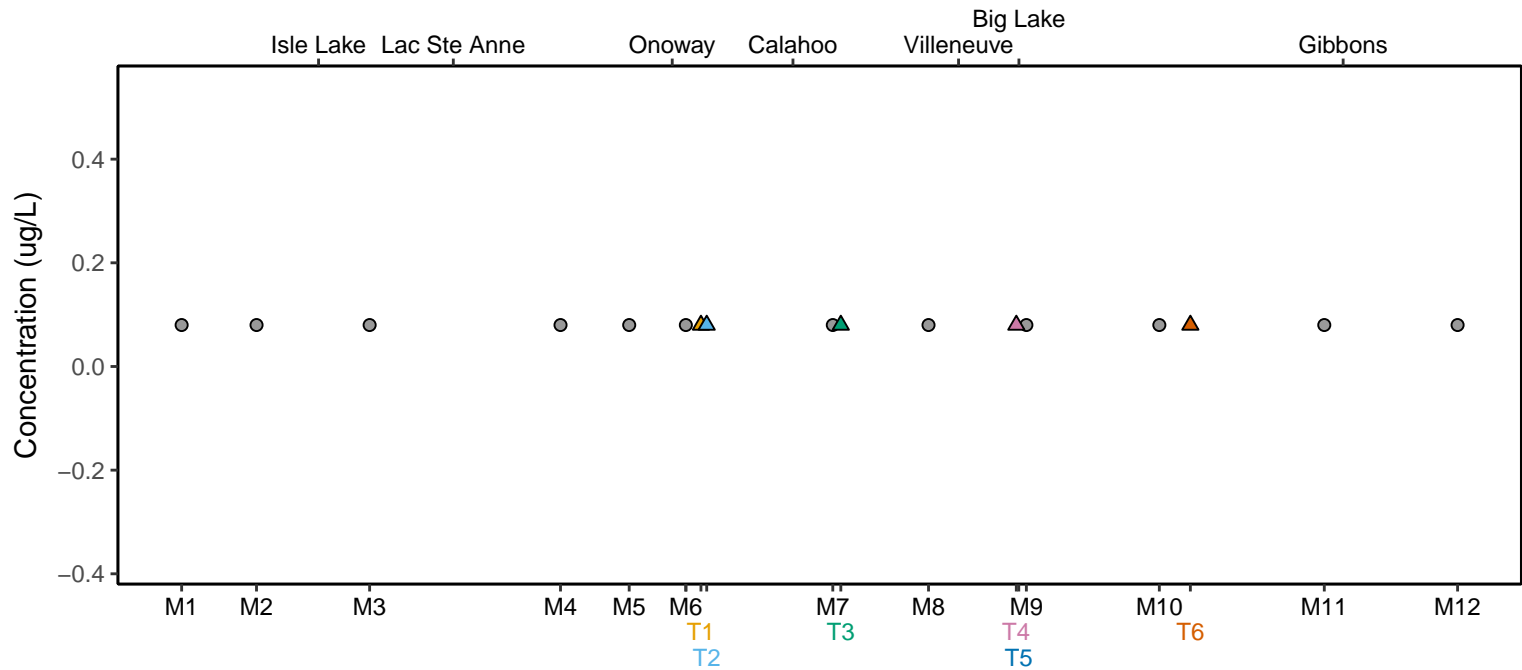
T5

T6



Chloramben

Open Water Period (Apr–Oct)



Chlorophyll-a

Open Water Period (Apr–Oct)

Isle Lake

Lac Ste Anne

Onoway

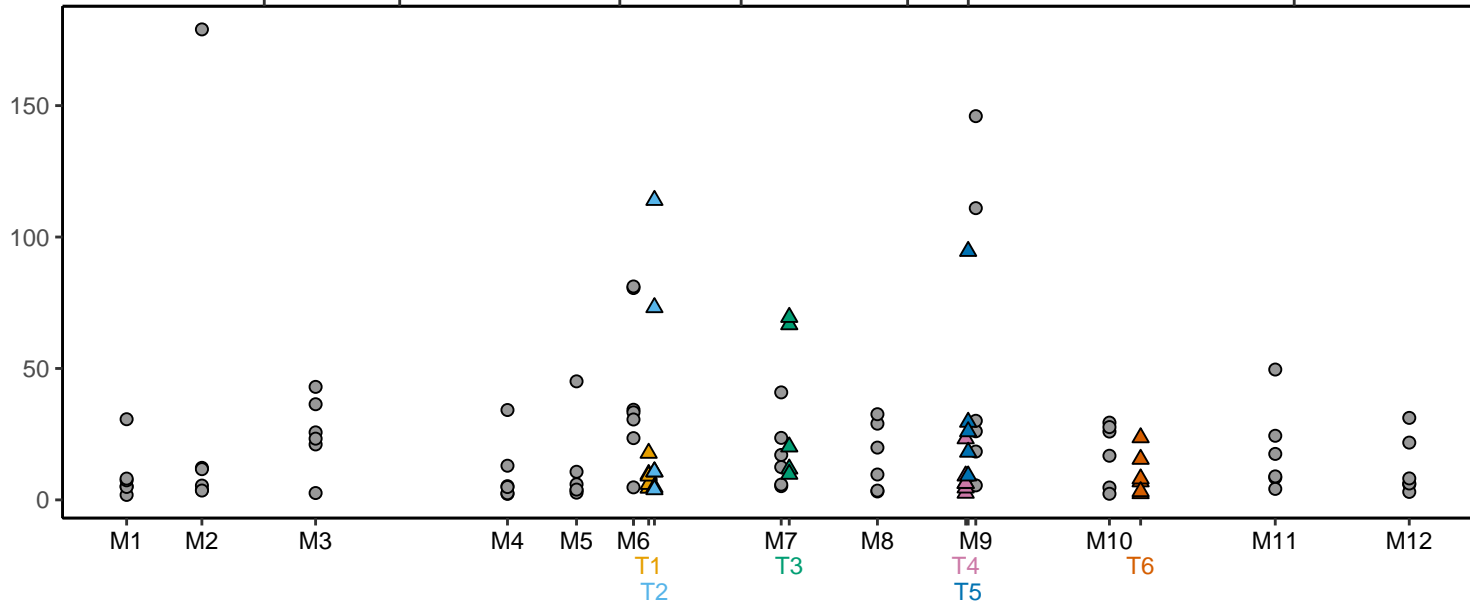
Calahoo

Villeneuve

Big Lake

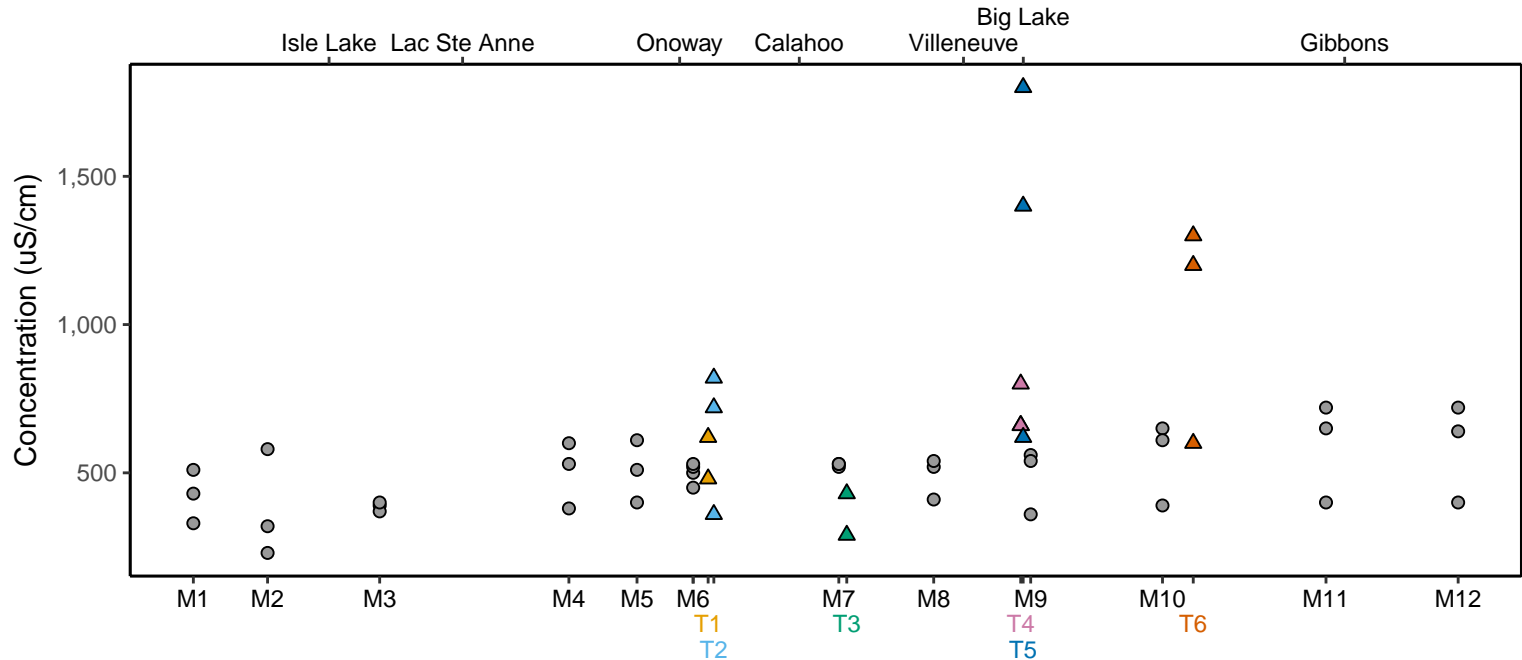
Gibbons

Concentration (ug/L)



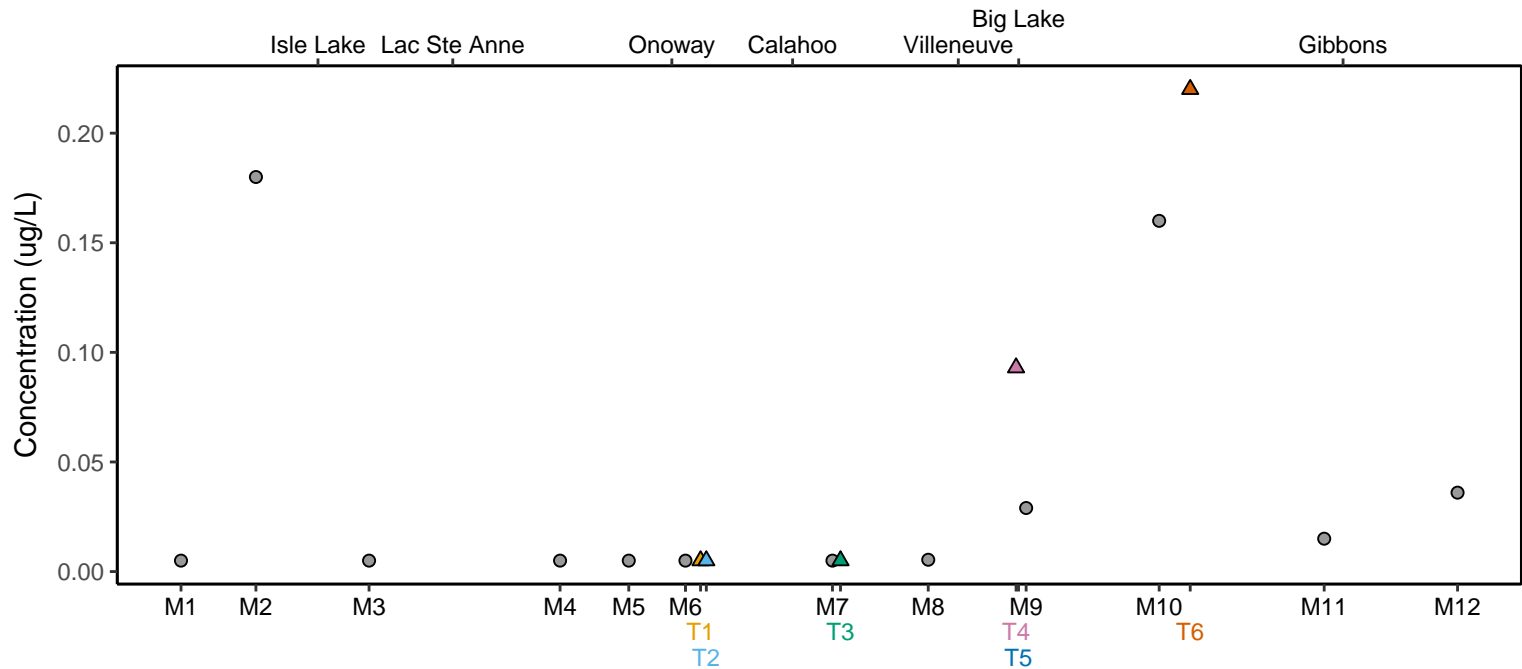
Specific Conductivity (lab)

Open Water Period (Apr–Oct)



Dicamba

Open Water Period (Apr–Oct)



Dichloroprop

Open Water Period (Apr–Oct)

Isle Lake

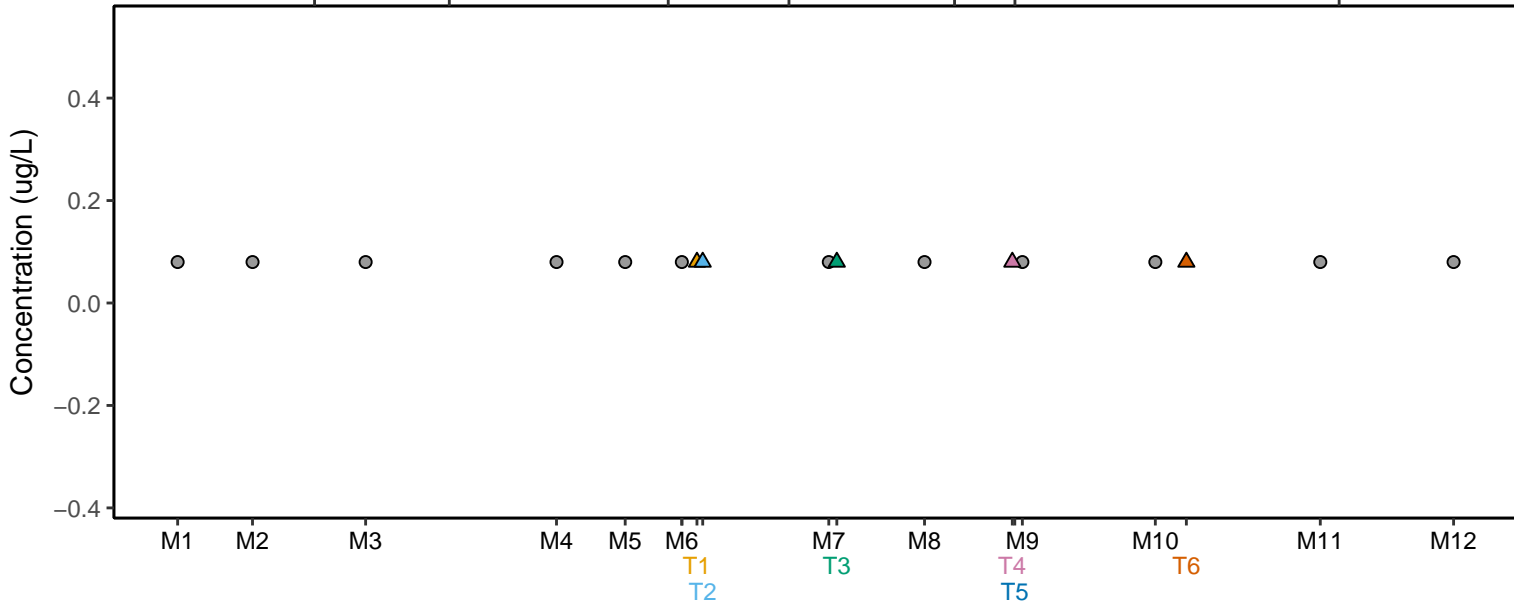
Lac Ste Anne

Onoway

Calahoo

Big Lake
Villeneuve

Gibbons



Diclofop-methyl

Open Water Period (Apr–Oct)

Isle Lake

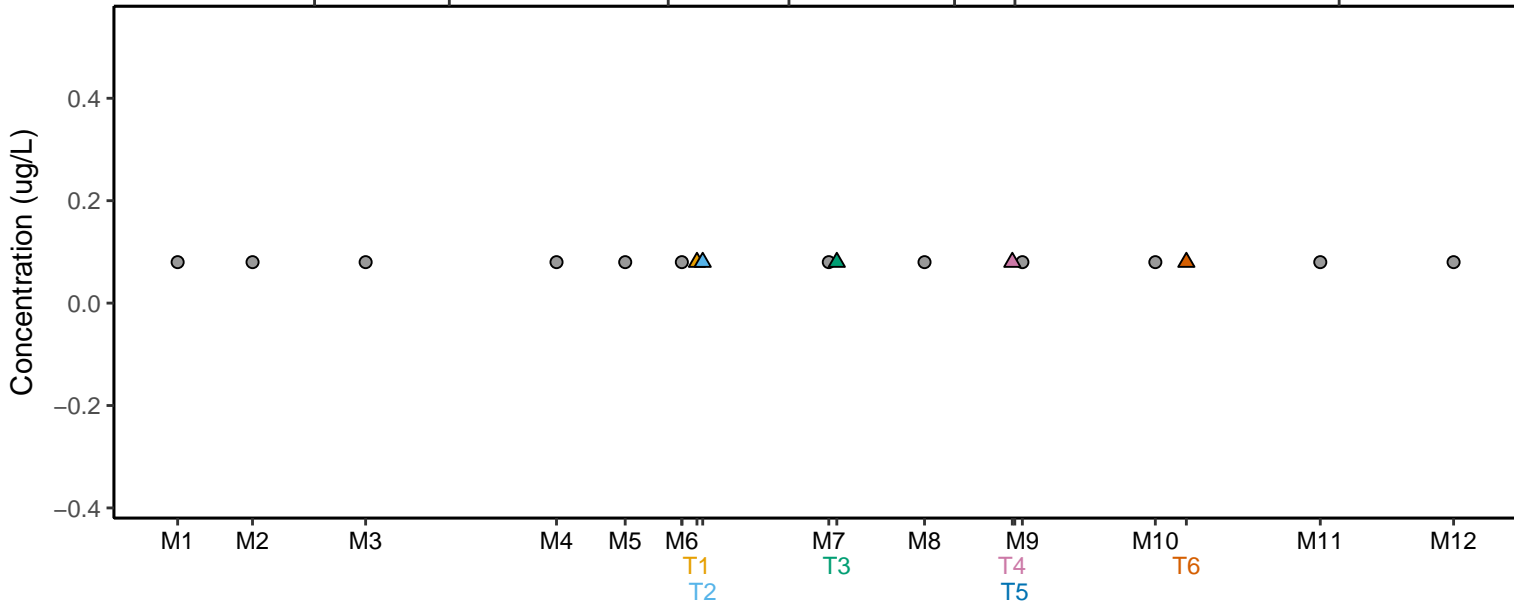
Lac Ste Anne

Onoway

Calahoo

Big Lake
Villeneuve

Gibbons



Dinoseb (DNBP)

Open Water Period (Apr–Oct)

Isle Lake

Lac Ste Anne

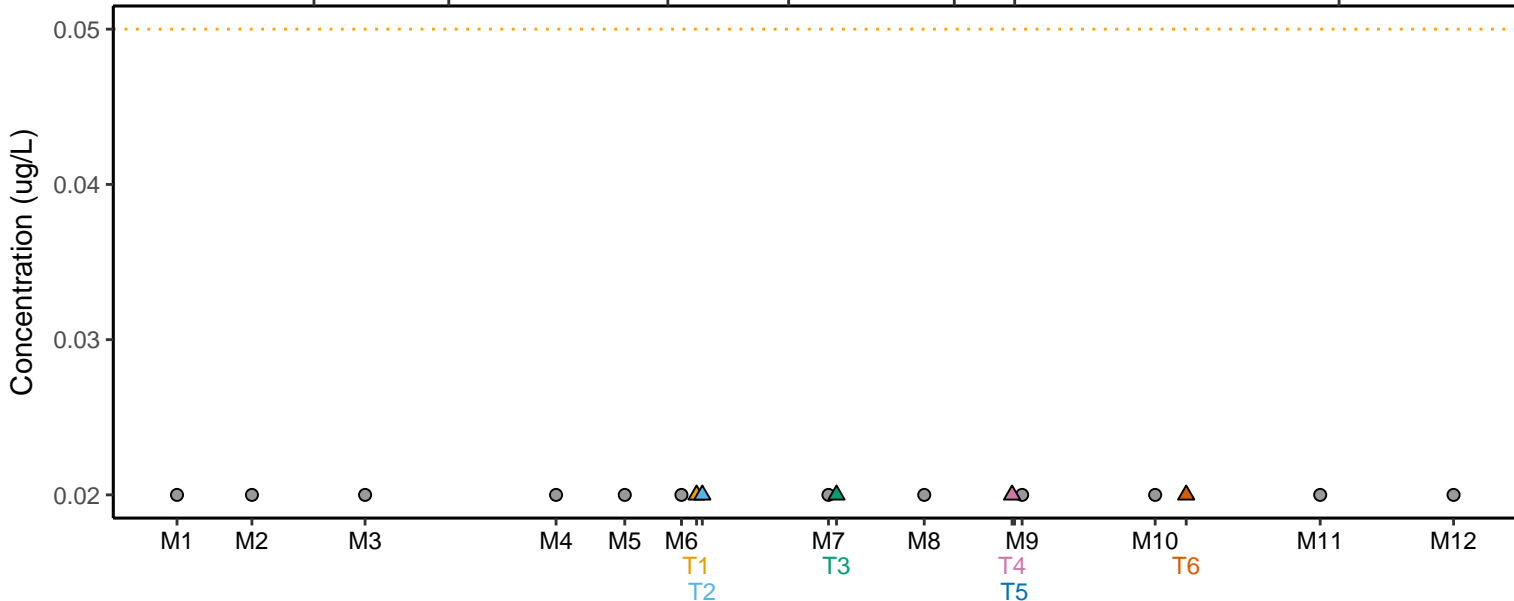
Onoway

Calahoo

Villeneuve

Big Lake

Gibbons



Dissolved Aluminum (Al)

Open Water Period (Apr–Oct)

Isle Lake

Lac Ste Anne

Onoway

Calahoo

Villeneuve

Big Lake

Gibbons

Concentration (mg/L)

0.2

0.1

0.0

M1

M2

M3

M4

M5

M6

M7

M8

M9

M10

M11

M12

T1

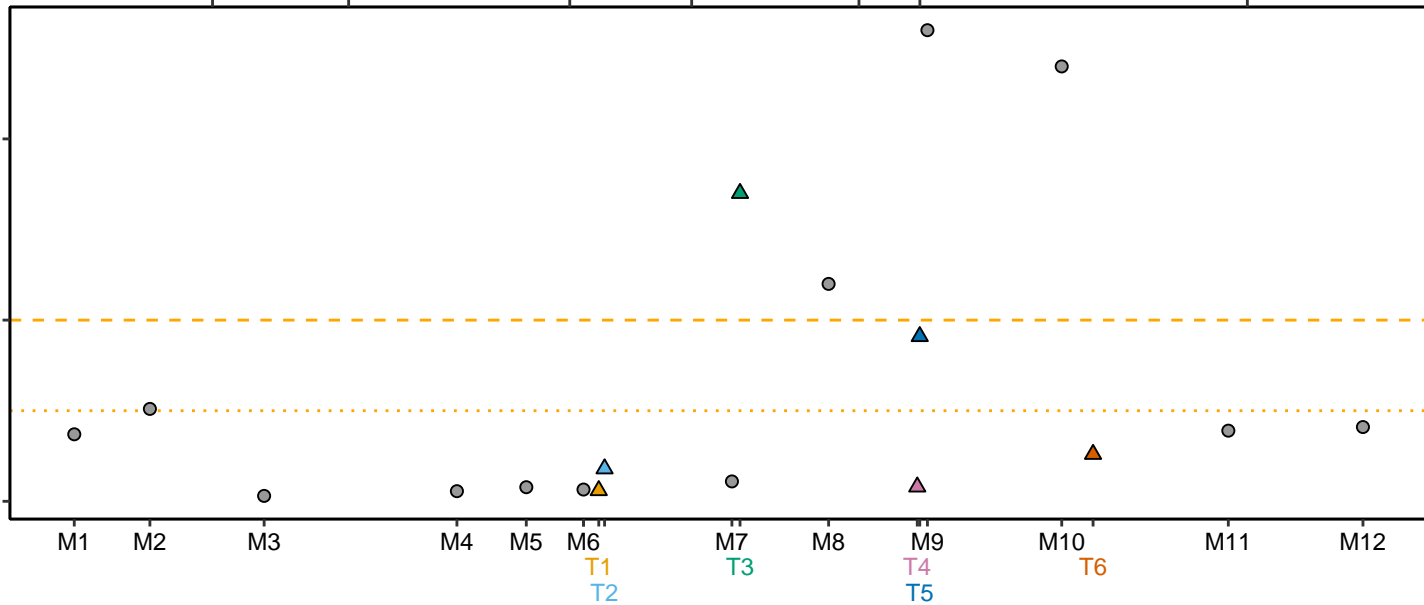
T2

T3

T4

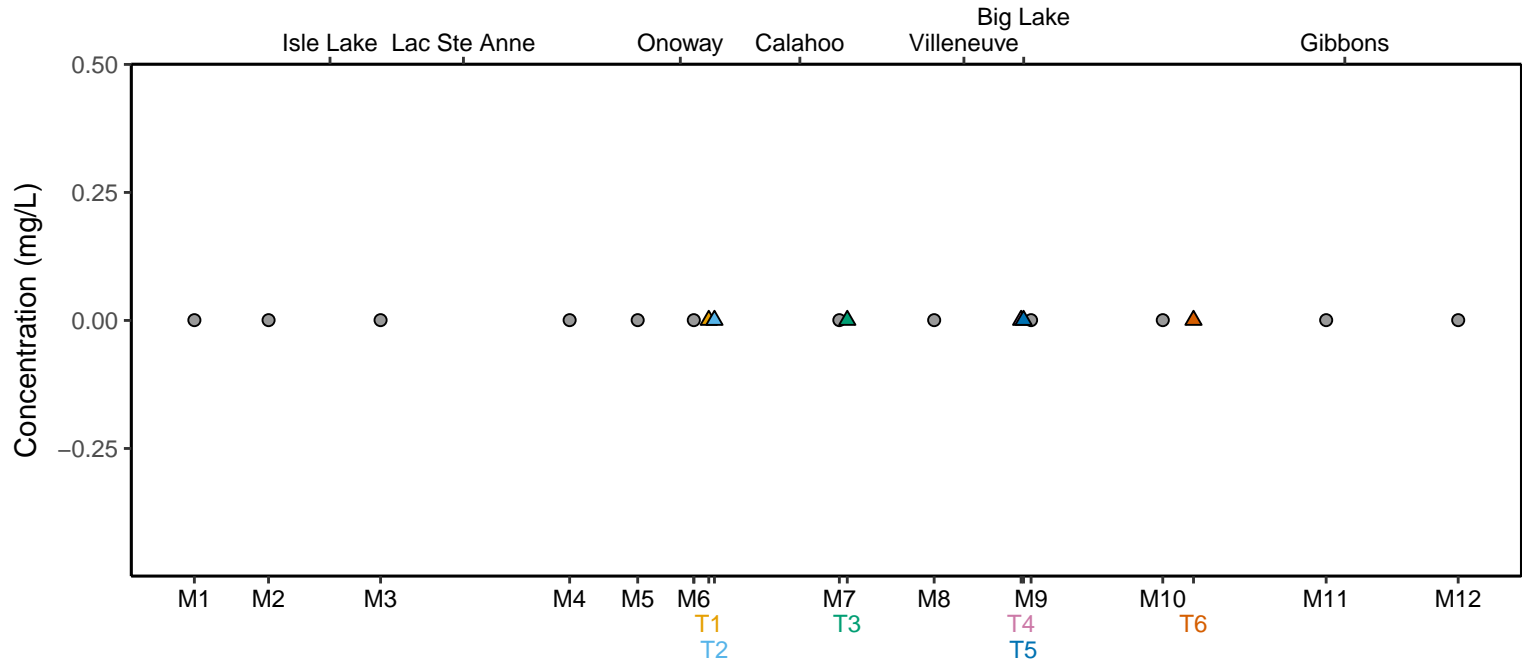
T5

T6



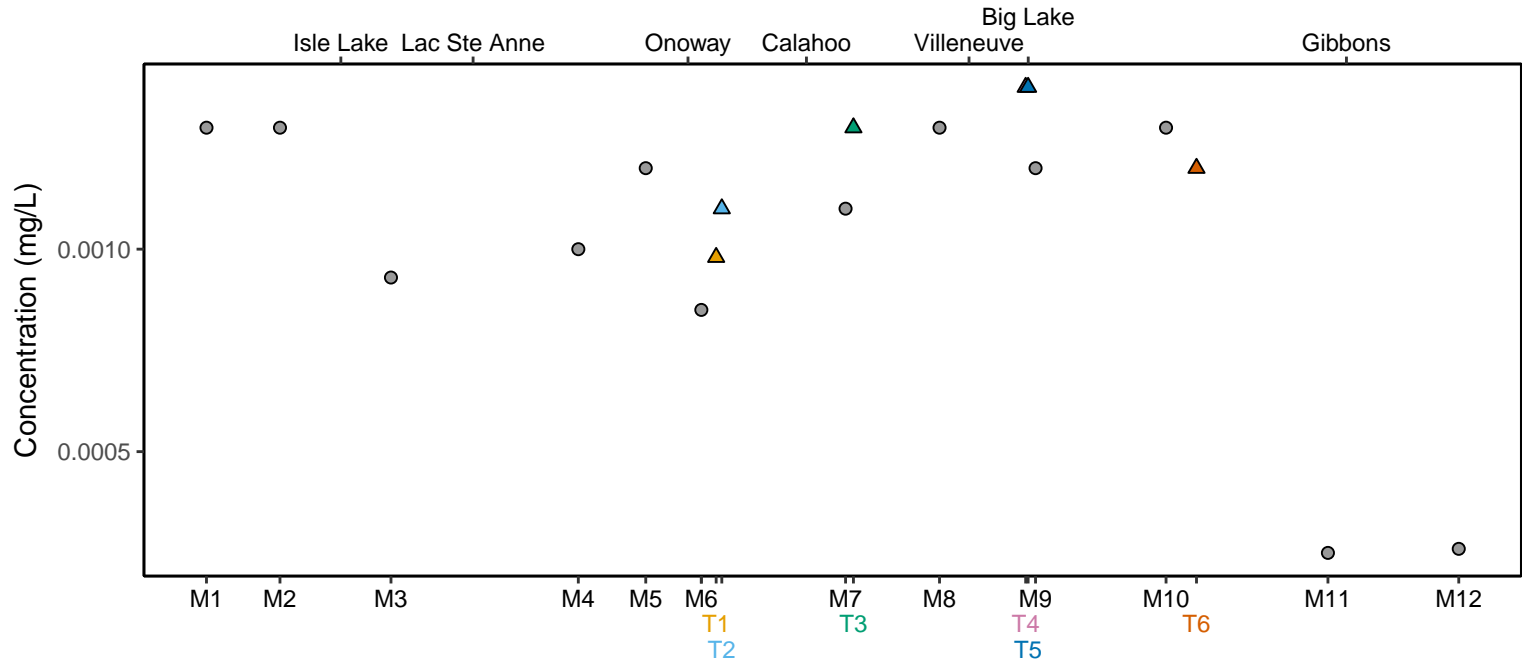
Dissolved Antimony (Sb)

Open Water Period (Apr–Oct)



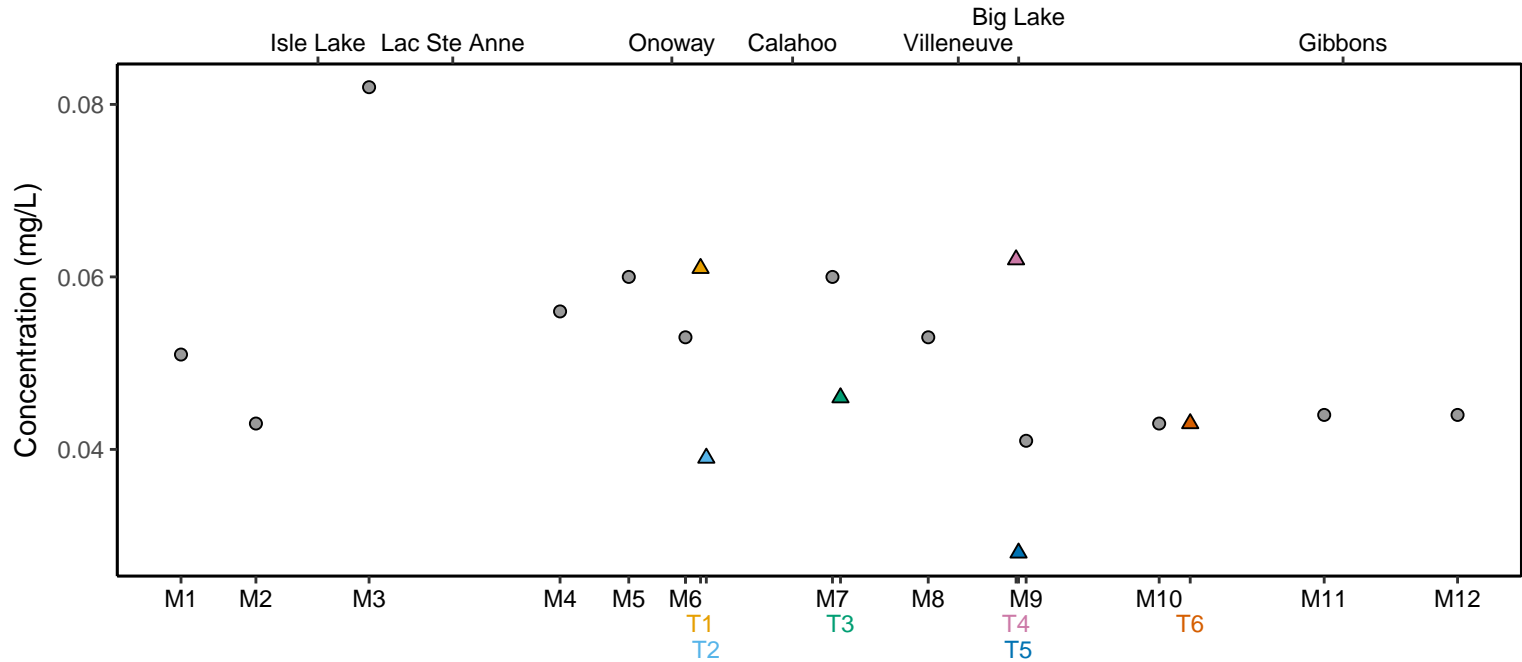
Dissolved Arsenic (As)

Open Water Period (Apr–Oct)



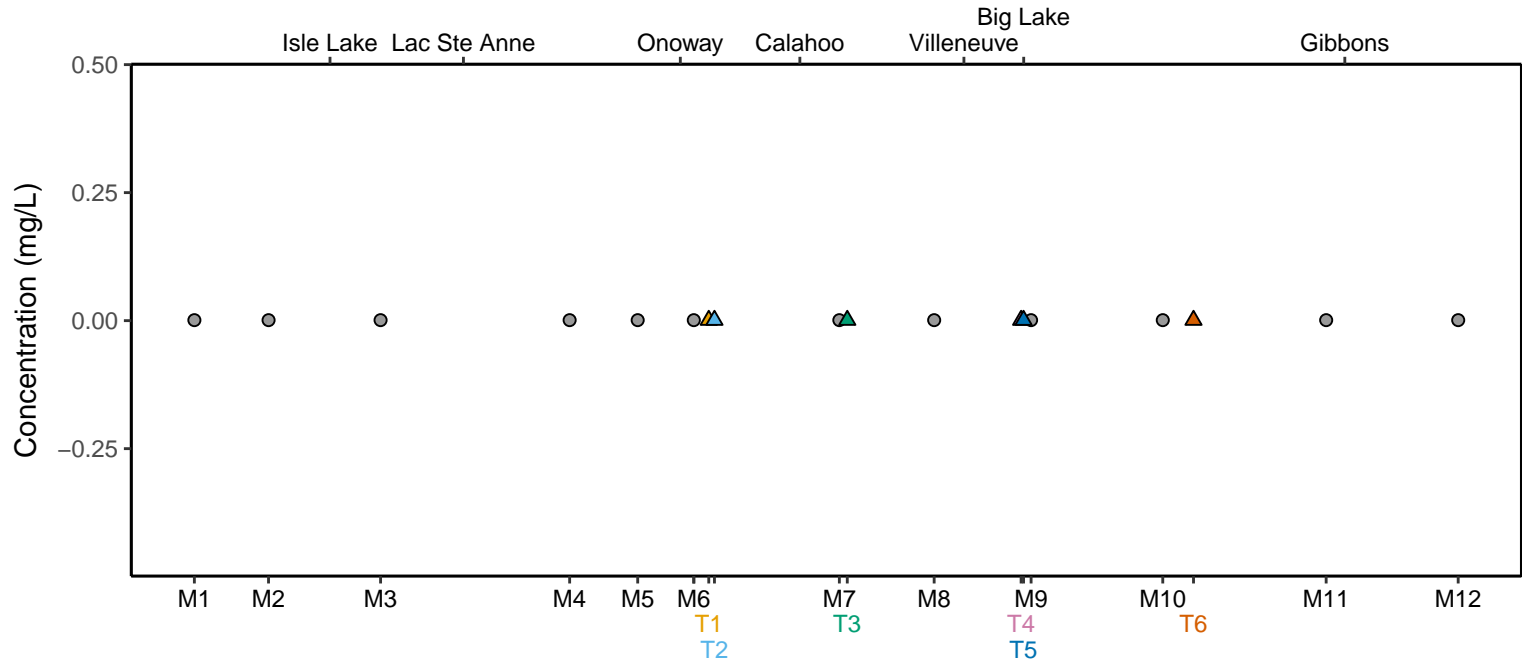
Dissolved Barium (Ba)

Open Water Period (Apr–Oct)



Dissolved Beryllium (Be)

Open Water Period (Apr–Oct)



Dissolved Boron (B)

Open Water Period (Apr–Oct)

Isle Lake

Lac Ste Anne

Onoway

Calahoo

Villeneuve

Big Lake

Gibbons

Concentration (mg/L)

0.07

0.06

0.05

0.04

0.03

M1

M2

M3

M4

M5

M6

M7

M8

M9

M10

M11

M12

T1

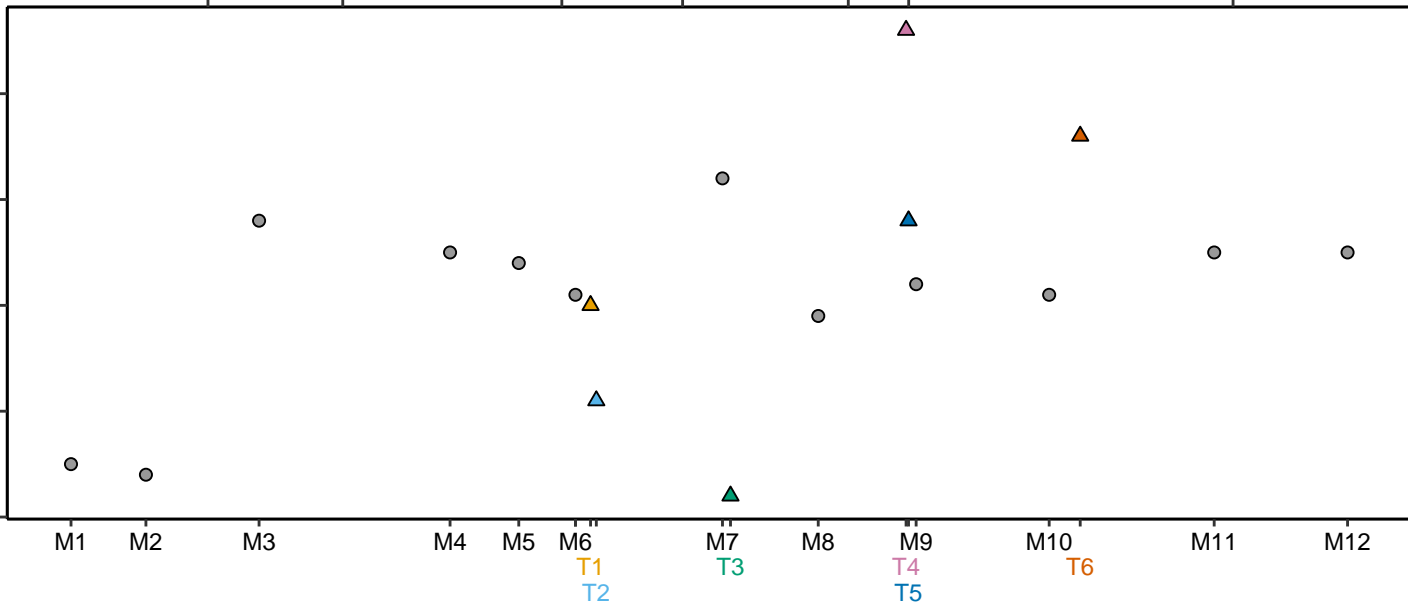
T2

T3

T4

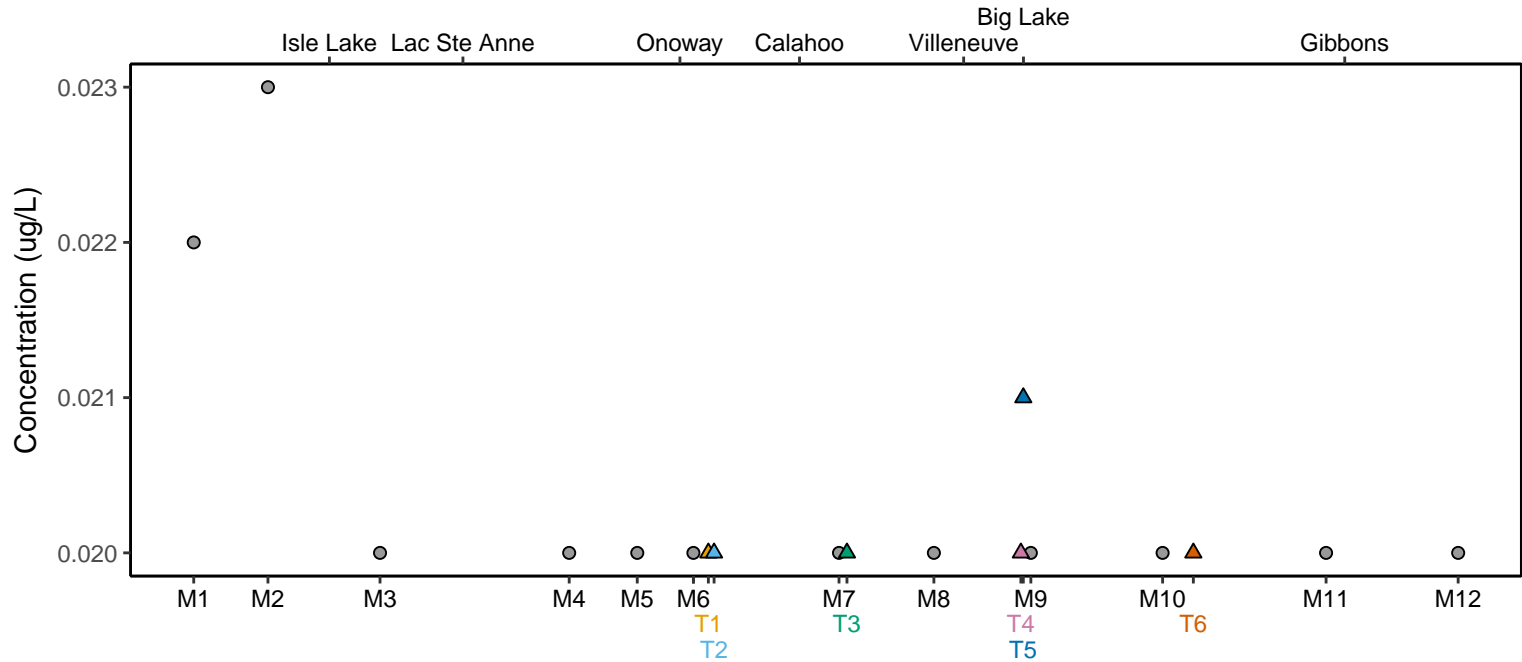
T5

T6



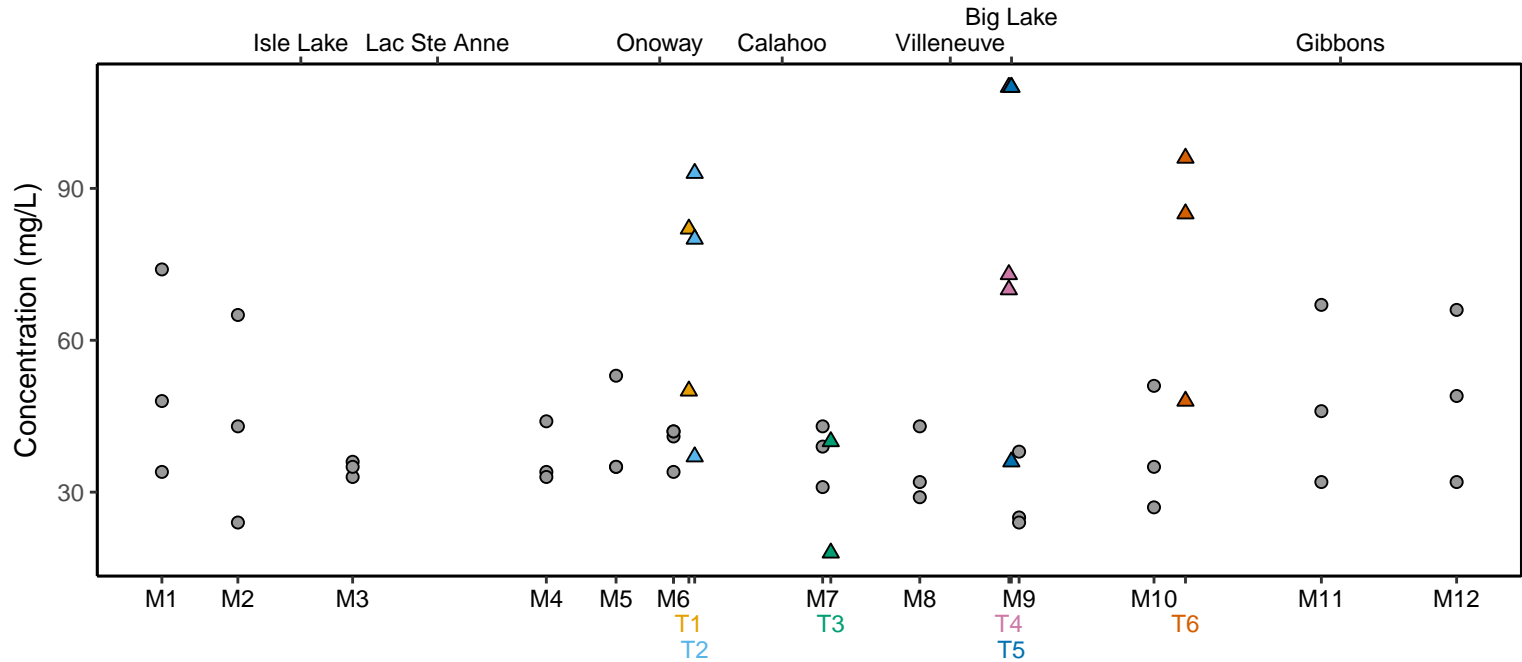
Dissolved Cadmium (Cd)

Open Water Period (Apr–Oct)



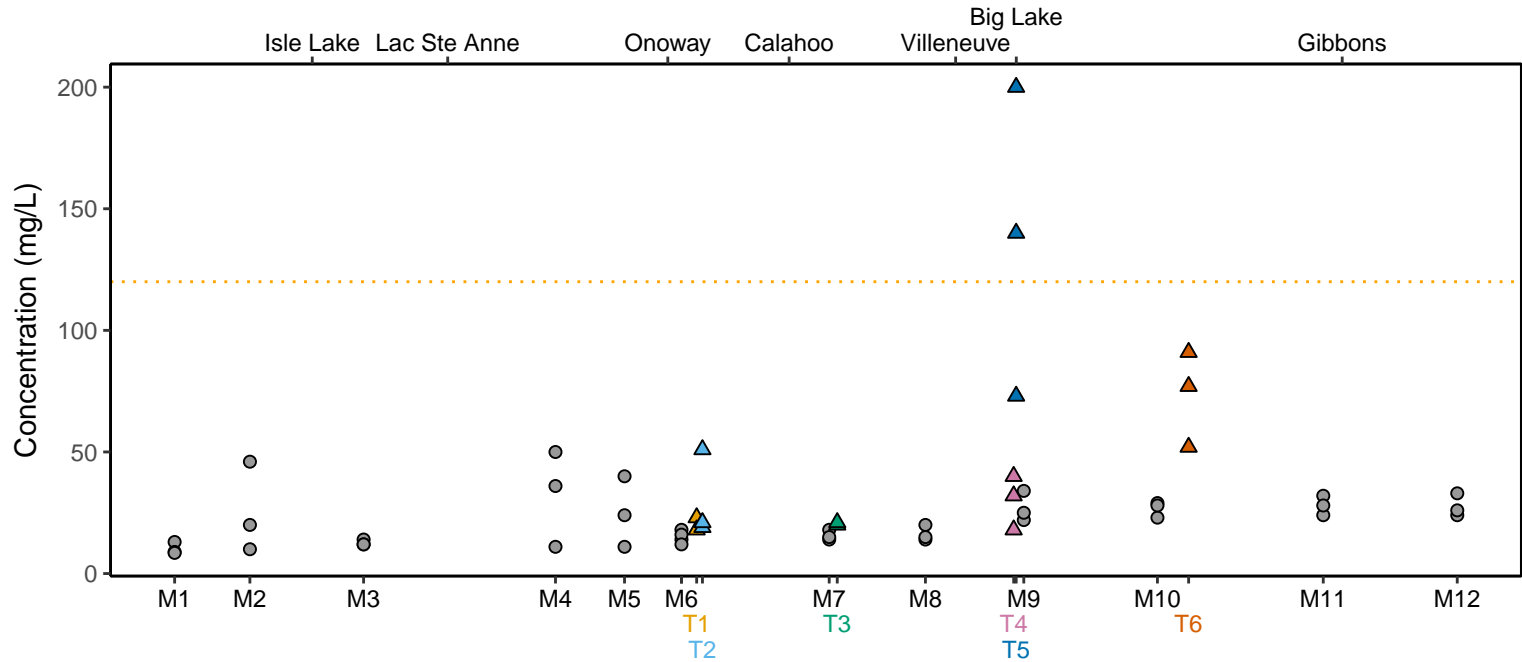
Dissolved Calcium (Ca)

Open Water Period (Apr–Oct)



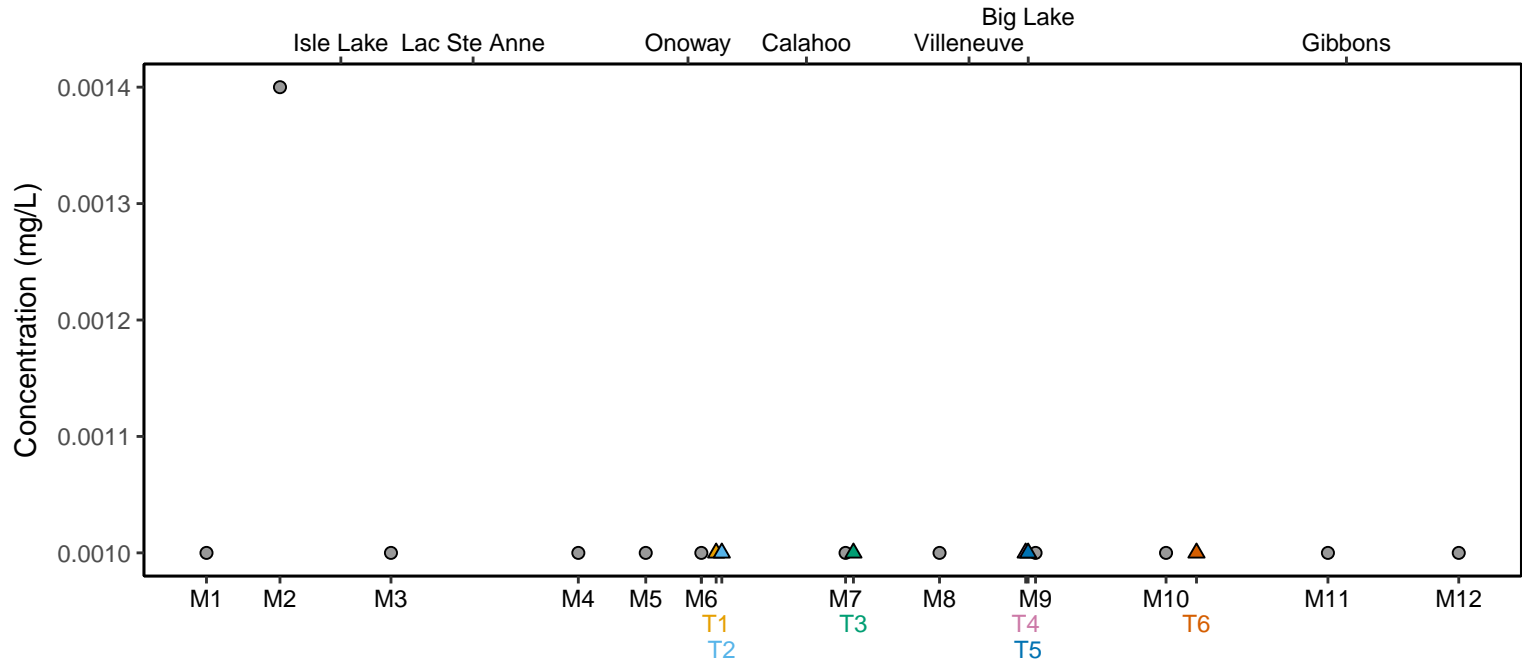
Dissolved Chloride (Cl)

Open Water Period (Apr–Oct)



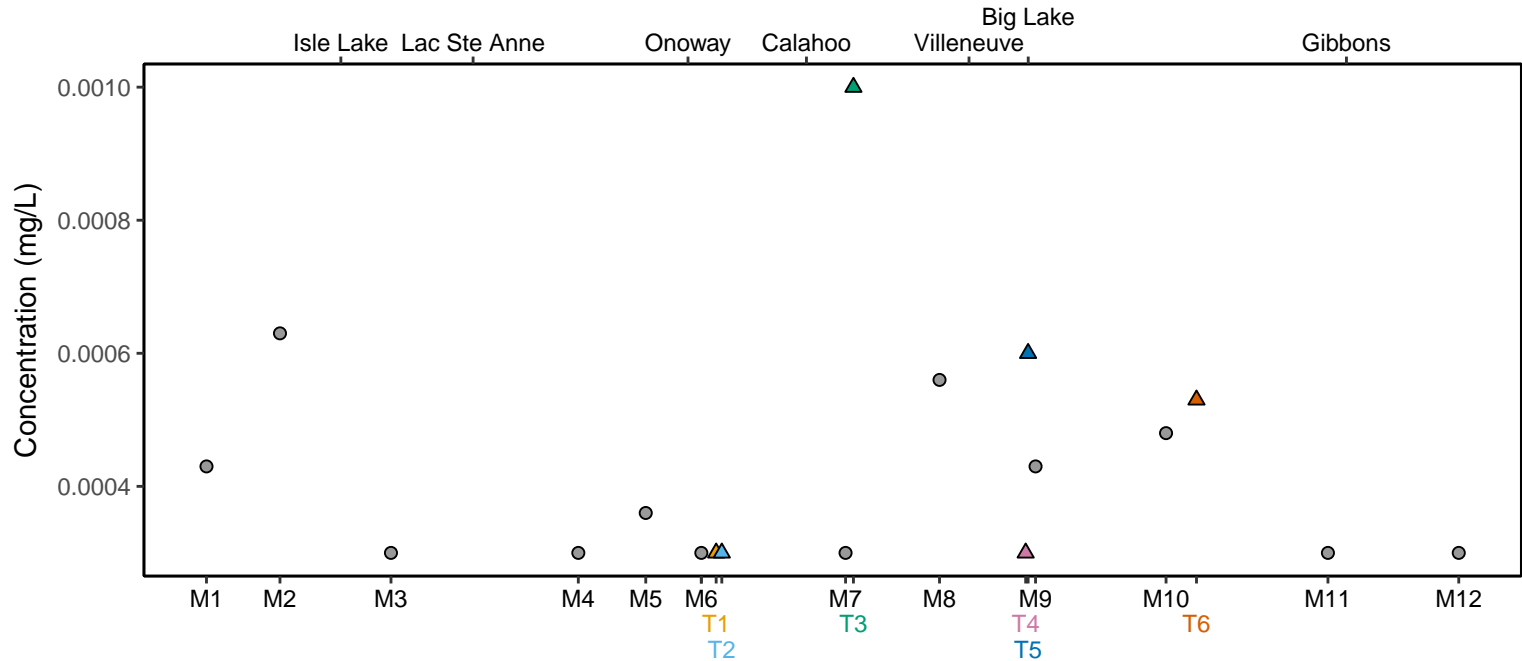
Dissolved Chromium (Cr)

Open Water Period (Apr–Oct)



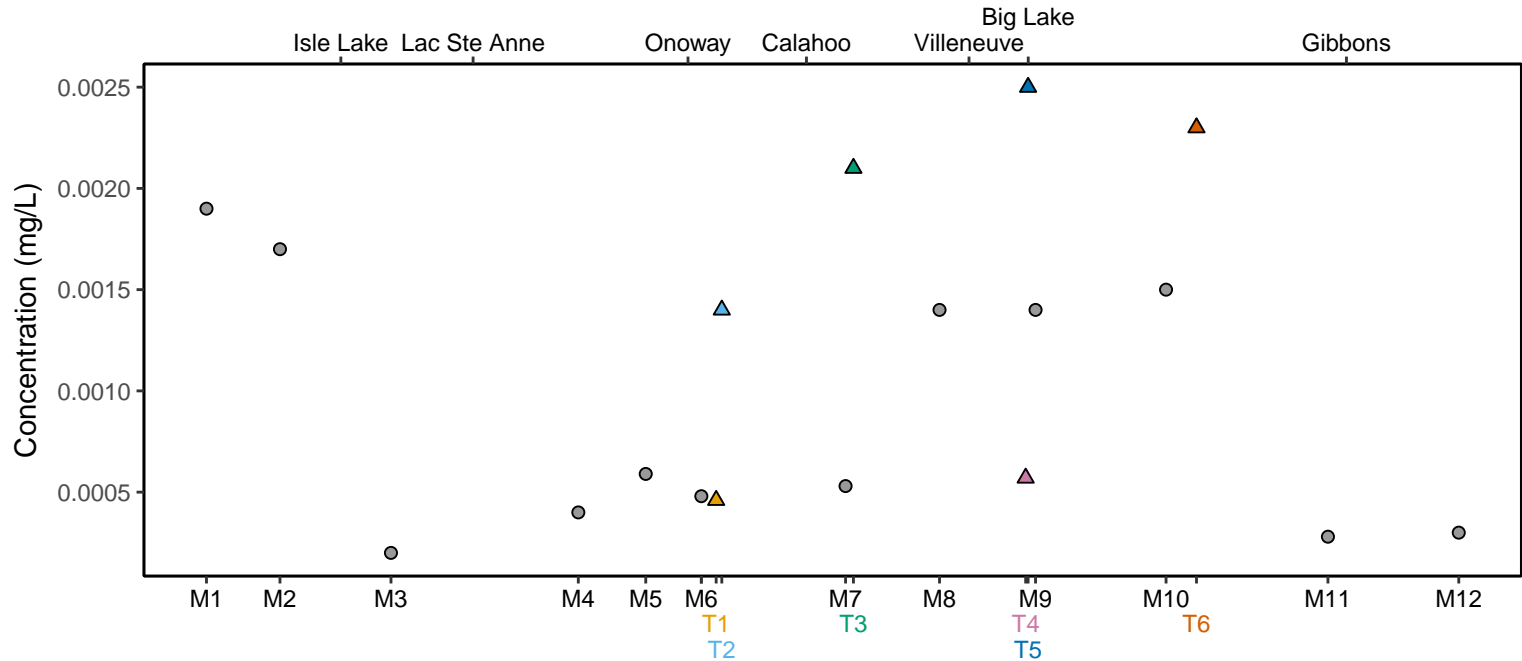
Dissolved Cobalt (Co)

Open Water Period (Apr–Oct)



Dissolved Copper (Cu)

Open Water Period (Apr–Oct)



Dissolved Iron (Fe)

Open Water Period (Apr–Oct)

Isle Lake

Lac Ste Anne

Onoway

Calahoo

Big Lake
Villeneuve

Gibbons

Concentration (mg/L)

2.0

1.5

1.0

0.5

0.0

M1

M2

M3

M4

M5

M6

M7

M8

M9

M10

M11

M12

T1

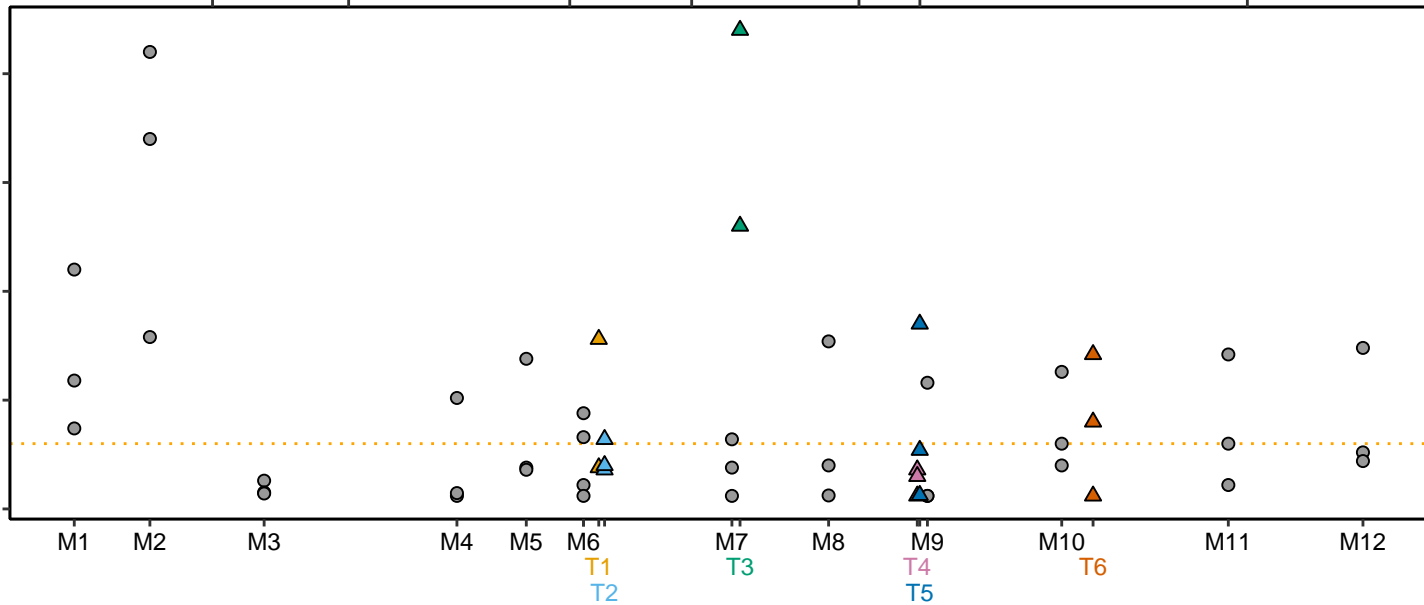
T2

T3

T4

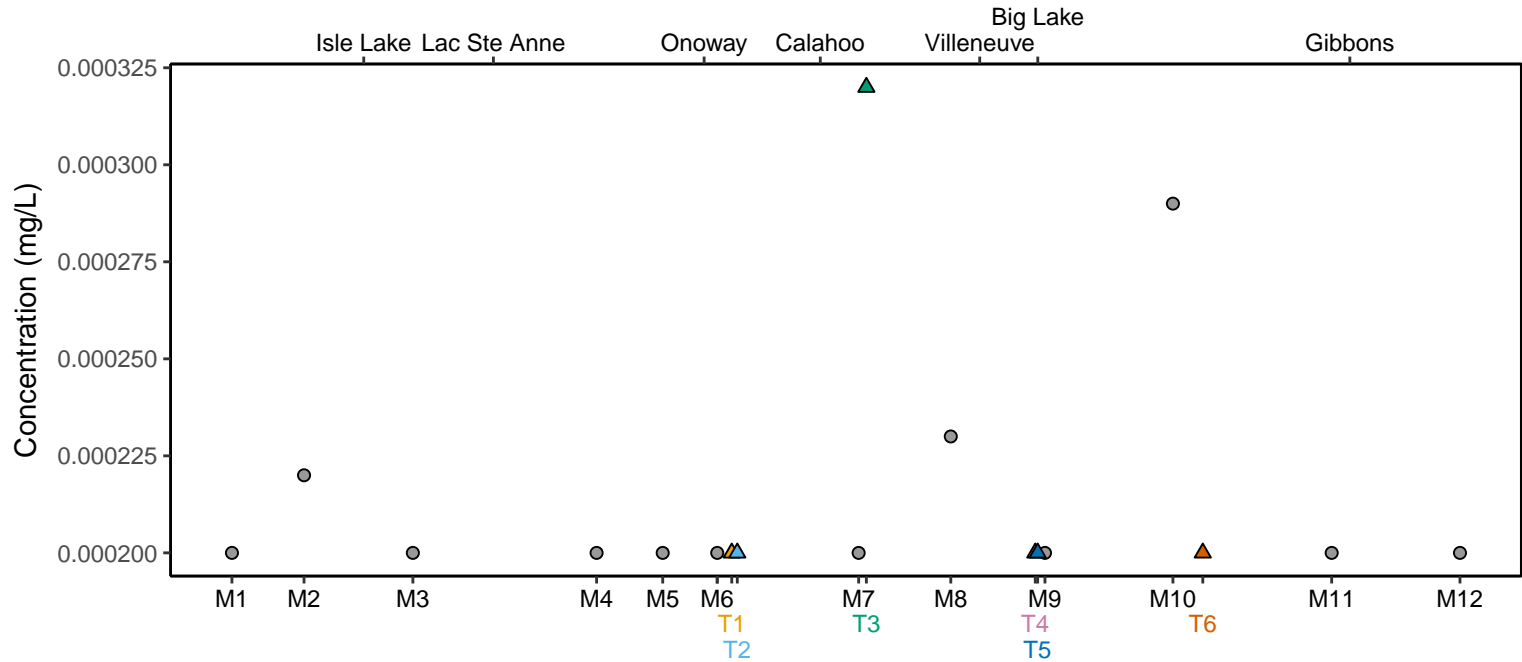
T5

T6



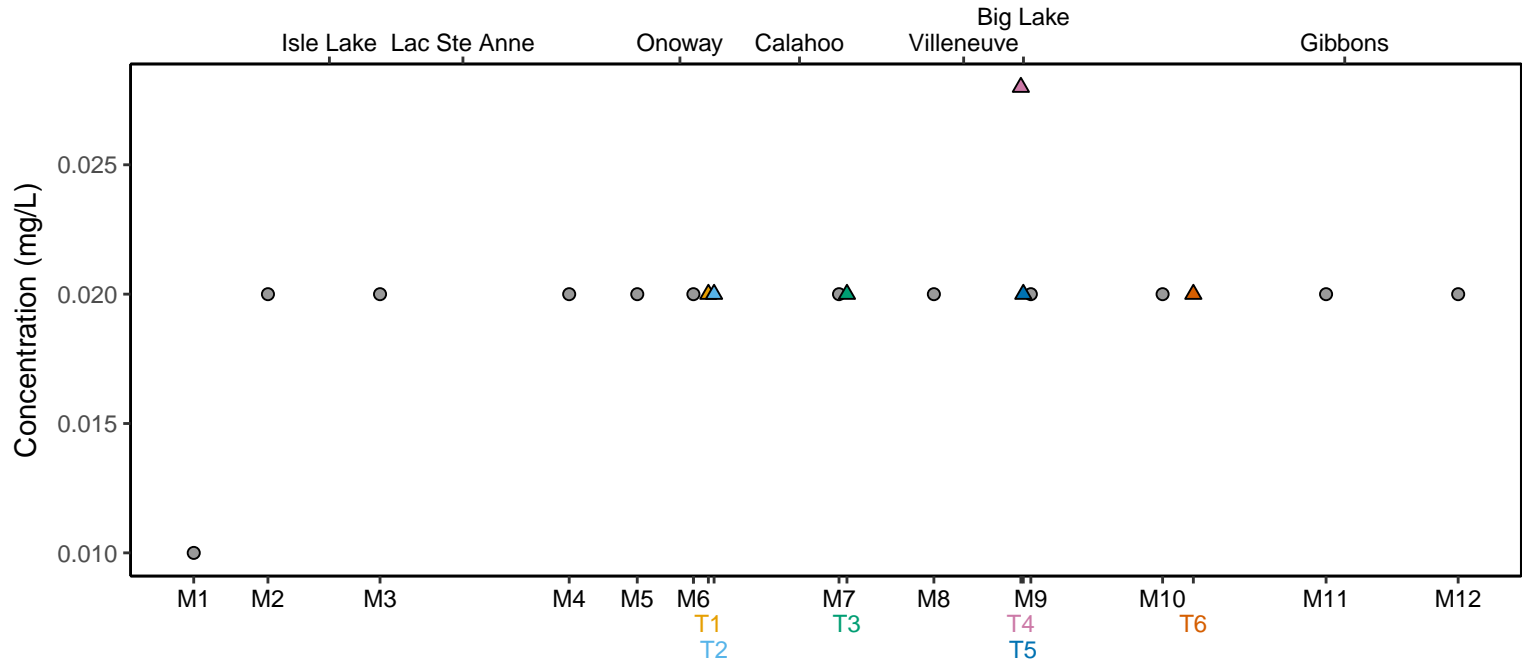
Dissolved Lead (Pb)

Open Water Period (Apr–Oct)



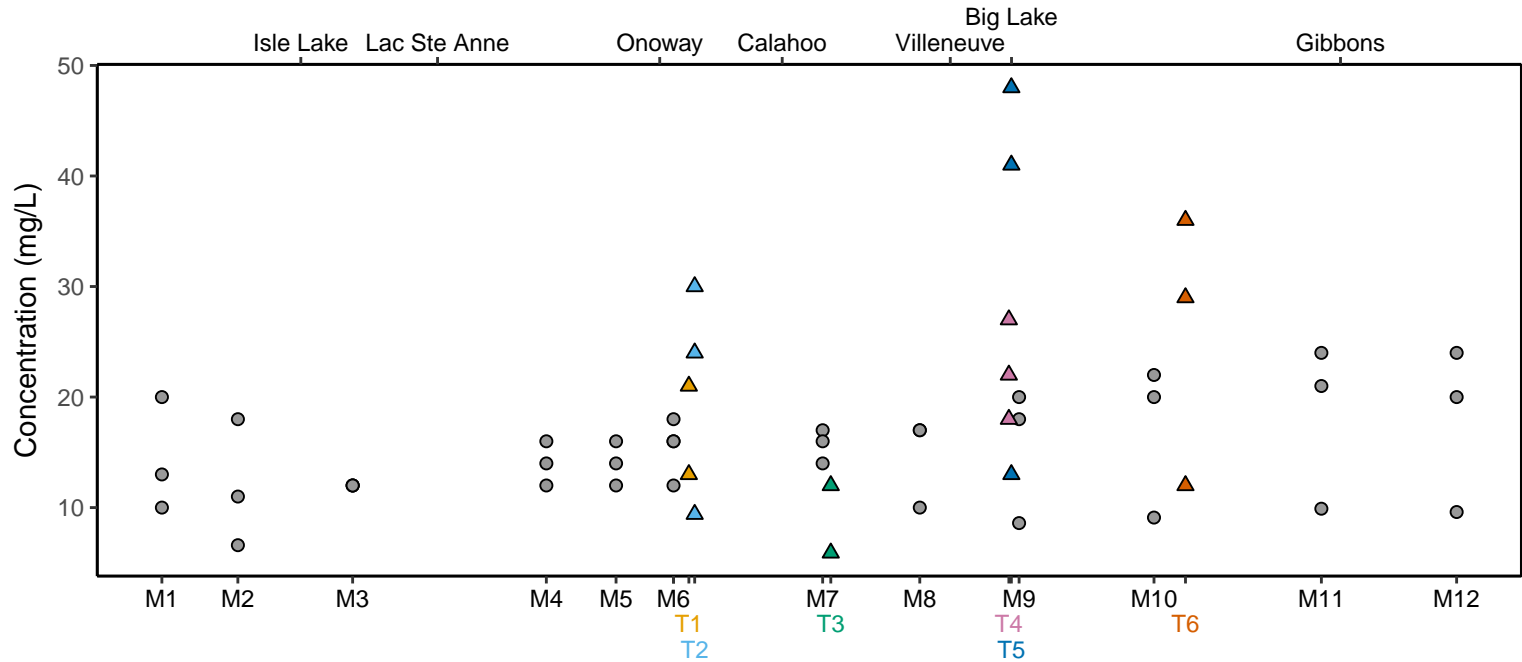
Dissolved Lithium (Li)

Open Water Period (Apr–Oct)



Dissolved Magnesium (Mg)

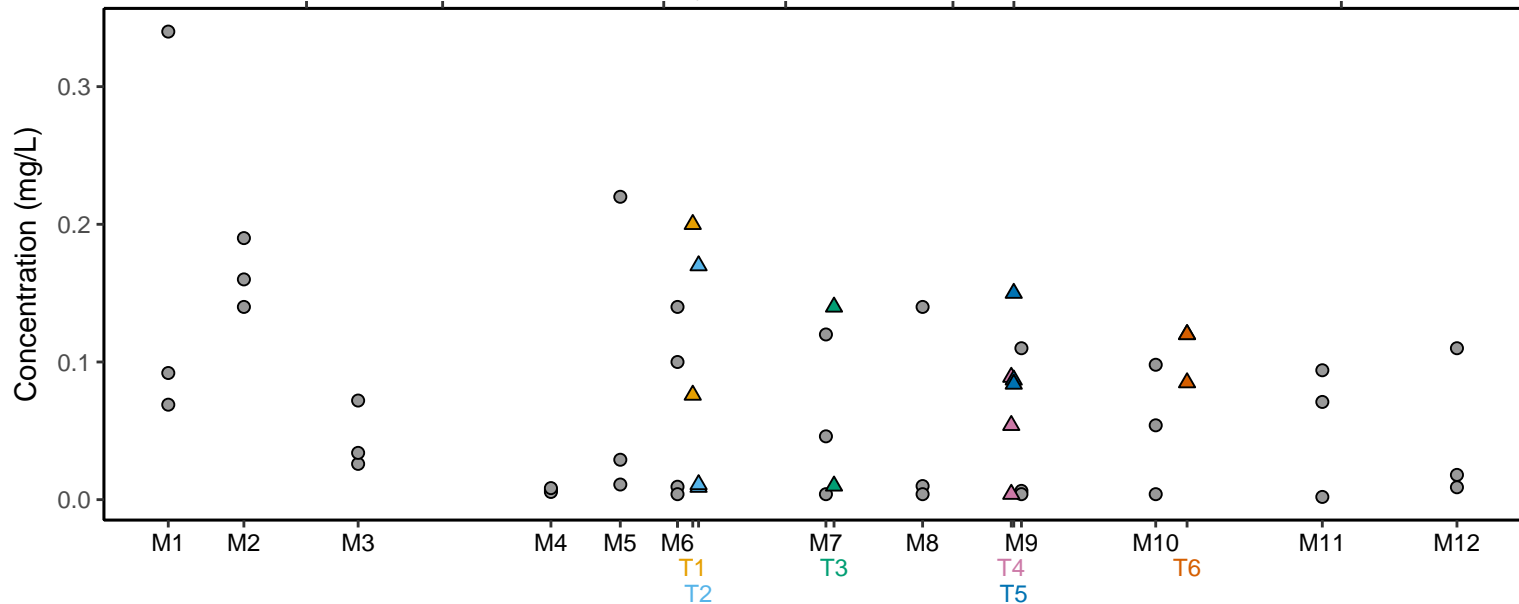
Open Water Period (Apr–Oct)



Dissolved Manganese (Mn)

Open Water Period (Apr–Oct)

Isle Lake Lac Ste Anne Onoway Calahoo Villeneuve Big Lake Gibbons



Dissolved Molybdenum (Mo)

Open Water Period (Apr–Oct)

Isle Lake

Lac Ste Anne

Onoway

Calahoo

Big Lake
Villeneuve

Gibbons

Concentration (mg/L)

0.0012

0.0008

0.0004

M1

M2

M3

M4

M5

M6

M7

M8

M9

M10

M11

M12

T1

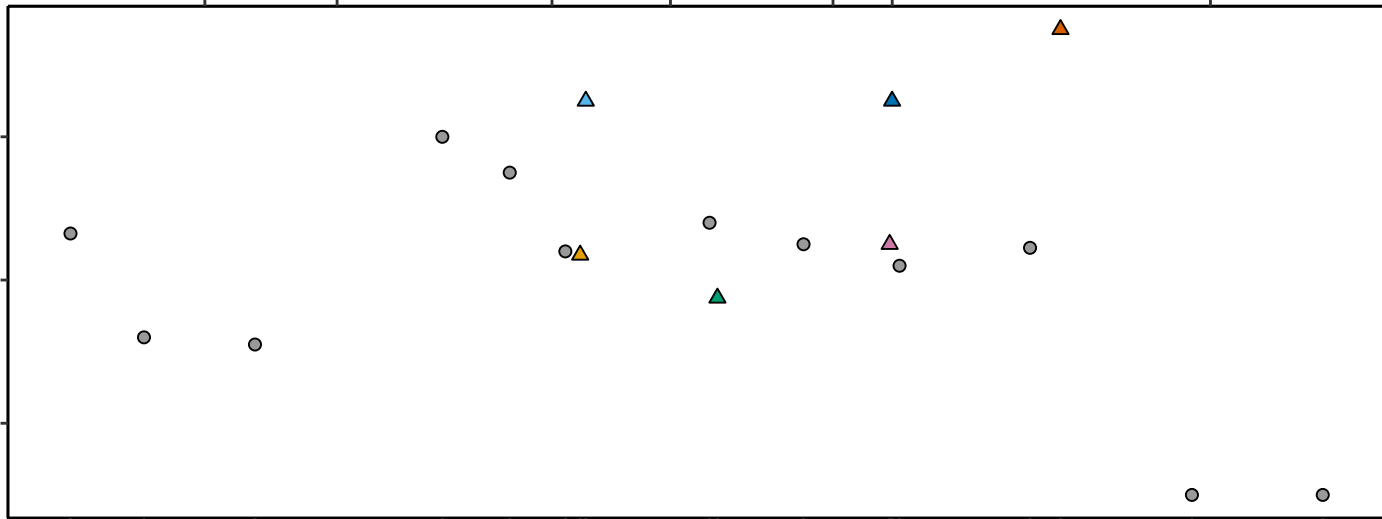
T2

T3

T4

T5

T6



Dissolved Nickel (Ni)

Open Water Period (Apr–Oct)

Isle Lake

Lac Ste Anne

Onoway

Calahoo

Big Lake
Villeneuve

Gibbons

Concentration (mg/L)

0.004
0.003
0.002
0.001

M1

M2

M3

M4

M5

M6

T1
T2

M7

T3

M8

M9

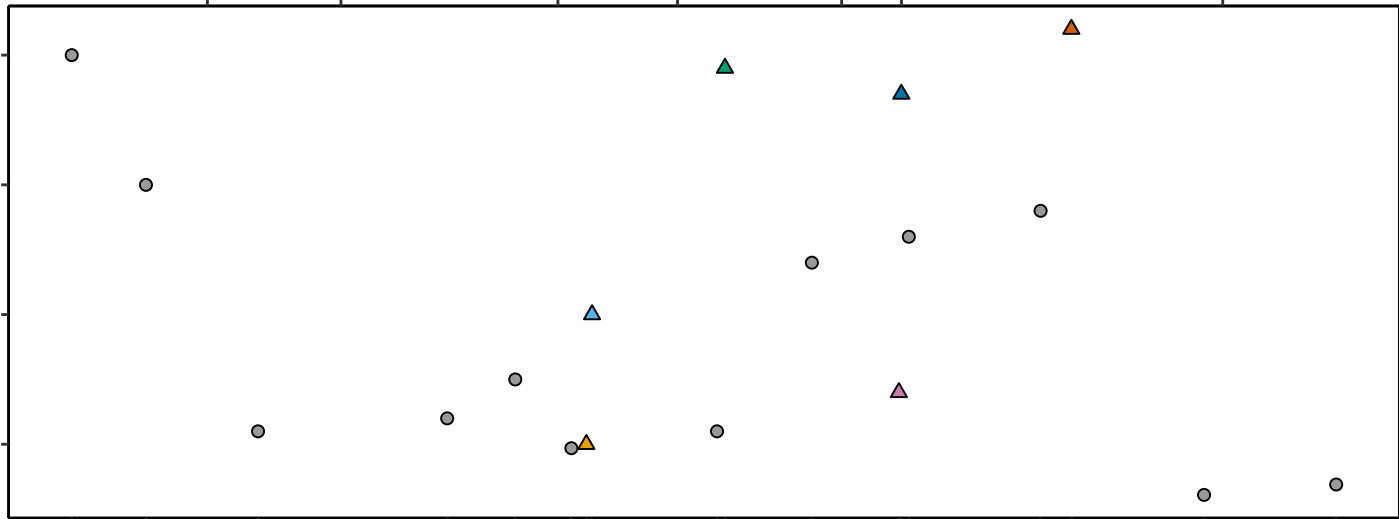
T4
T5

M10

T6

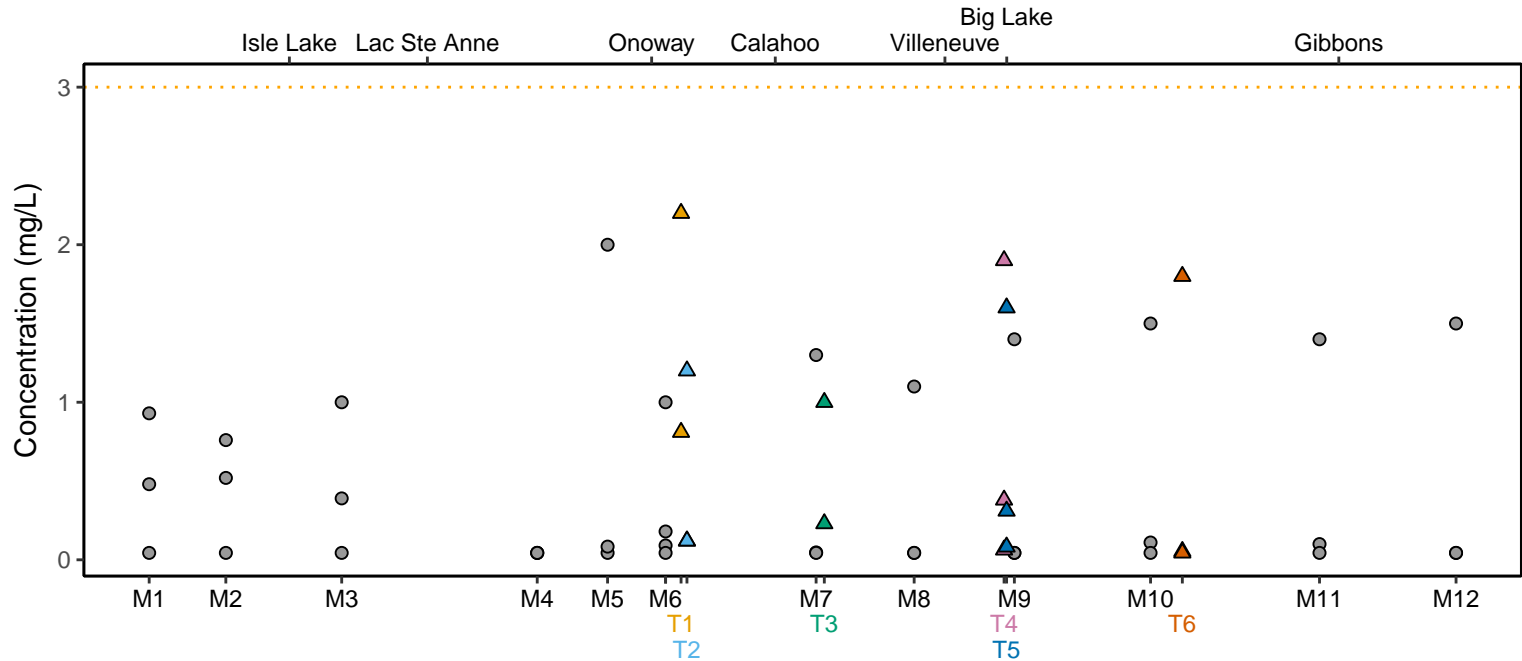
M11

M12



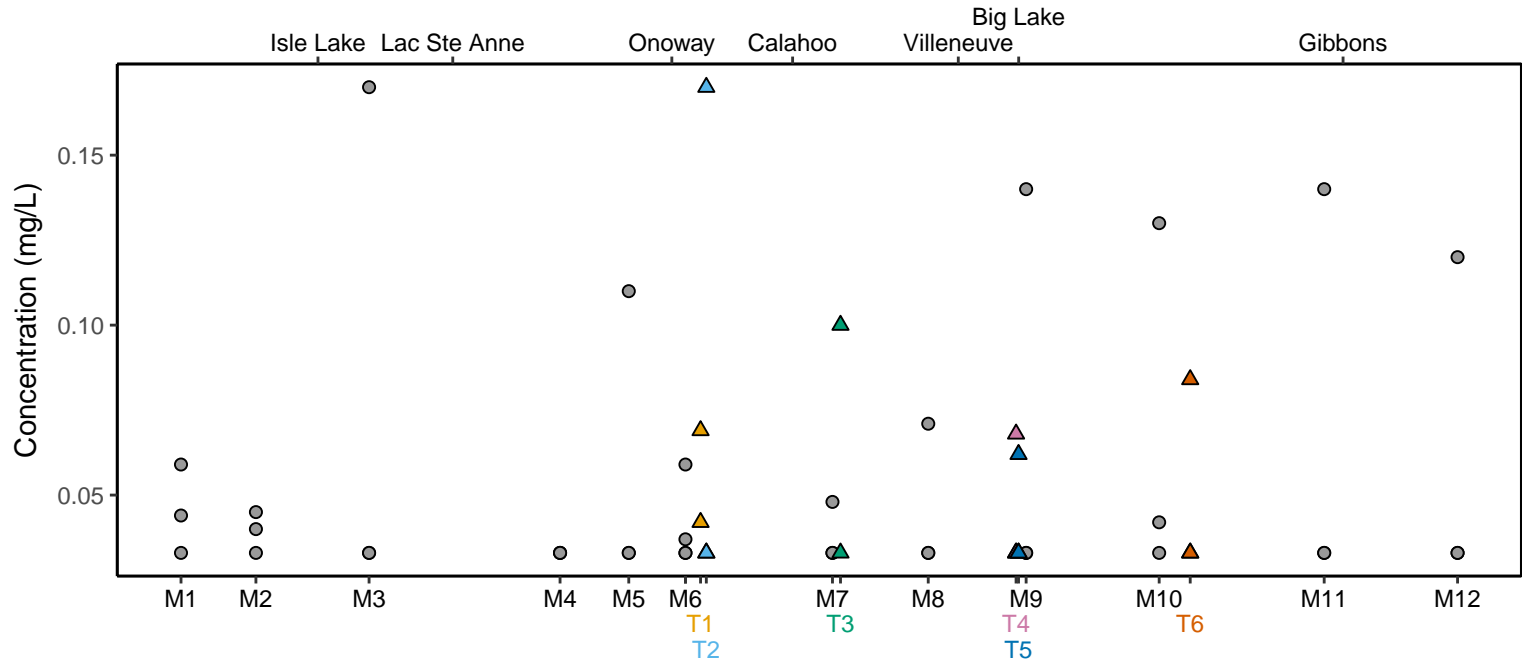
Dissolved Nitrate (NO₃)

Open Water Period (Apr–Oct)



Dissolved Nitrite (NO₂)

Open Water Period (Apr–Oct)

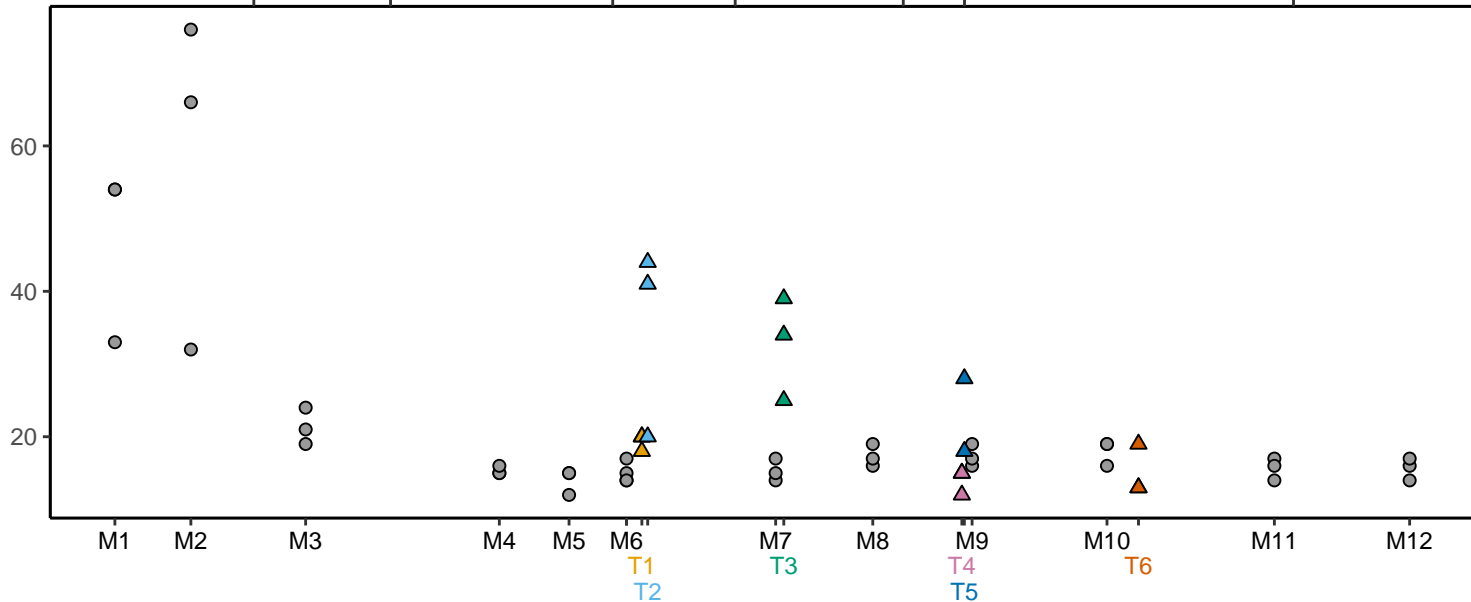


Dissolved Organic Carbon (C)

Open Water Period (Apr–Oct)

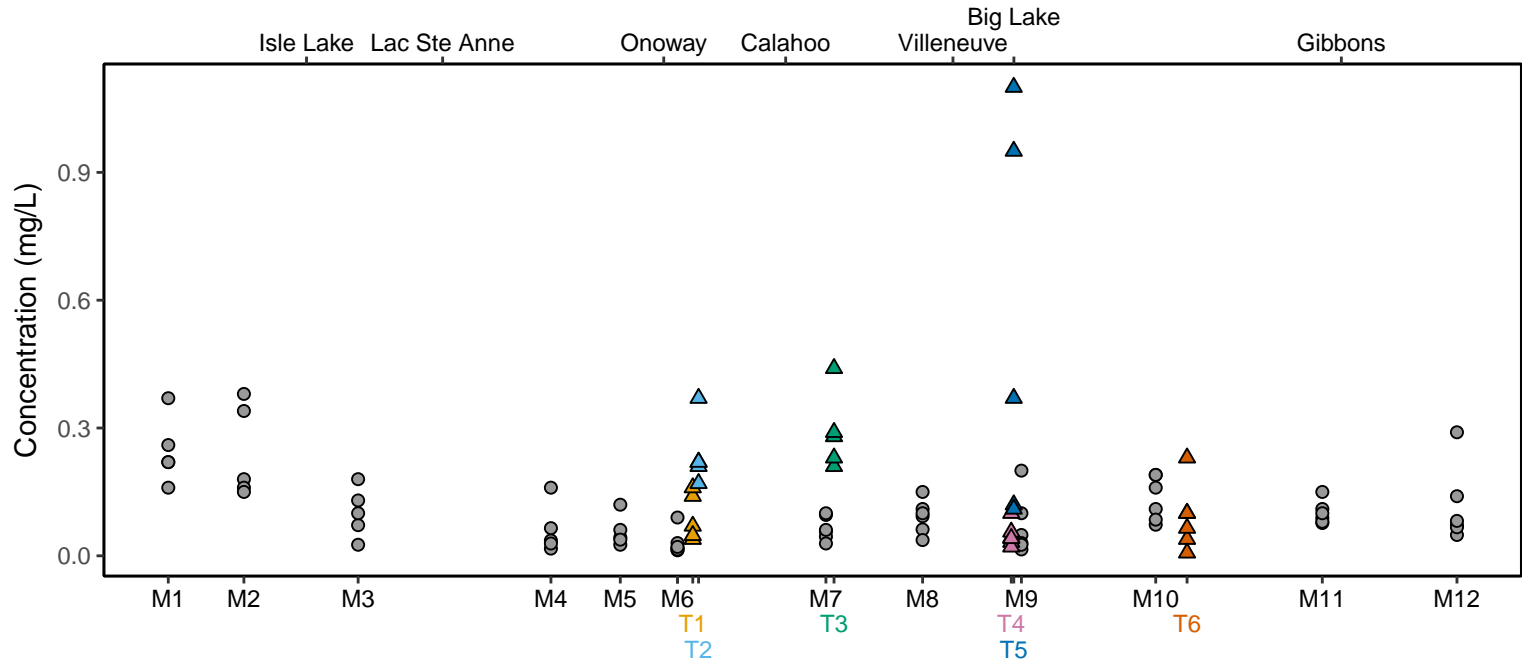
Isle Lake Lac Ste Anne Onoway Calahoo Villeneuve Big Lake Gibbons

Concentration (mg/L)



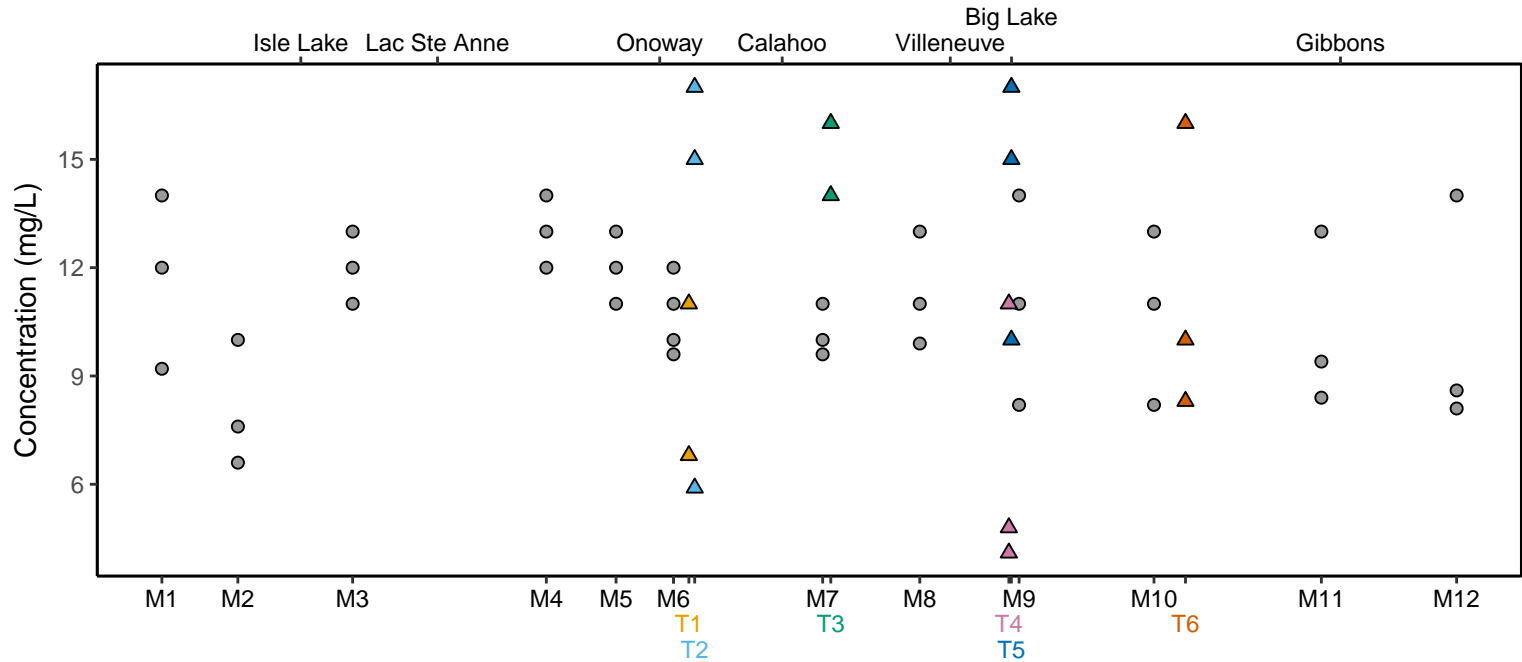
Dissolved Phosphorus (P)

Open Water Period (Apr–Oct)



Dissolved Potassium (K)

Open Water Period (Apr–Oct)



Dissolved Selenium (Se)

Open Water Period (Apr–Oct)

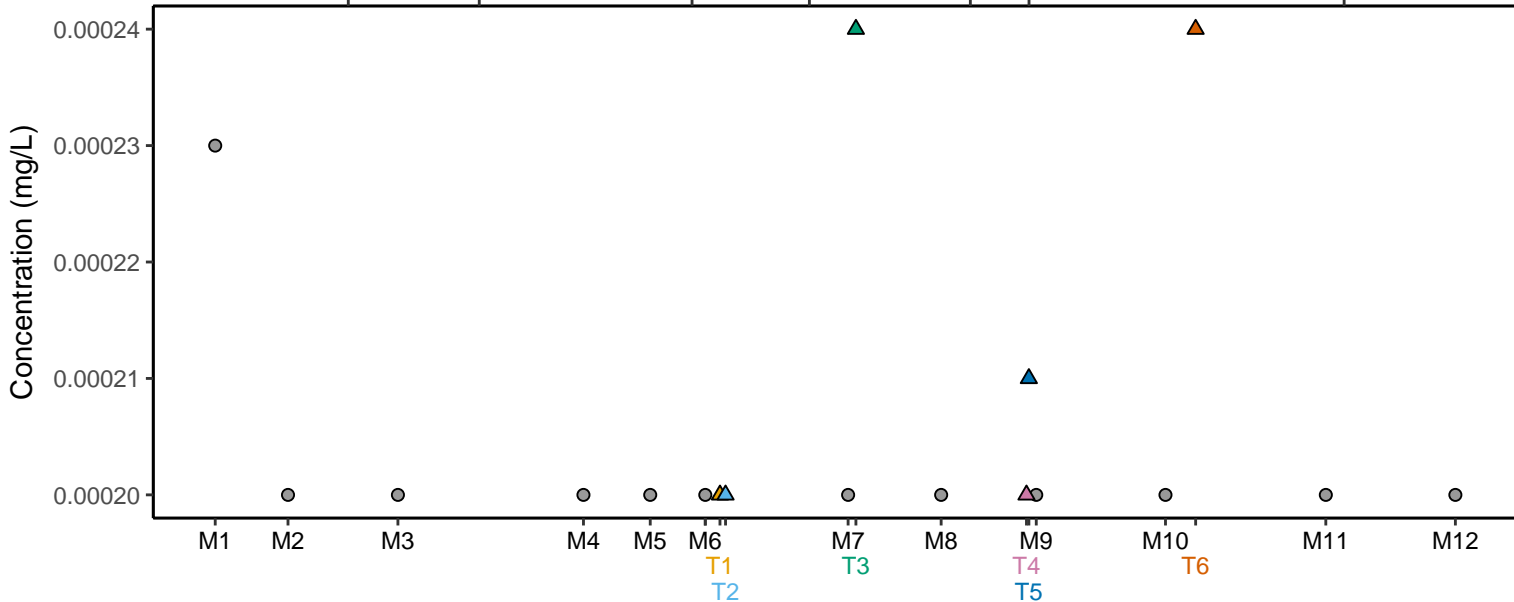
Isle Lake Lac Ste Anne

Onoway

Calahoo

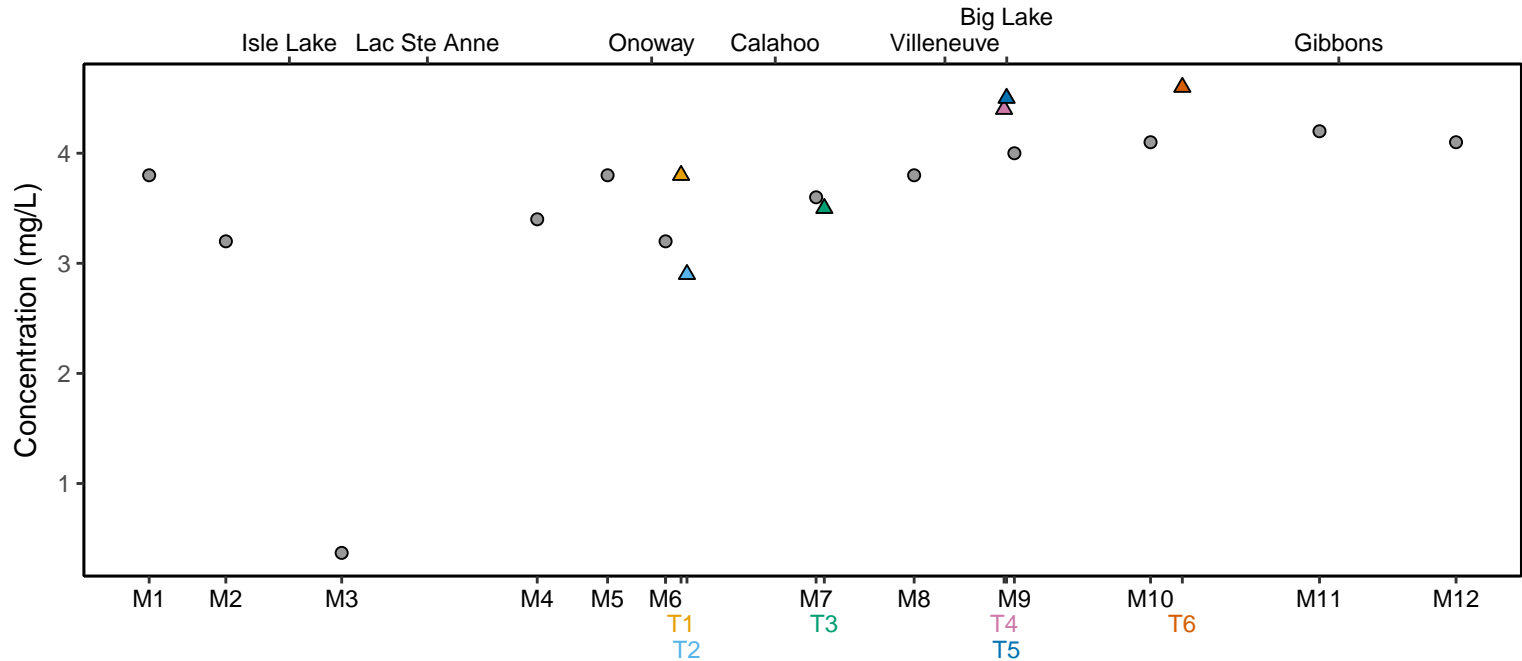
Big Lake
Villeneuve

Gibbons



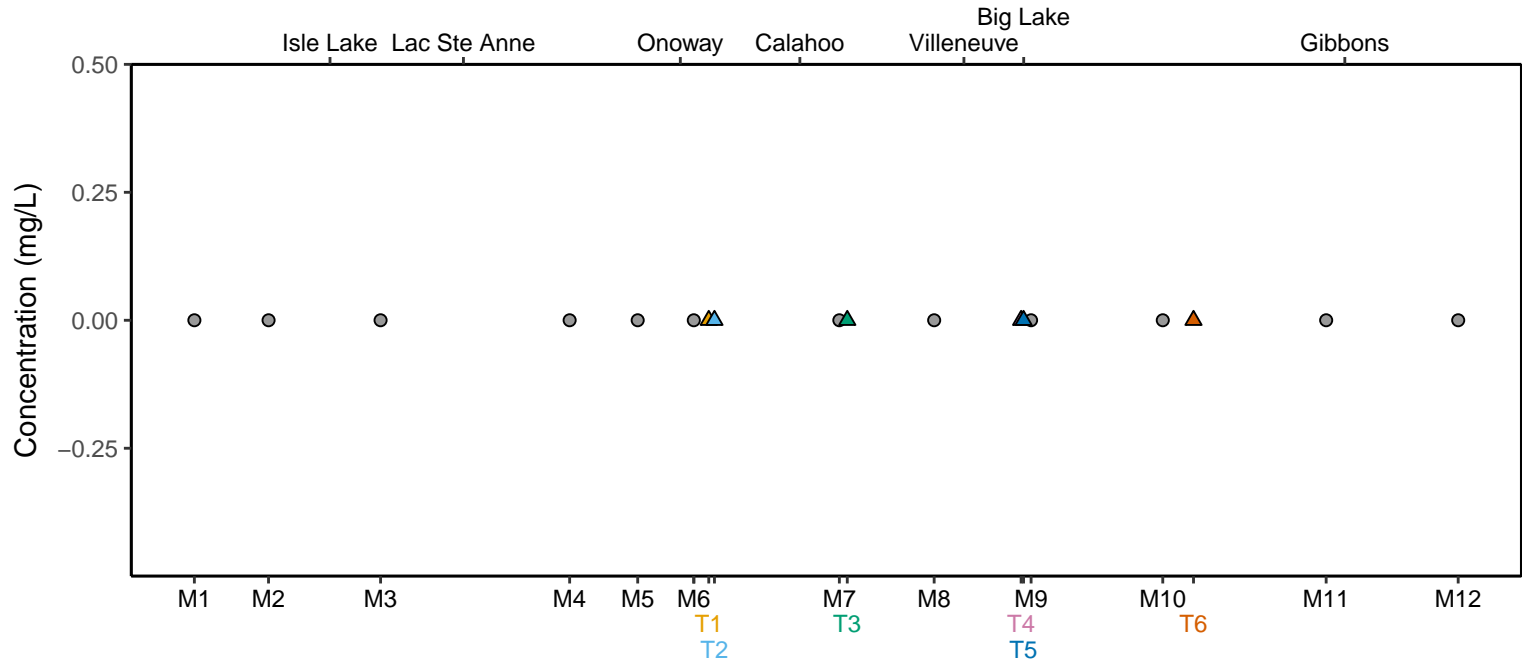
Dissolved Silicon (Si)

Open Water Period (Apr–Oct)



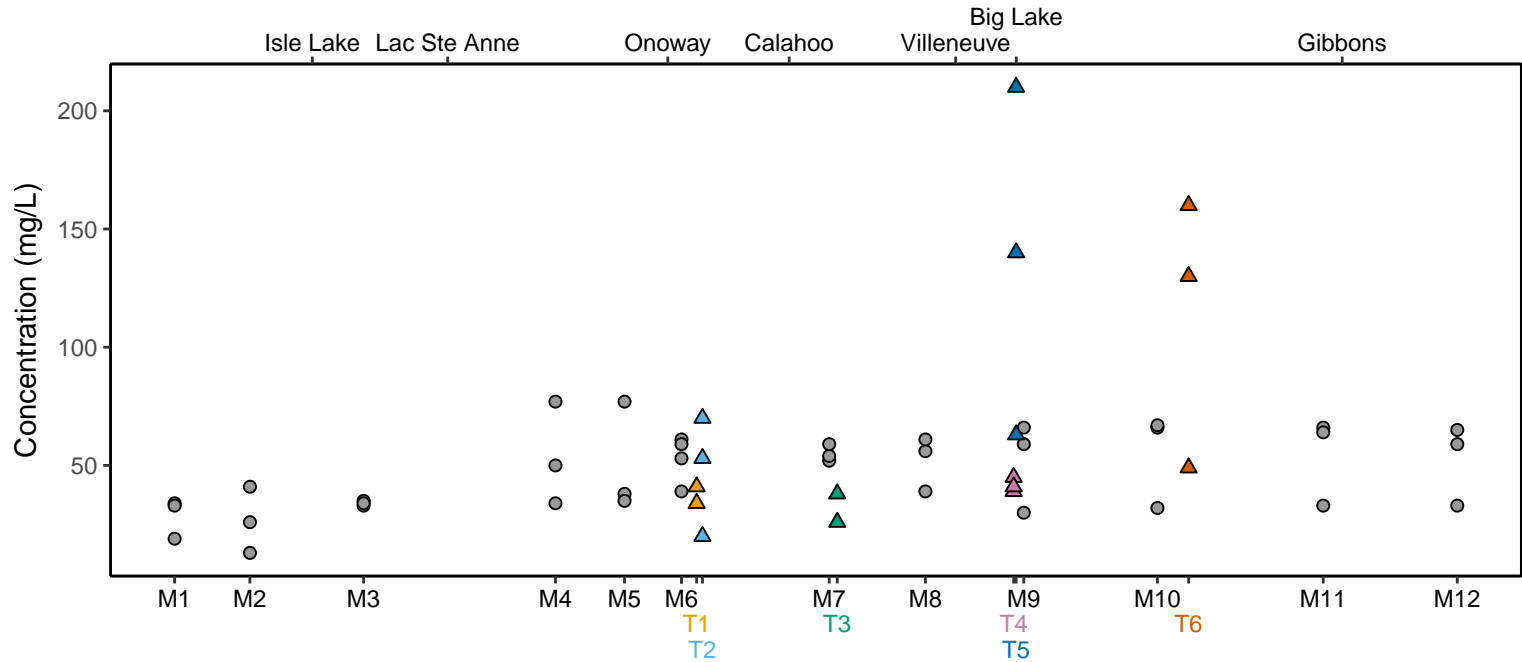
Dissolved Silver (Ag)

Open Water Period (Apr–Oct)



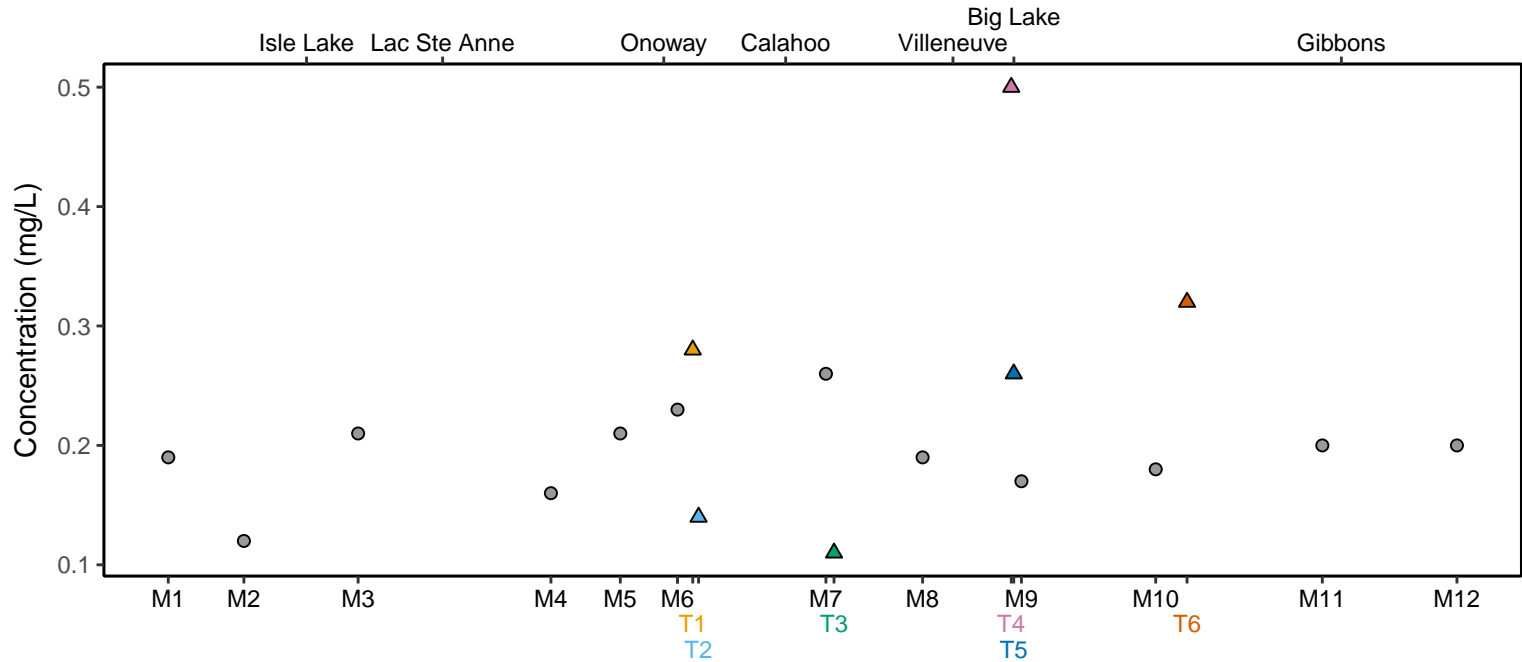
Dissolved Sodium (Na)

Open Water Period (Apr–Oct)



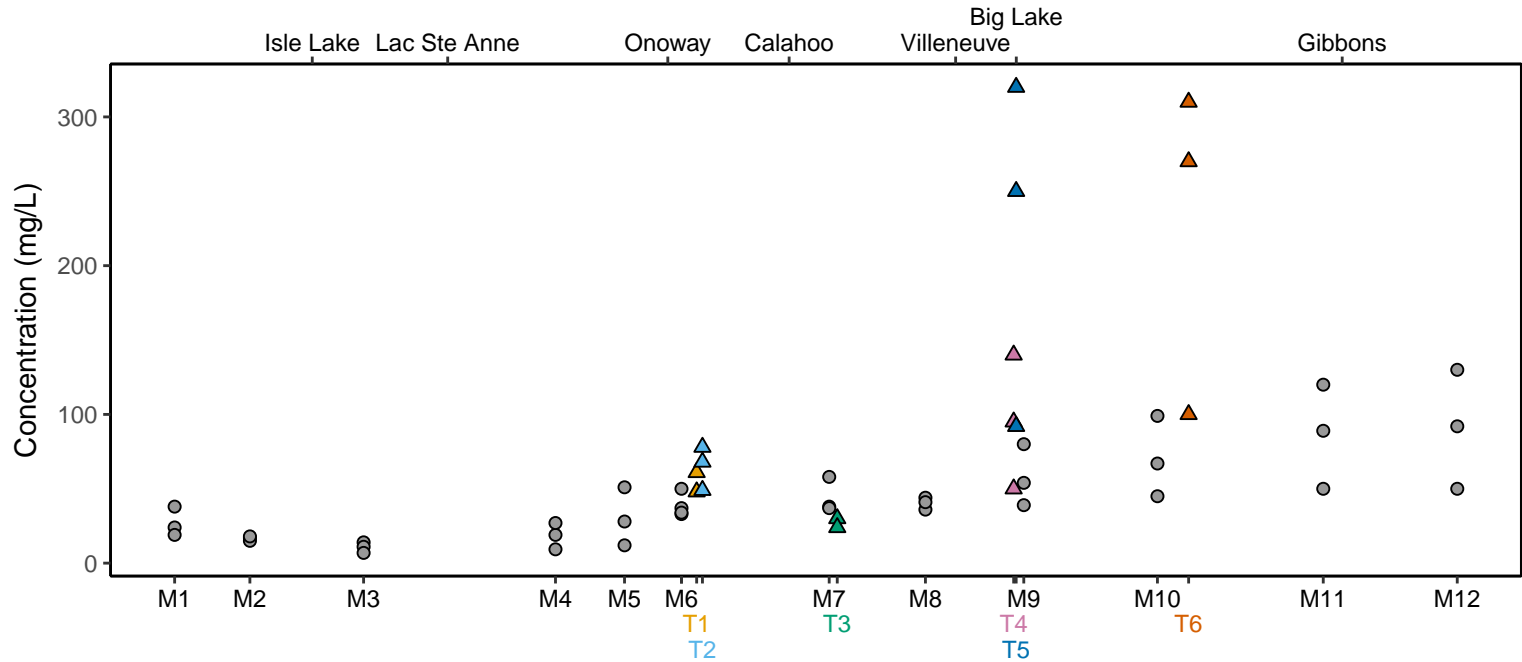
Dissolved Strontium (Sr)

Open Water Period (Apr–Oct)



Dissolved Sulphate (SO₄)

Open Water Period (Apr–Oct)



Dissolved Sulphur (S)

Open Water Period (Apr–Oct)

Isle Lake

Lac Ste Anne

Onoway

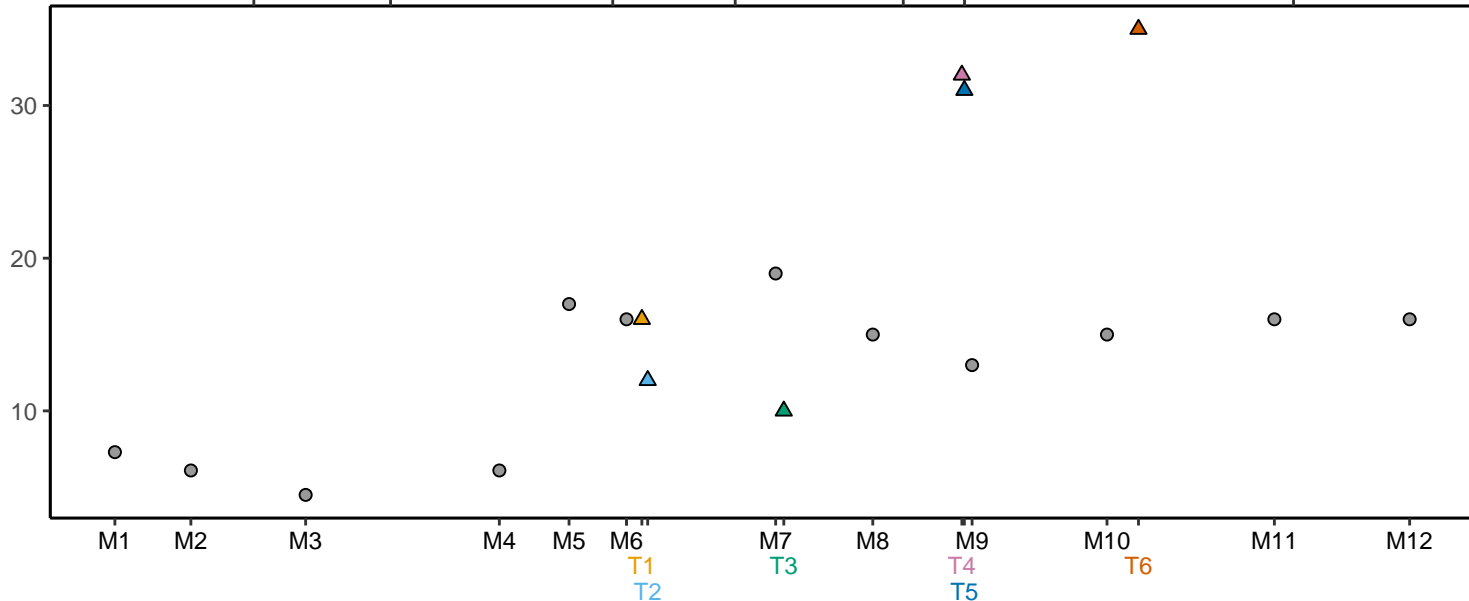
Calahoo

Villeneuve

Big Lake

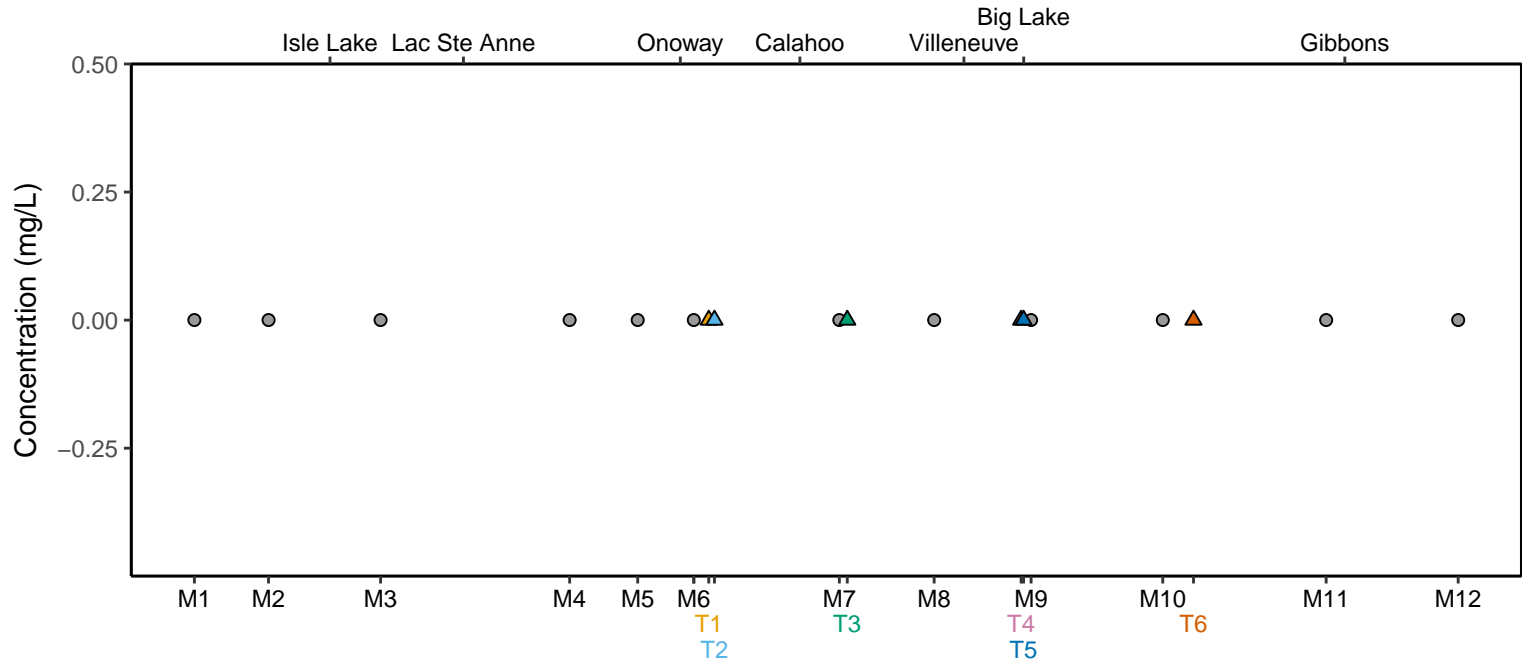
Gibbons

Concentration (mg/L)



Dissolved Thallium (Tl)

Open Water Period (Apr–Oct)



Dissolved Tin (Sn)

Open Water Period (Apr–Oct)

Isle Lake

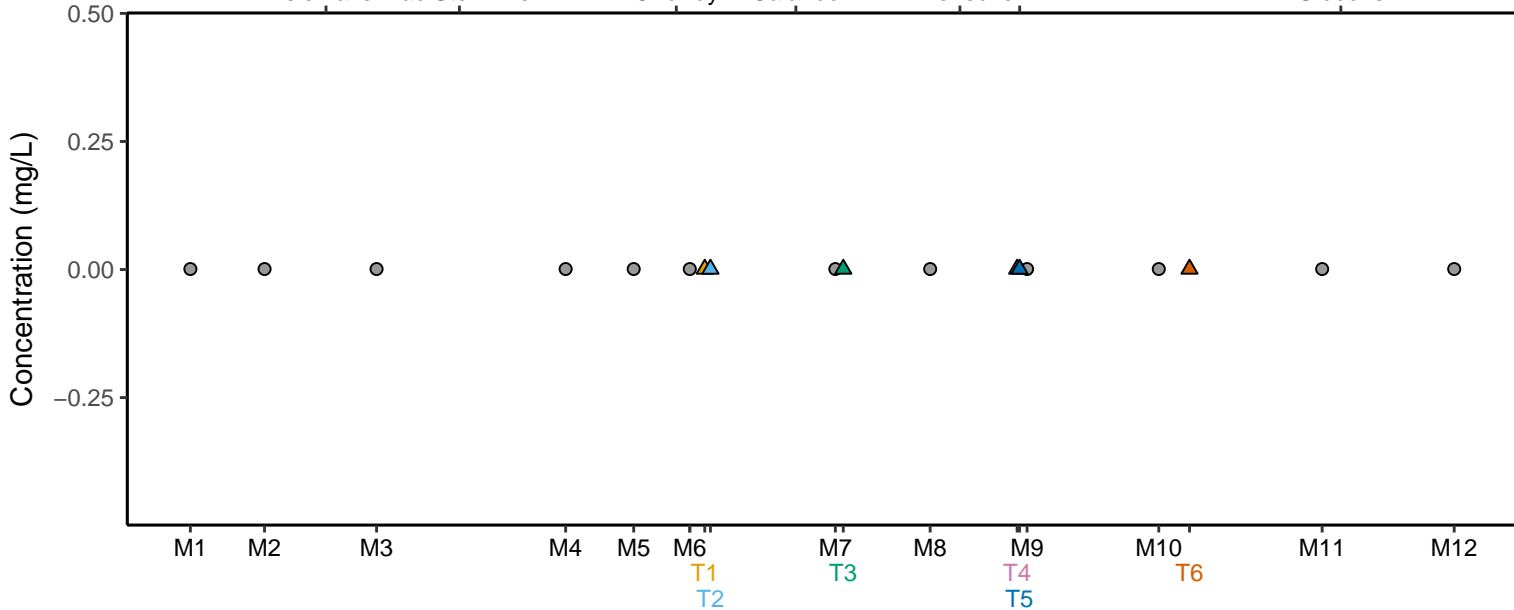
Lac Ste Anne

Onoway

Calahoo

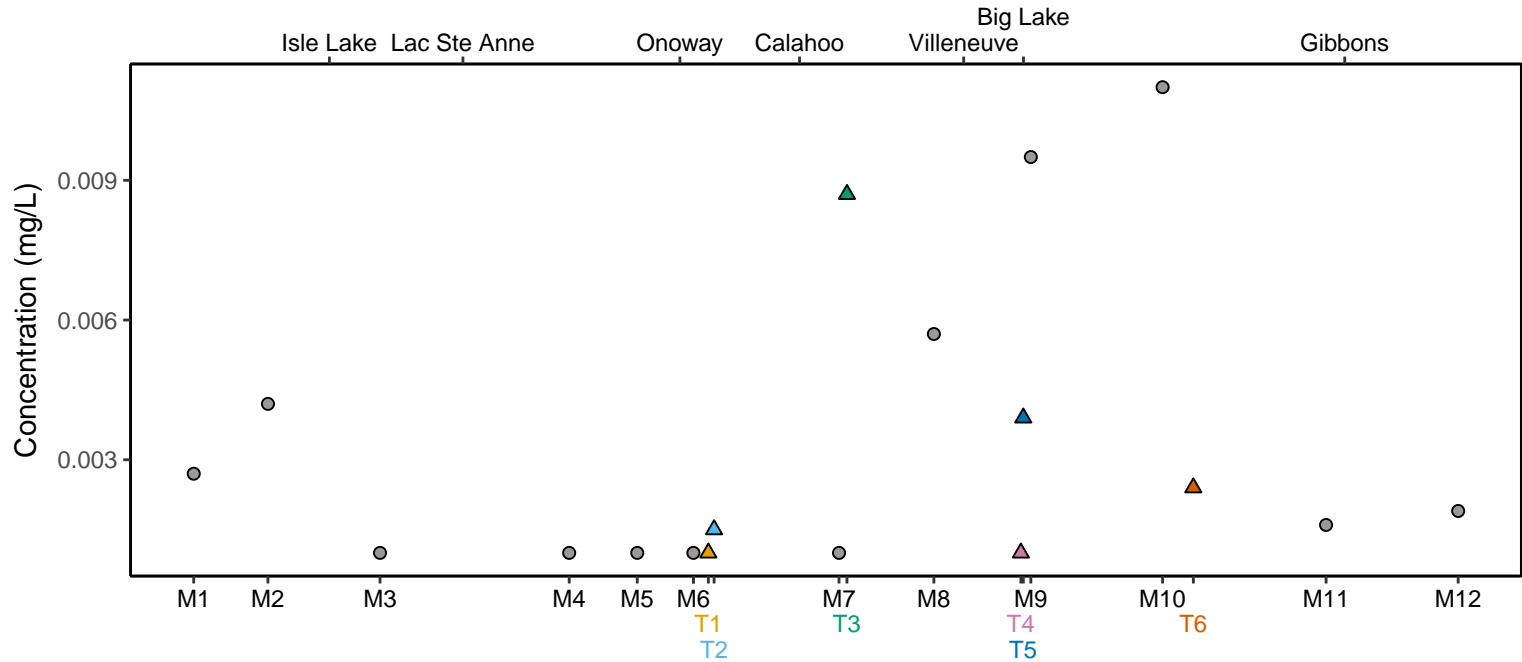
Big Lake
Villeneuve

Gibbons



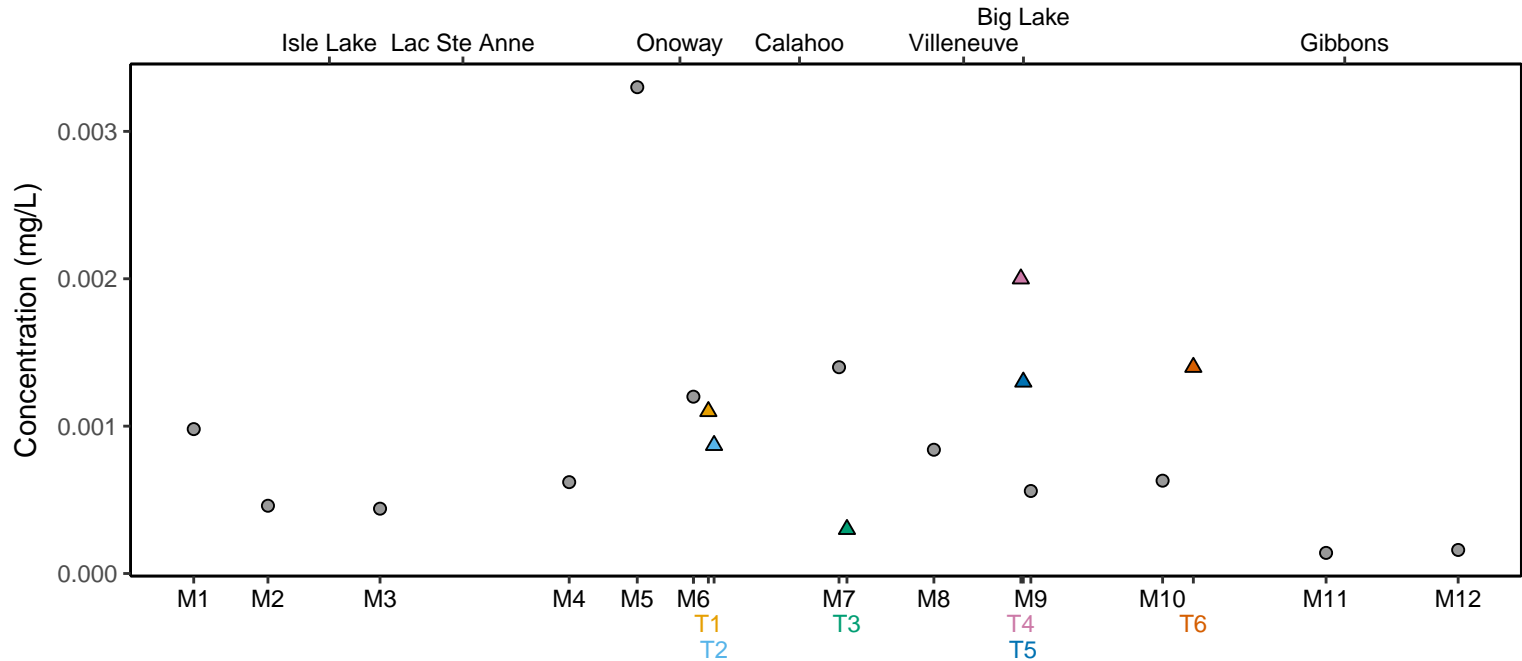
Dissolved Titanium (Ti)

Open Water Period (Apr–Oct)



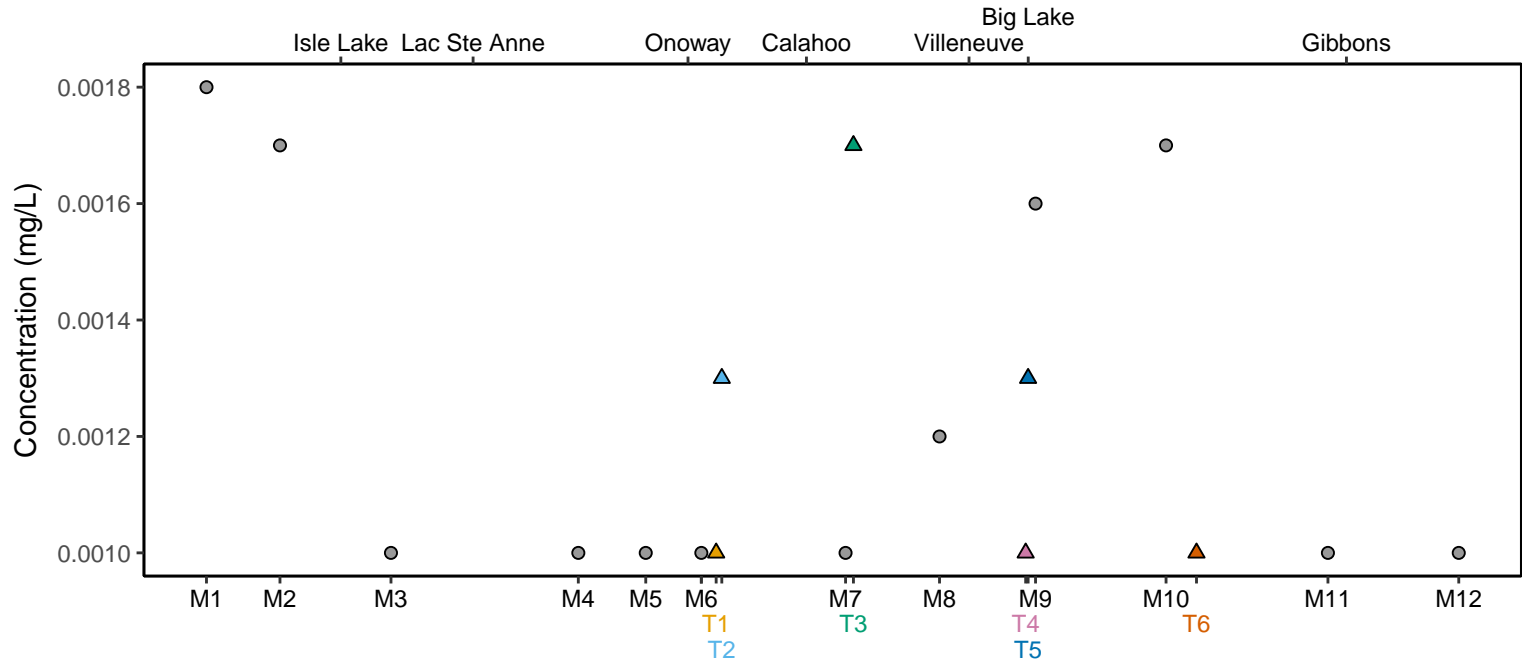
Dissolved Uranium (U)

Open Water Period (Apr–Oct)



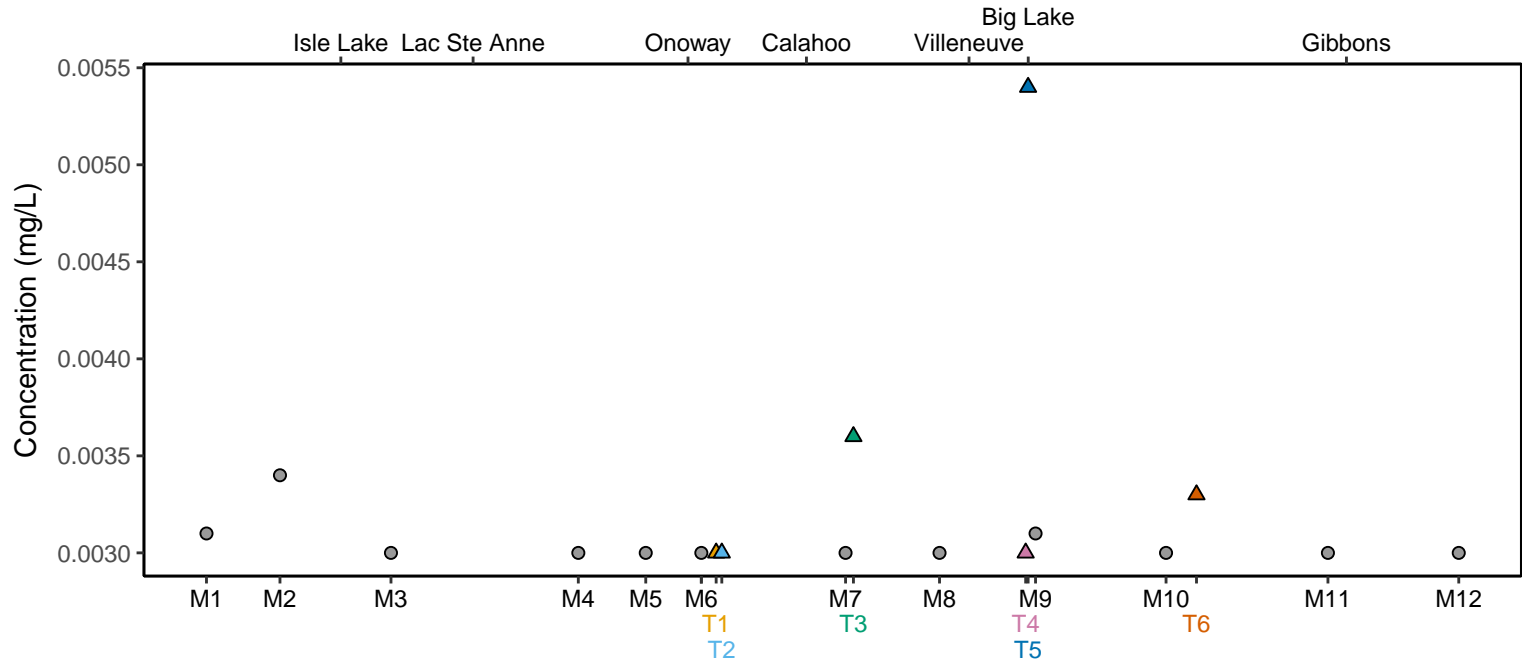
Dissolved Vanadium (V)

Open Water Period (Apr–Oct)



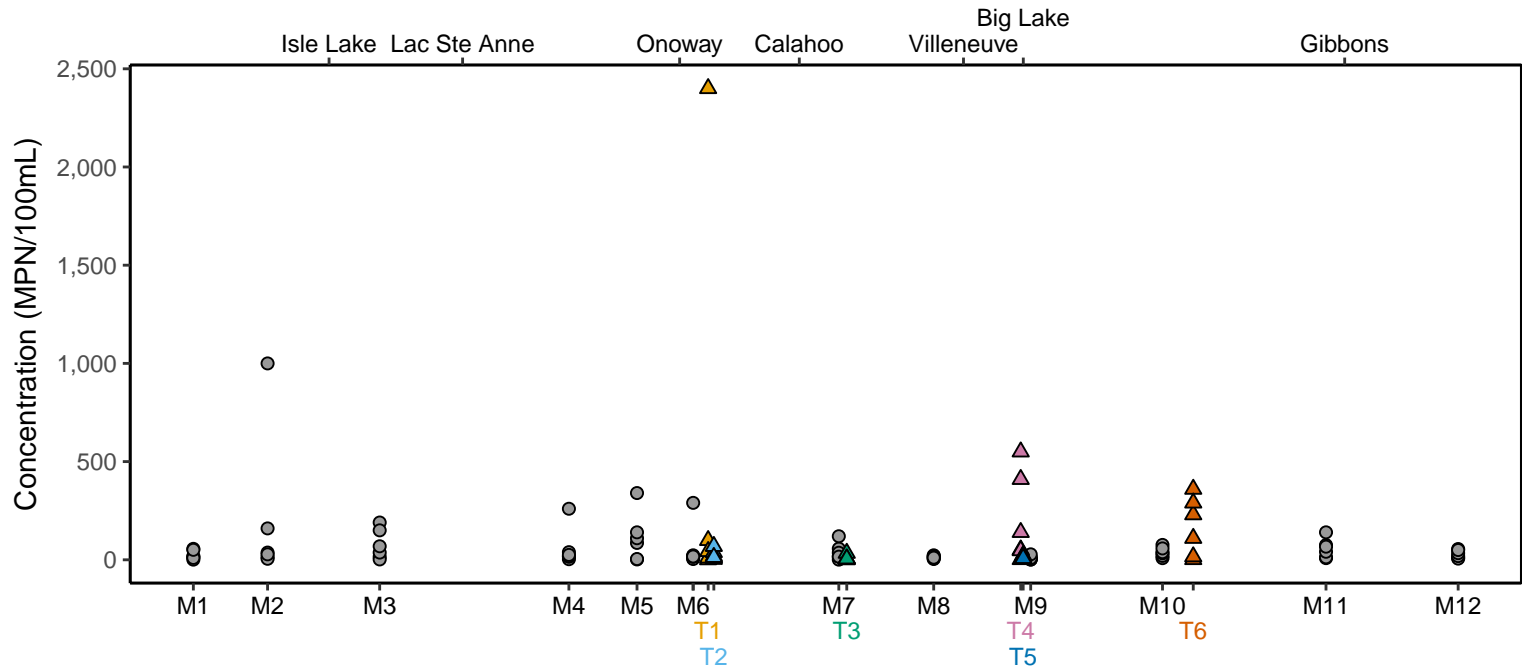
Dissolved Zinc (Zn)

Open Water Period (Apr–Oct)



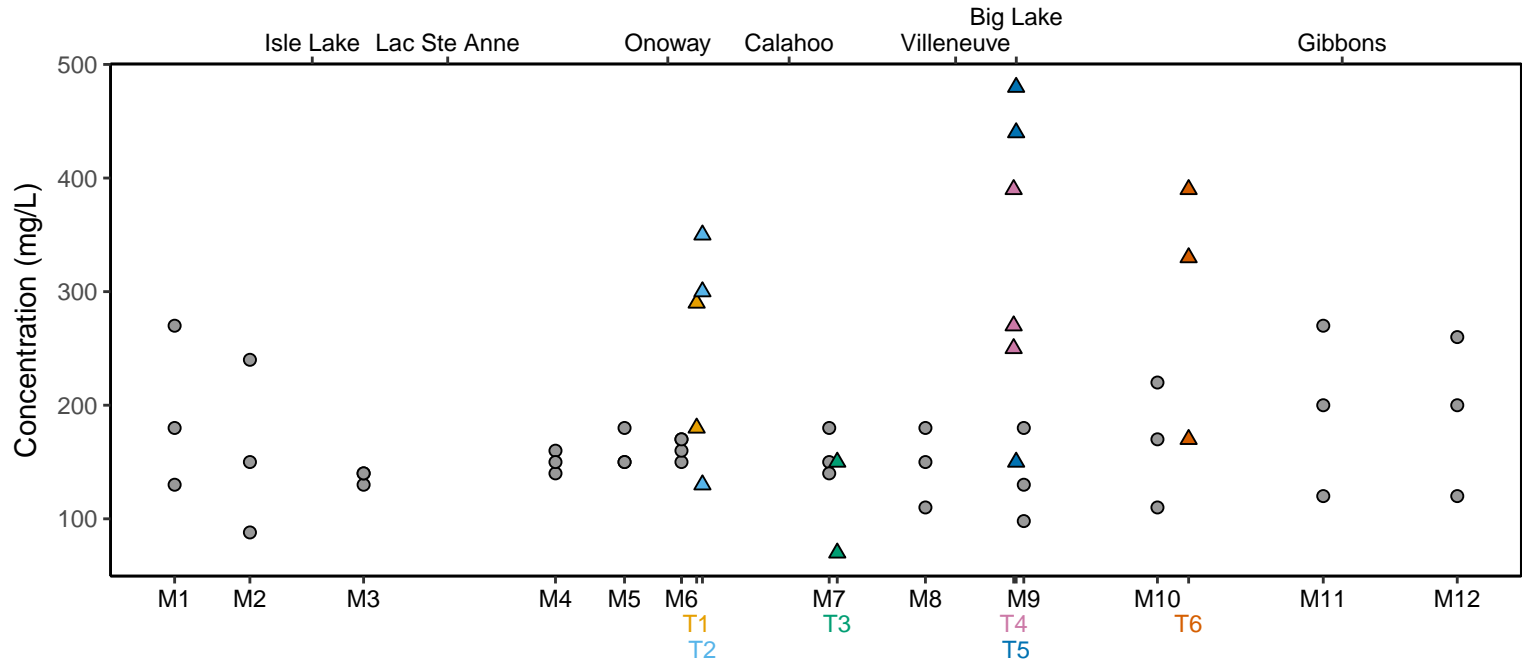
E.Coli DST

Open Water Period (Apr–Oct)



Hardness (CaCO₃)

Open Water Period (Apr–Oct)



MCPA

Open Water Period (Apr–Oct)

Isle Lake

Lac Ste Anne

Onoway

Calahoo

Villeneuve

Big Lake

Gibbons

Concentration (ug/L)

0.3

0.2

0.1

M1

M2

M3

M4

M5

M6

M7

M8

M9

M10

M11

M12

T1

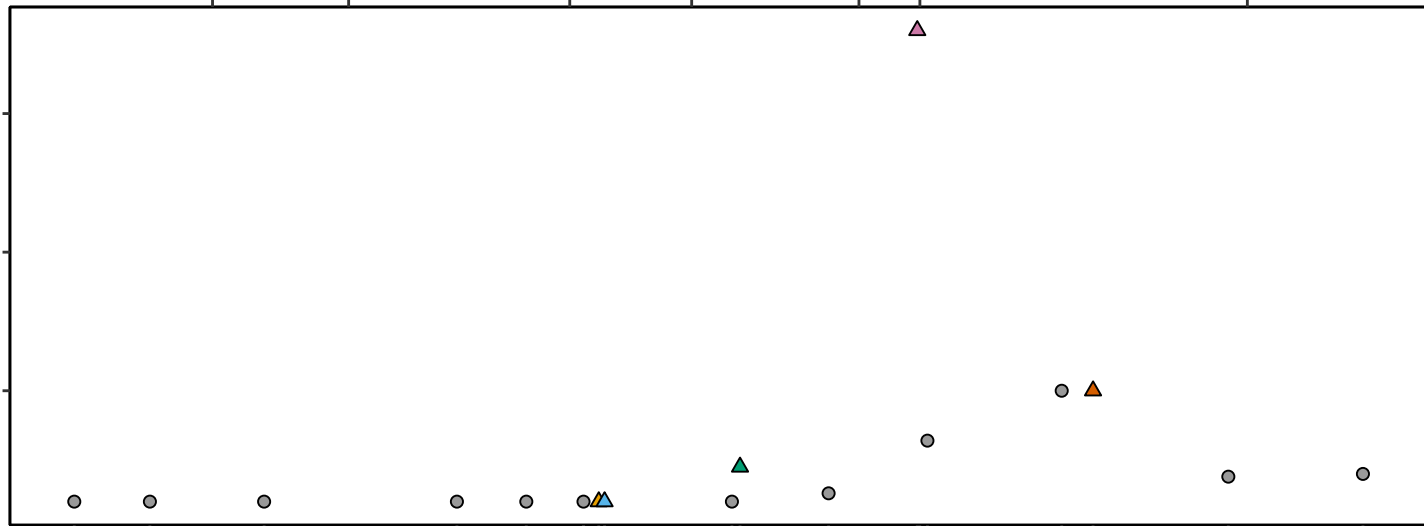
T2

T3

T4

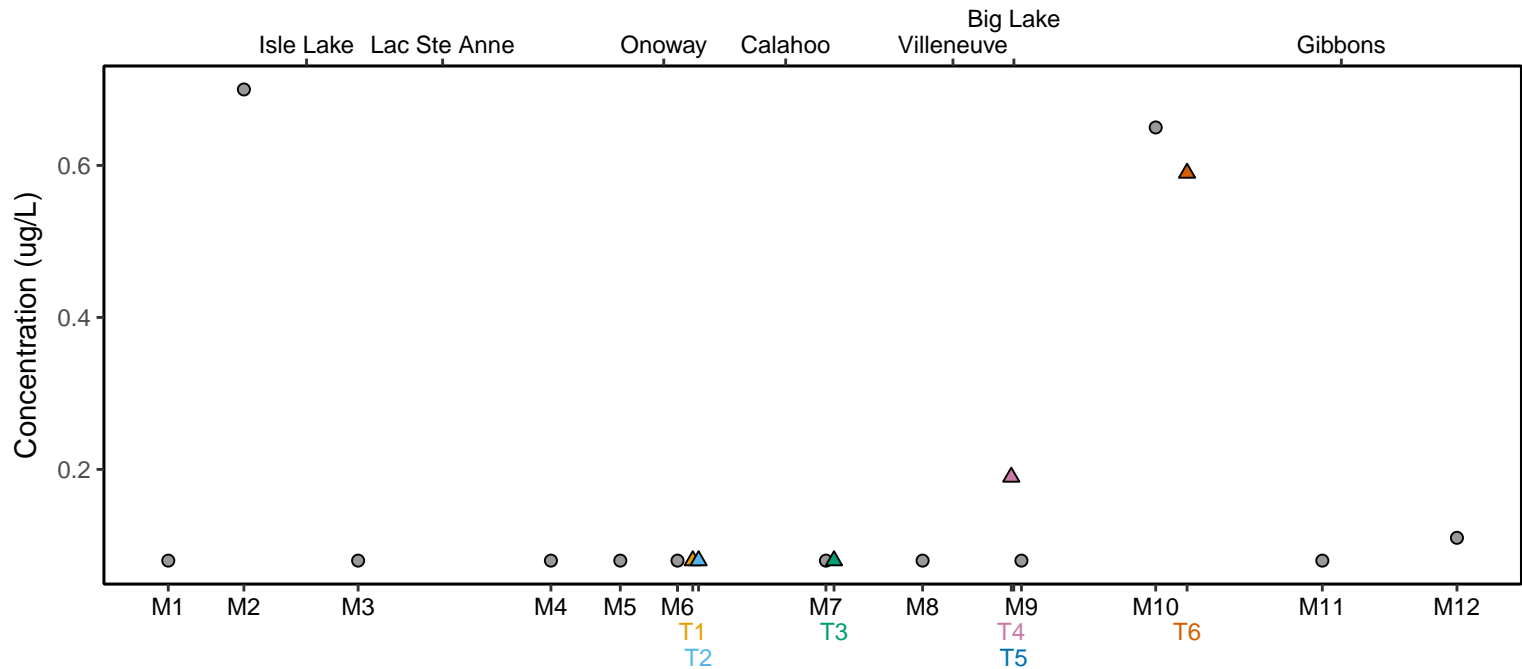
T5

T6



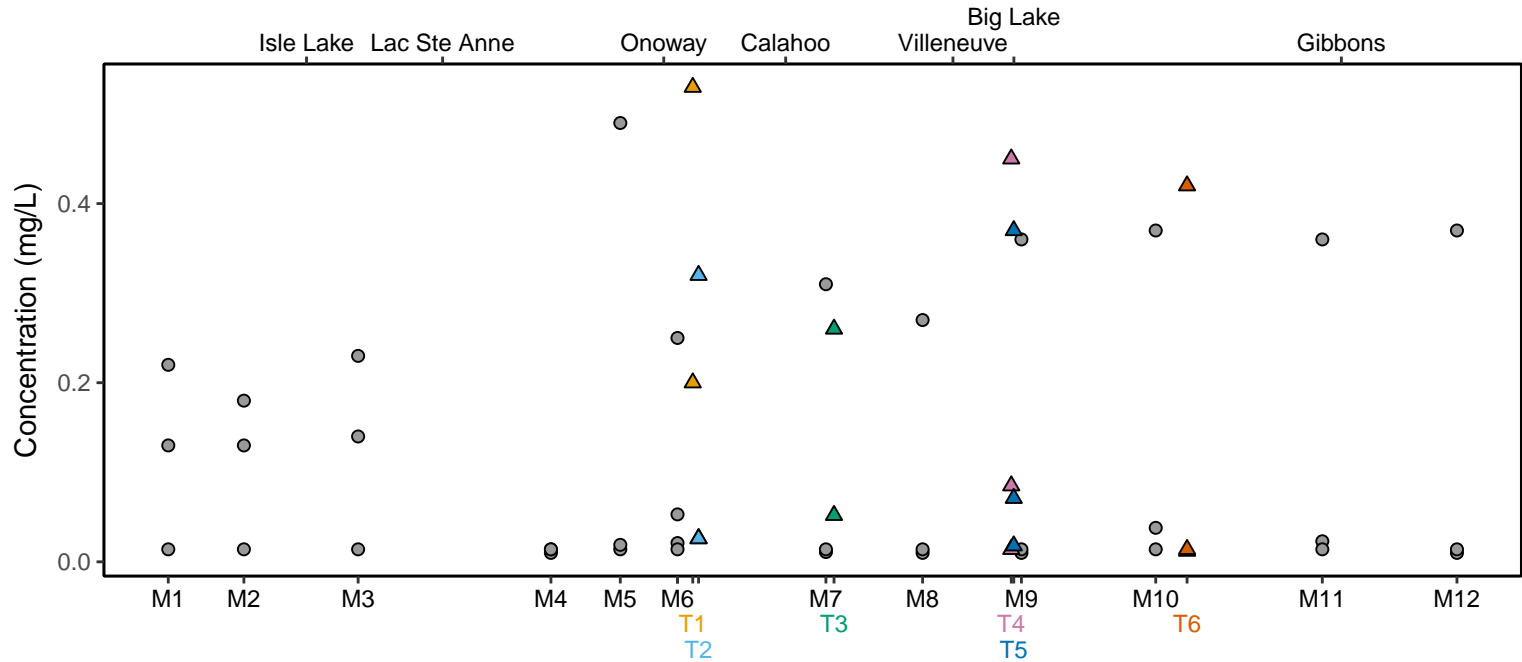
MCPPP

Open Water Period (Apr–Oct)



Nitrate plus Nitrite (N)

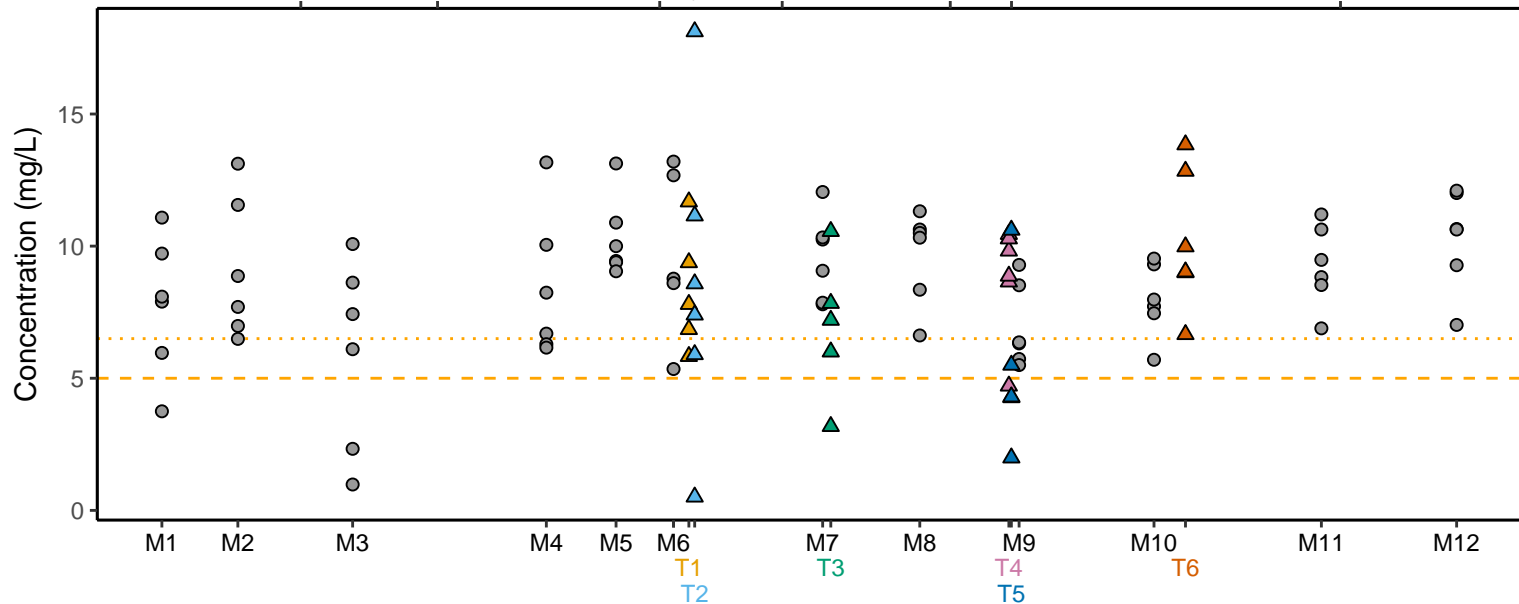
Open Water Period (Apr–Oct)



Dissolved Oxygen (field)

Open Water Period (Apr–Oct)

Isle Lake Lac Ste Anne Onoway Calahoo Villeneuve Big Lake Gibbons



Pentachlorophenol

Open Water Period (Apr–Oct)

Isle Lake

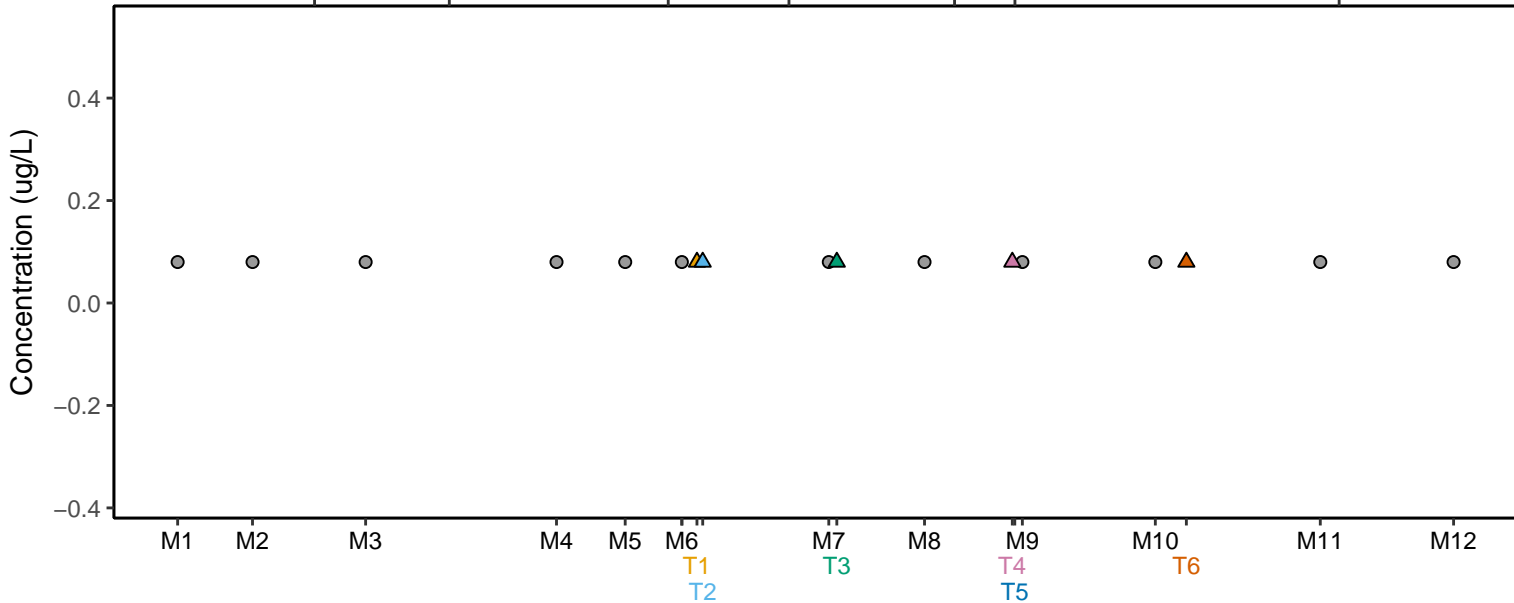
Lac Ste Anne

Onoway

Calahoo

Big Lake
Villeneuve

Gibbons



pH (field)

Open Water Period (Apr–Oct)

Isle Lake

Lac Ste Anne

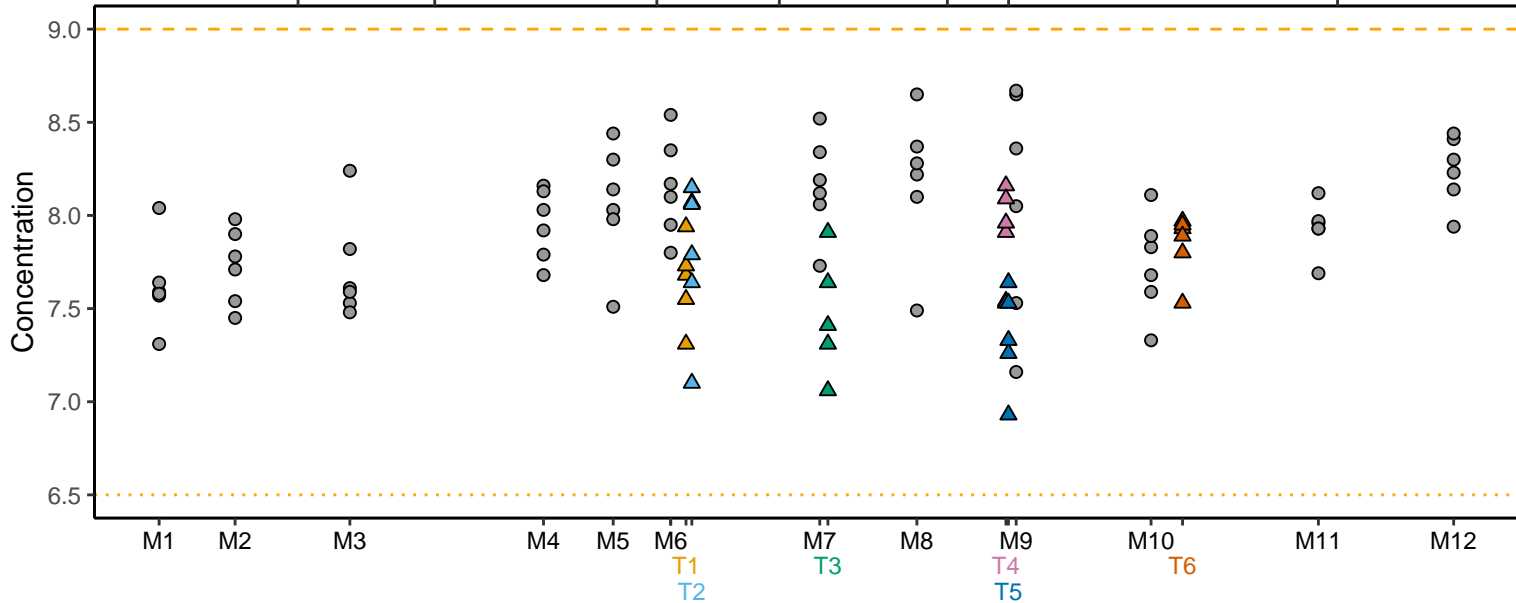
Onoway

Calahoo

Villeneuve

Big Lake

Gibbons



Picloram

Open Water Period (Apr–Oct)

Isle Lake

Lac Ste Anne

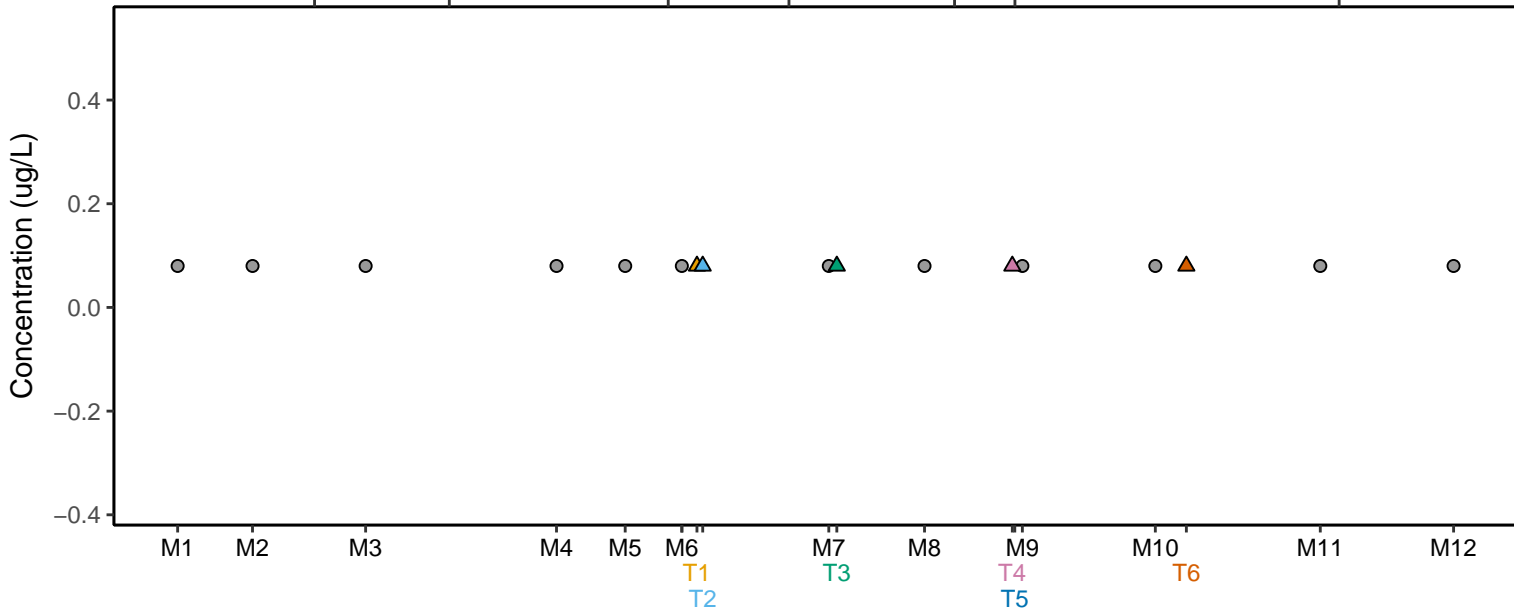
Onoway

Calahoo

Villeneuve

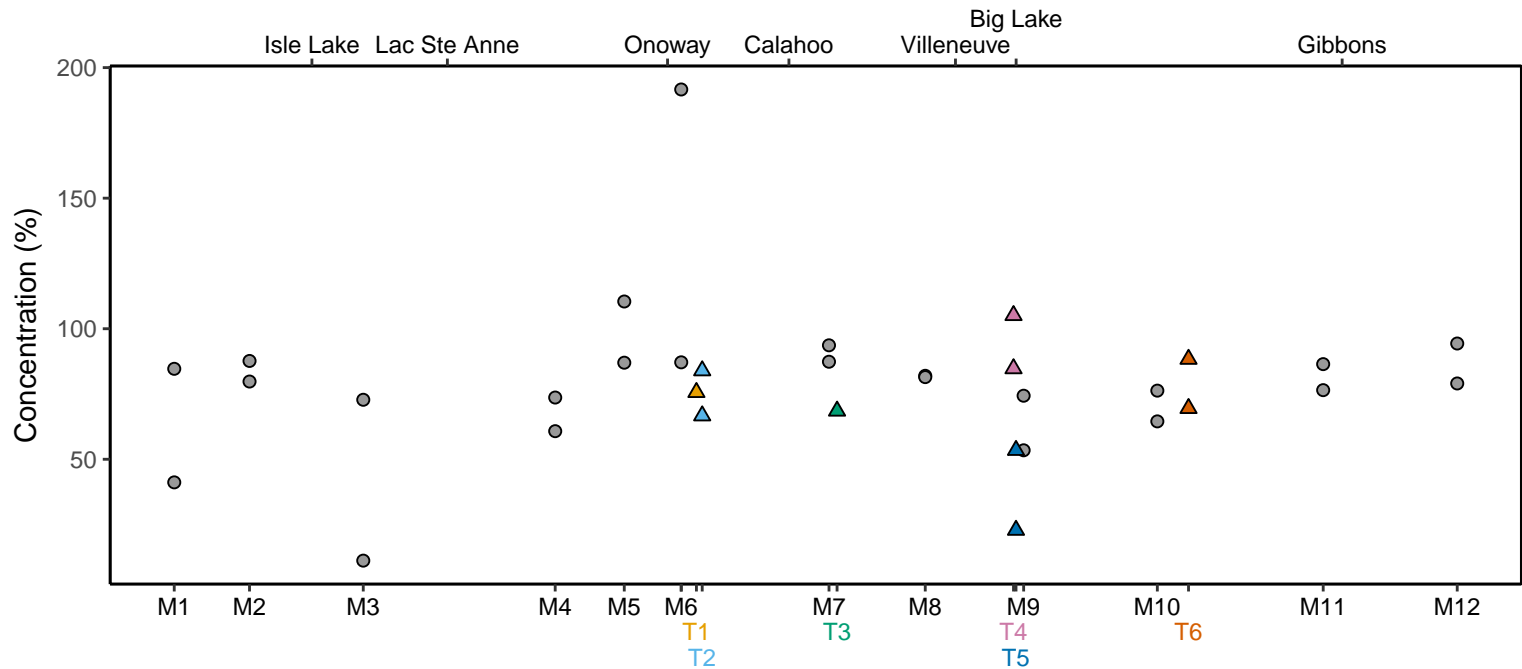
Big Lake

Gibbons



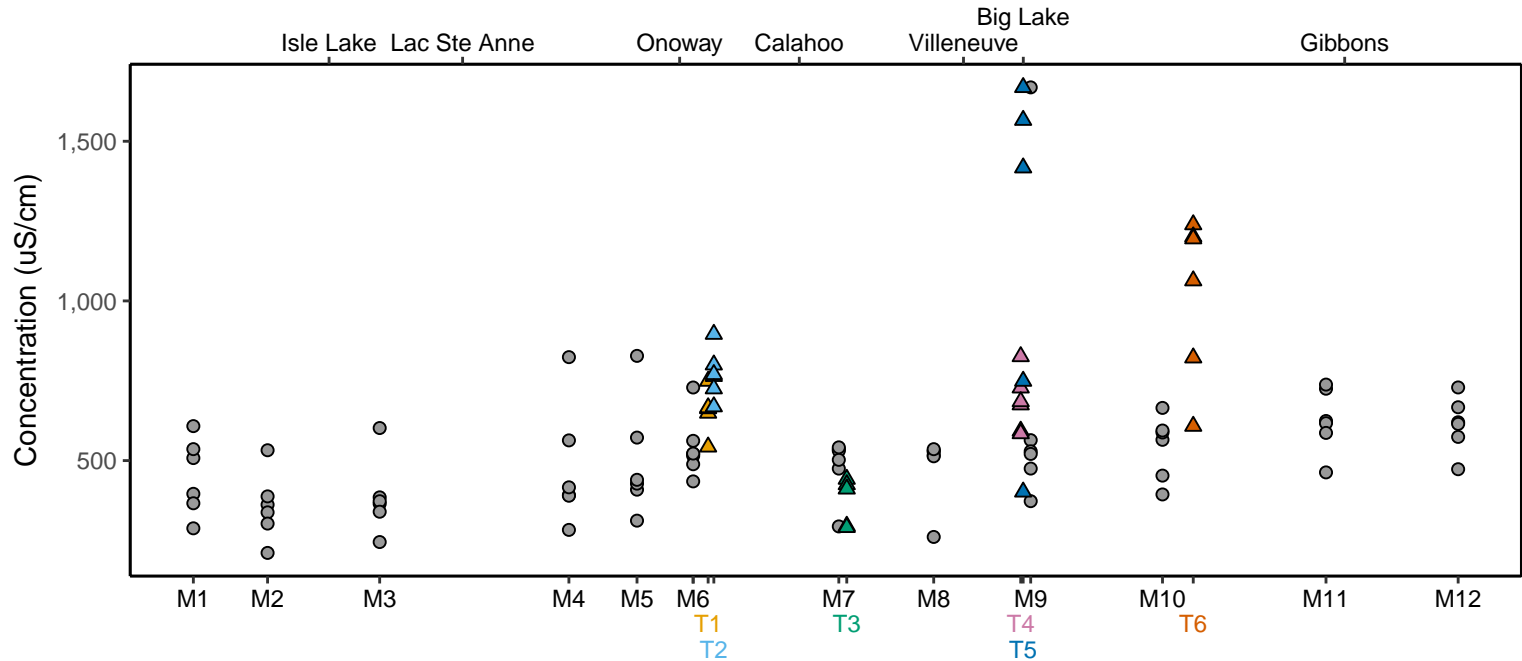
RDO saturation (field)

Open Water Period (Apr–Oct)



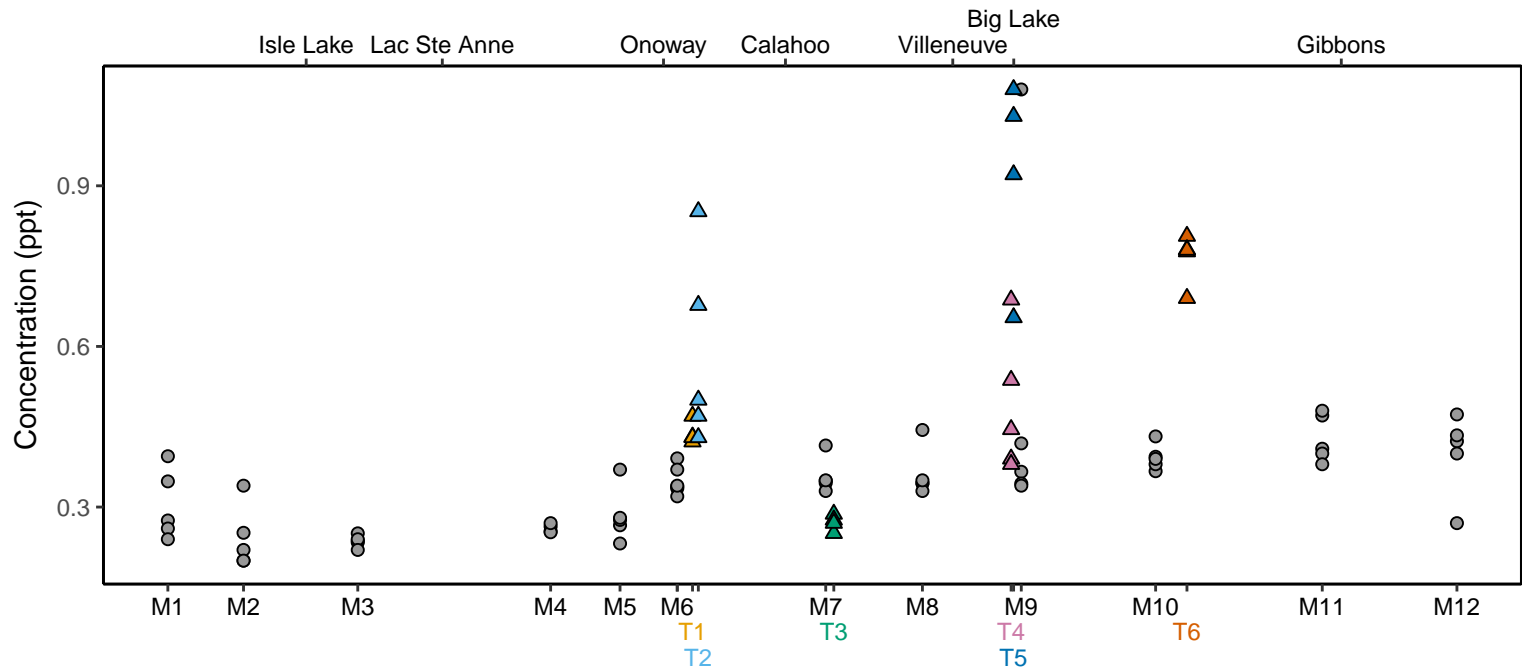
Specific conductivity (field)

Open Water Period (Apr–Oct)



TDS (calculated)

Open Water Period (Apr–Oct)

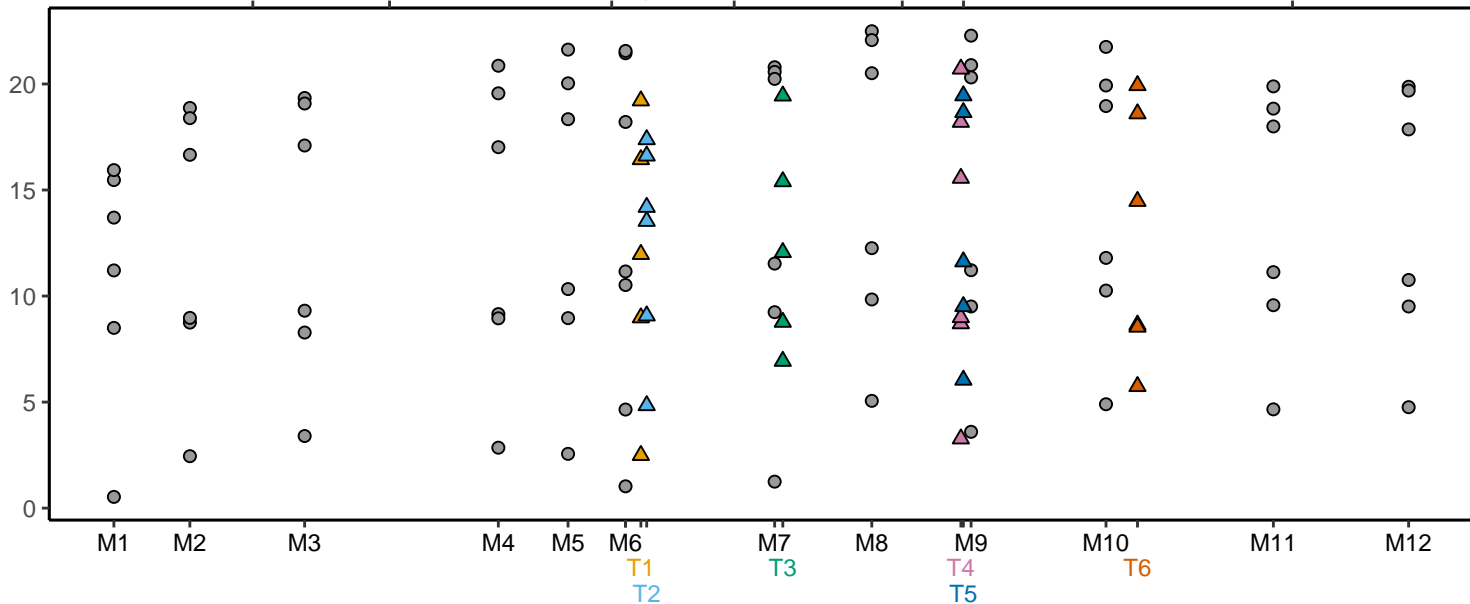


Temperature (field)

Open Water Period (Apr–Oct)

Isle Lake Lac Ste Anne Onoway Calahoo Villeneuve Big Lake Gibbons

Concentration (Degrees Celsius)



Total Aluminum (Al)

Open Water Period (Apr–Oct)

Isle Lake

Lac Ste Anne

Onoway

Calahoo

Big Lake
Villeneuve

Gibbons

Concentration (mg/L)

0.75
0.50
0.25
0.00

M1

M2

M3

M4

M5

M6

T1
T2

M7

T3

M8

M9

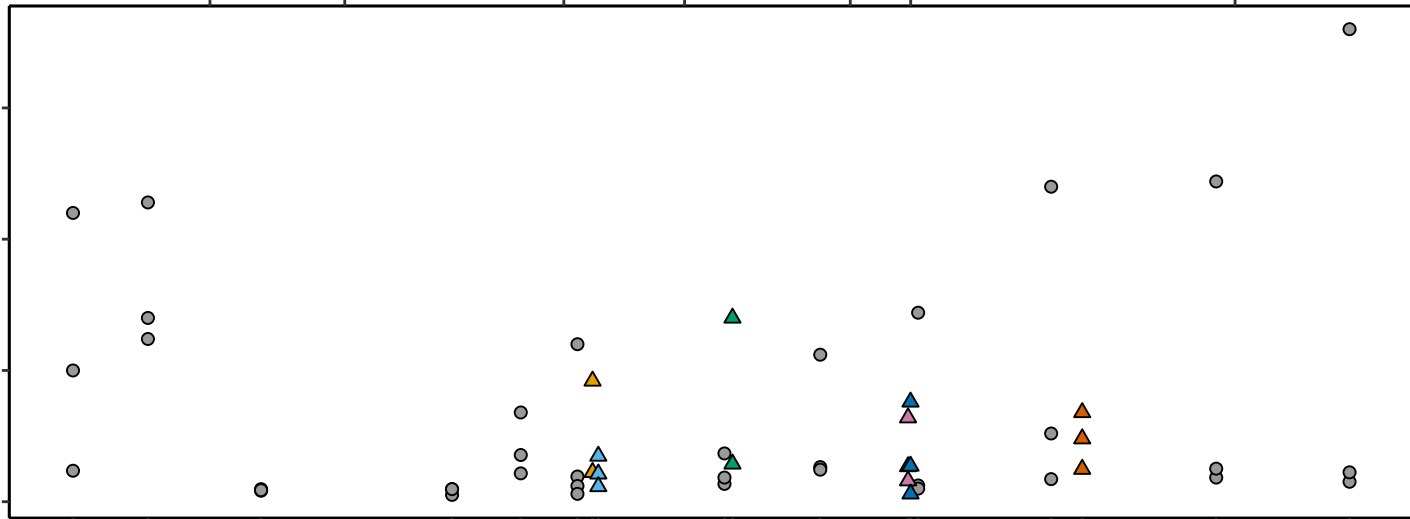
T4
T5

M10

T6

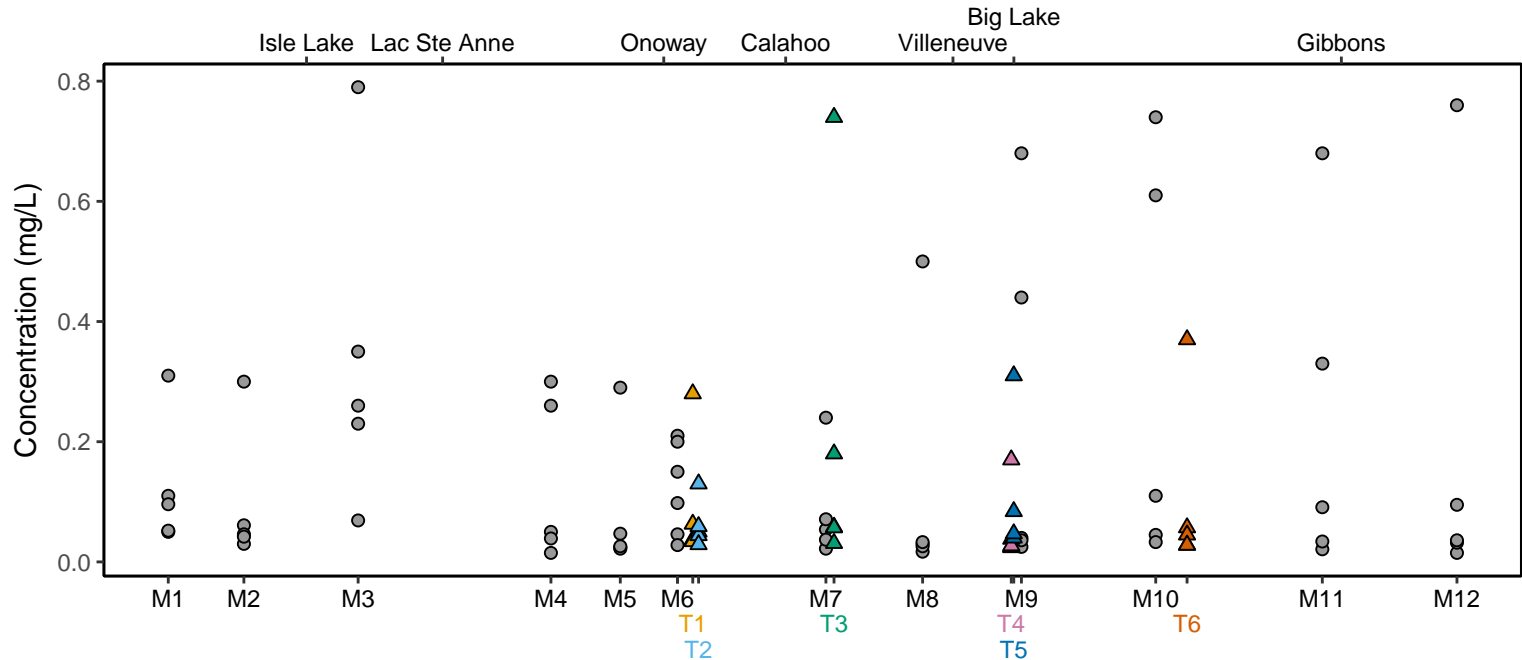
M11

M12



Total Ammonia (N)

Open Water Period (Apr–Oct)



Total Antimony (Sb)

Open Water Period (Apr–Oct)

Isle Lake

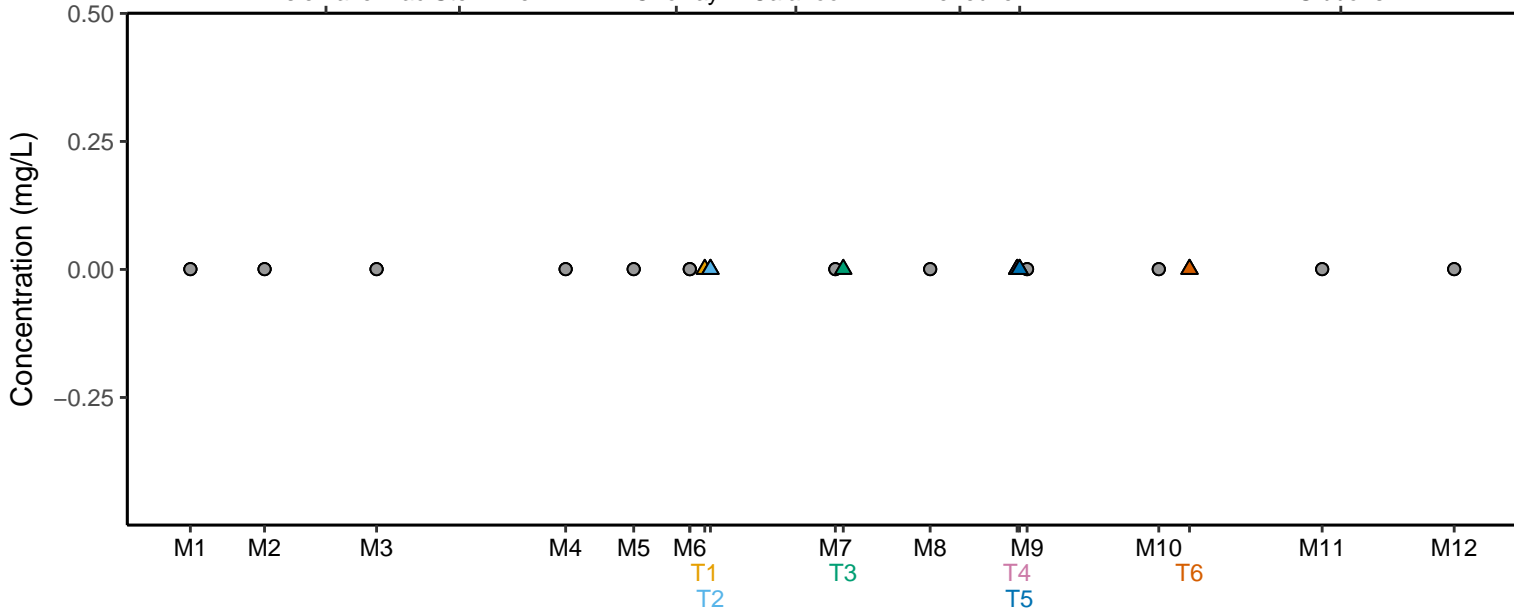
Lac Ste Anne

Onoway

Calahoo

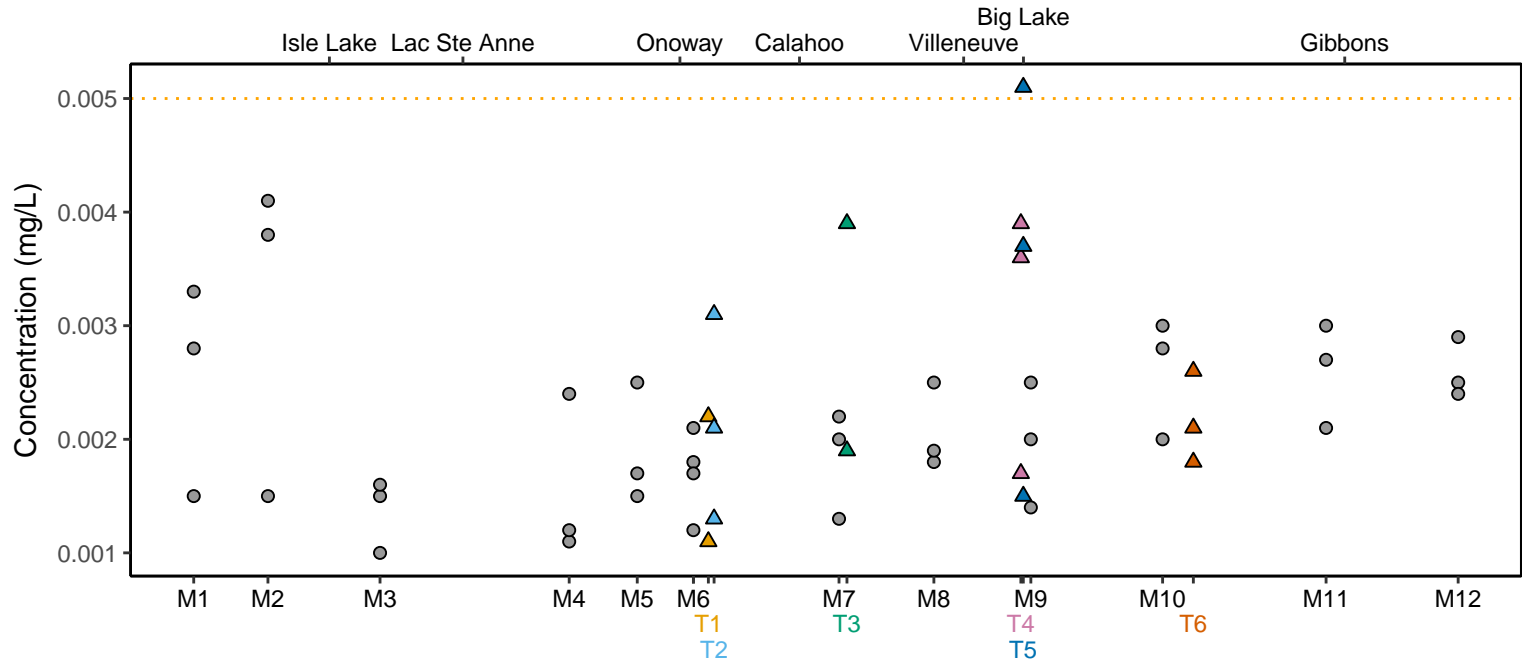
Big Lake
Villeneuve

Gibbons



Total Arsenic (As)

Open Water Period (Apr–Oct)



Total Barium (Ba)

Open Water Period (Apr–Oct)

Isle Lake

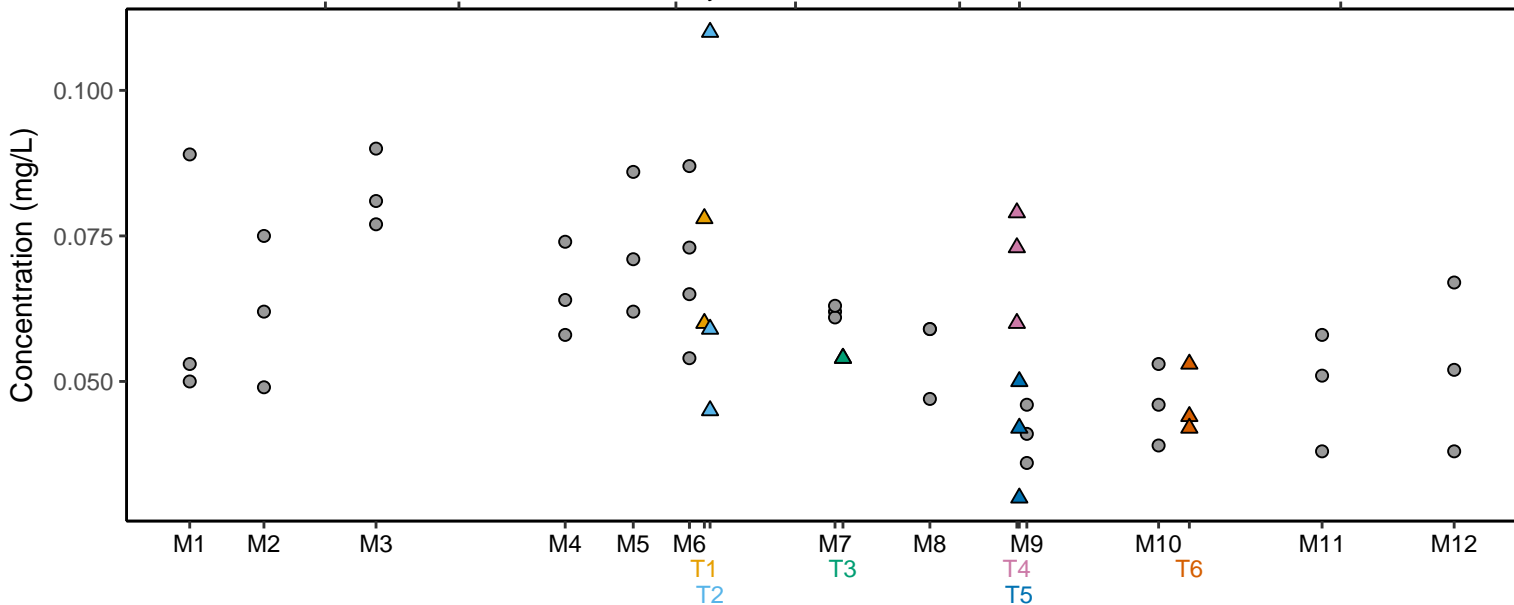
Lac Ste Anne

Onoway

Calahoo

Big Lake
Villeneuve

Gibbons



Total Beryllium (Be)

Open Water Period (Apr–Oct)

Isle Lake

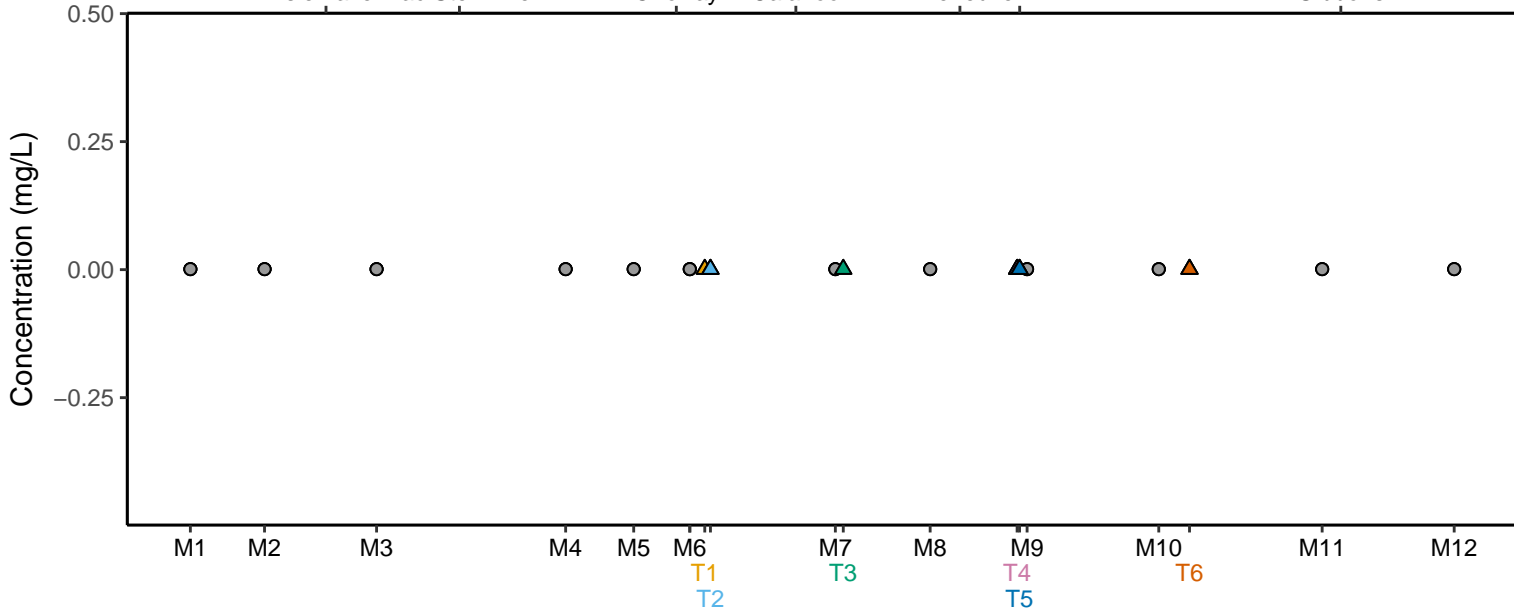
Lac Ste Anne

Onoway

Calahoo

Big Lake
Villeneuve

Gibbons



Total Boron (B)

Open Water Period (Apr–Oct)

Isle Lake

Lac Ste Anne

Onoway

Calahoo

Big Lake
Villeneuve

Gibbons

Concentration (mg/L)

0.100

0.075

0.050

0.025

M1

M2

M3

M4

M5

M6

T1

T2

M7

T3

M8

M9

T4

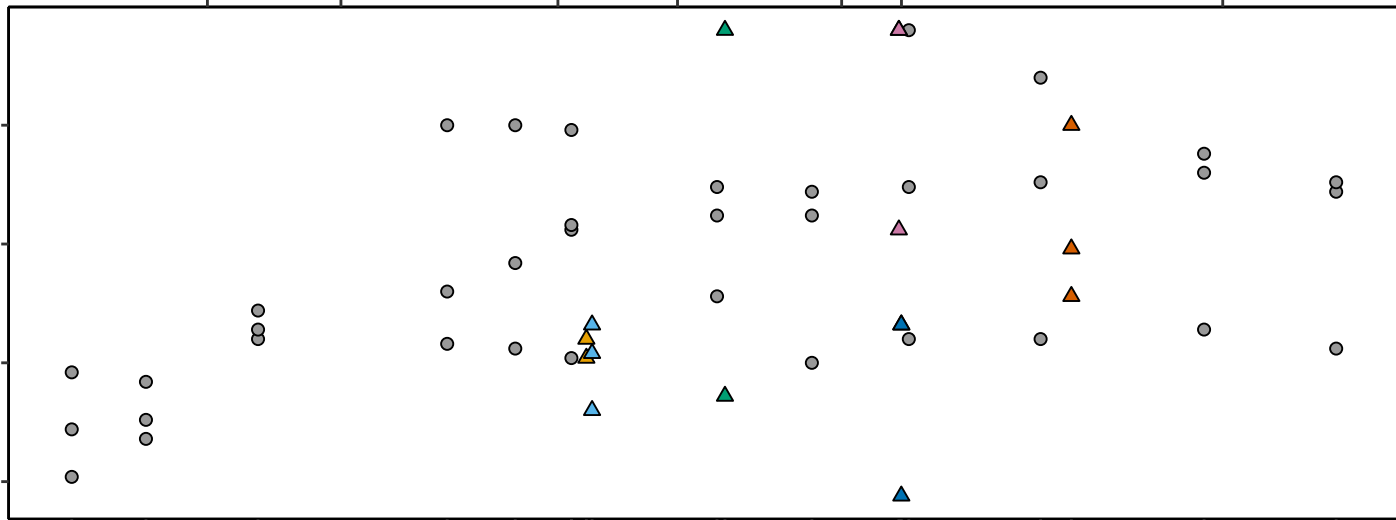
T5

M10

T6

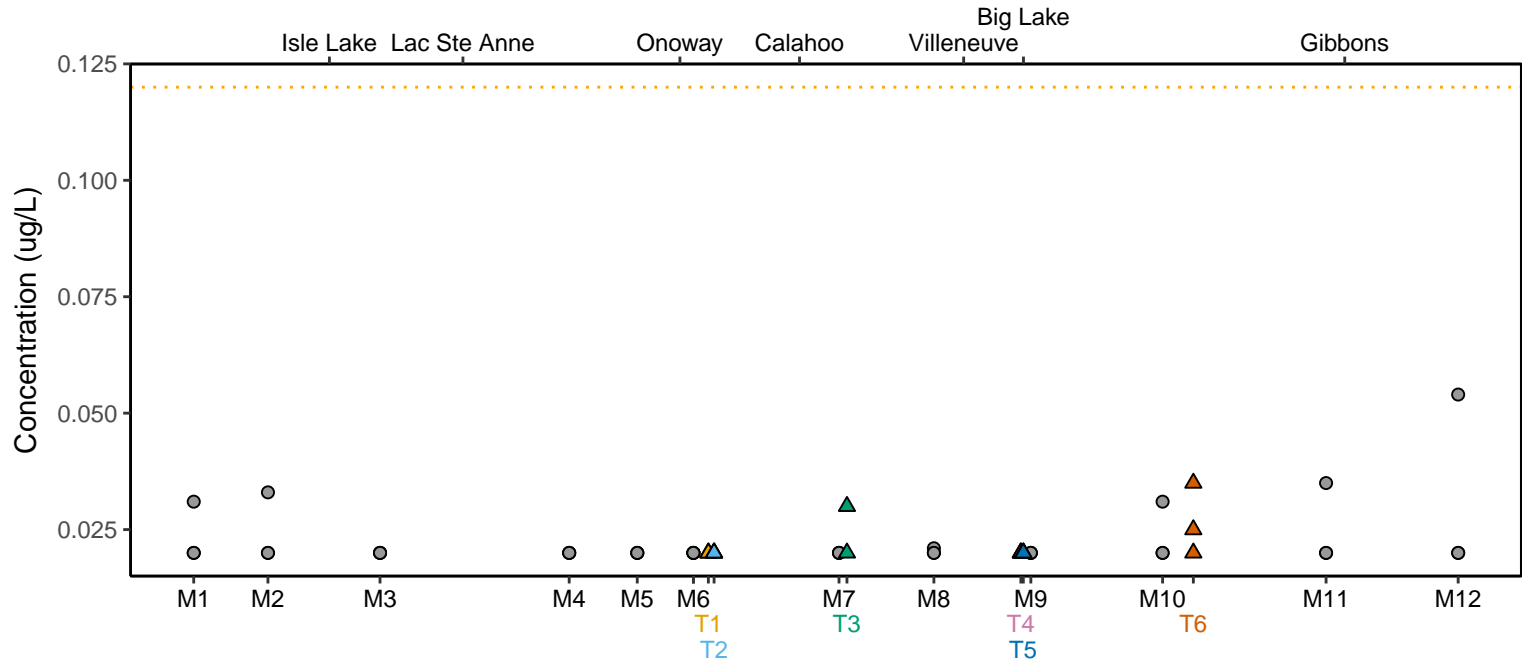
M11

M12



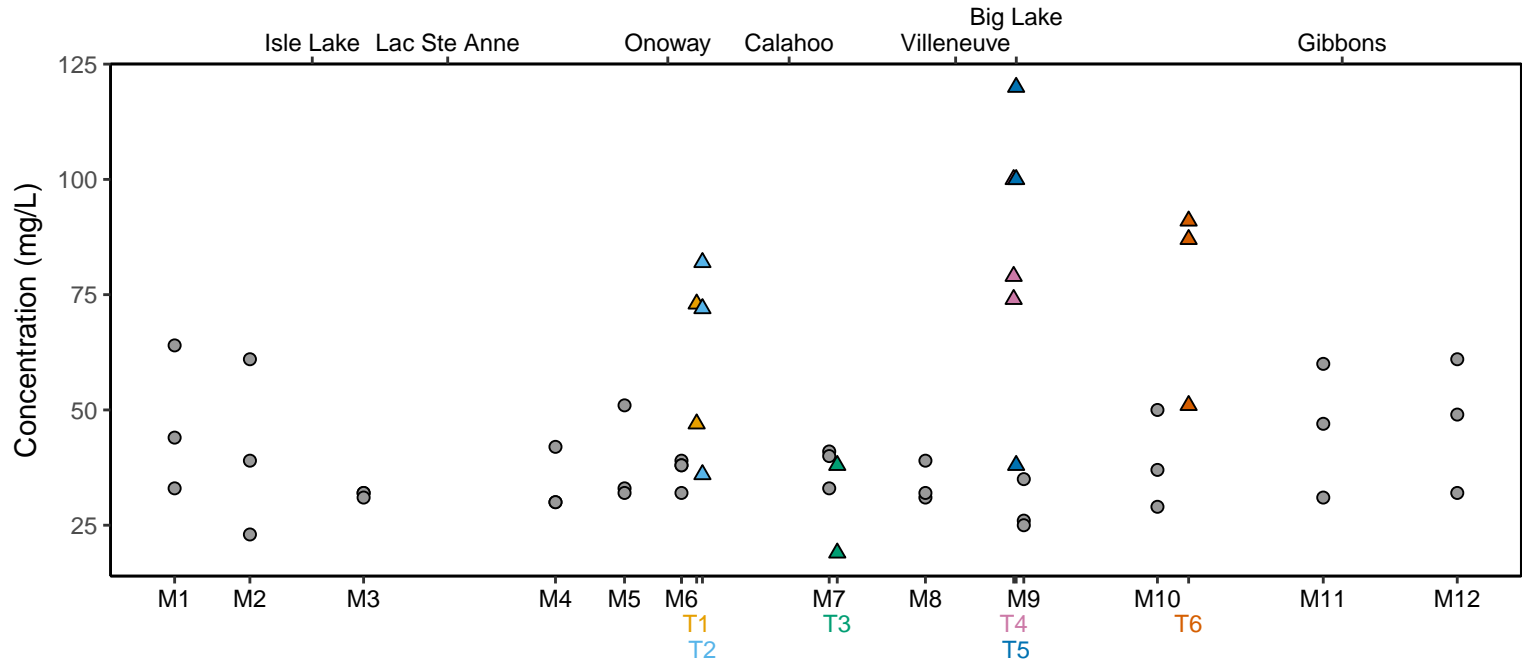
Total Cadmium (Cd)

Open Water Period (Apr–Oct)



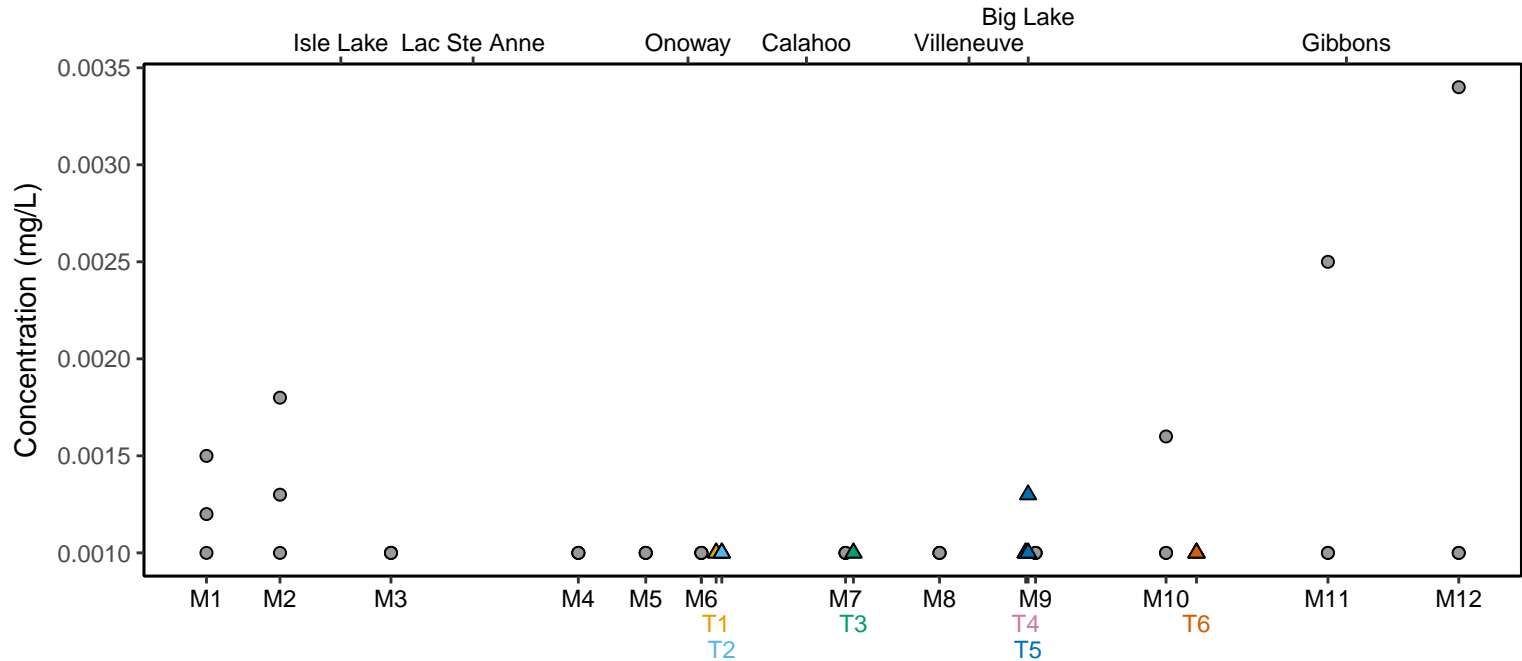
Total Calcium (Ca)

Open Water Period (Apr–Oct)



Total Chromium (Cr)

Open Water Period (Apr–Oct)



Total Cobalt (Co)

Open Water Period (Apr–Oct)

Isle Lake

Lac Ste Anne

Onoway

Calahoo

Big Lake
Villeneuve

Gibbons

Concentration (mg/L)

0.0012

0.0008

0.0004

M1

M2

M3

M4

M5

M6

M7

M8

M9

M10

M11

M12

T1

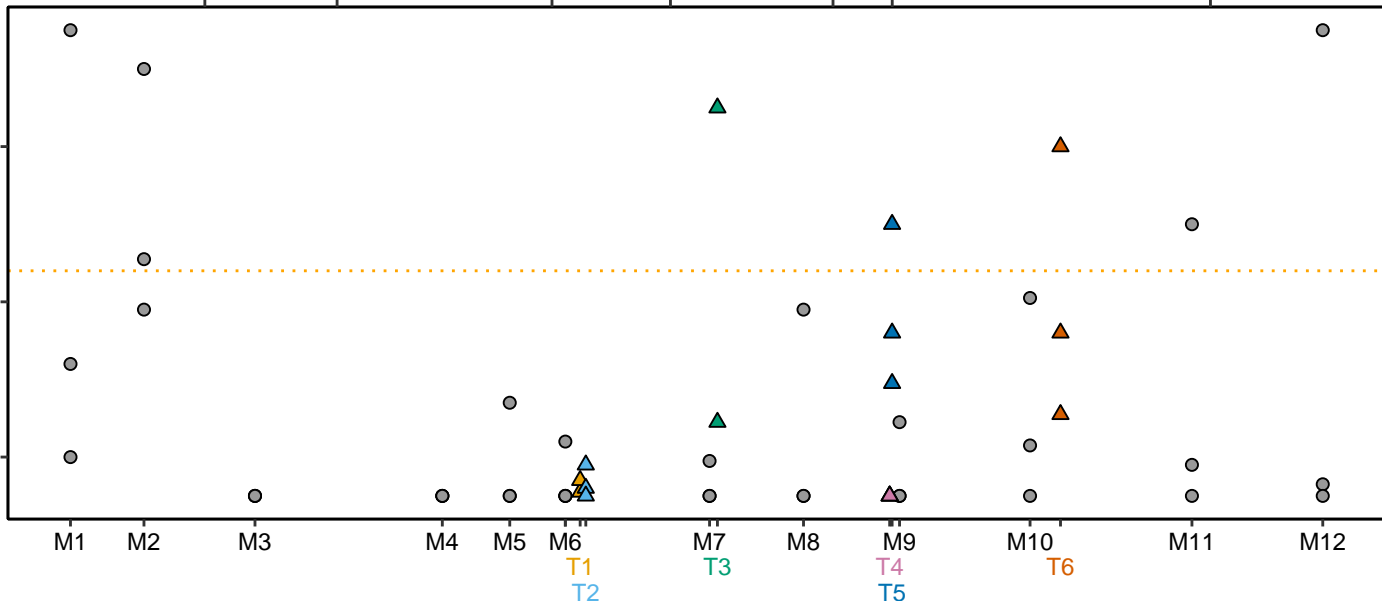
T2

T3

T4

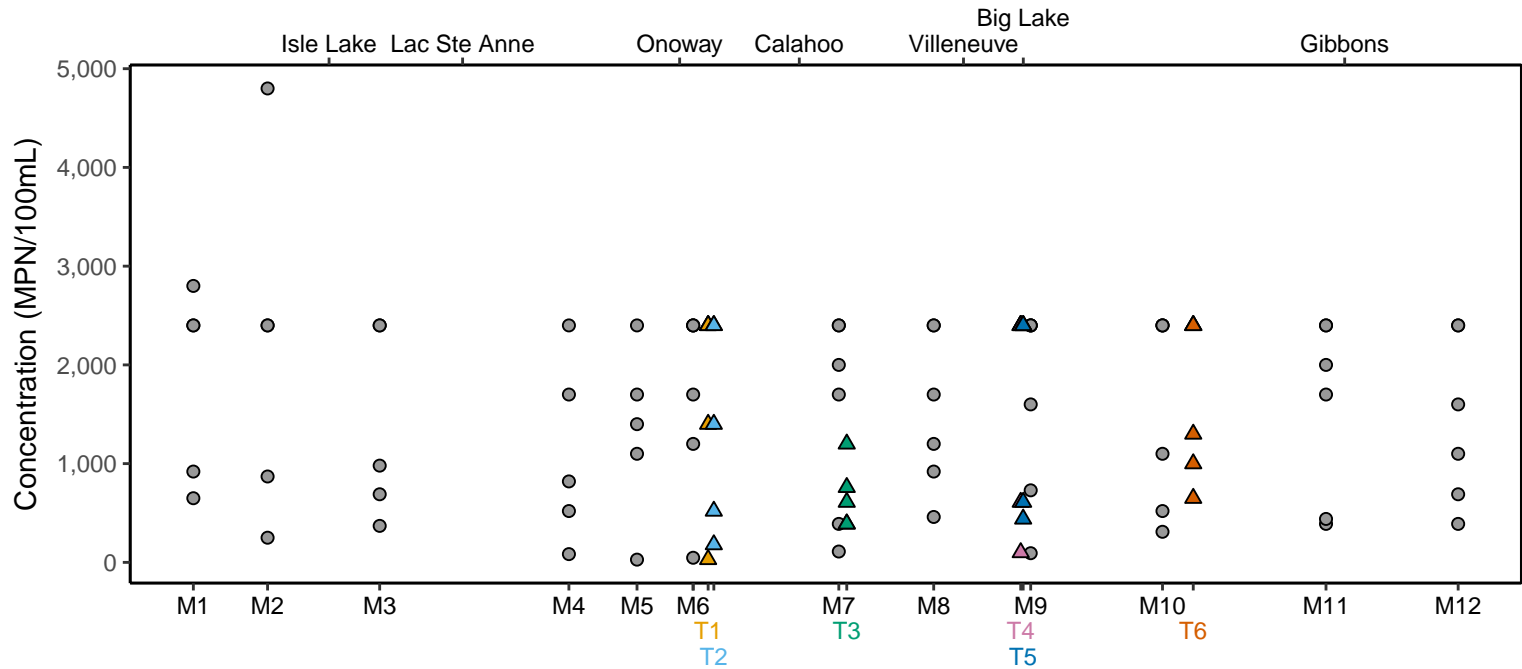
T5

T6



Total Coliforms DST

Open Water Period (Apr–Oct)



Total Copper (Cu)

Open Water Period (Apr–Oct)

Isle Lake

Lac Ste Anne

Onoway

Calahoo

Big Lake
Villeneuve

Gibbons

Concentration (mg/L)

0.009
0.006
0.003
0.000

M1

M2

M3

M4

M5

M6

T1
T2

M7

T3

M8

M9

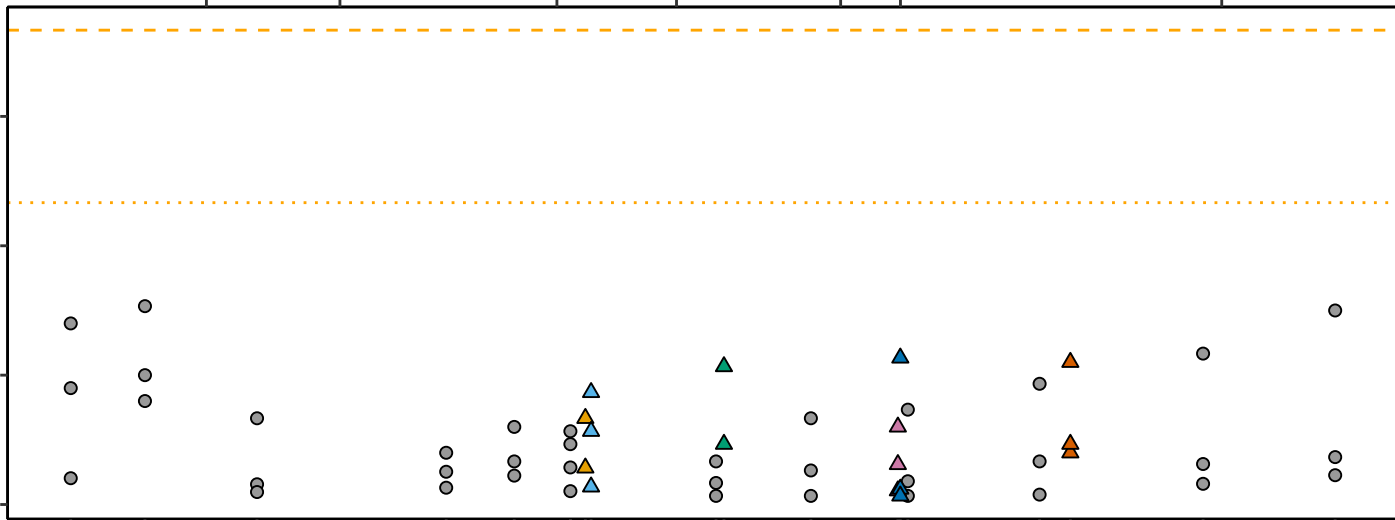
T4
T5

M10

T6

M11

M12



Total Iron (Fe)

Open Water Period (Apr–Oct)

Isle Lake

Lac Ste Anne

Onoway

Calahoo

Big Lake
Villeneuve

Gibbons

Concentration (mg/L)

3
2
1
0

M1

M2

M3

M4

M5

M6

T1
T2

M7

T3

M8

M9

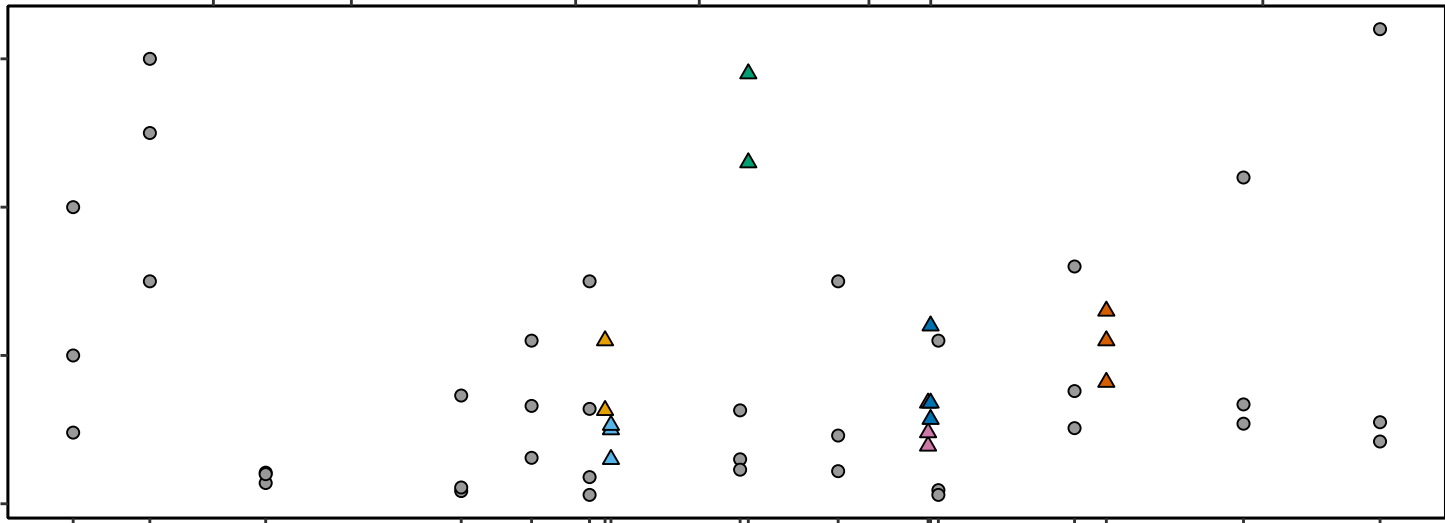
T4
T5

M10

T6

M11

M12



Total Lead (Pb)

Open Water Period (Apr–Oct)

Isle Lake

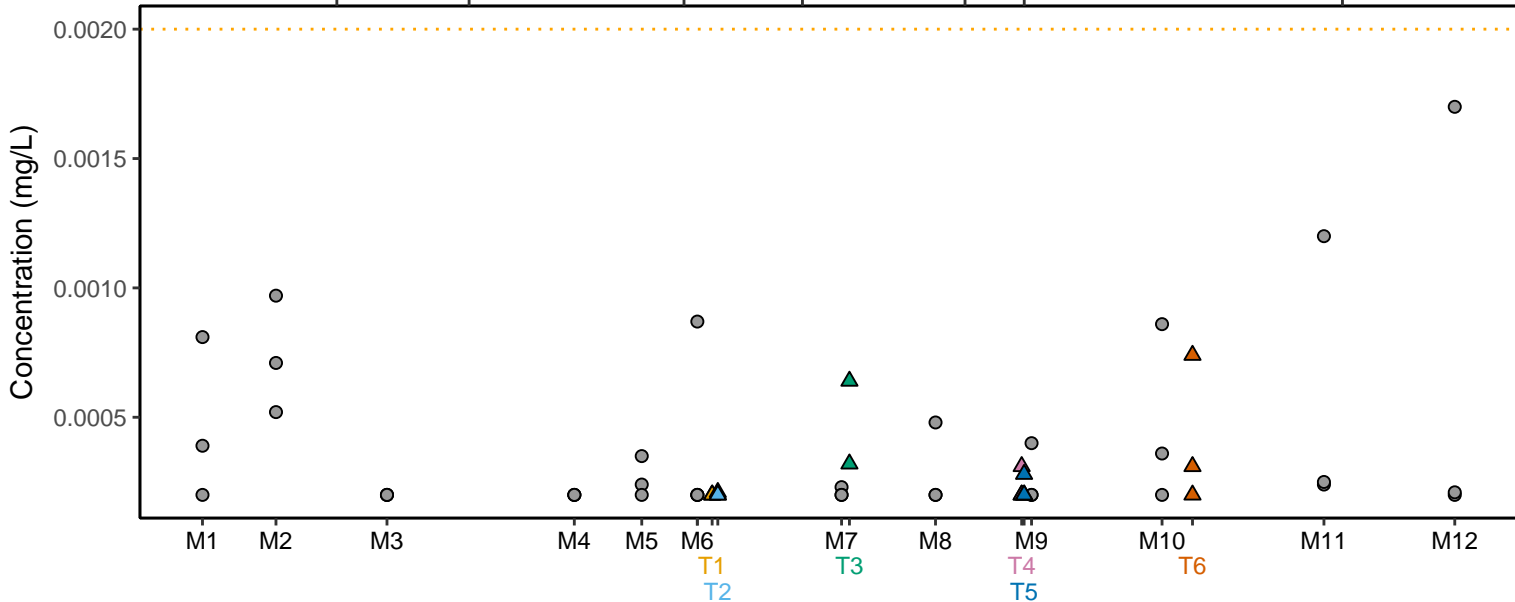
Lac Ste Anne

Onoway

Calahoo

Big Lake
Villeneuve

Gibbons



Total Lithium (Li)

Open Water Period (Apr–Oct)

Isle Lake

Lac Ste Anne

Onoway

Calahoo

Villeneuve

Big Lake

Gibbons

Concentration (mg/L)

0.06

0.04

0.02

M1

M2

M3

M4

M5

M6

T1

T2

M7

T3

M8

M9

T4

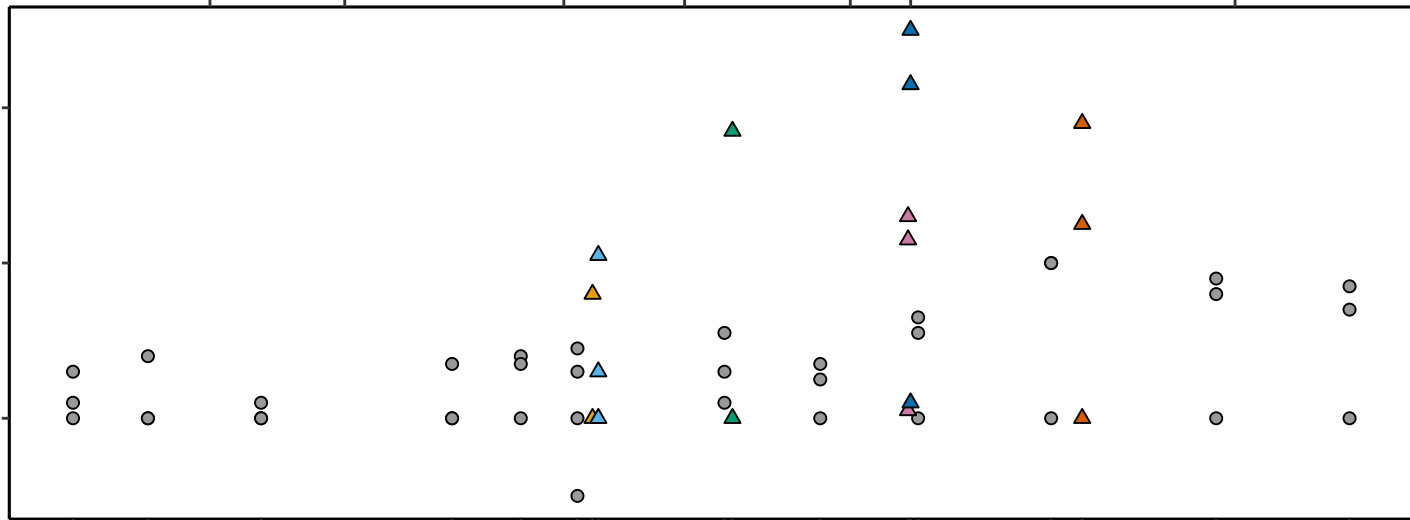
T5

M10

T6

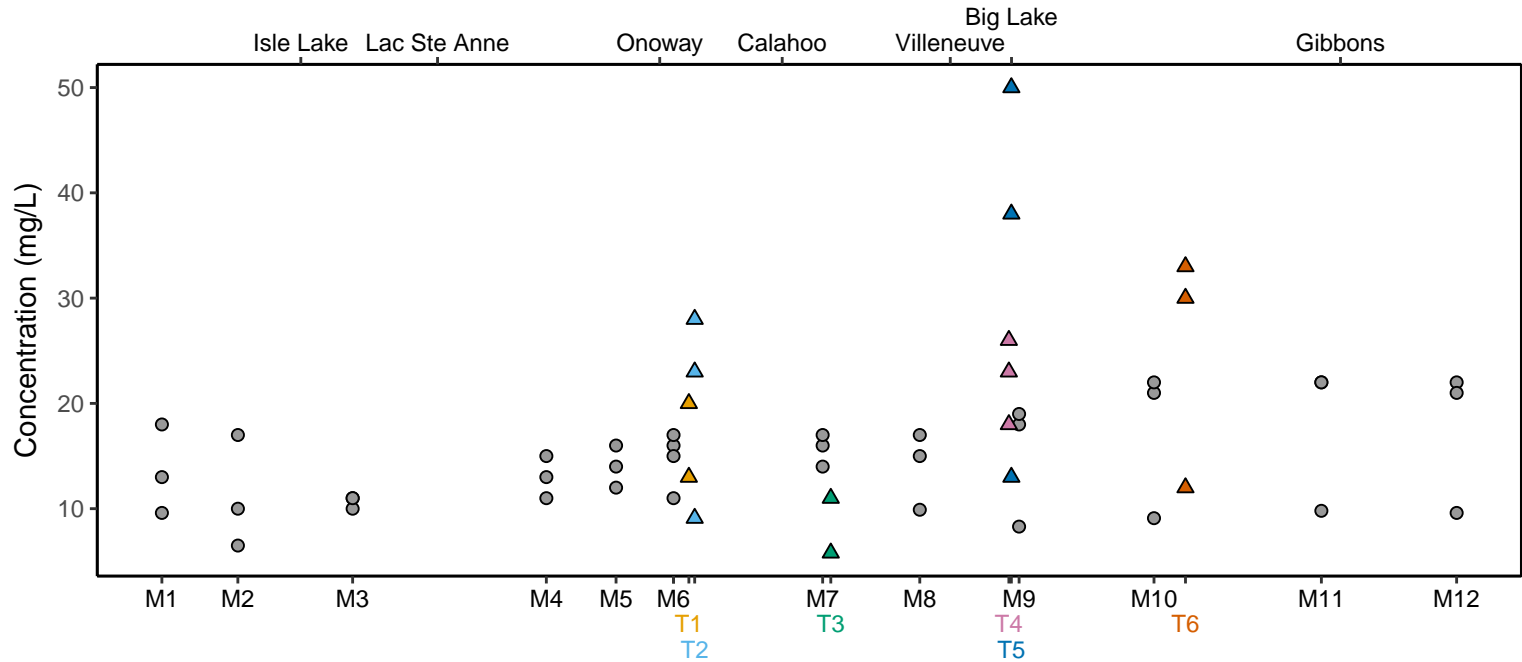
M11

M12



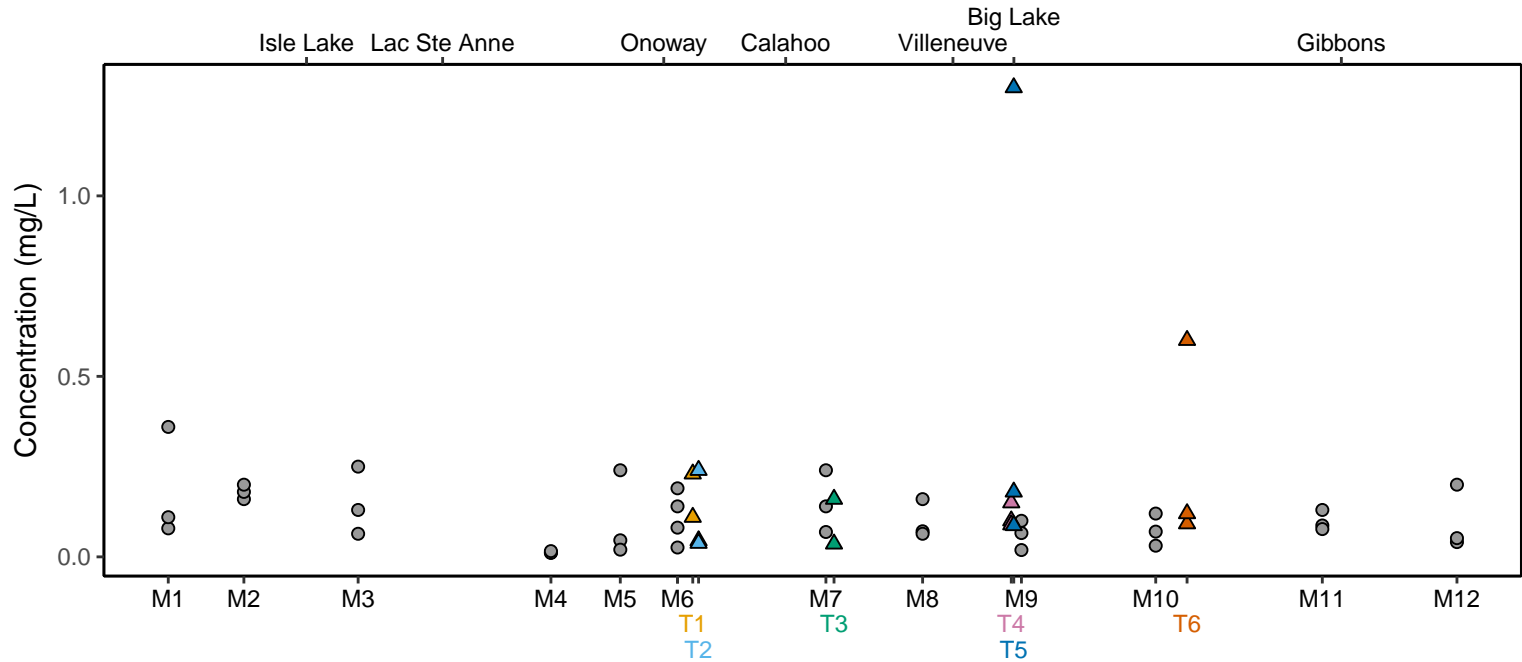
Total Magnesium (Mg)

Open Water Period (Apr–Oct)



Total Manganese (Mn)

Open Water Period (Apr–Oct)



Total Molybdenum (Mo)

Open Water Period (Apr–Oct)

Isle Lake

Lac Ste Anne

Onoway

Calahoo

Big Lake
Villeneuve

Gibbons

Concentration (mg/L)

0.0020

0.0015

0.0010

0.0005

M1

M2

M3

M4

M5

M6

M7

M8

M9

M10

M11

M12

T1

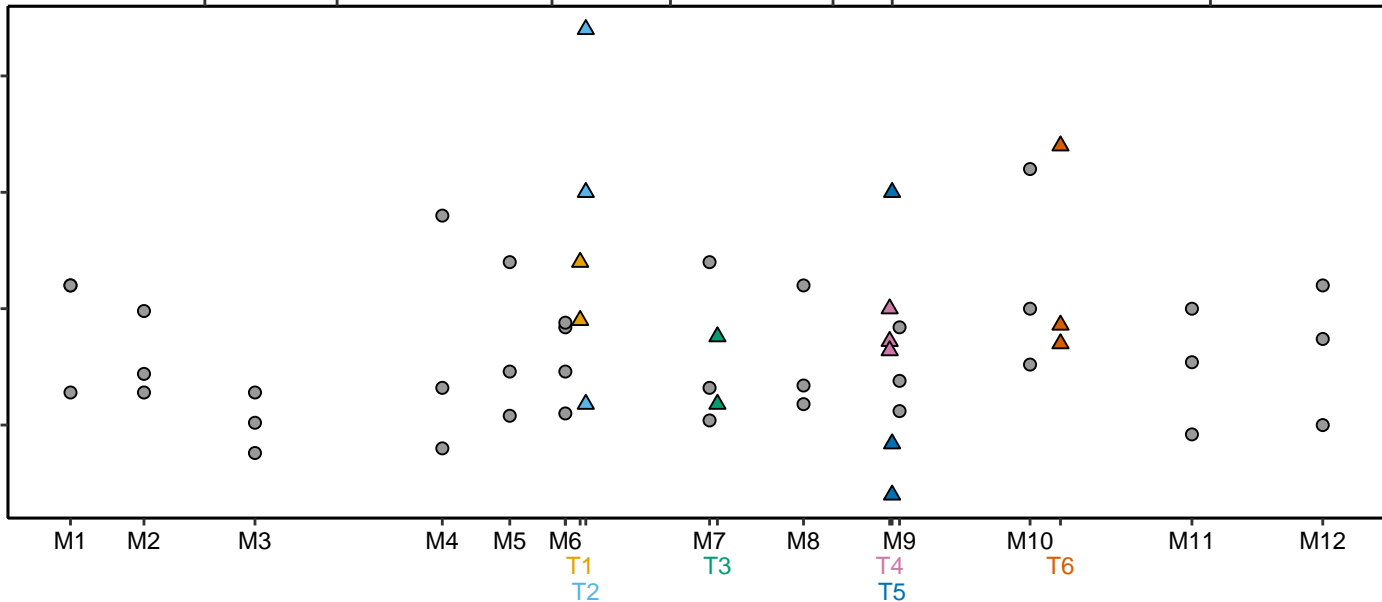
T2

T3

T4

T5

T6



Total Nickel (Ni)

Open Water Period (Apr–Oct)

Isle Lake

Lac Ste Anne

Onoway

Calahoo

Big Lake
Villeneuve

Gibbons

Concentration (mg/L)

0.006

0.004

0.002

M1

M2

M3

M4

M5

M6

T1

T2

M7

T3

M8

M9

T4

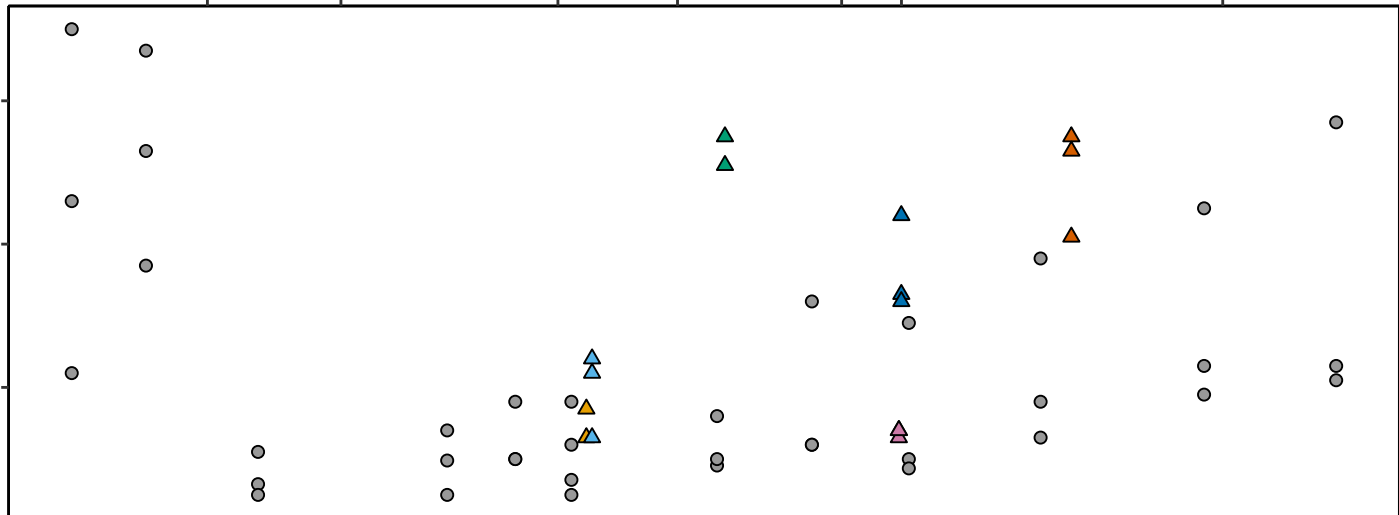
T5

M10

T6

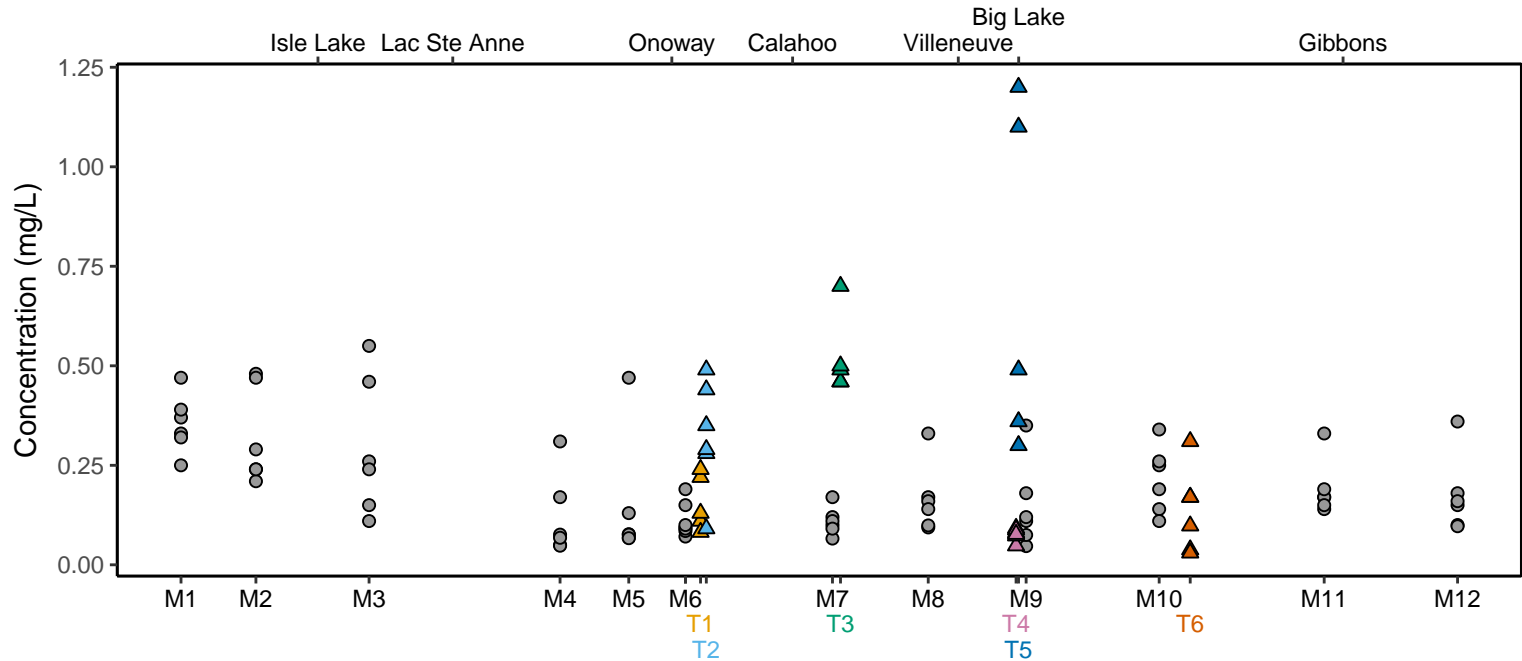
M11

M12



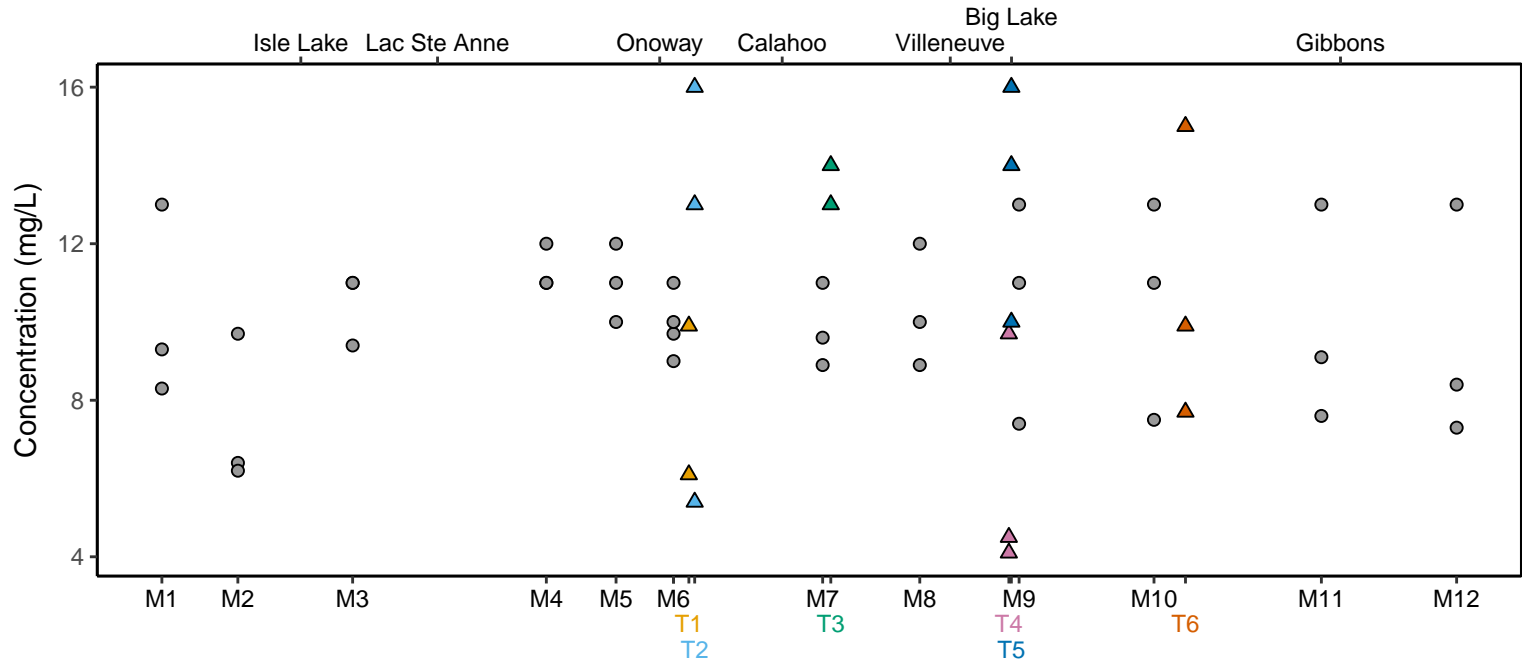
Total Phosphorus (P)

Open Water Period (Apr–Oct)



Total Potassium (K)

Open Water Period (Apr–Oct)



Total Selenium (Se)

Open Water Period (Apr–Oct)

Isle Lake

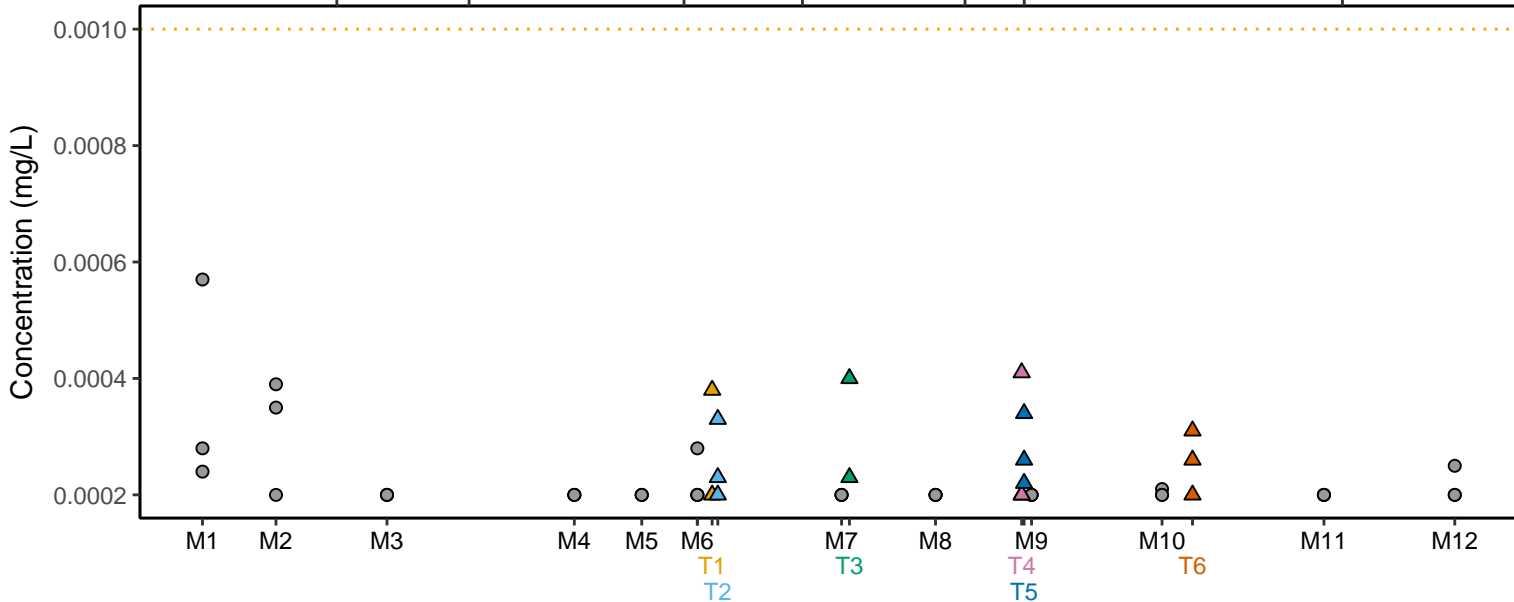
Lac Ste Anne

Onoway

Calahoo

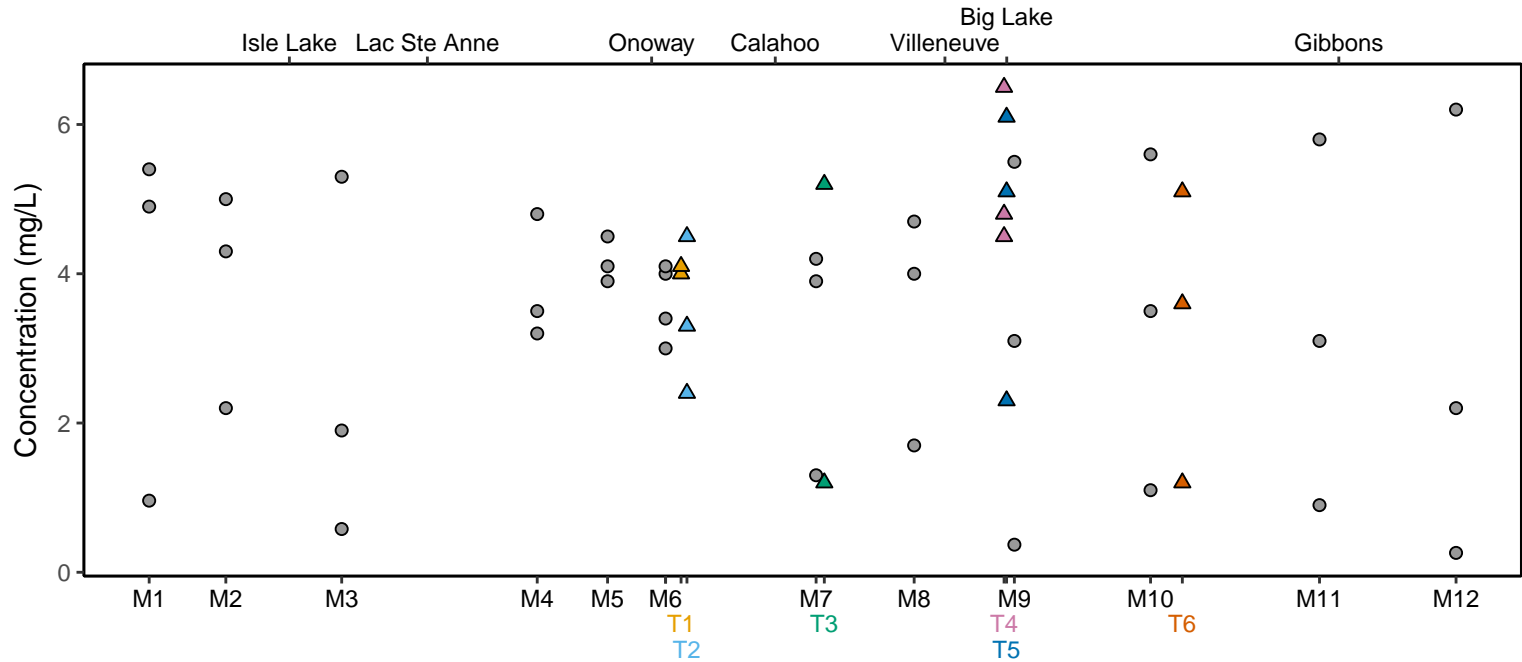
Big Lake
Villeneuve

Gibbons



Total Silicon (Si)

Open Water Period (Apr–Oct)



Total Silver (Ag)

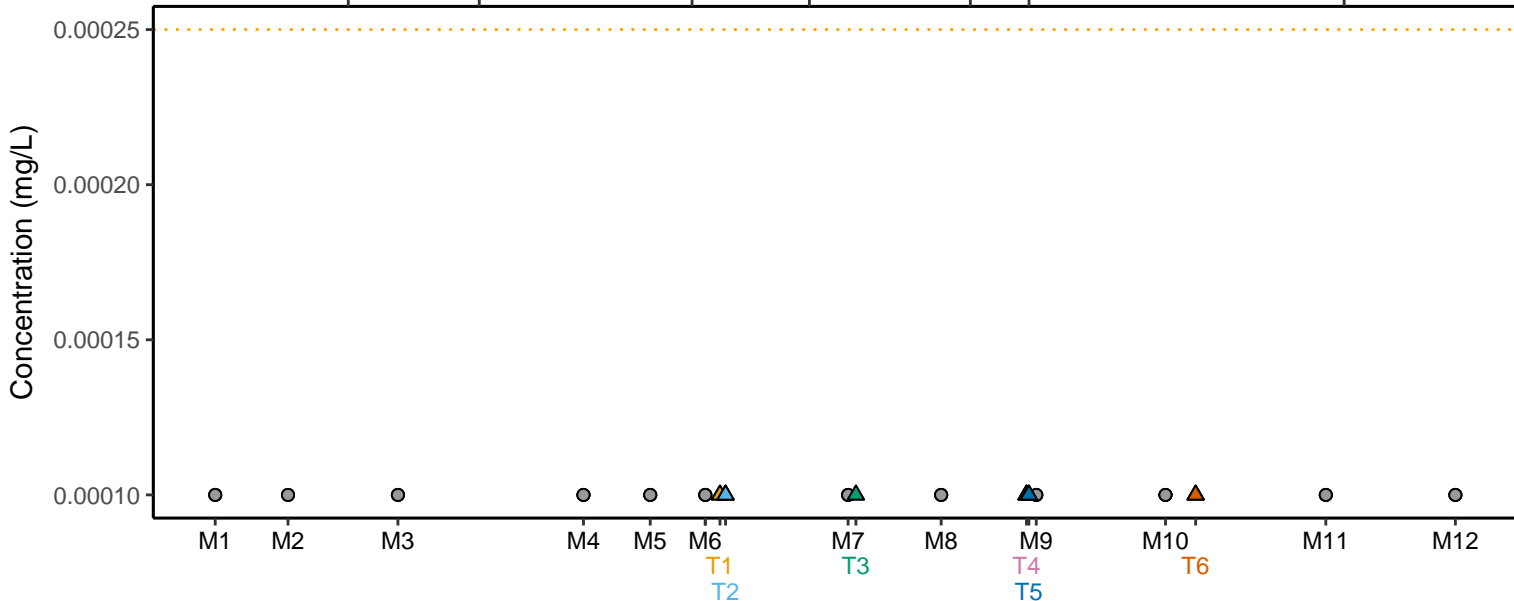
Open Water Period (Apr–Oct)

Isle Lake Lac Ste Anne

Onoway Calahoo

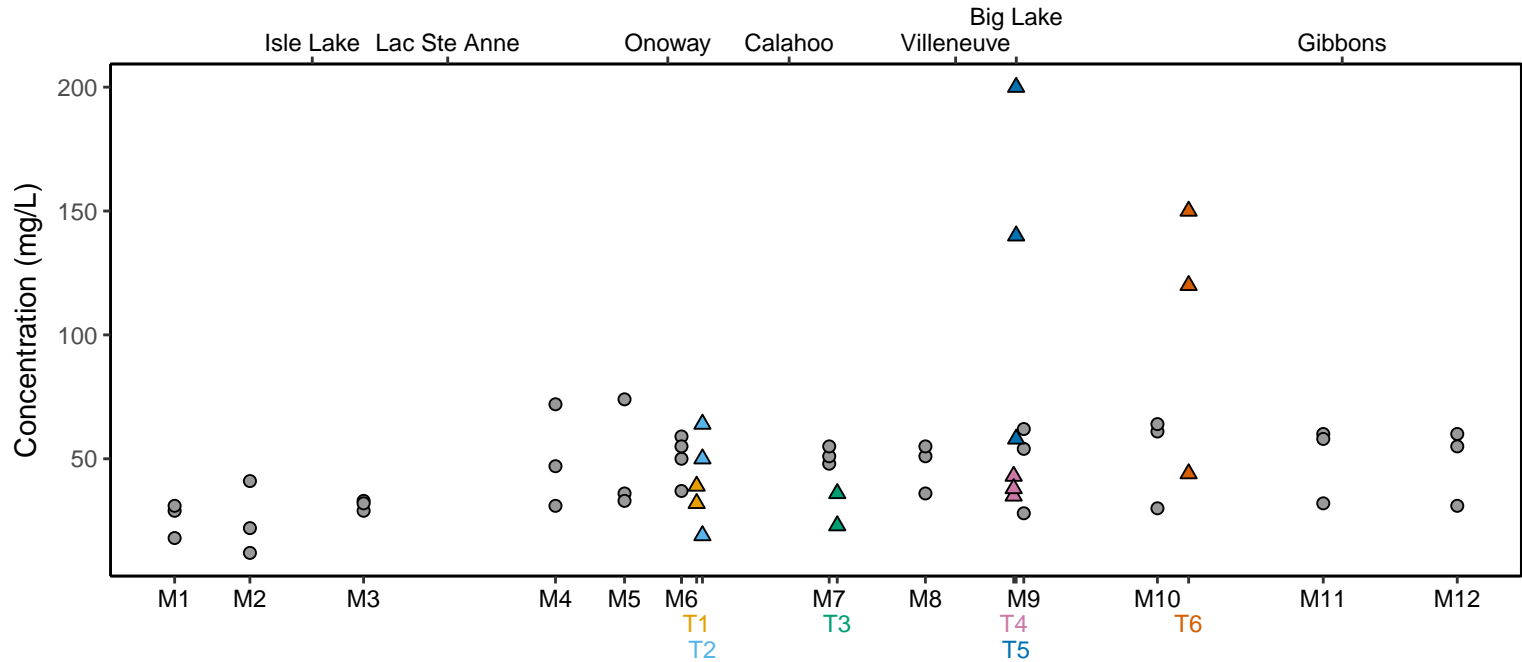
Big Lake
Villeneuve

Gibbons



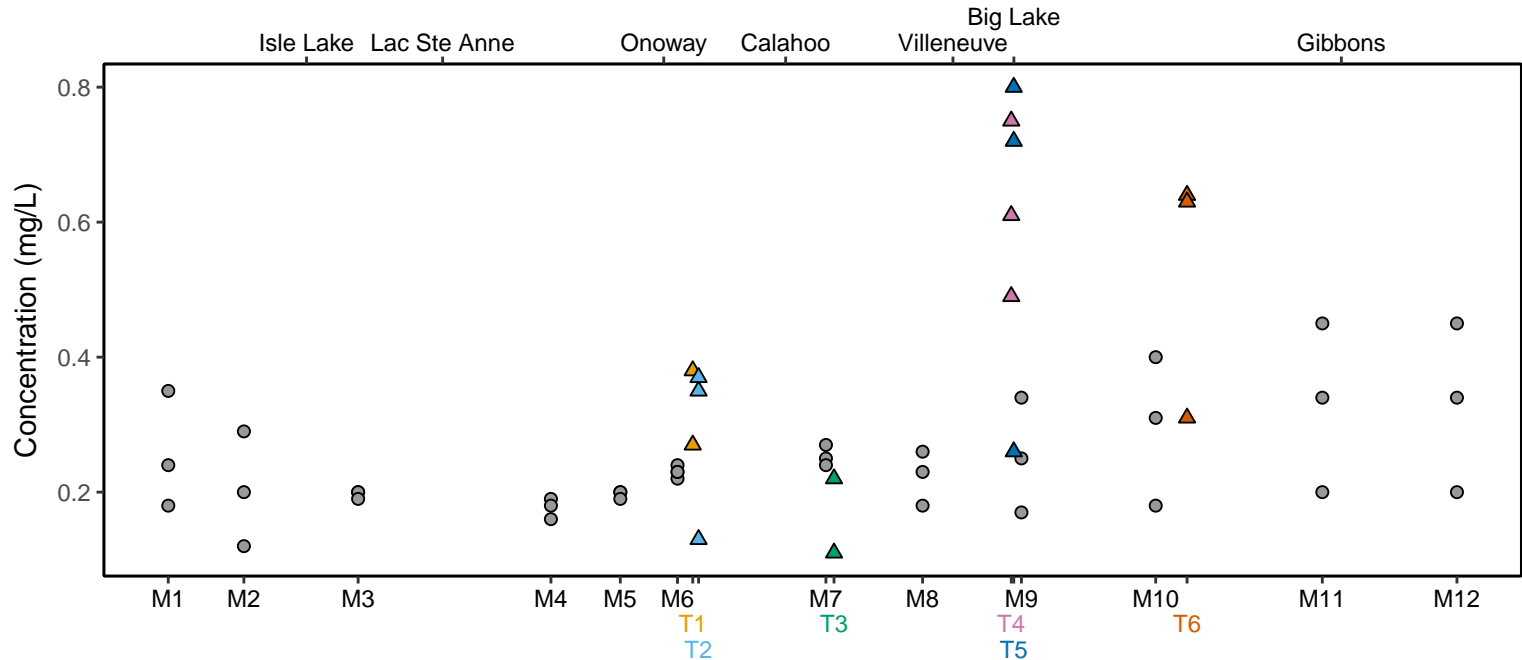
Total Sodium (Na)

Open Water Period (Apr–Oct)



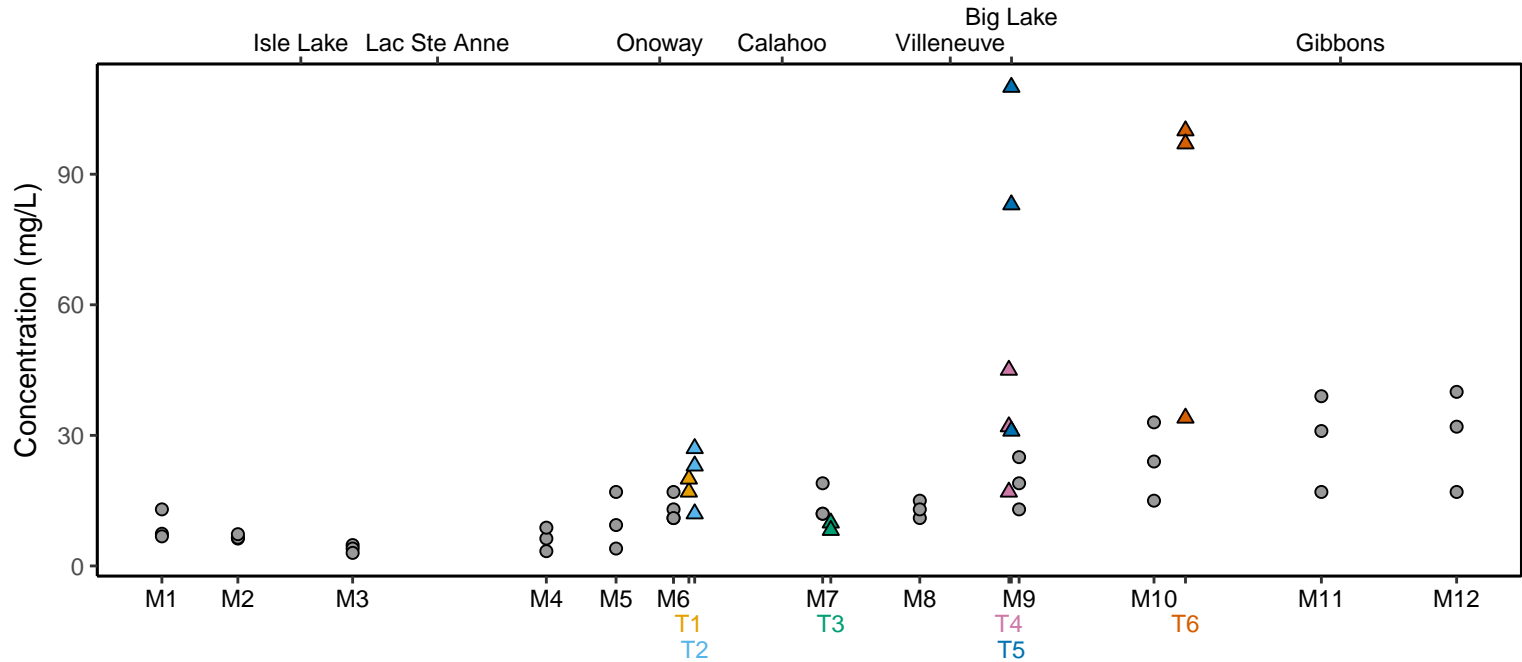
Total Strontium (Sr)

Open Water Period (Apr–Oct)



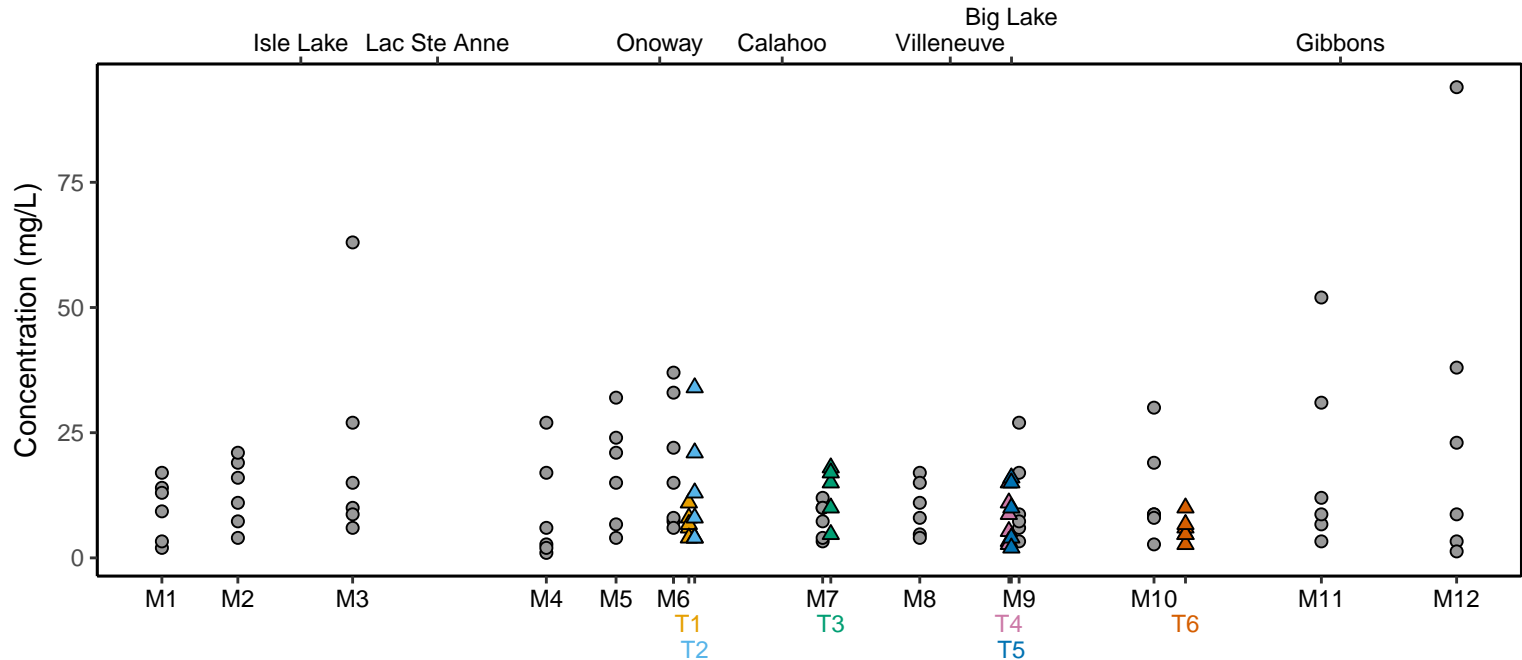
Total Sulphur (S)

Open Water Period (Apr–Oct)



Total Suspended Solids

Open Water Period (Apr–Oct)



Total Thallium (Tl)

Open Water Period (Apr–Oct)

Isle Lake

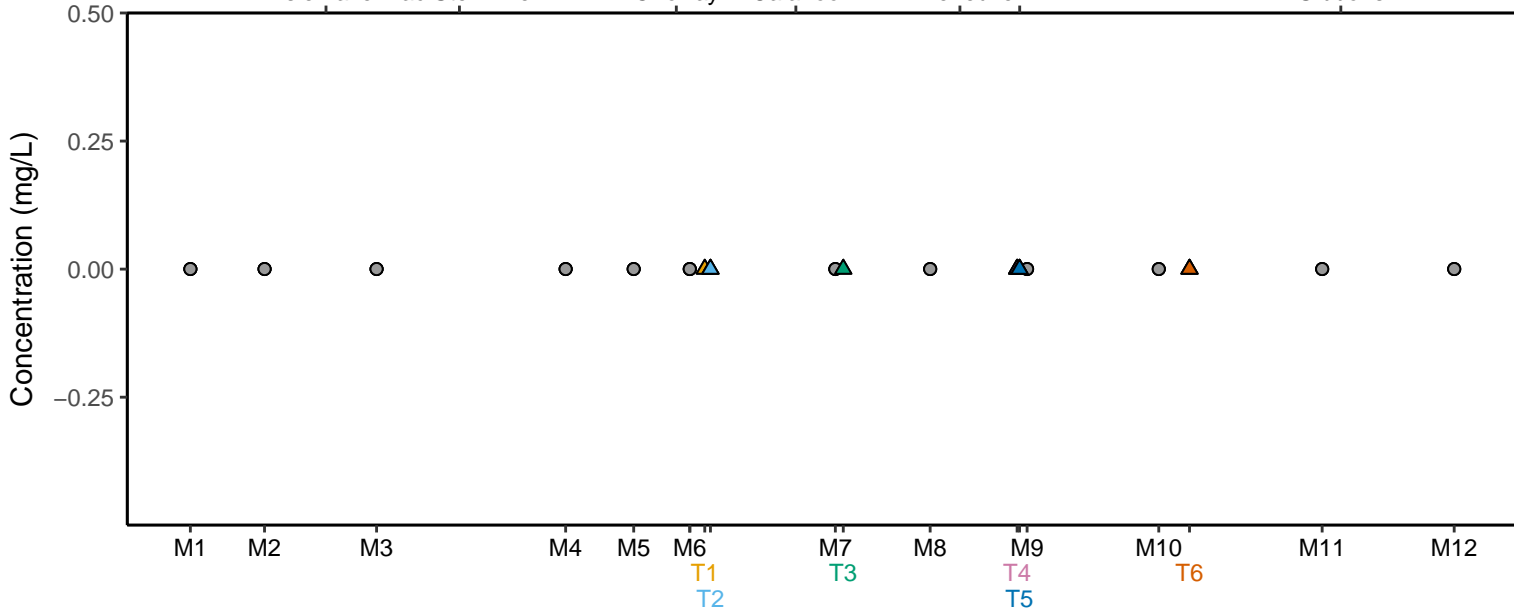
Lac Ste Anne

Onoway

Calahoo

Big Lake
Villeneuve

Gibbons



Total Tin (Sn)

Open Water Period (Apr–Oct)

Isle Lake

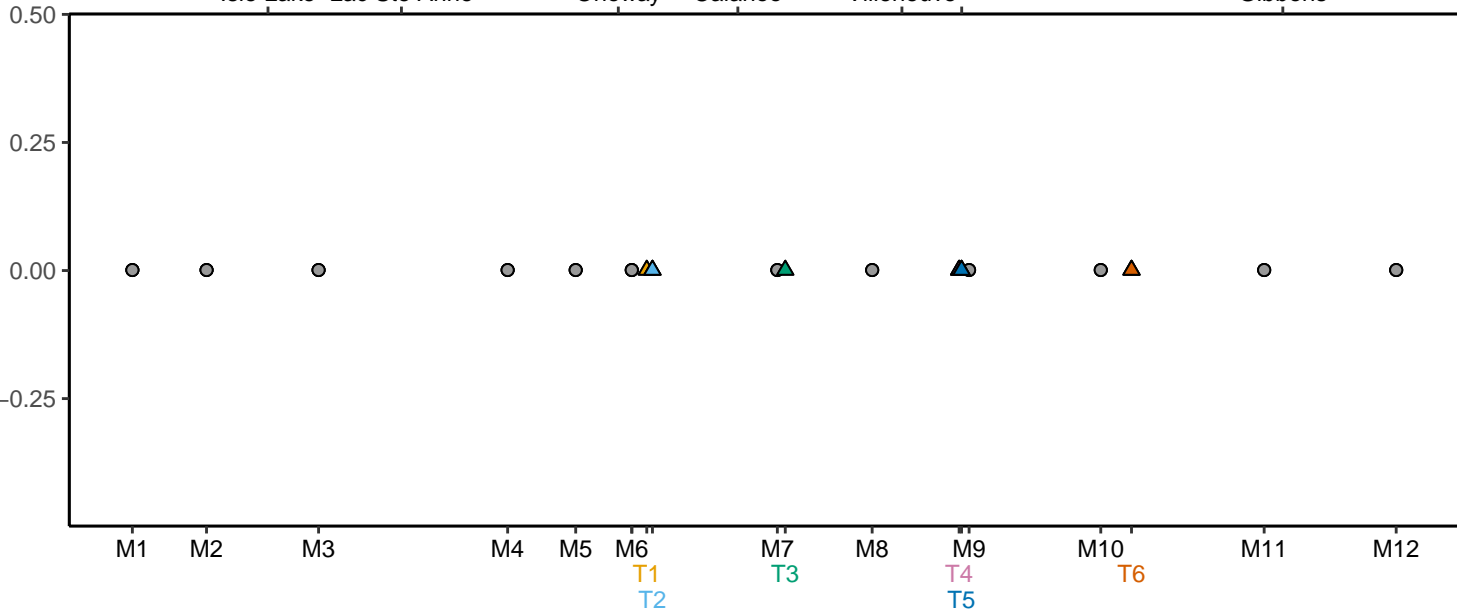
Lac Ste Anne

Onoway

Calahoo

Big Lake
Villeneuve

Gibbons



Total Titanium (Ti)

Open Water Period (Apr–Oct)

Isle Lake

Lac Ste Anne

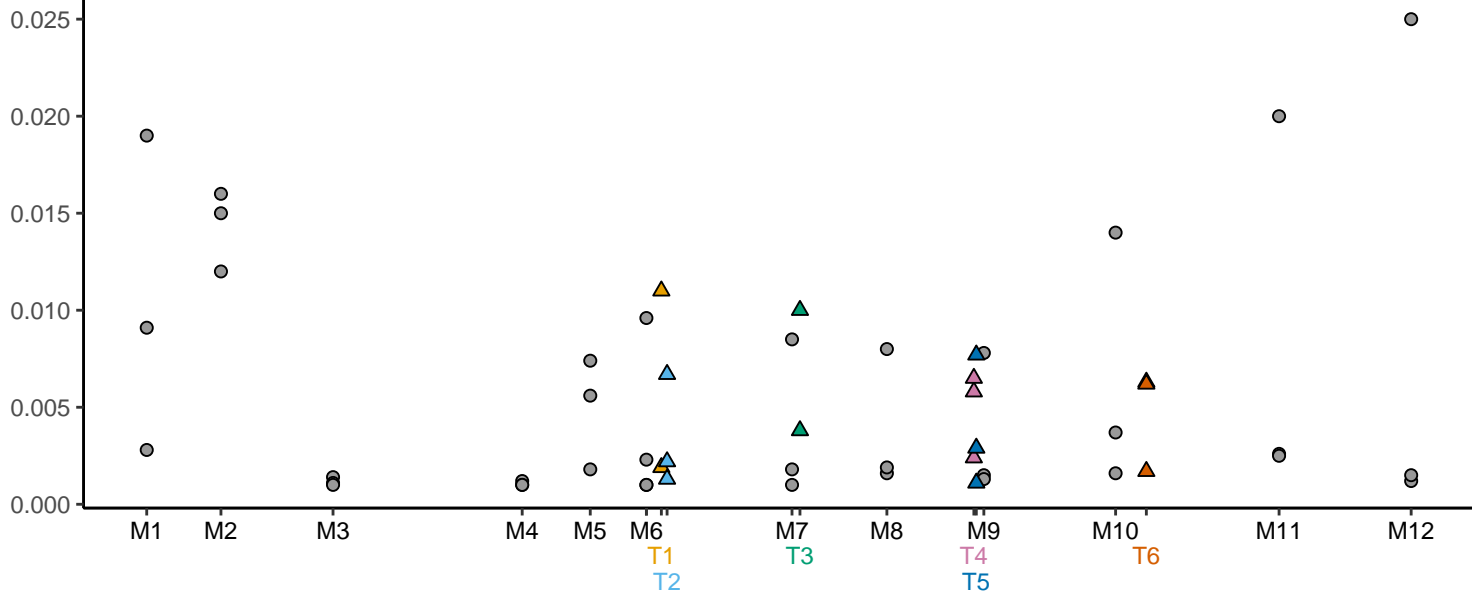
Onoway

Calahoo

Big Lake
Villeneuve

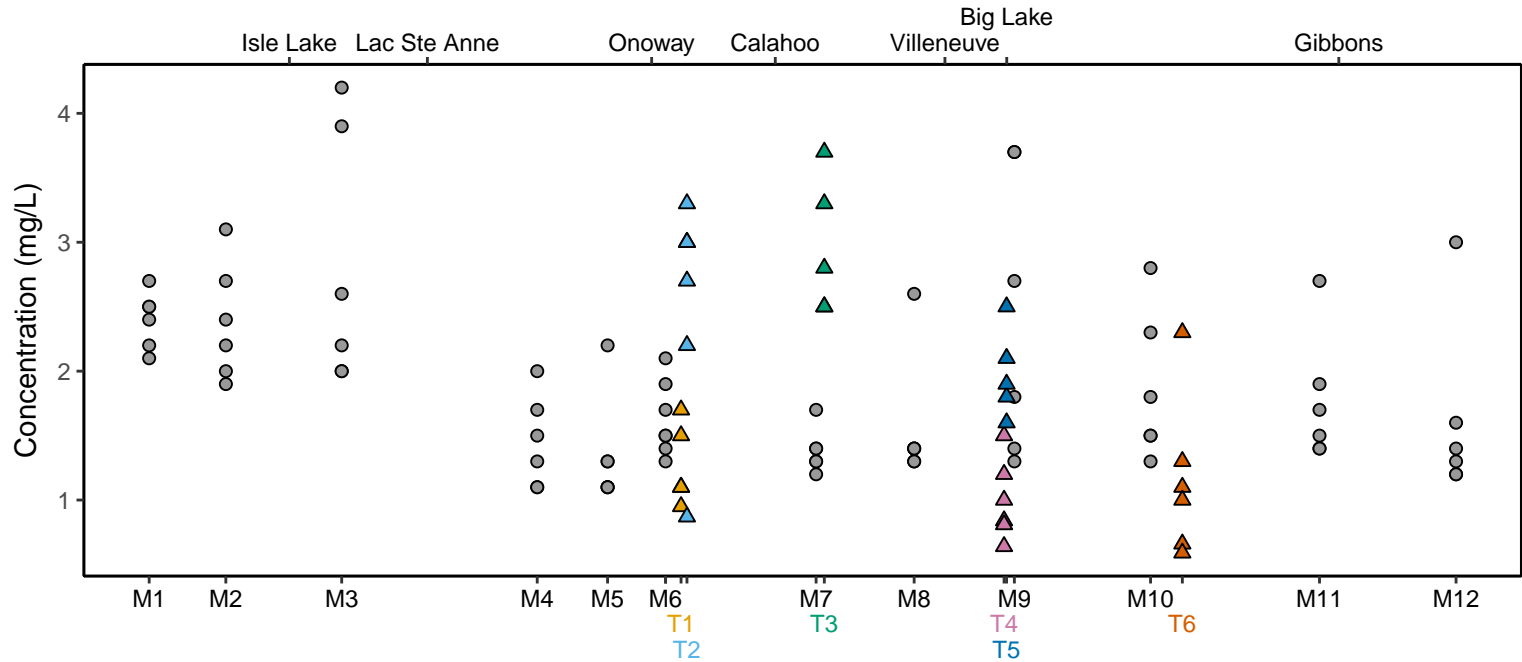
Gibbons

Concentration (mg/L)



Total Kjeldahl Nitrogen

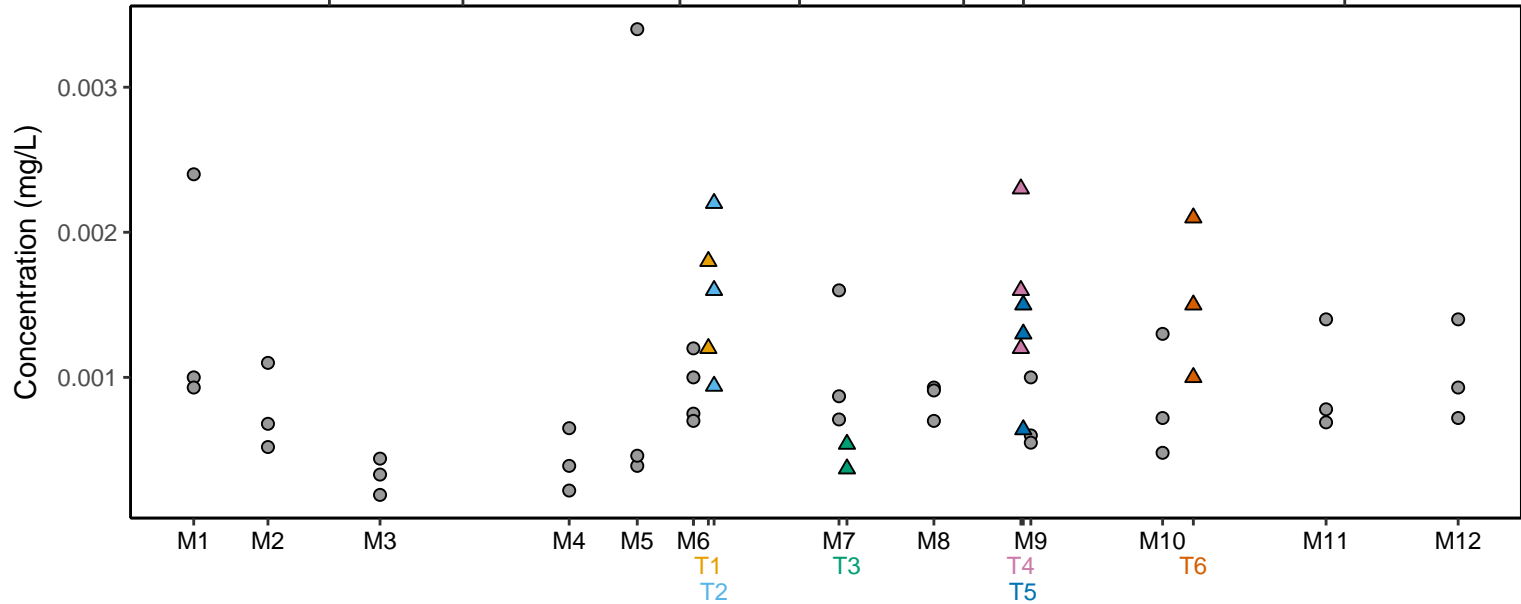
Open Water Period (Apr–Oct)



Total Uranium (U)

Open Water Period (Apr–Oct)

Isle Lake Lac Ste Anne Onoway Calahoo Villeneuve Big Lake Gibbons



Total Vanadium (V)

Open Water Period (Apr–Oct)

Isle Lake

Lac Ste Anne

Onoway

Calahoo

Big Lake
Villeneuve

Gibbons

Concentration (mg/L)

0.004
0.003
0.002
0.001

M1

M2

M3

M4

M5

M6

M7

M8

M9

M10

M11

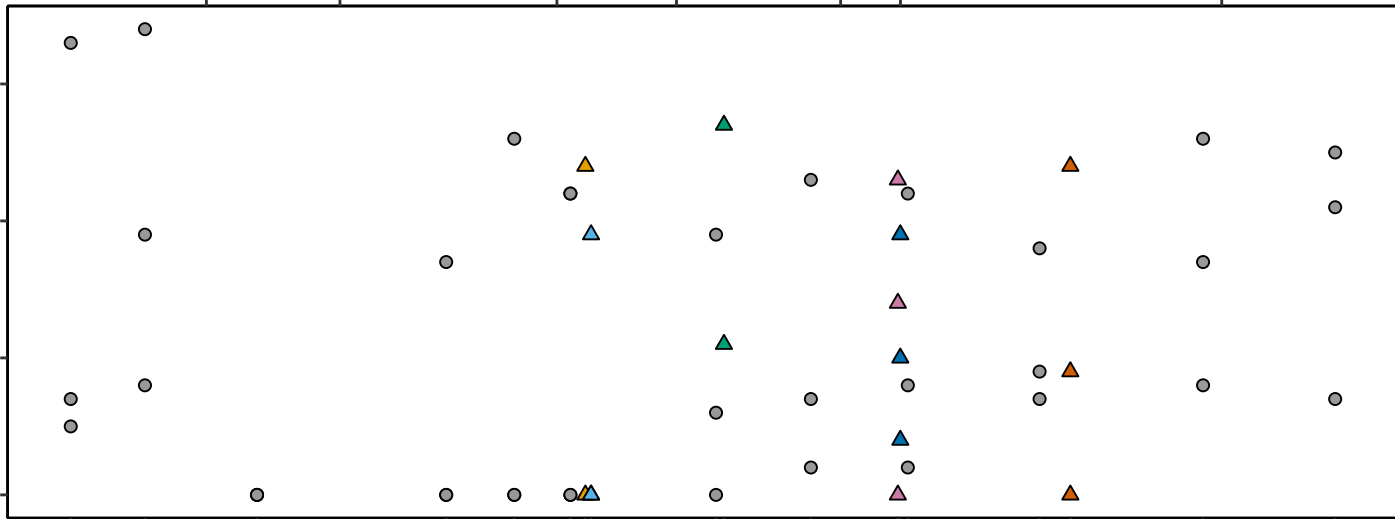
M12

T1
T2

T3

T4
T5

T6



Total Zinc (Zn)

Open Water Period (Apr–Oct)

Isle Lake

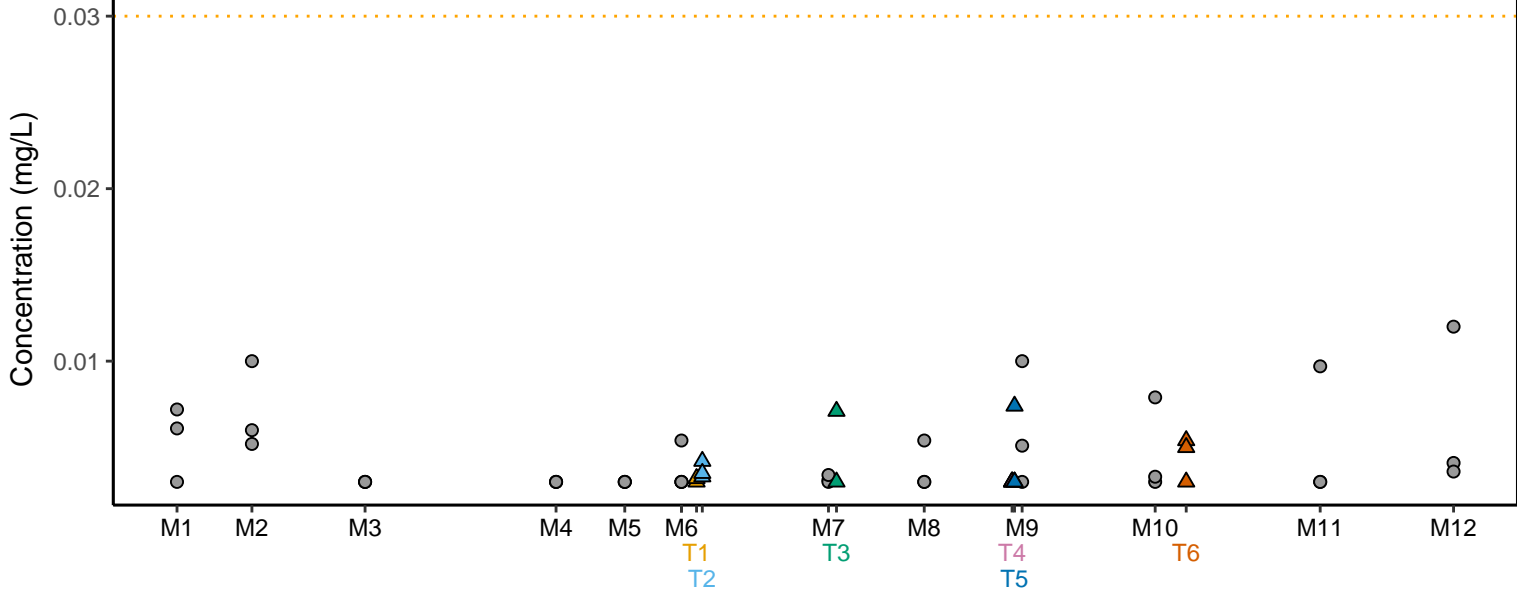
Lac Ste Anne

Onoway

Calahoo

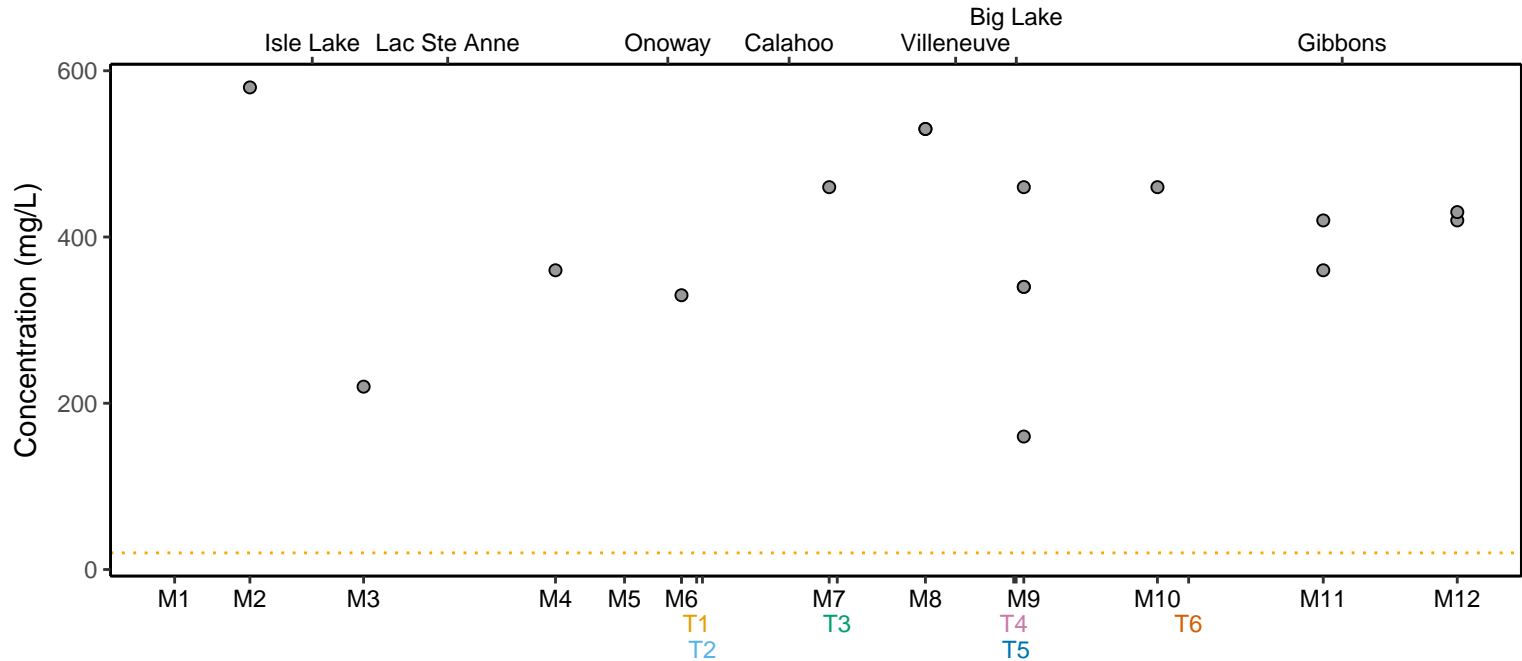
Big Lake
Villeneuve

Gibbons



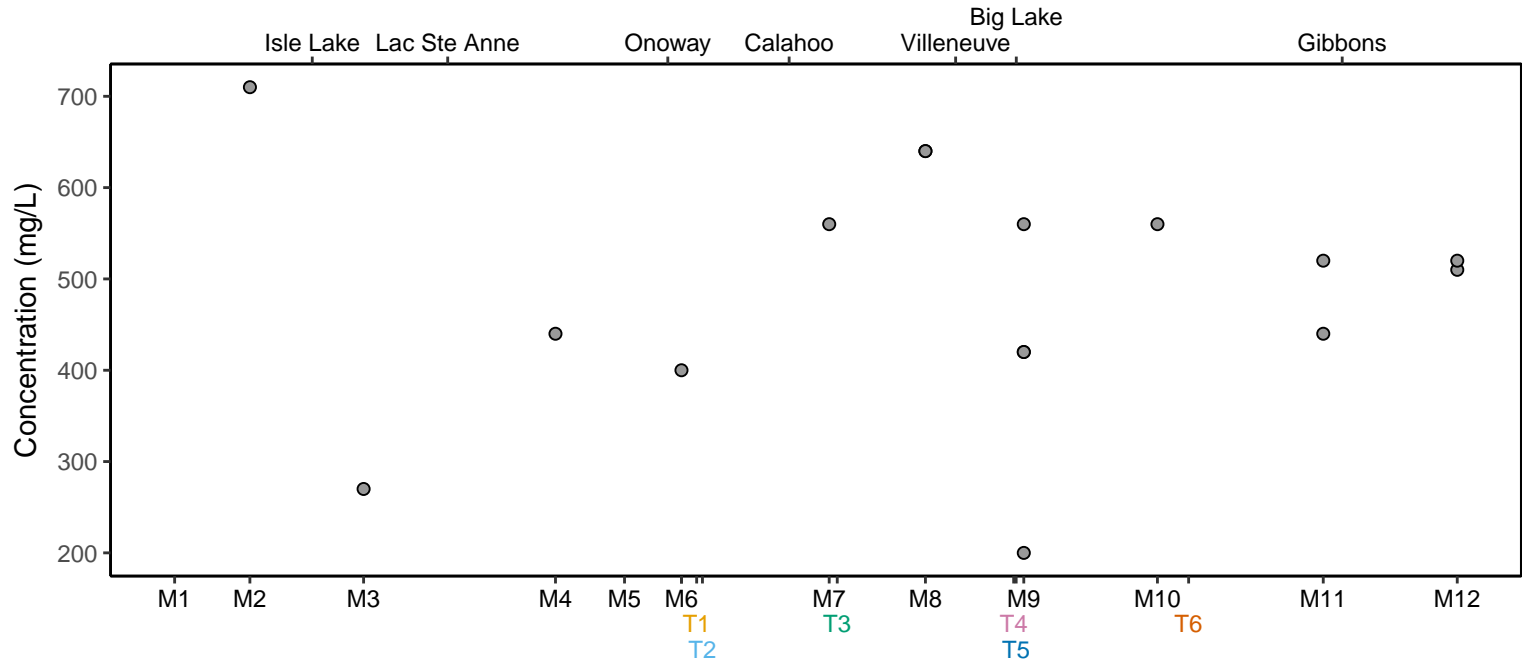
Alkalinity (Total as CaCO₃)

Winter Period (Nov–Mar)



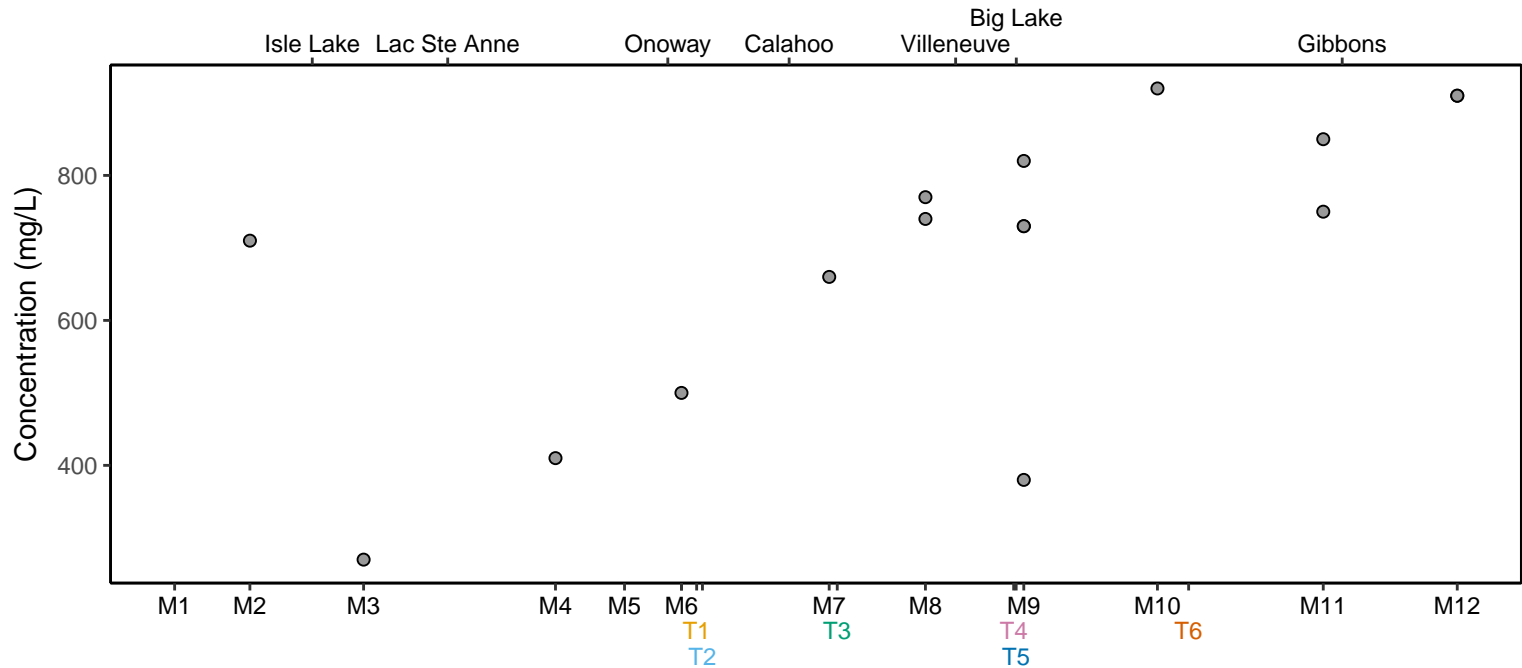
Bicarbonate (HCO_3)

Winter Period (Nov–Mar)



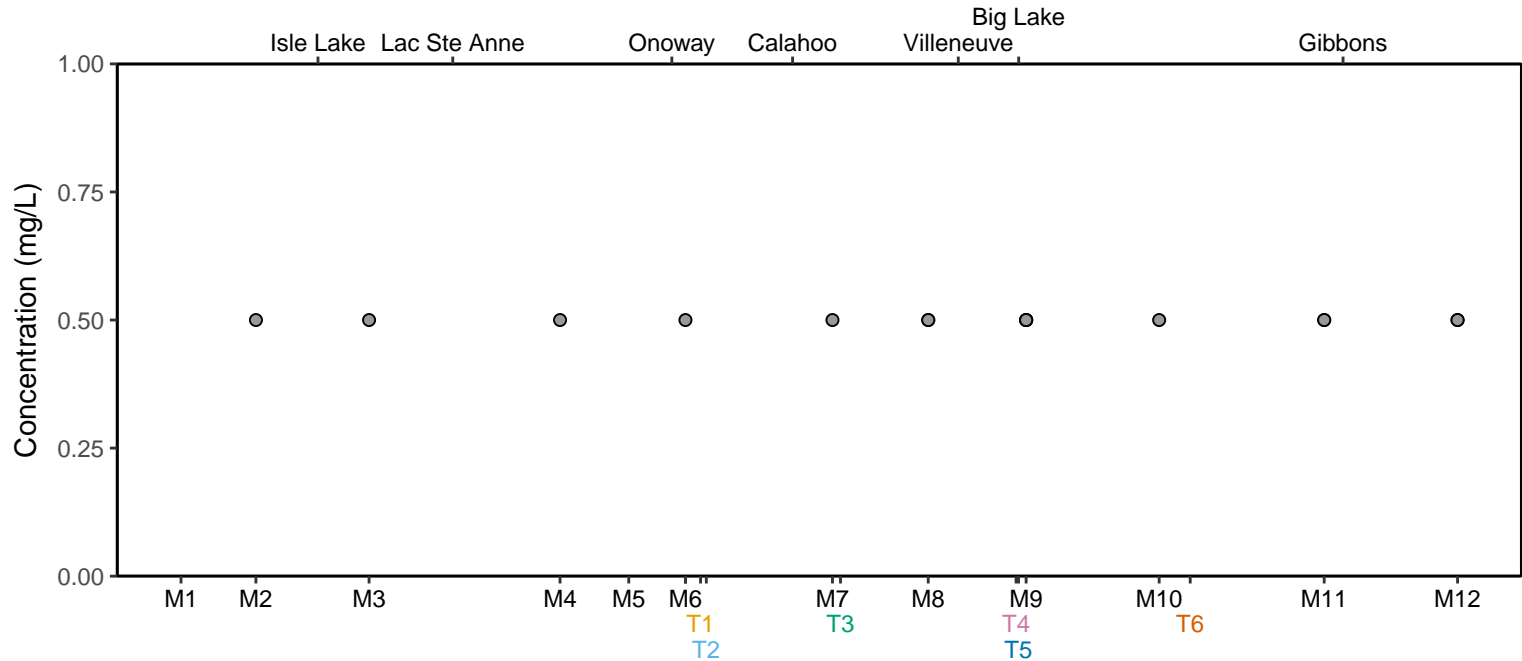
Calculated Total Dissolved Solids

Winter Period (Nov–Mar)



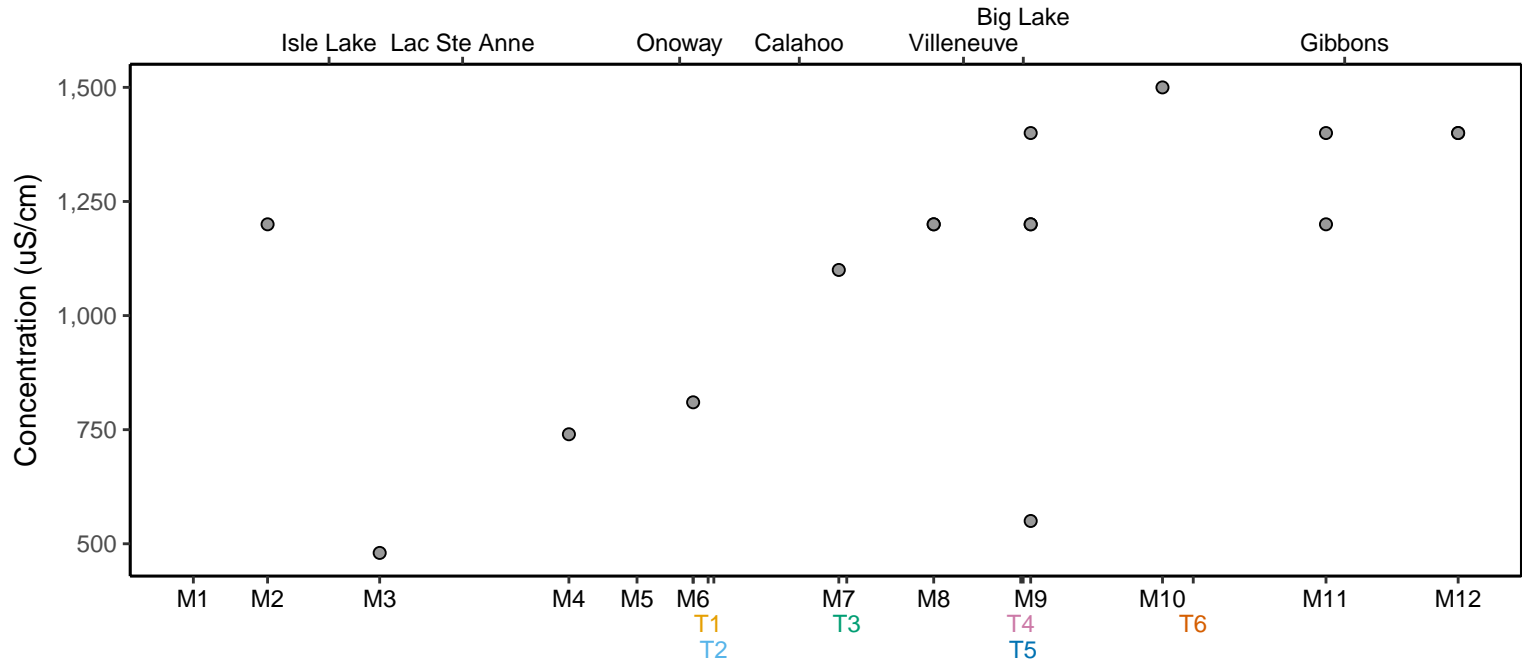
Carbonate (CO₃)

Winter Period (Nov–Mar)



Specific Conductivity (lab)

Winter Period (Nov–Mar)



Dissolved Aluminum (Al)

Winter Period (Nov–Mar)

Isle Lake

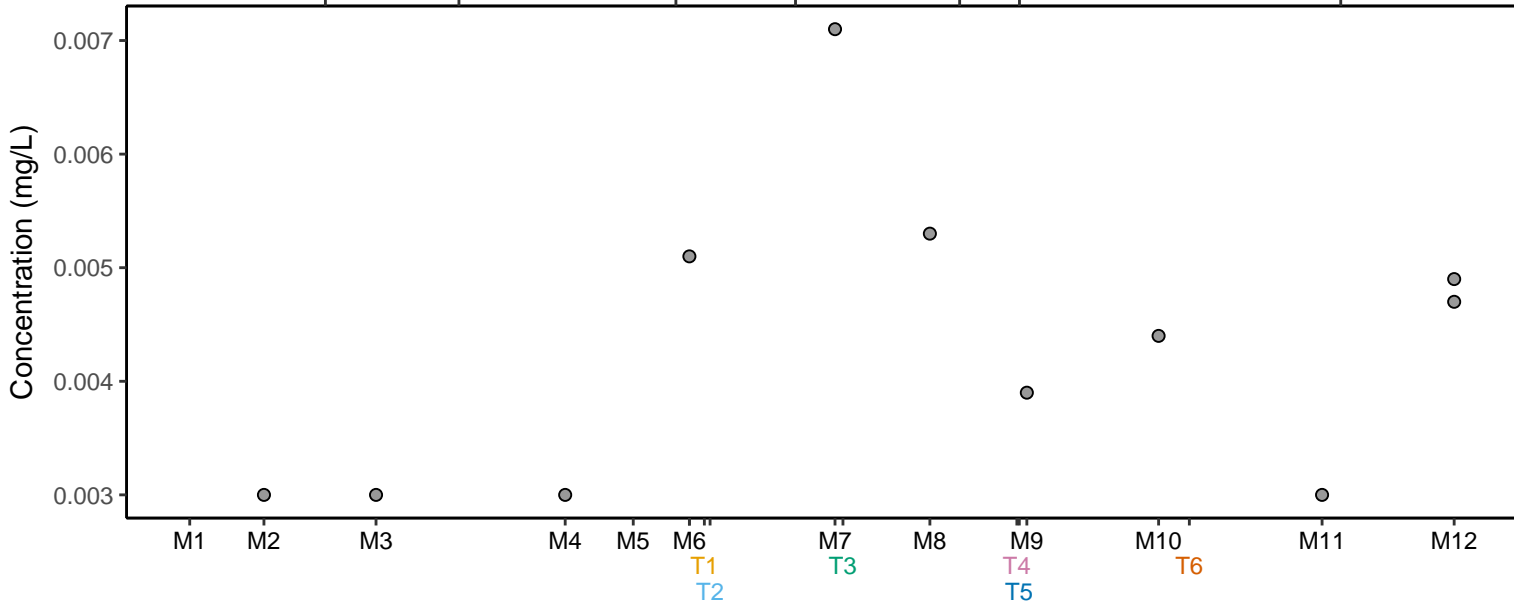
Lac Ste Anne

Onoway

Calahoo

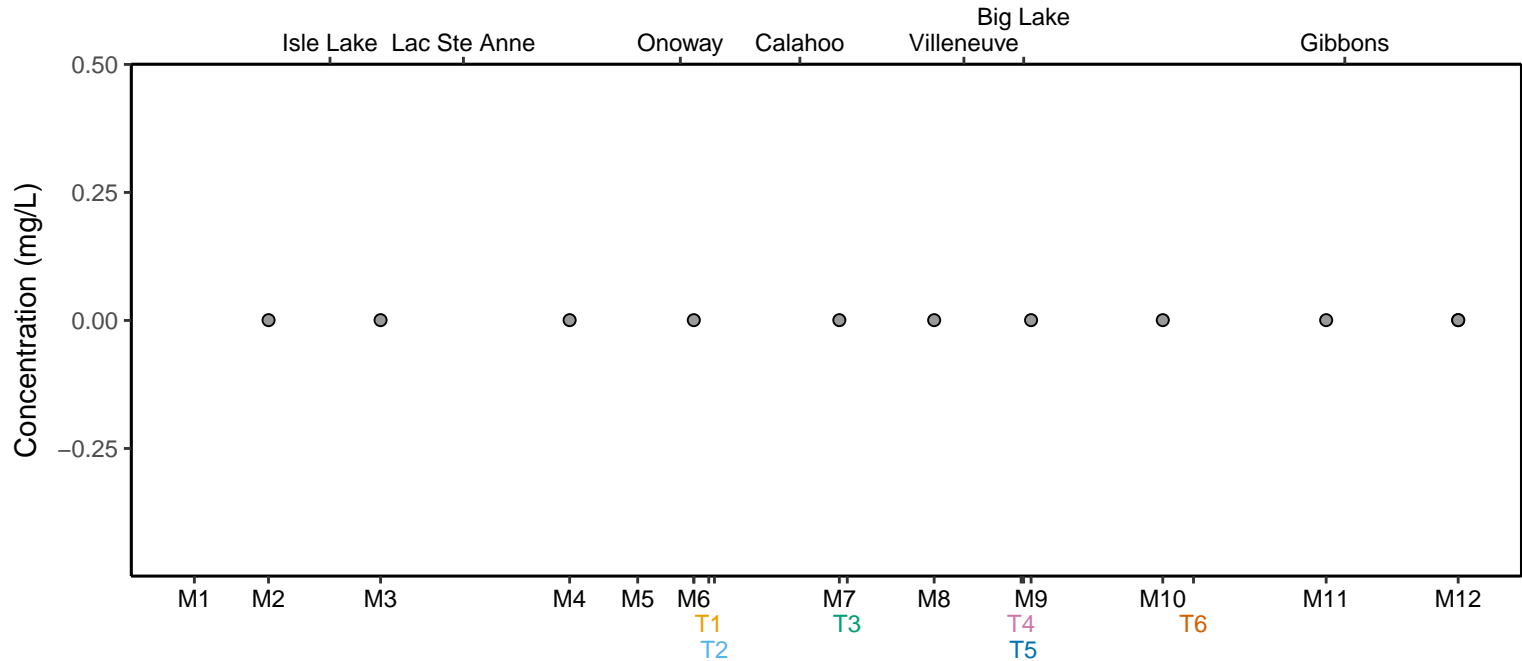
Big Lake
Villeneuve

Gibbons



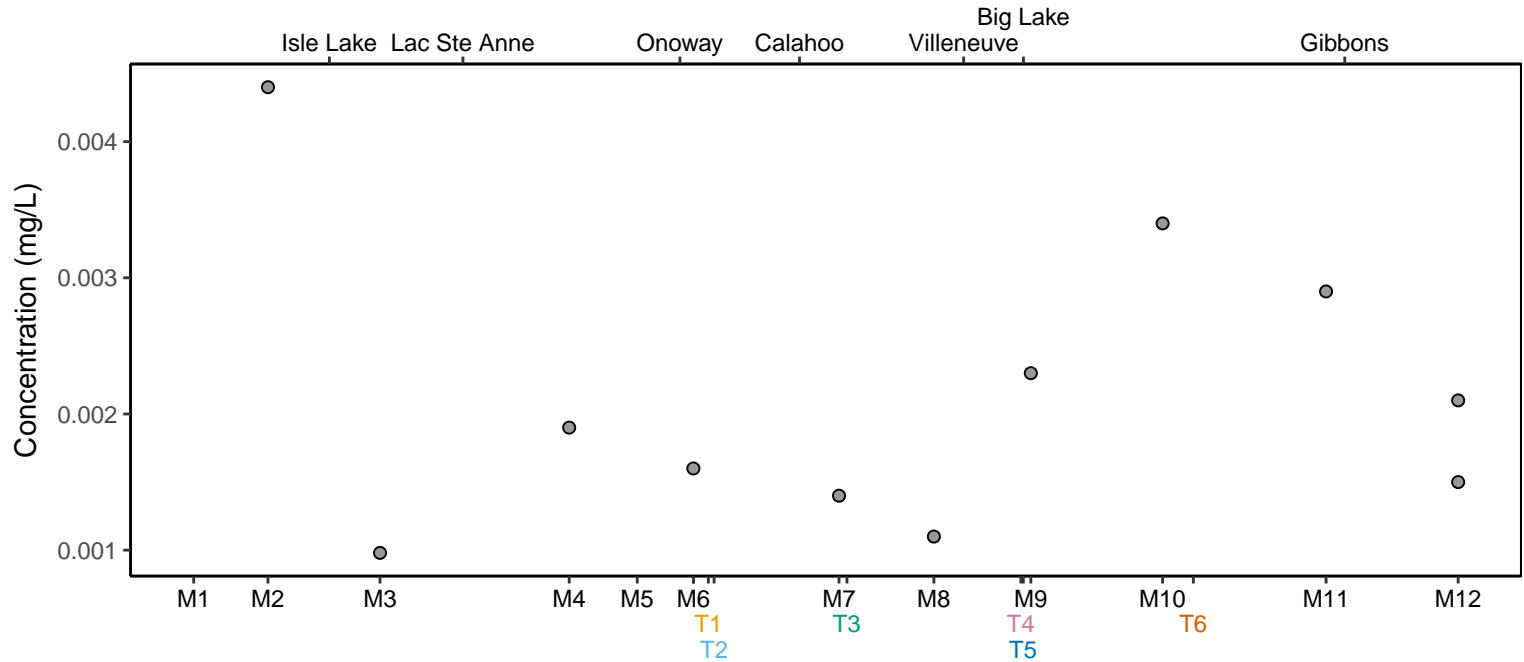
Dissolved Antimony (Sb)

Winter Period (Nov–Mar)



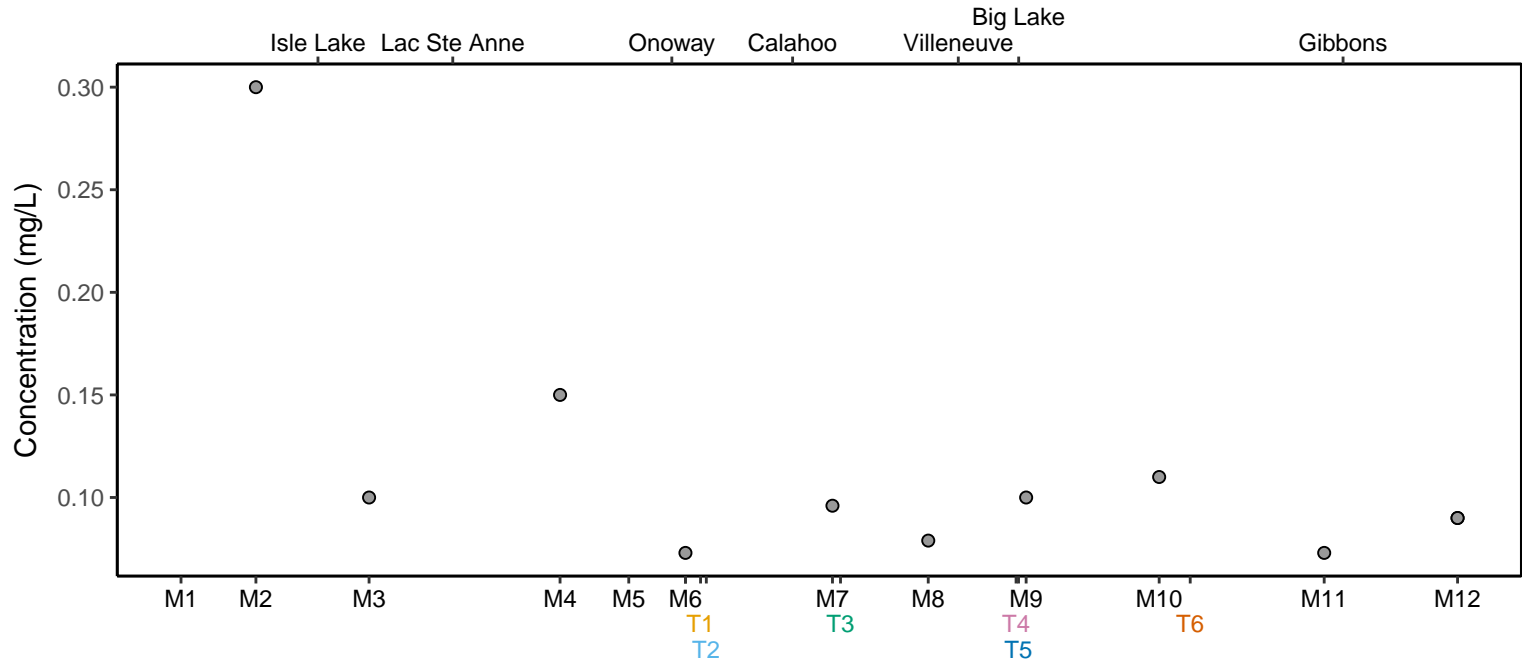
Dissolved Arsenic (As)

Winter Period (Nov–Mar)



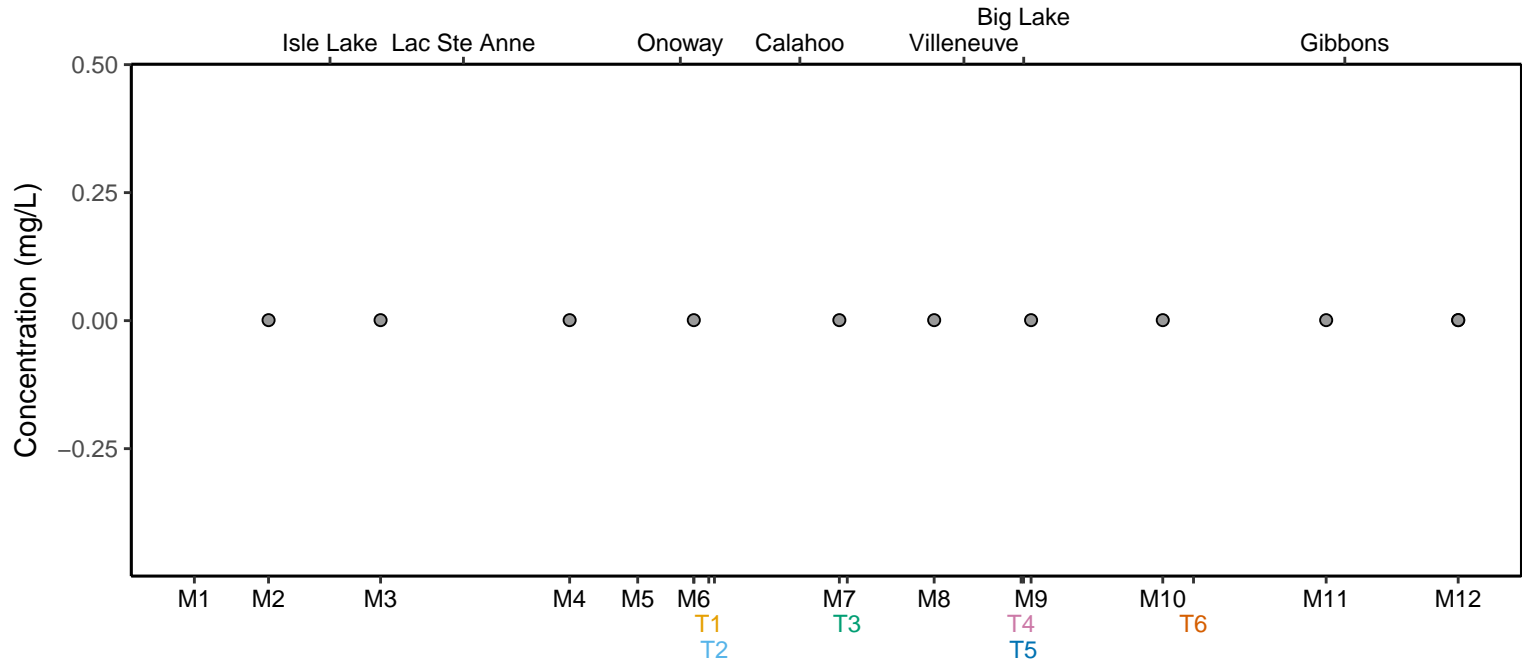
Dissolved Barium (Ba)

Winter Period (Nov–Mar)



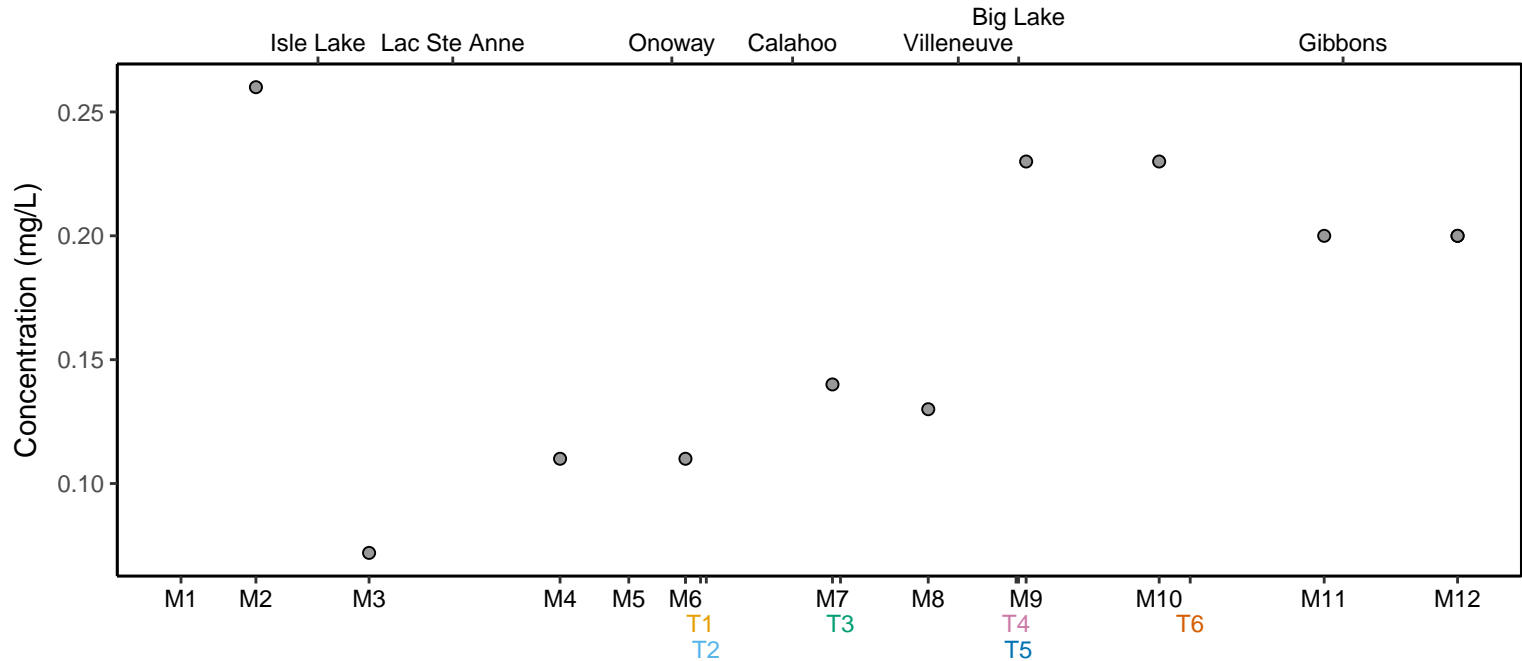
Dissolved Beryllium (Be)

Winter Period (Nov–Mar)



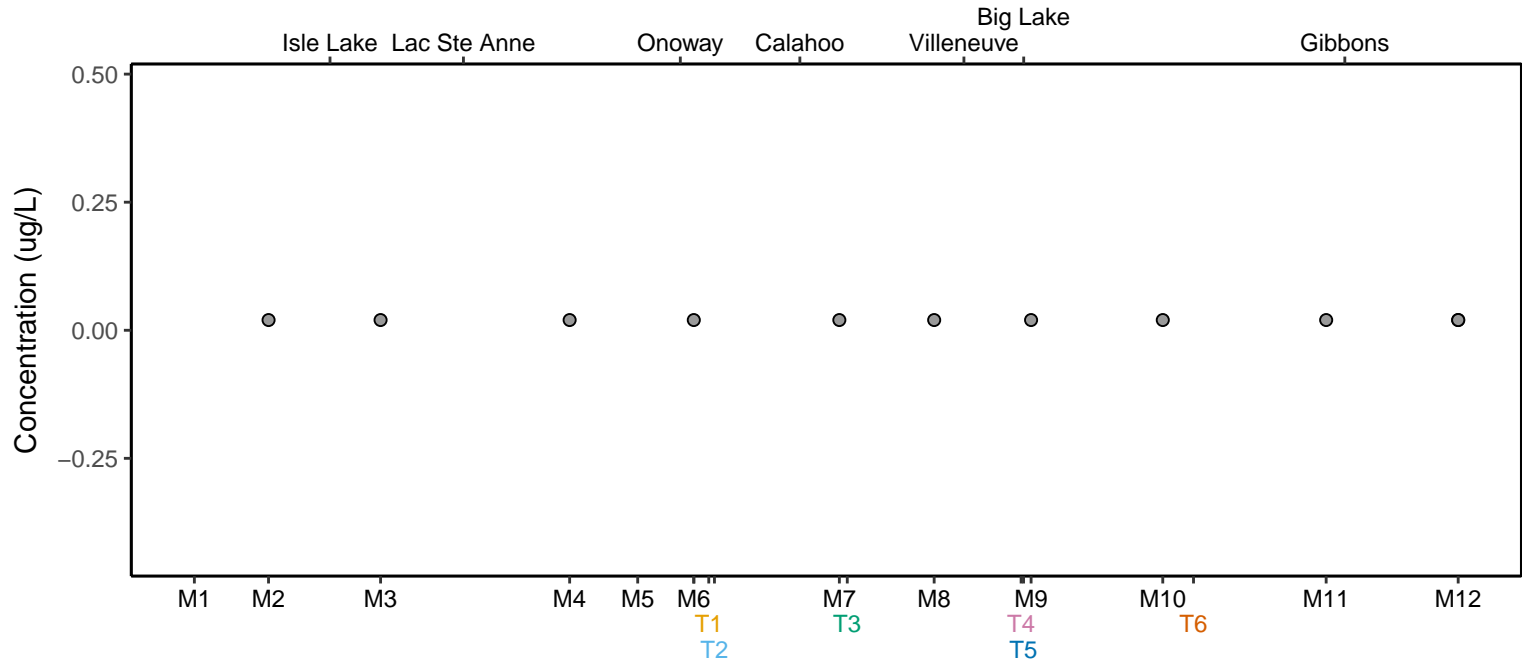
Dissolved Boron (B)

Winter Period (Nov–Mar)



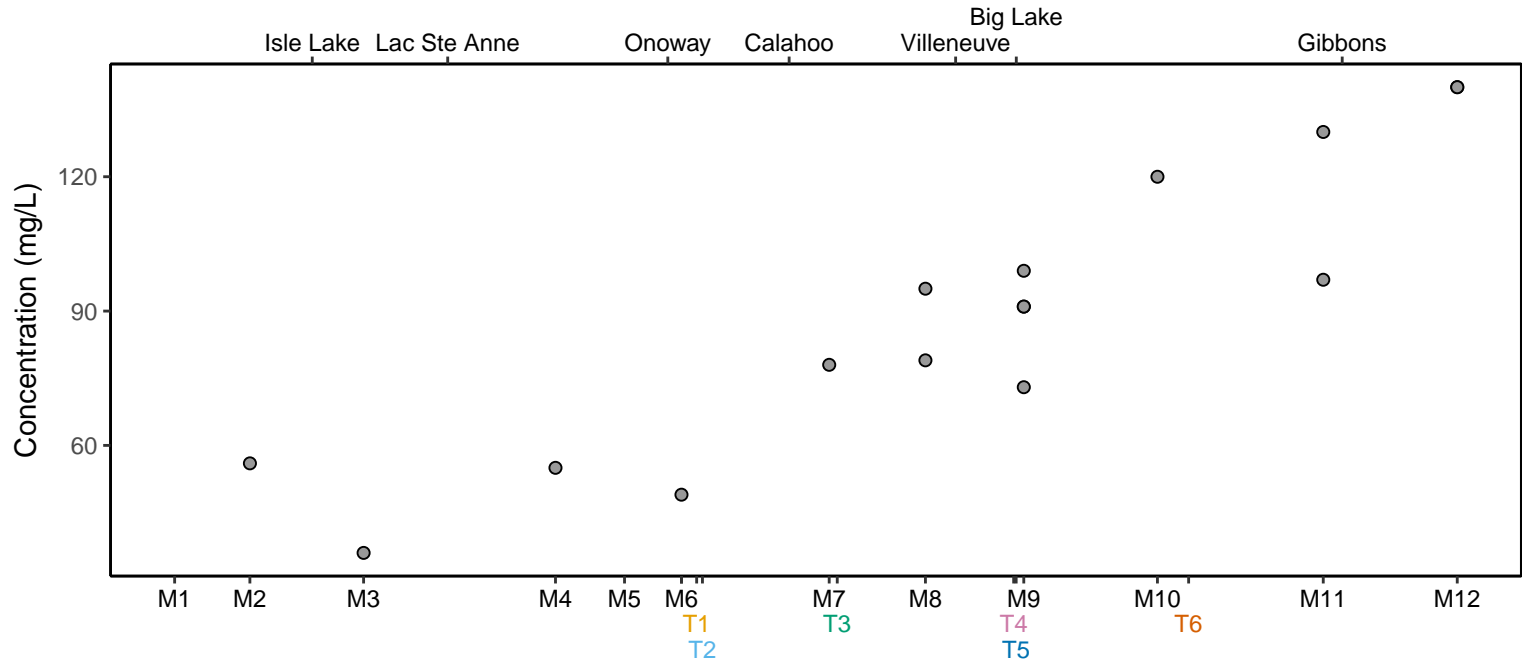
Dissolved Cadmium (Cd)

Winter Period (Nov–Mar)



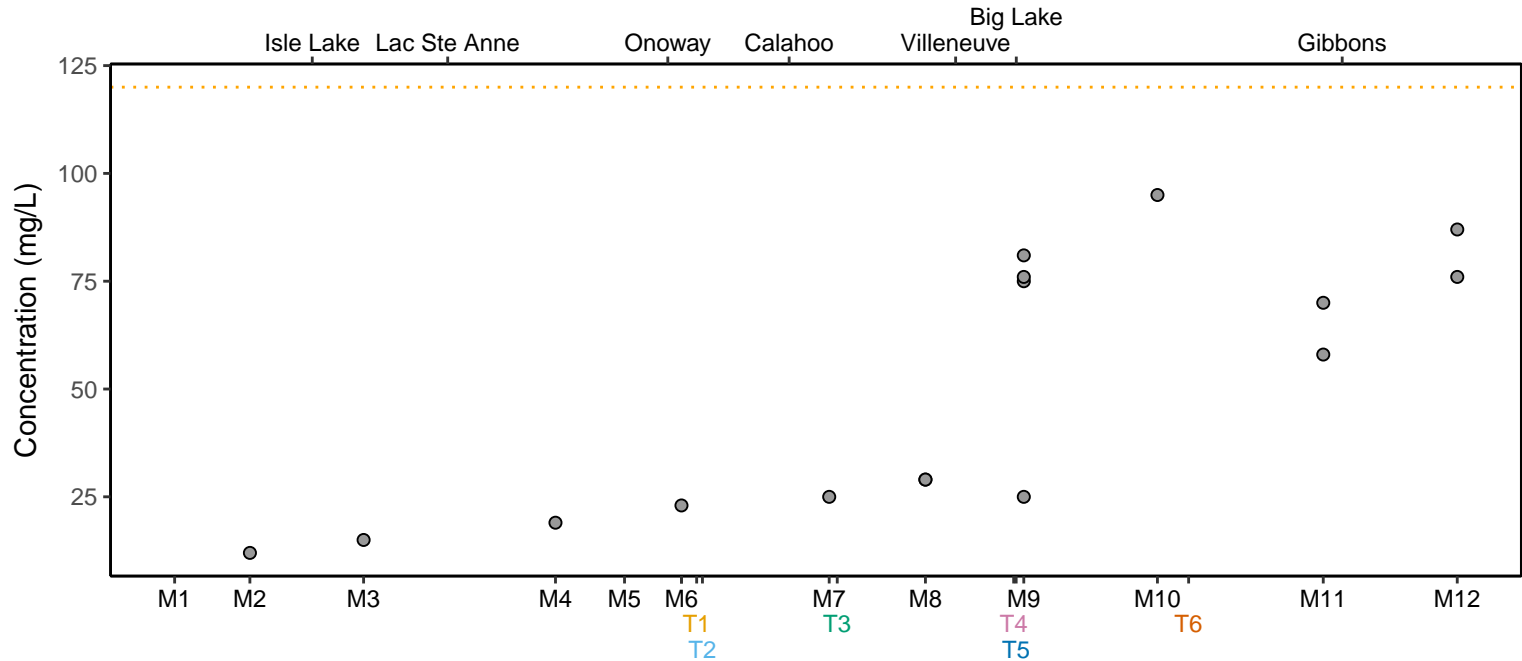
Dissolved Calcium (Ca)

Winter Period (Nov–Mar)



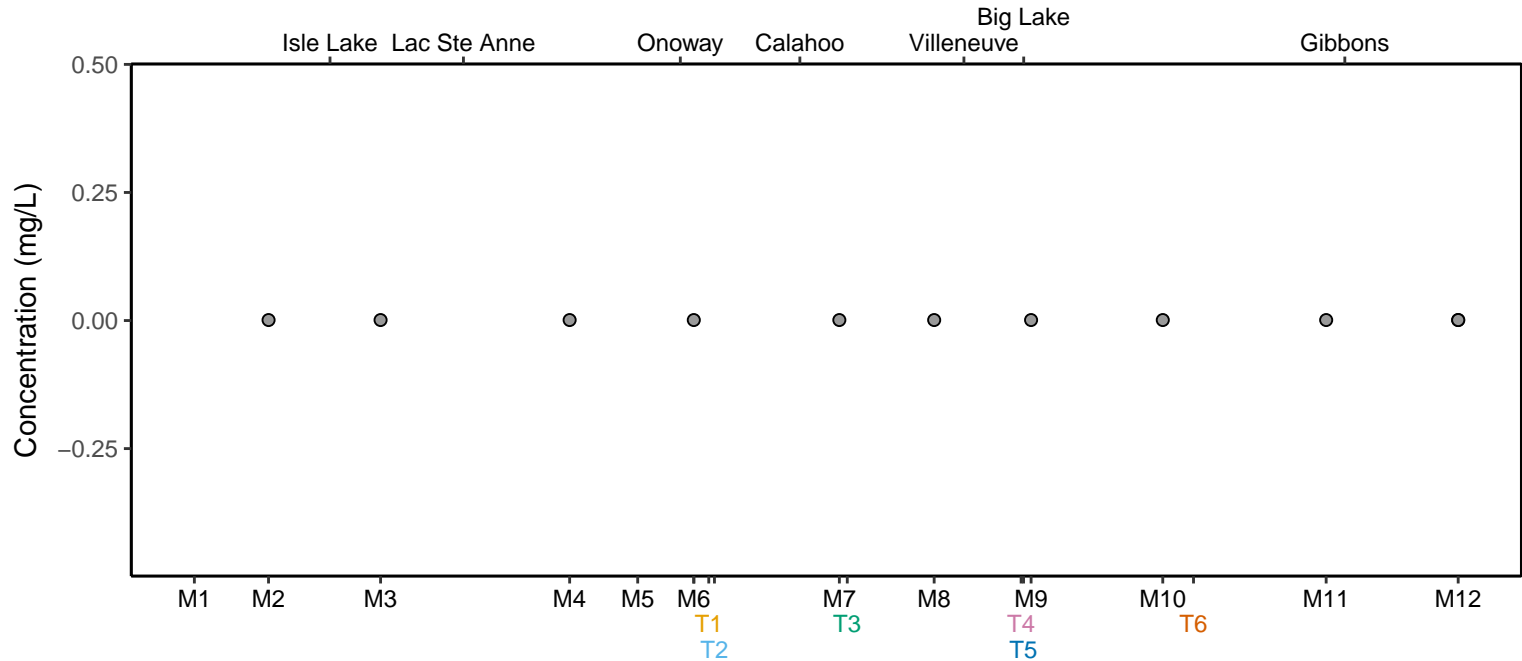
Dissolved Chloride (Cl)

Winter Period (Nov–Mar)



Dissolved Chromium (Cr)

Winter Period (Nov–Mar)



Dissolved Cobalt (Co)

Winter Period (Nov–Mar)

Isle Lake

Lac Ste Anne

Onoway

Calahoo

Big Lake
Villeneuve

Gibbons

Concentration (mg/L)

0.0012

0.0008

0.0004

M1

M2

M3

M4

M5

M6

M7

M8

M9

M10

M11

M12

T1

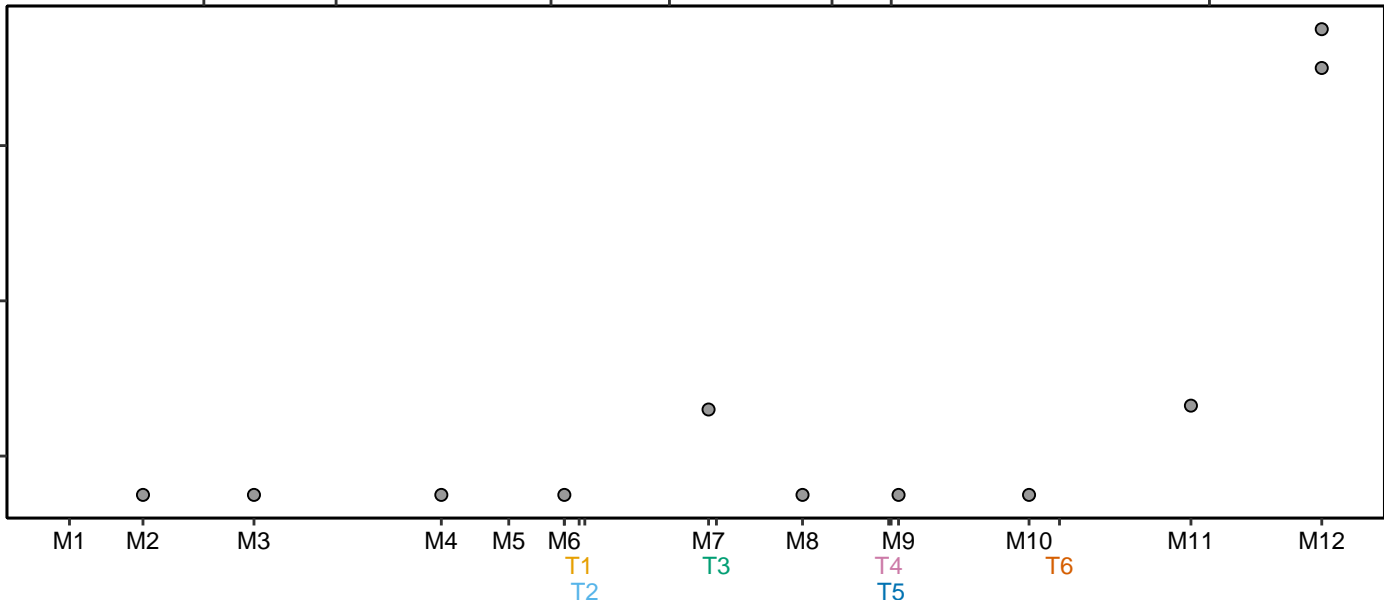
T2

T3

T4

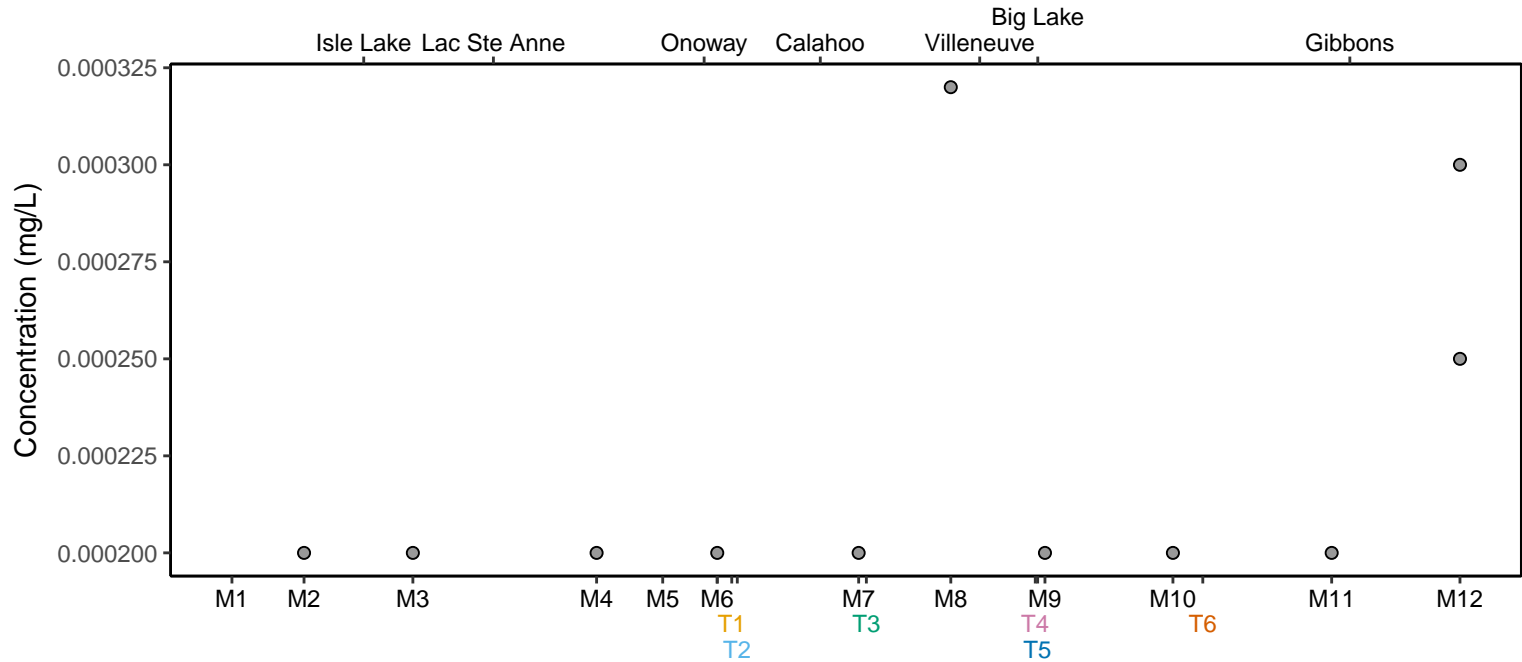
T5

T6



Dissolved Copper (Cu)

Winter Period (Nov–Mar)



Dissolved Iron (Fe)

Winter Period (Nov–Mar)

Isle Lake

Lac Ste Anne

Onoway

Calahoo

Big Lake

Villeneuve

Gibbons

Concentration (mg/L)

0.75

0.50

0.25

M1

M2

M3

M4

M5

M6

M7

M8

M9

M10

M11

M12

T1

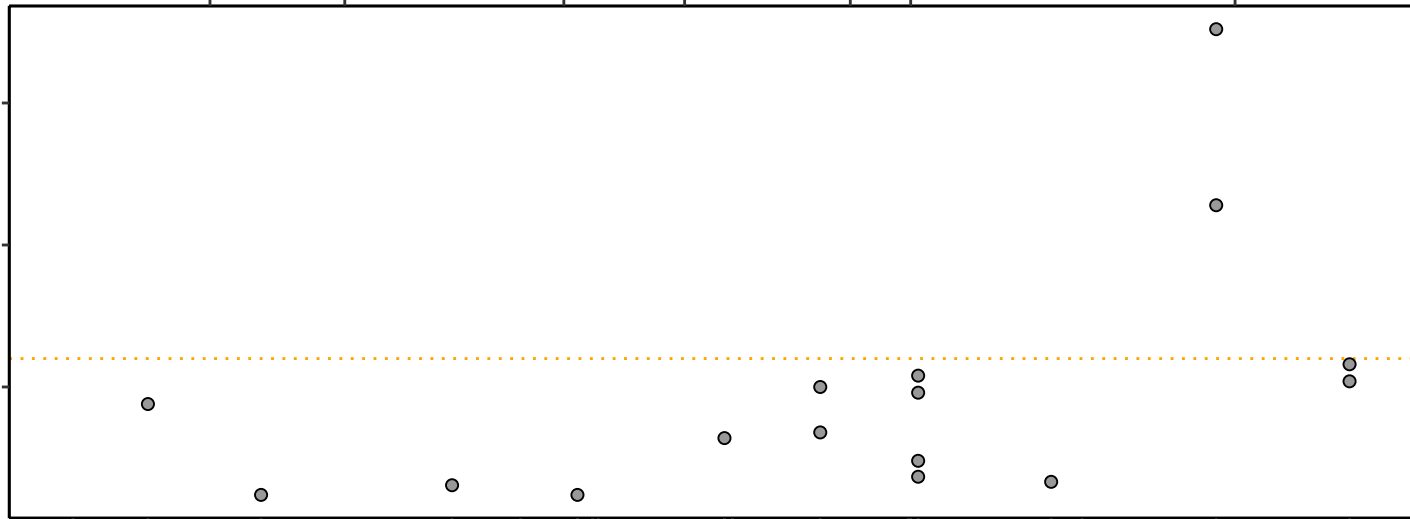
T2

T3

T4

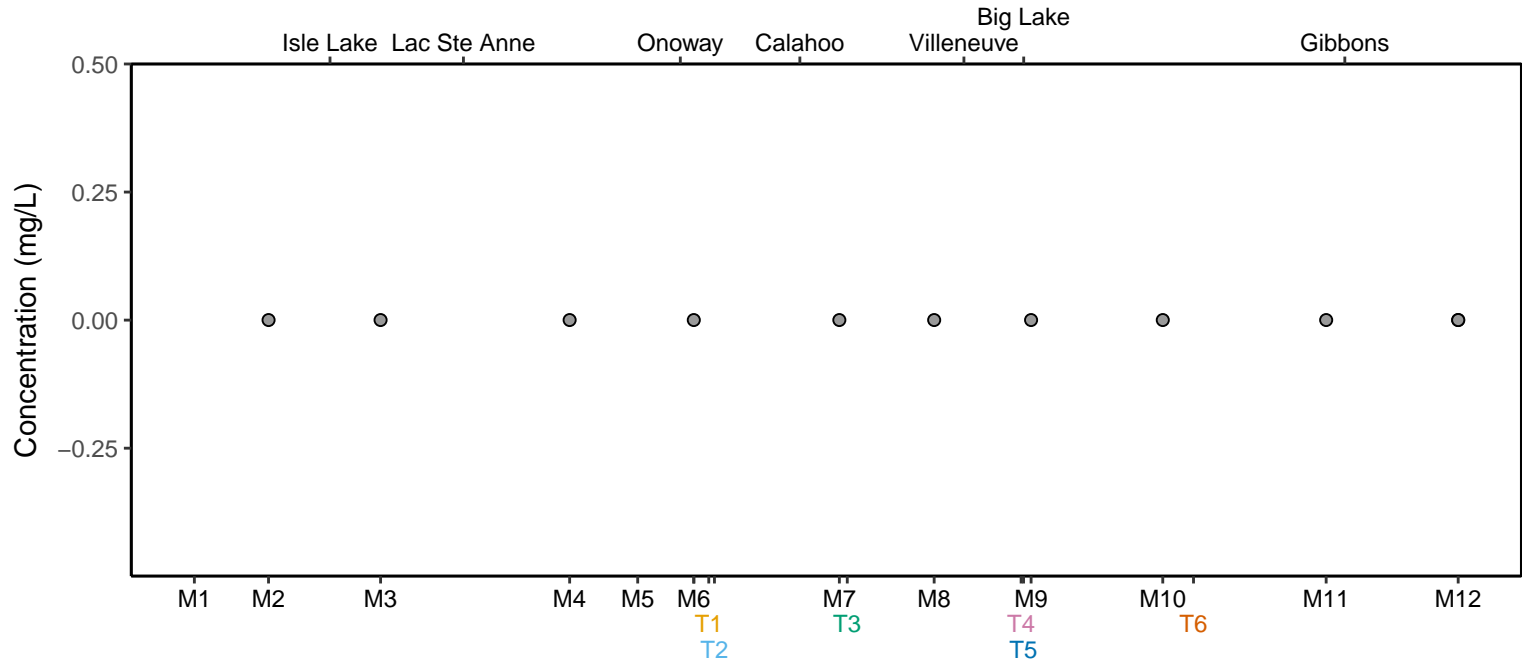
T5

T6



Dissolved Lead (Pb)

Winter Period (Nov–Mar)



Dissolved Lithium (Li)

Winter Period (Nov–Mar)

Isle Lake

Lac Ste Anne

Onoway

Calahoo

Big Lake
Villeneuve

Gibbons

Concentration (mg/L)

0.08

0.06

0.04

M1

M2

M3

M4

M5

M6

M7

M8

M9

M10

M11

M12

T1

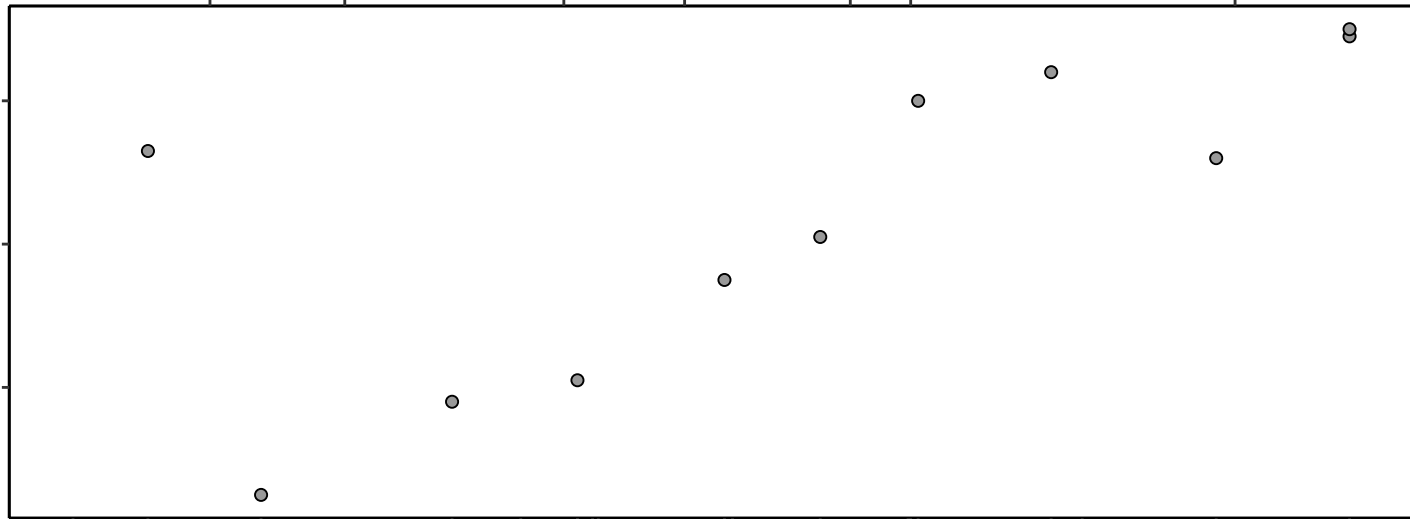
T2

T3

T4

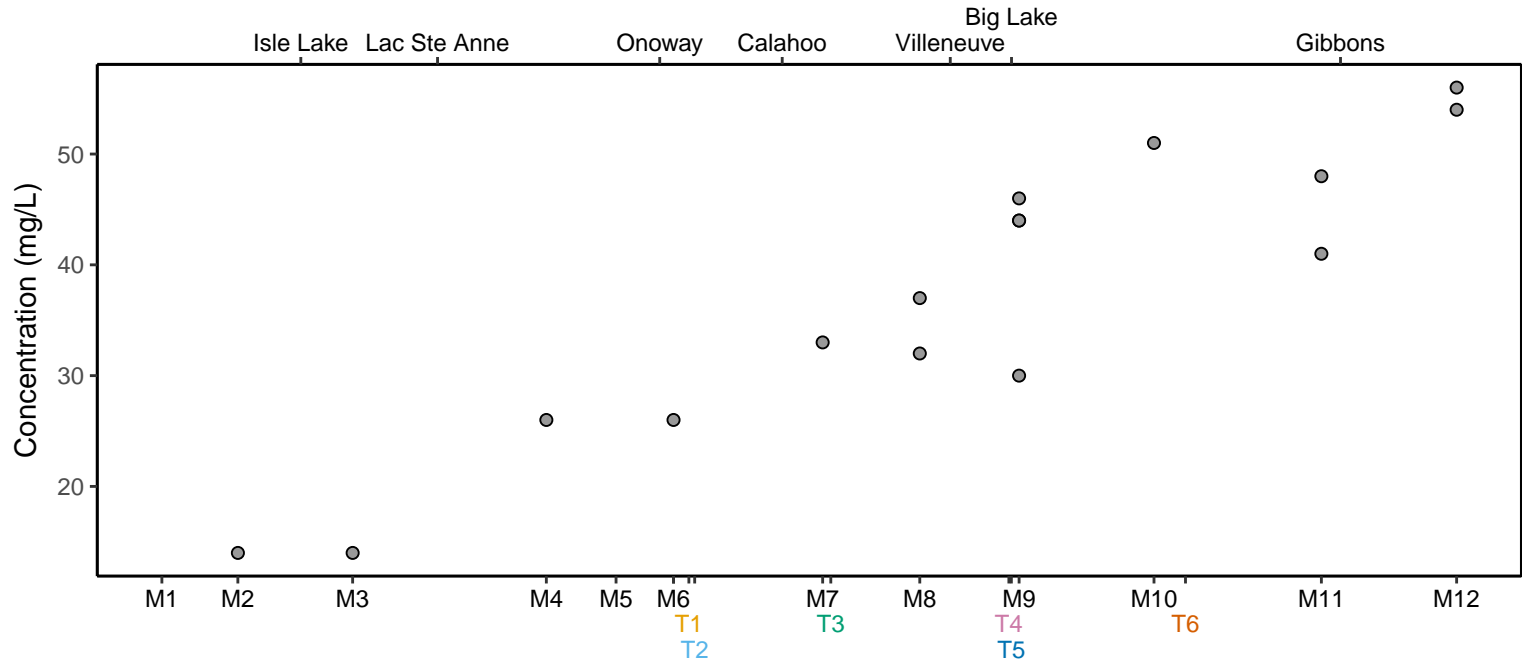
T5

T6



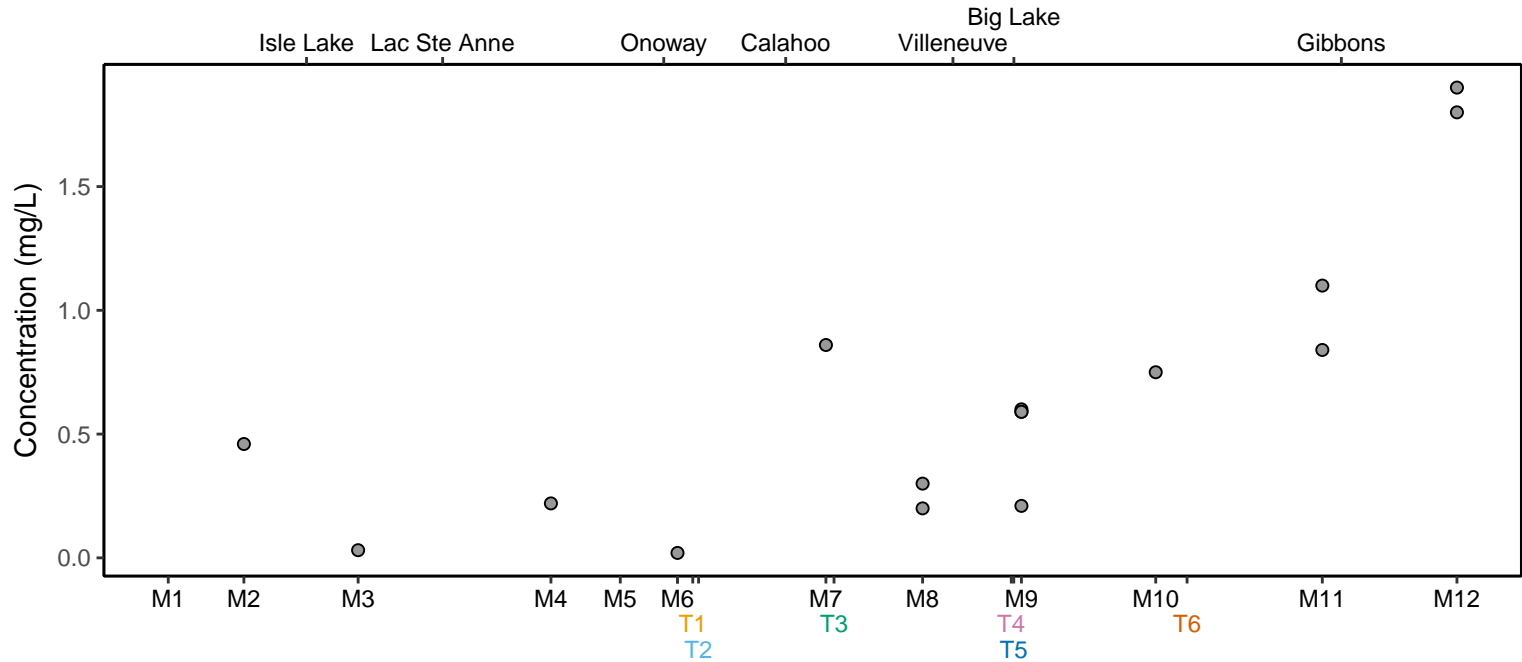
Dissolved Magnesium (Mg)

Winter Period (Nov–Mar)



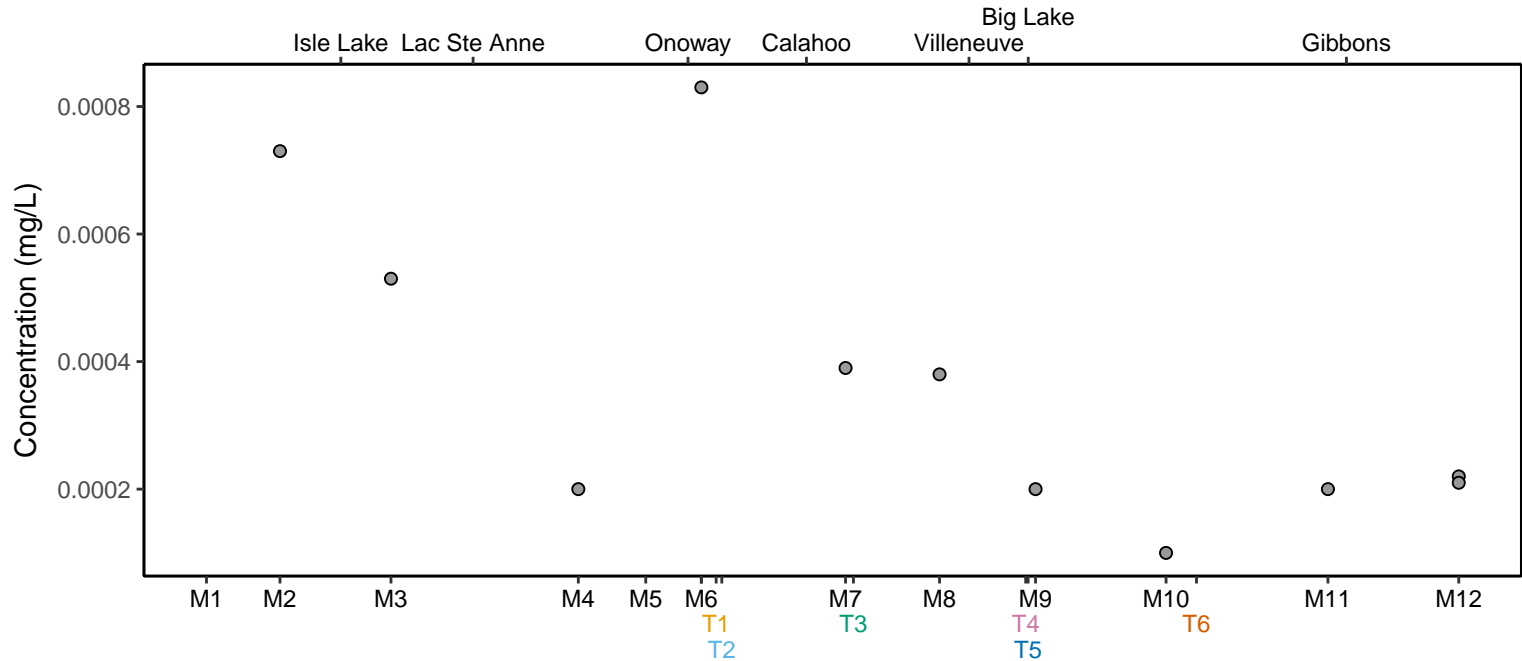
Dissolved Manganese (Mn)

Winter Period (Nov–Mar)



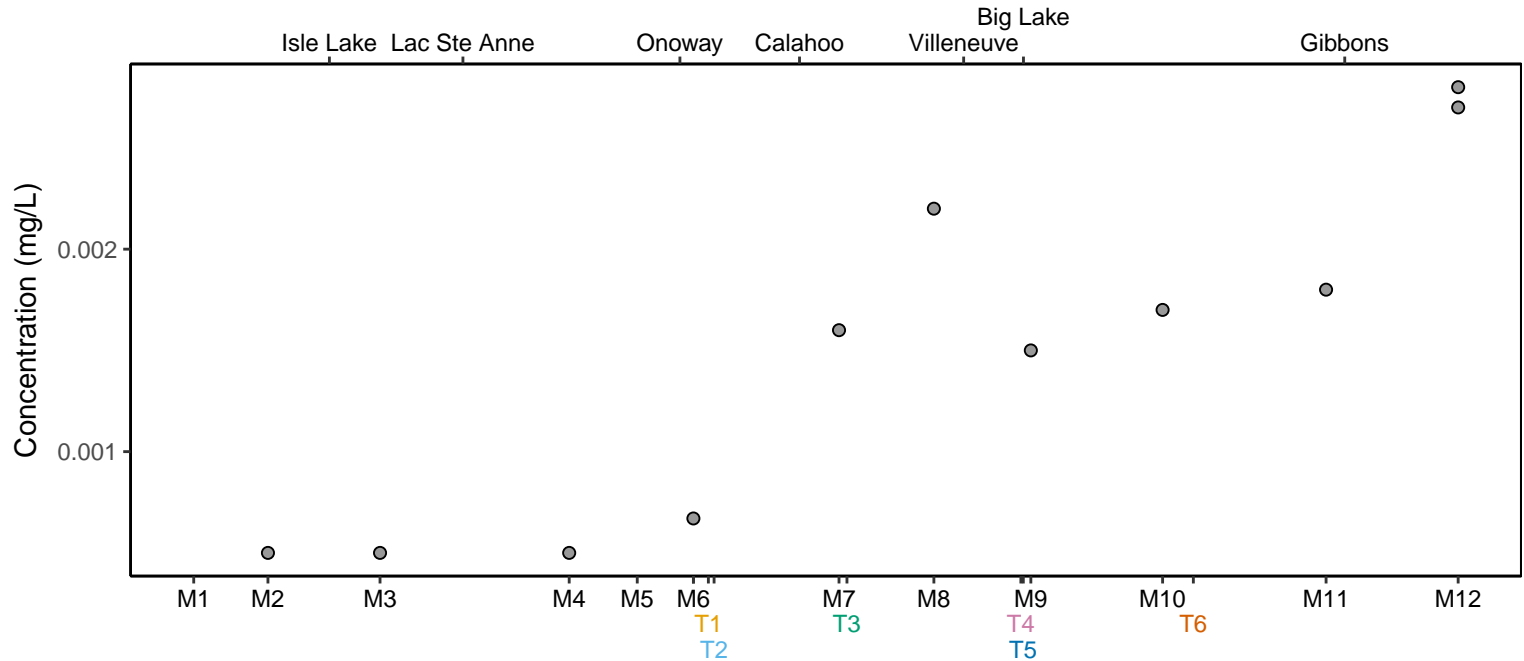
Dissolved Molybdenum (Mo)

Winter Period (Nov–Mar)



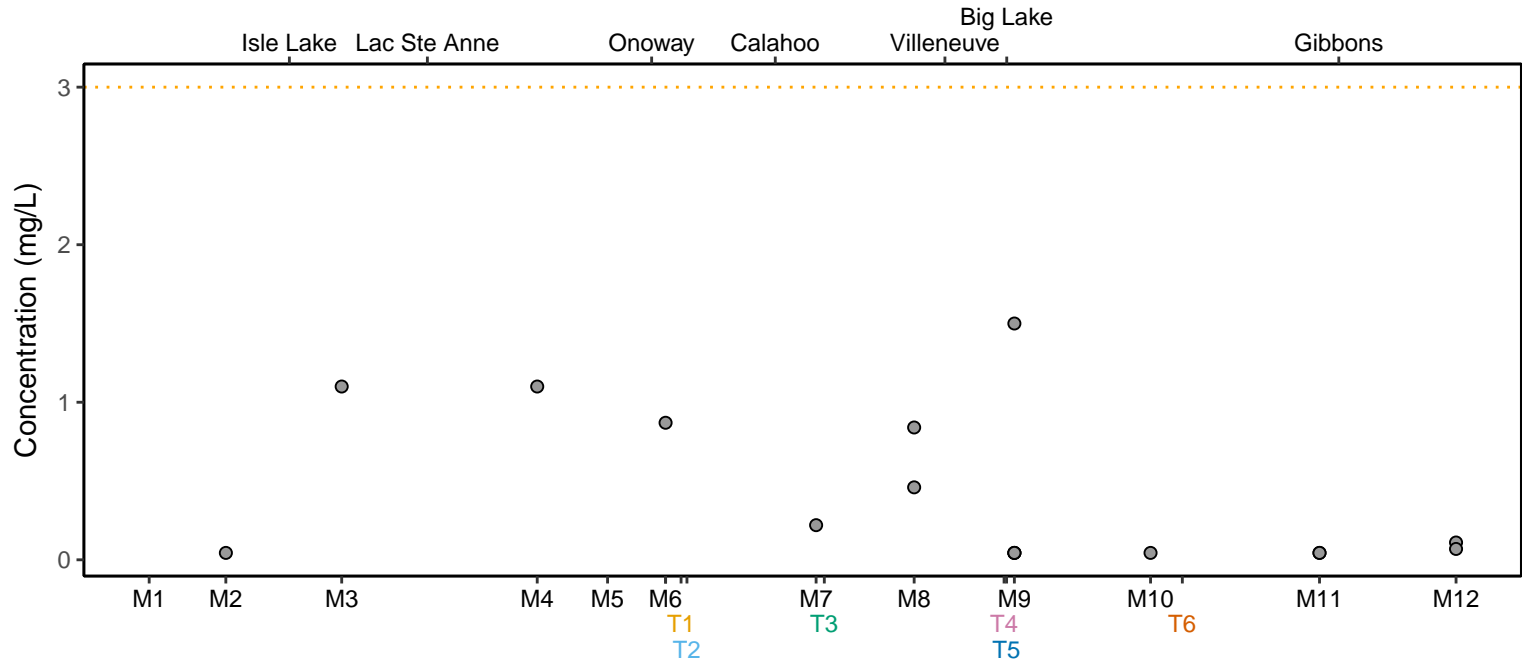
Dissolved Nickel (Ni)

Winter Period (Nov–Mar)



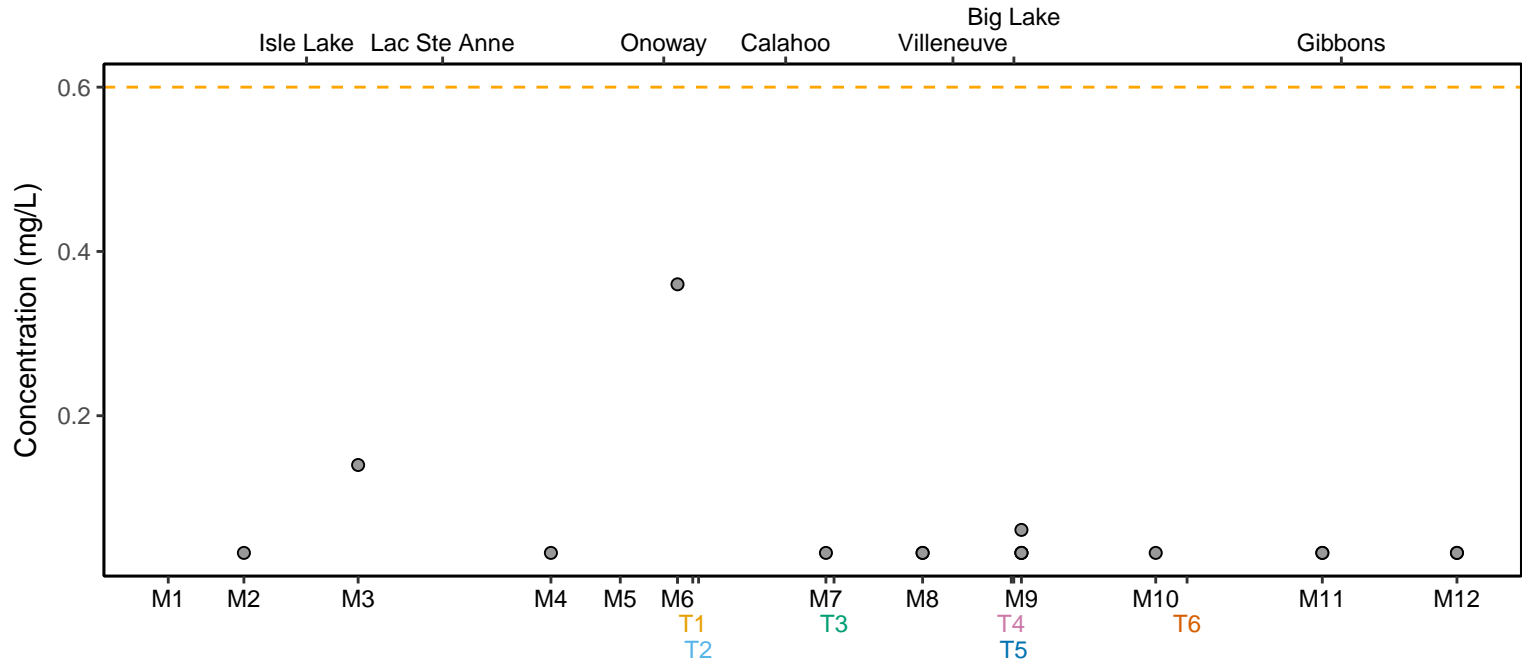
Dissolved Nitrate (NO₃)

Winter Period (Nov–Mar)



Dissolved Nitrite (NO₂)

Winter Period (Nov–Mar)

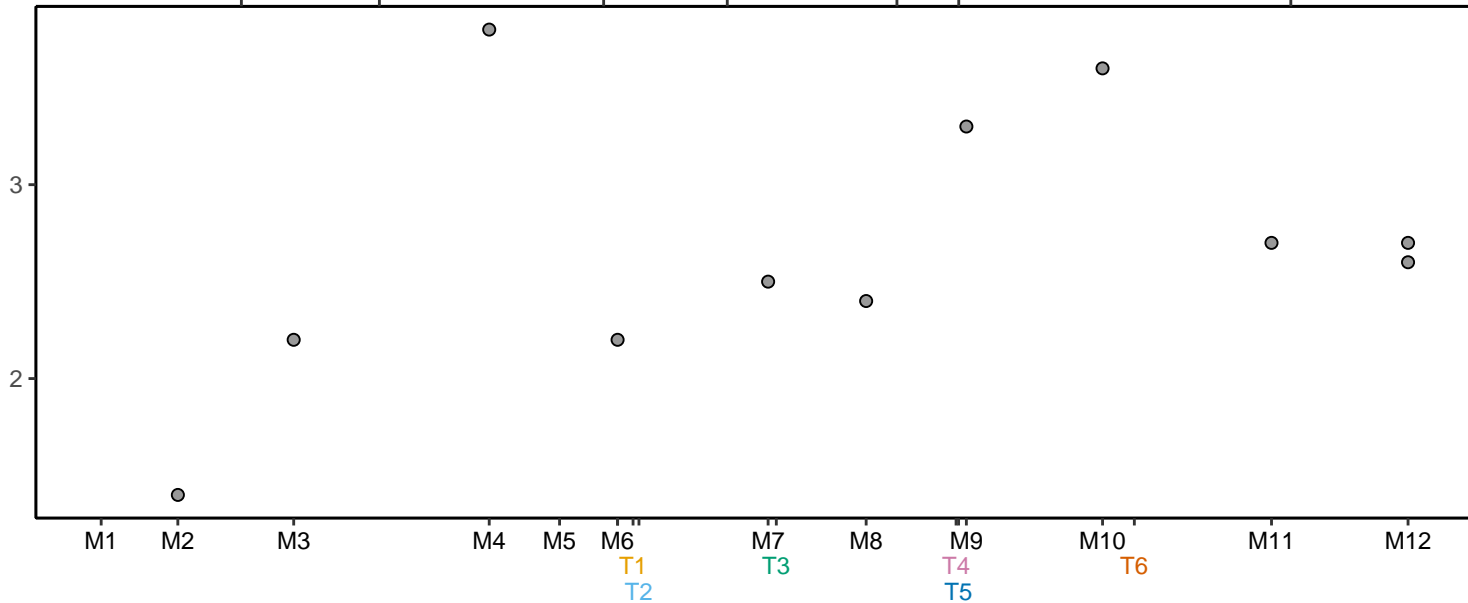


Dissolved Nitrogen

Winter Period (Nov–Mar)

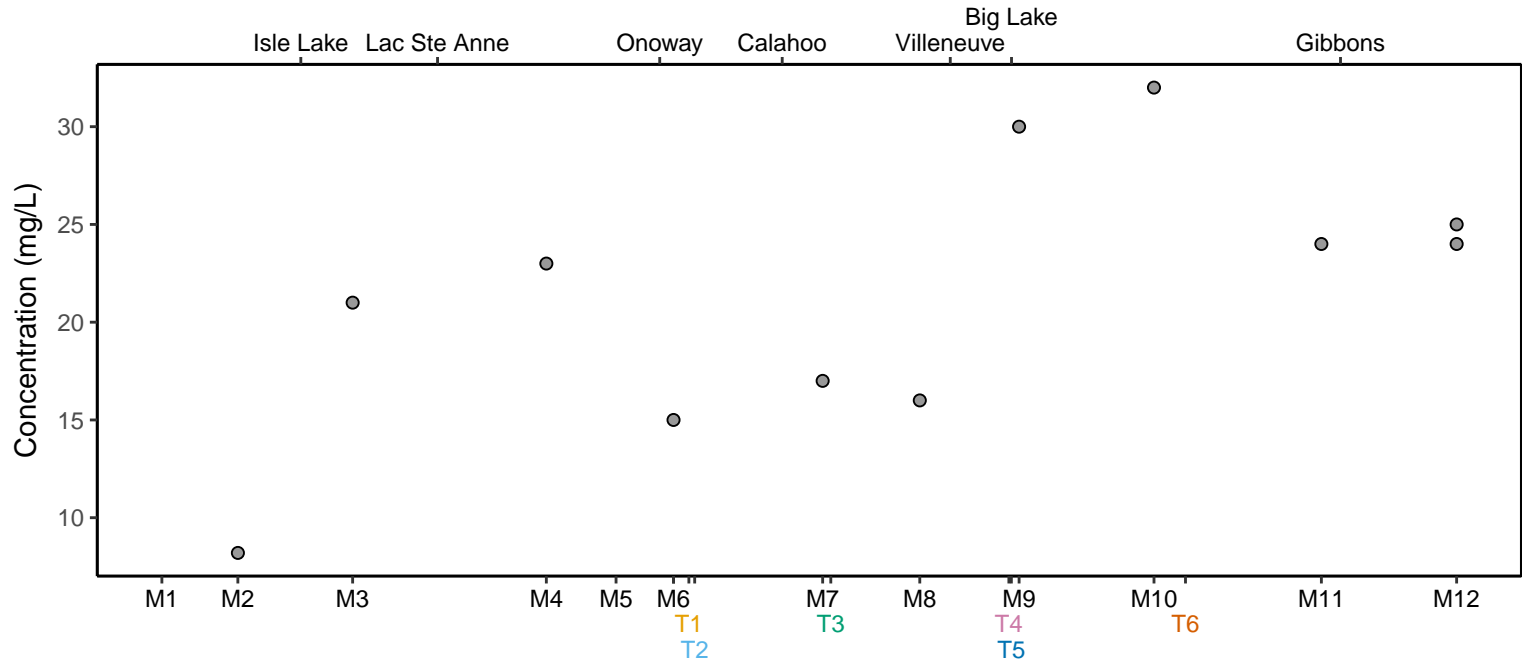
Isle Lake Lac Ste Anne Onoway Calahoo Villeneuve Big Lake Gibbons

Concentration (mg/L)



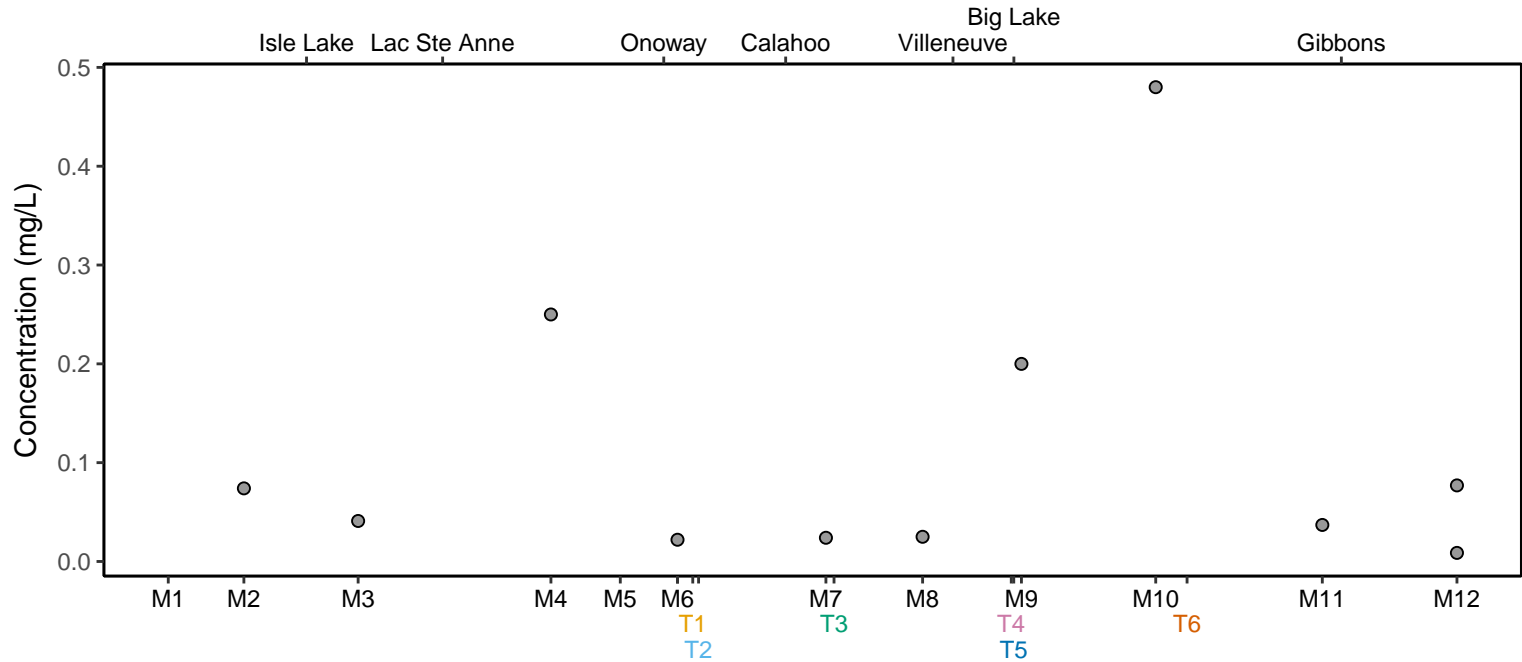
Dissolved Organic Carbon (C)

Winter Period (Nov–Mar)



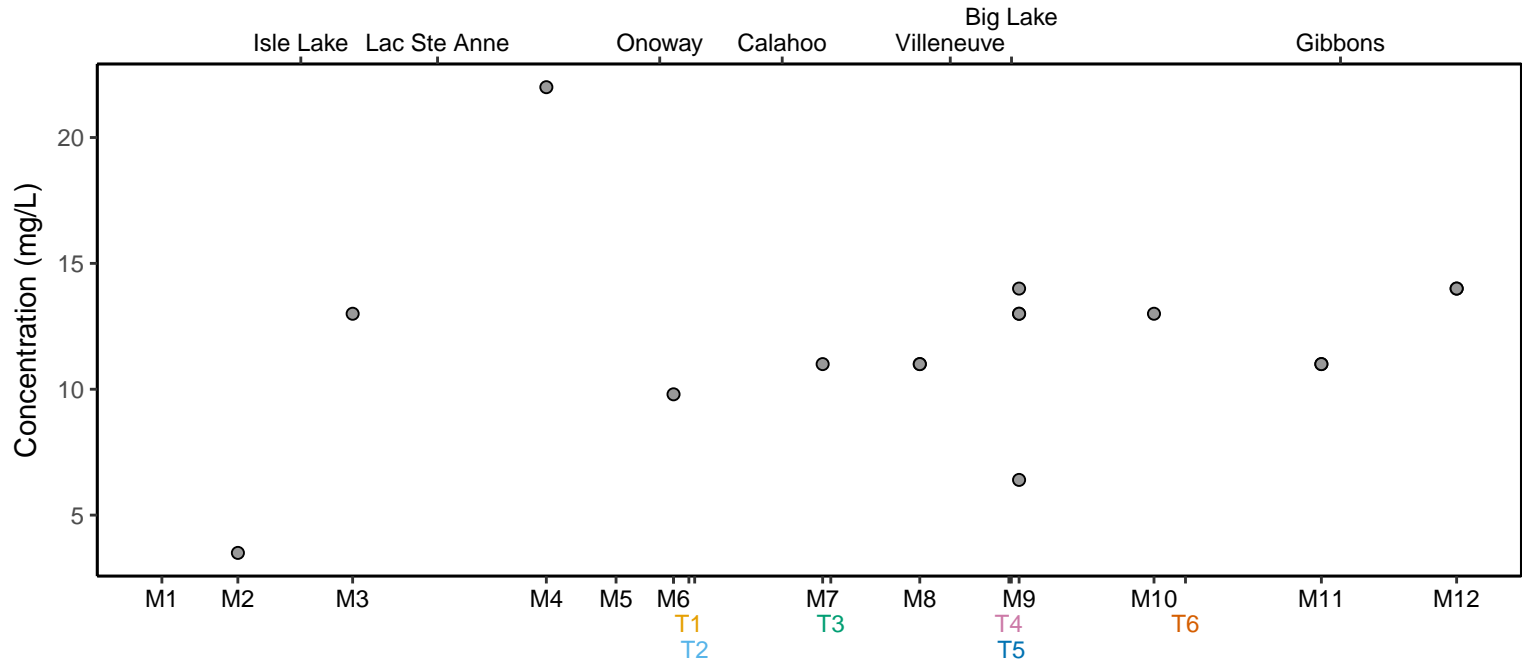
Dissolved Phosphorus (P)

Winter Period (Nov–Mar)



Dissolved Potassium (K)

Winter Period (Nov–Mar)



Dissolved Selenium (Se)

Winter Period (Nov–Mar)

Isle Lake

Lac Ste Anne

Onoway

Calahoo

Villeneuve

Big Lake

Gibbons

Concentration (mg/L)

0.002

0.001

M1

M2

M3

M4

M5

M6

T1

T2

T3

M7

T4

T5

M8

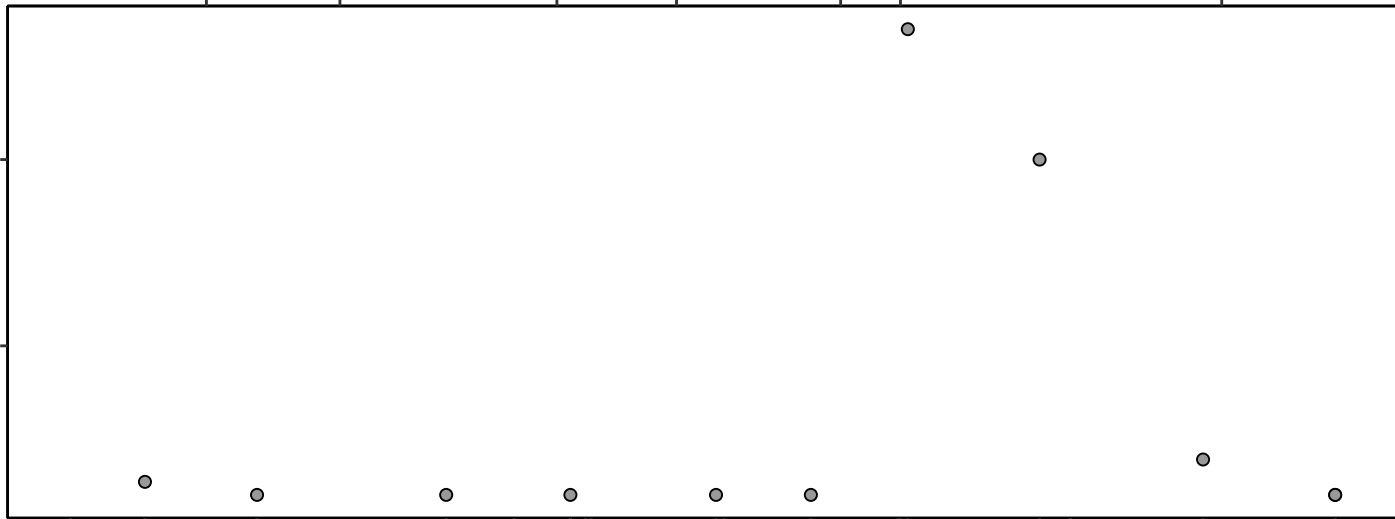
M9

T6

M10

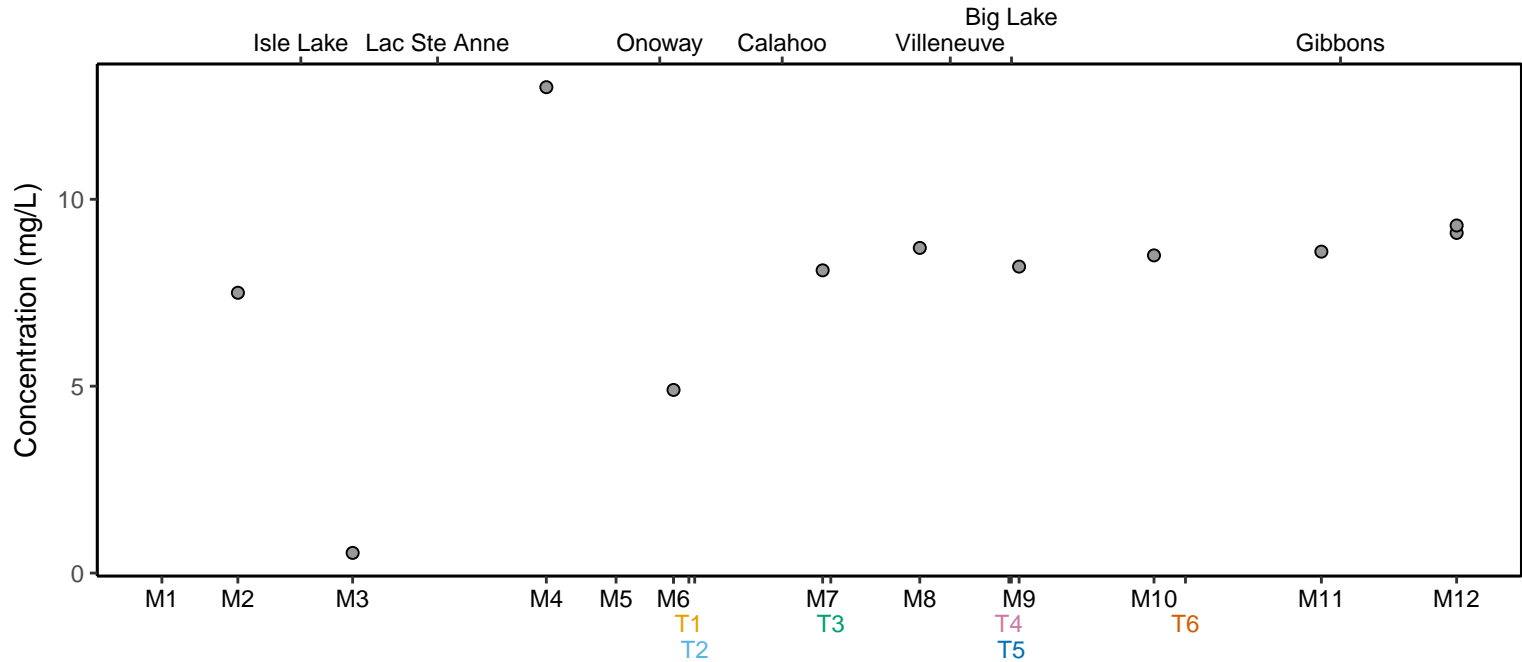
M11

M12



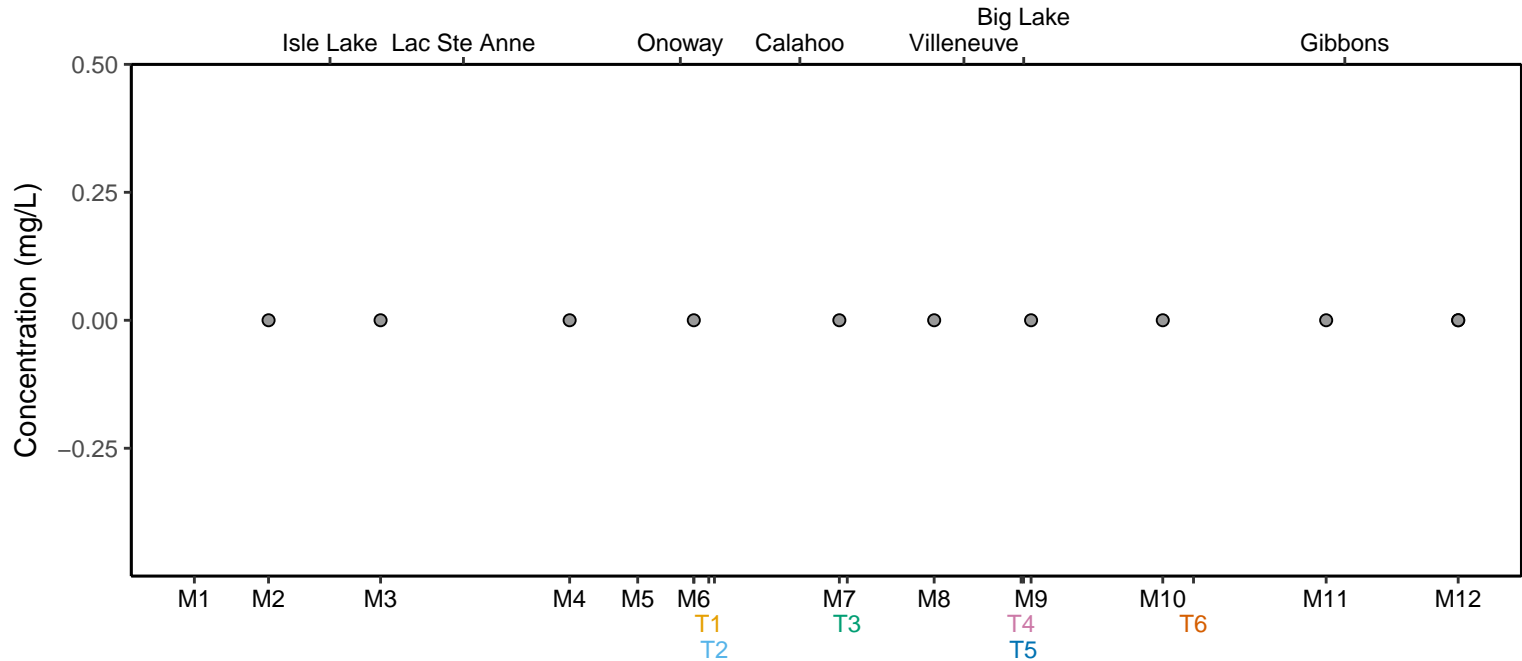
Dissolved Silicon (Si)

Winter Period (Nov–Mar)



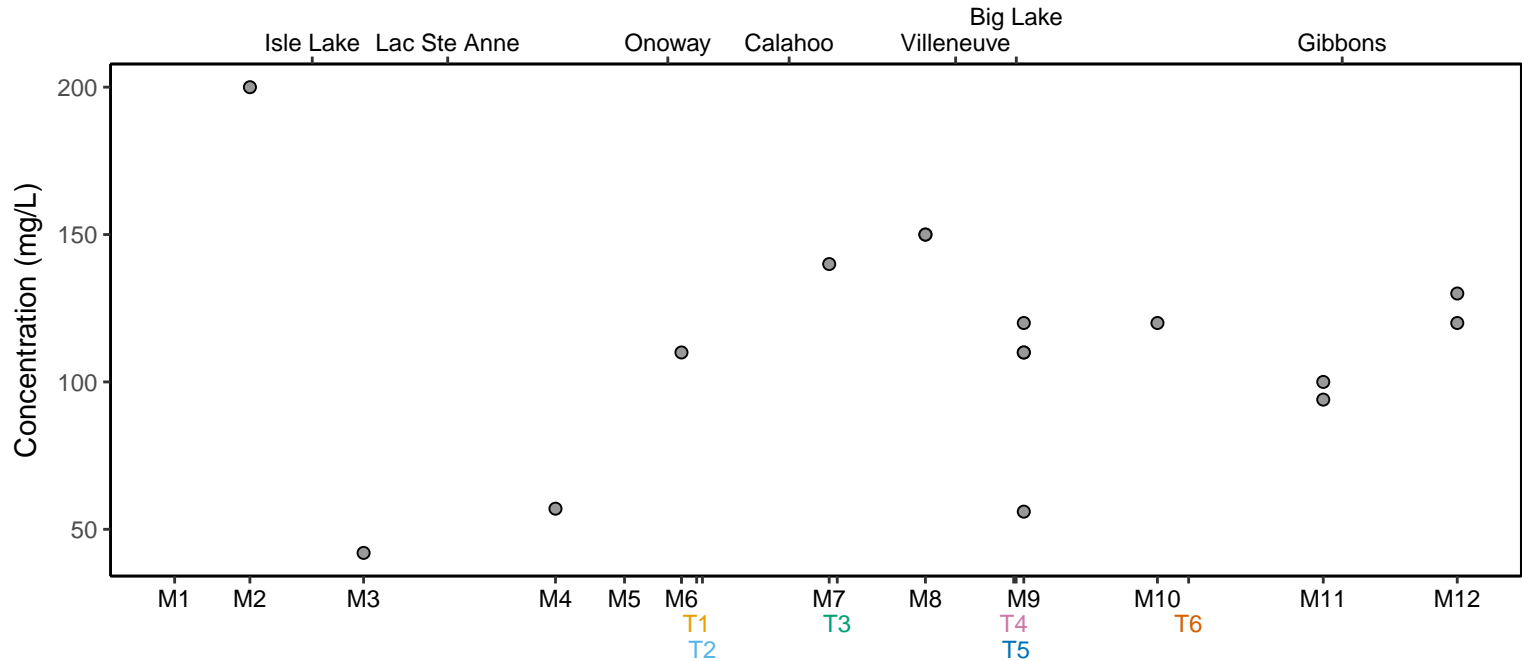
Dissolved Silver (Ag)

Winter Period (Nov–Mar)



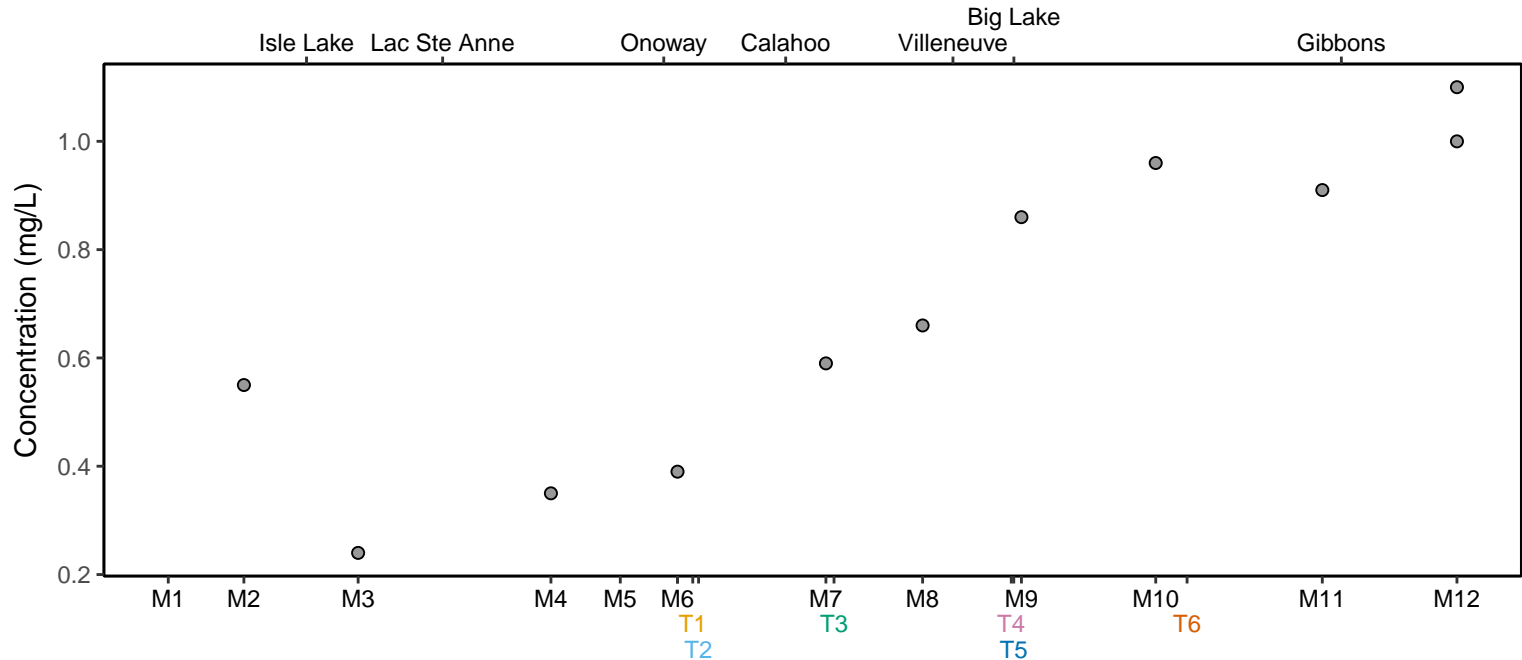
Dissolved Sodium (Na)

Winter Period (Nov–Mar)



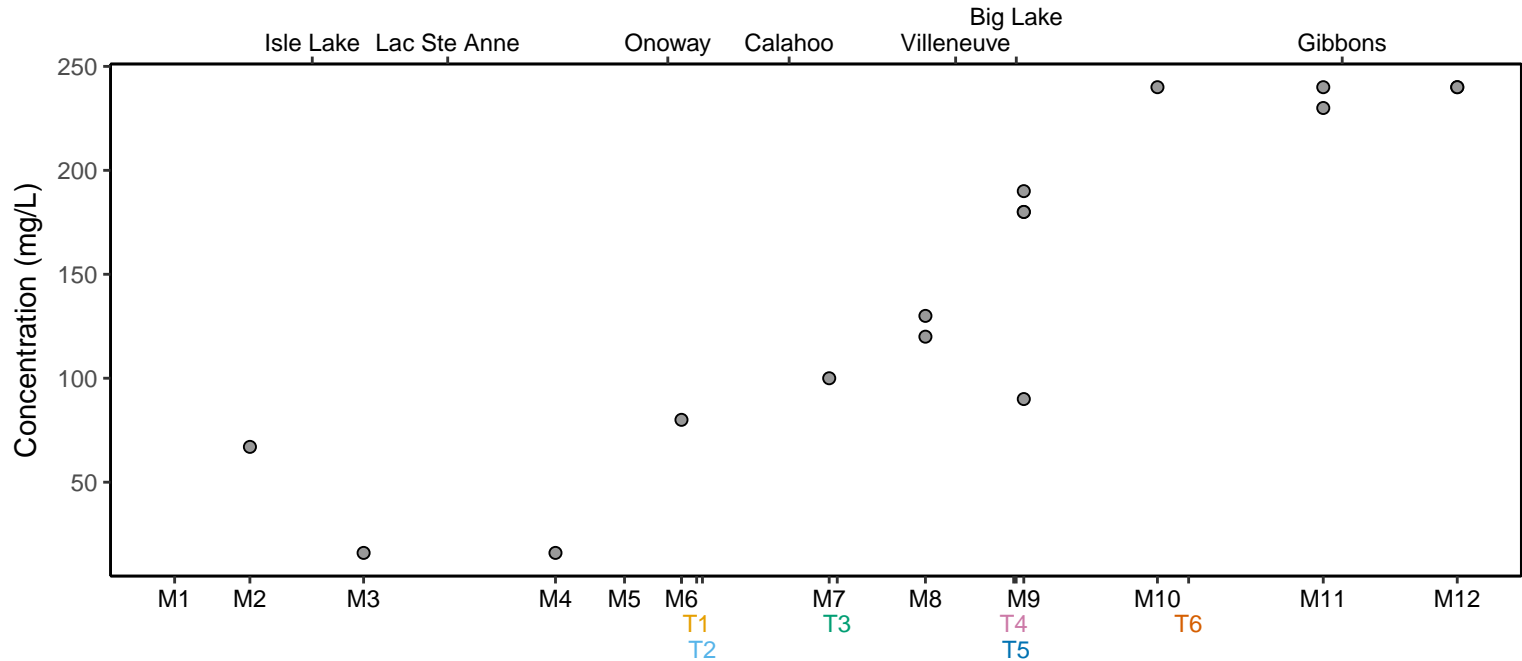
Dissolved Strontium (Sr)

Winter Period (Nov–Mar)



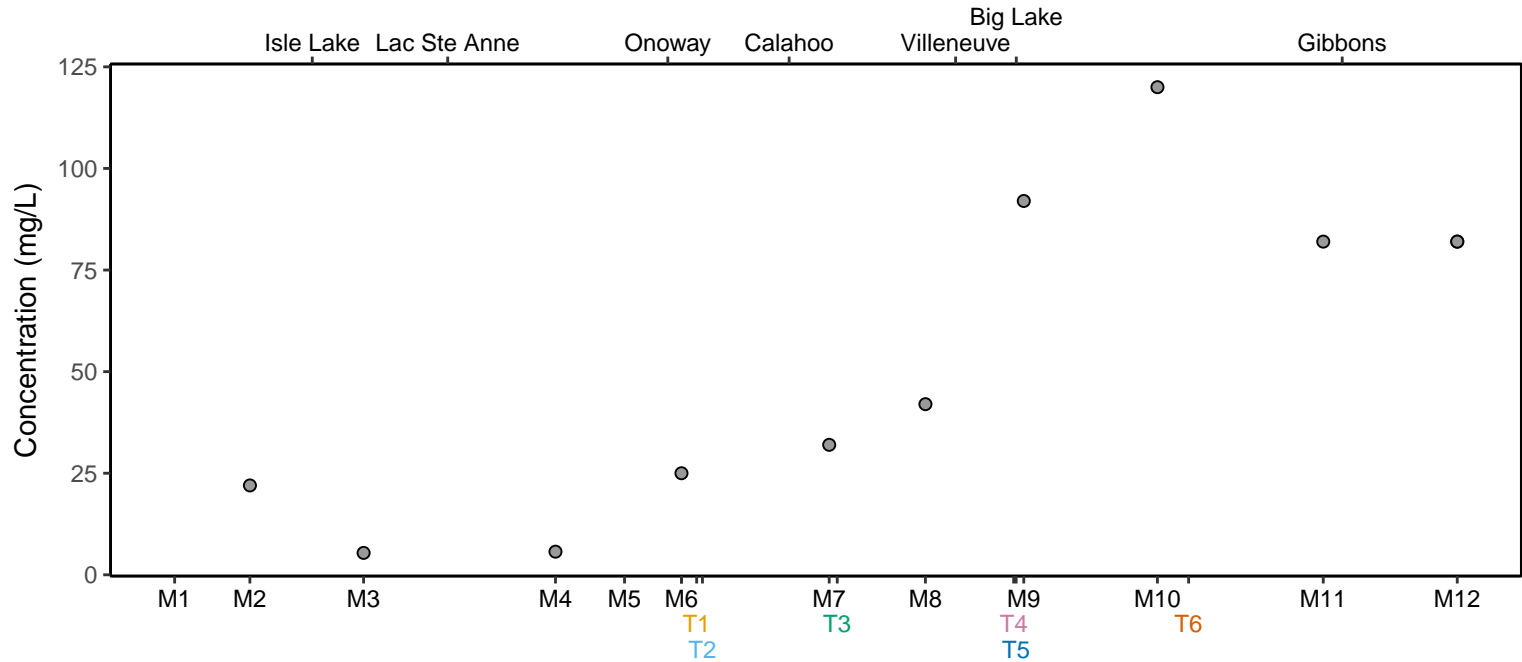
Dissolved Sulphate (SO₄)

Winter Period (Nov–Mar)



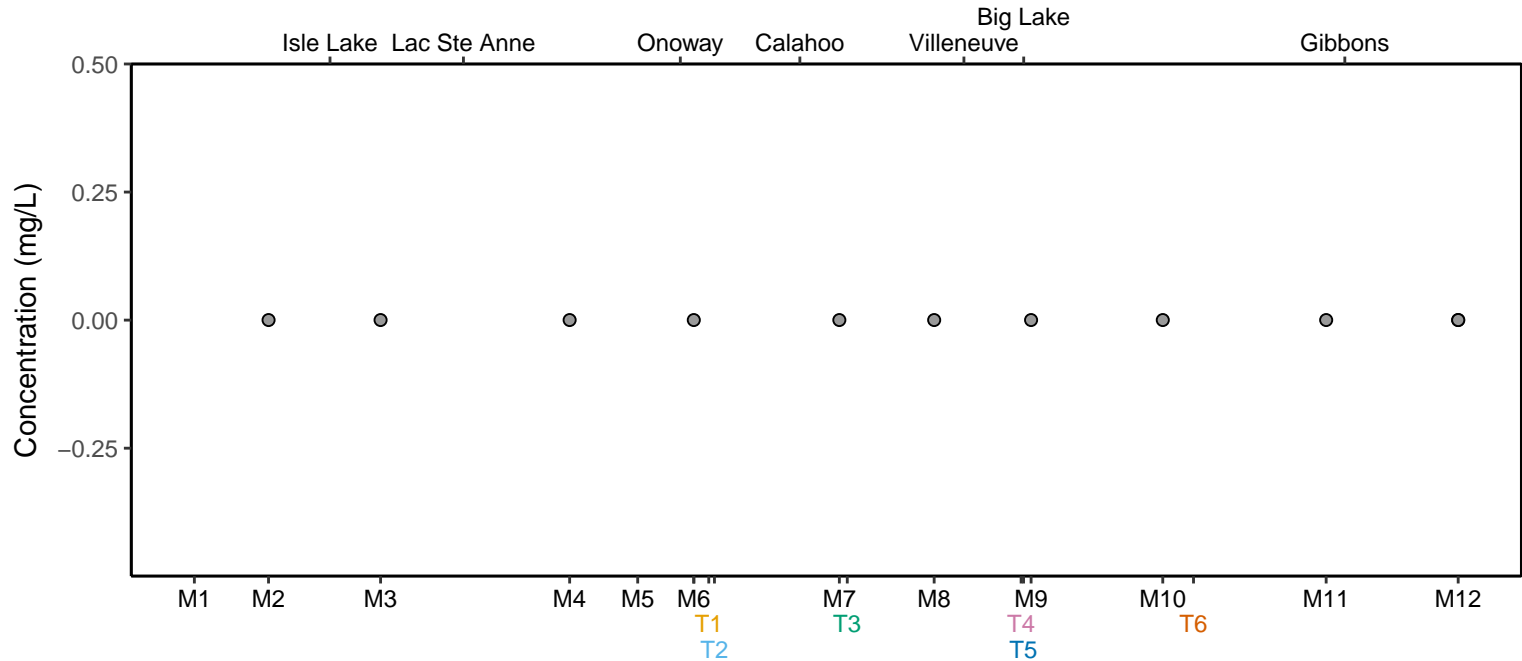
Dissolved Sulphur (S)

Winter Period (Nov–Mar)



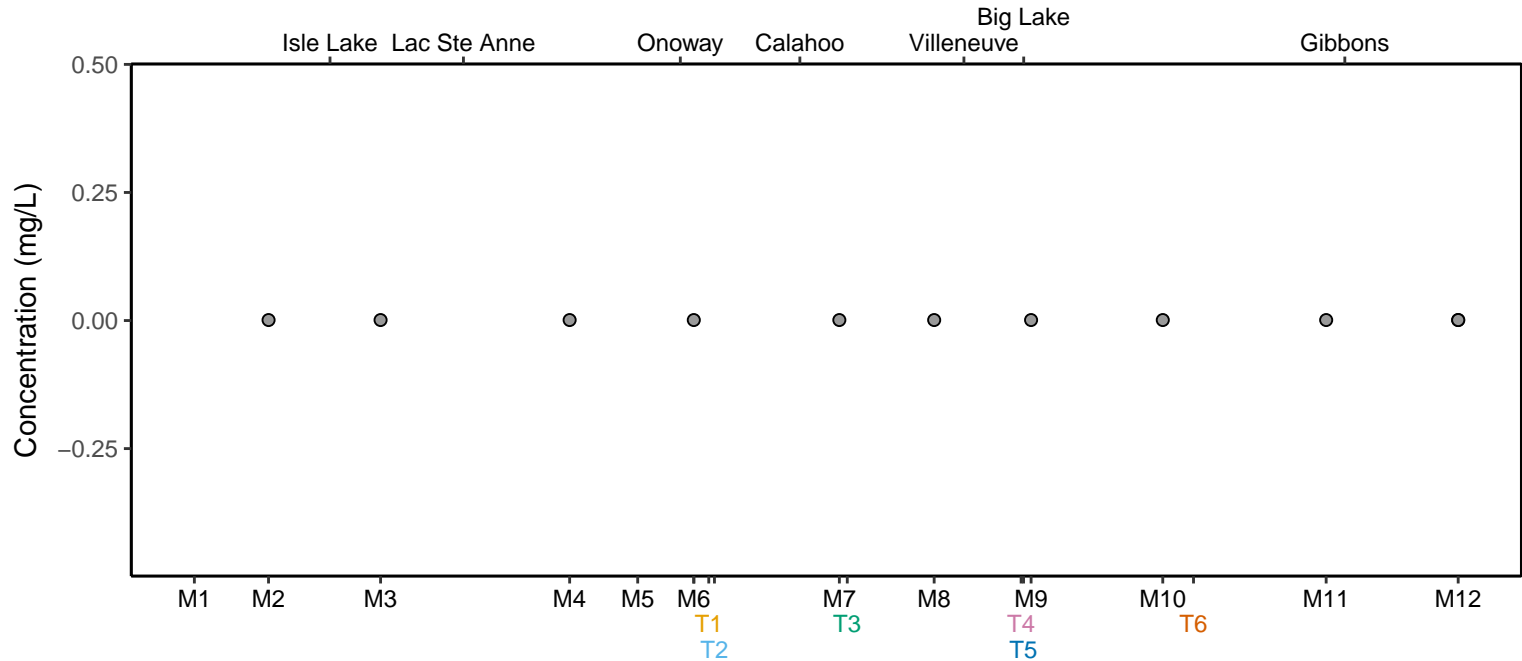
Dissolved Thallium (Tl)

Winter Period (Nov–Mar)



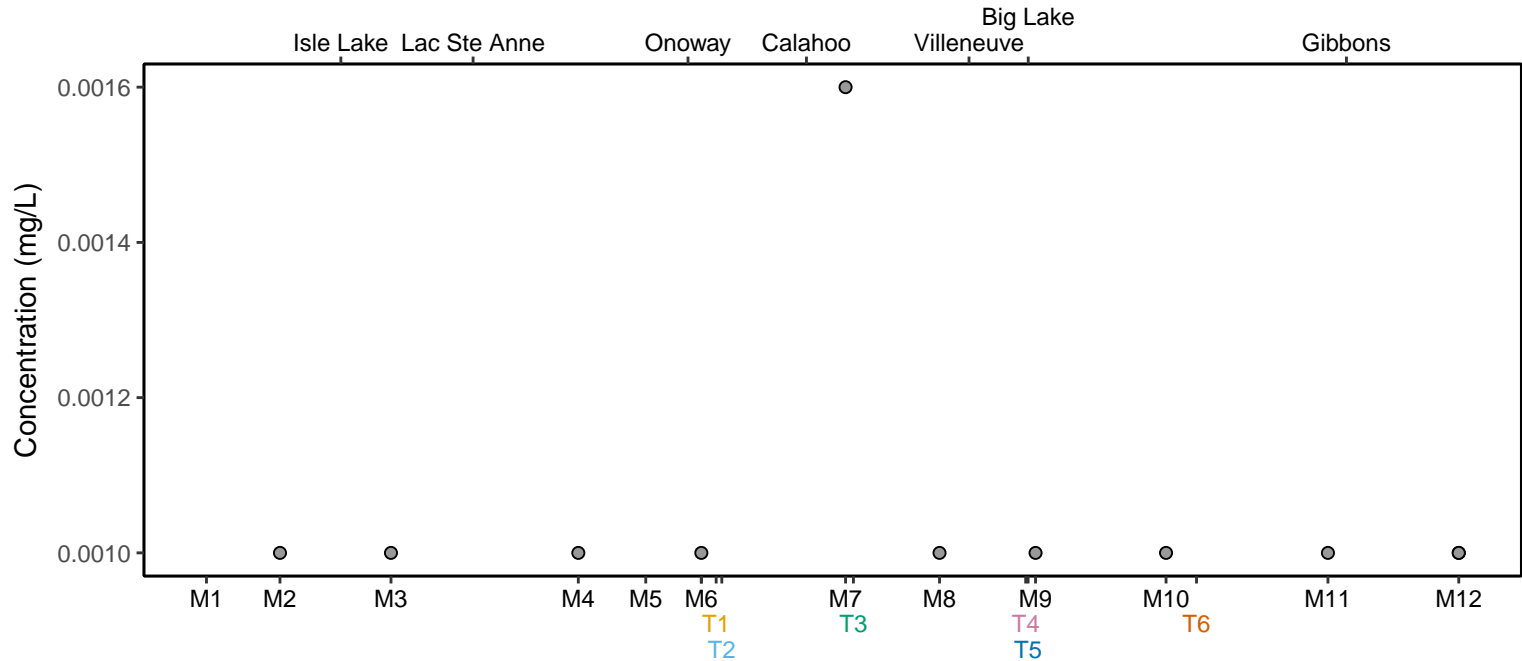
Dissolved Tin (Sn)

Winter Period (Nov–Mar)



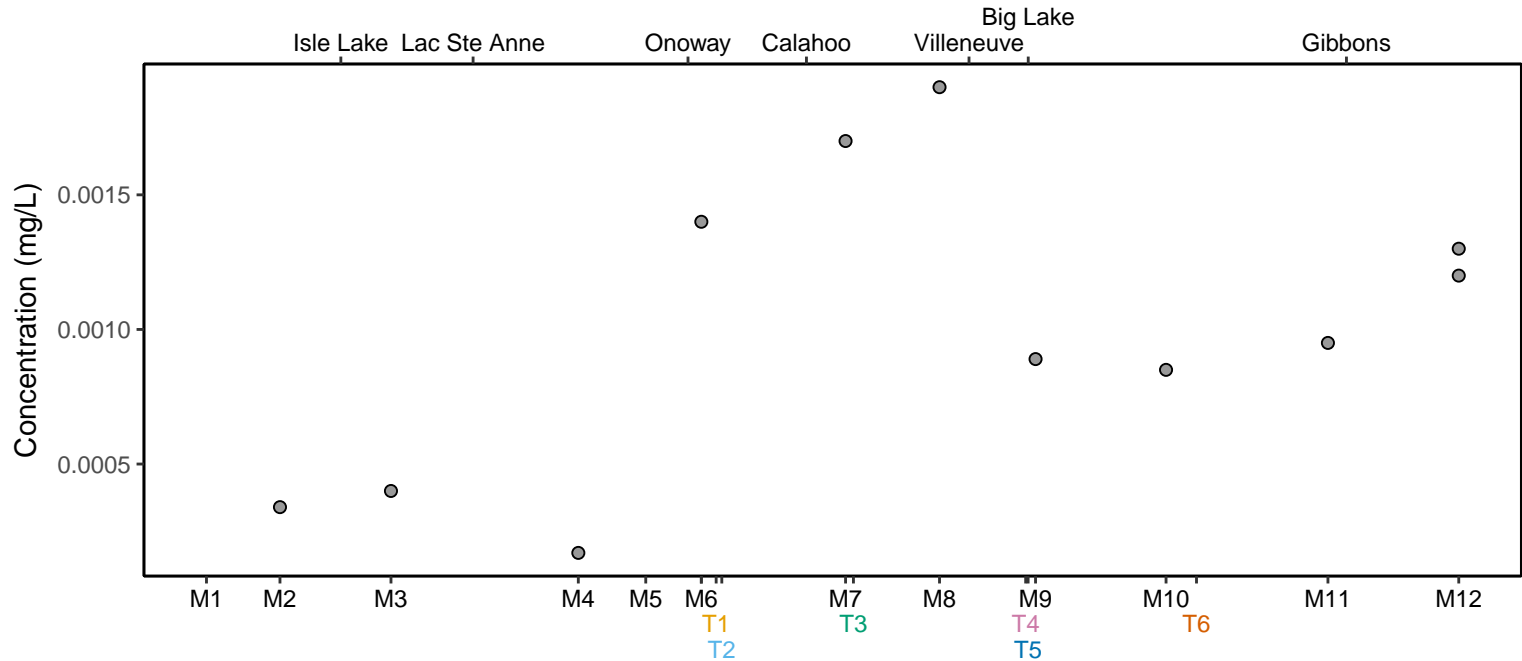
Dissolved Titanium (Ti)

Winter Period (Nov–Mar)



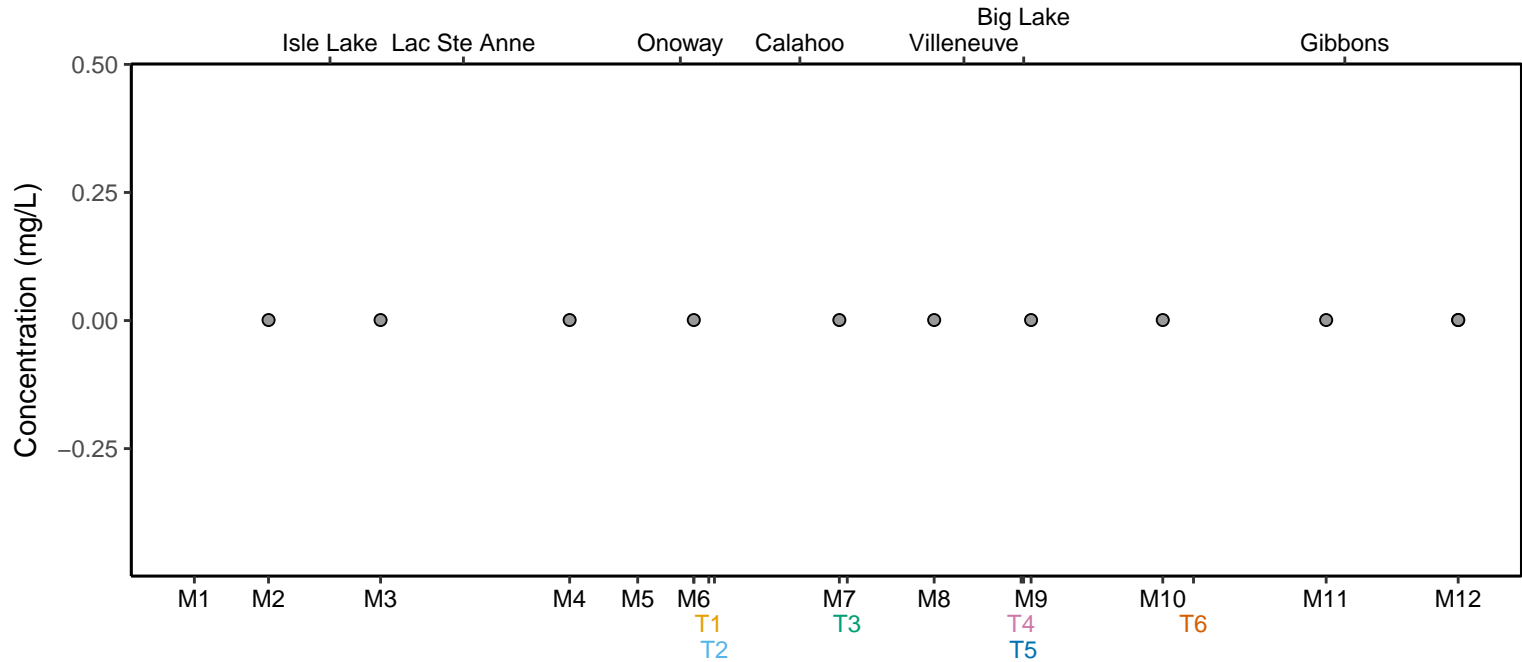
Dissolved Uranium (U)

Winter Period (Nov–Mar)



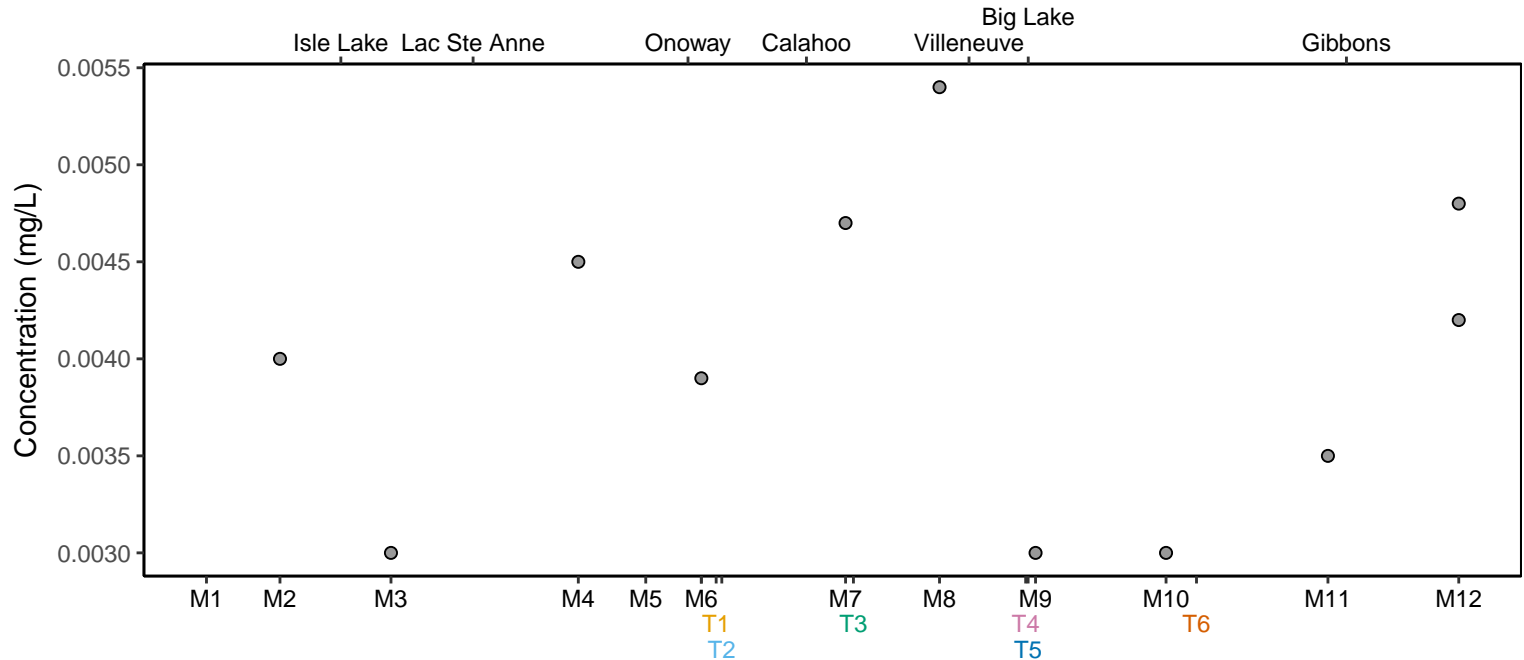
Dissolved Vanadium (V)

Winter Period (Nov–Mar)



Dissolved Zinc (Zn)

Winter Period (Nov–Mar)



Hardness (CaCO₃)

Winter Period (Nov–Mar)

Isle Lake

Lac Ste Anne

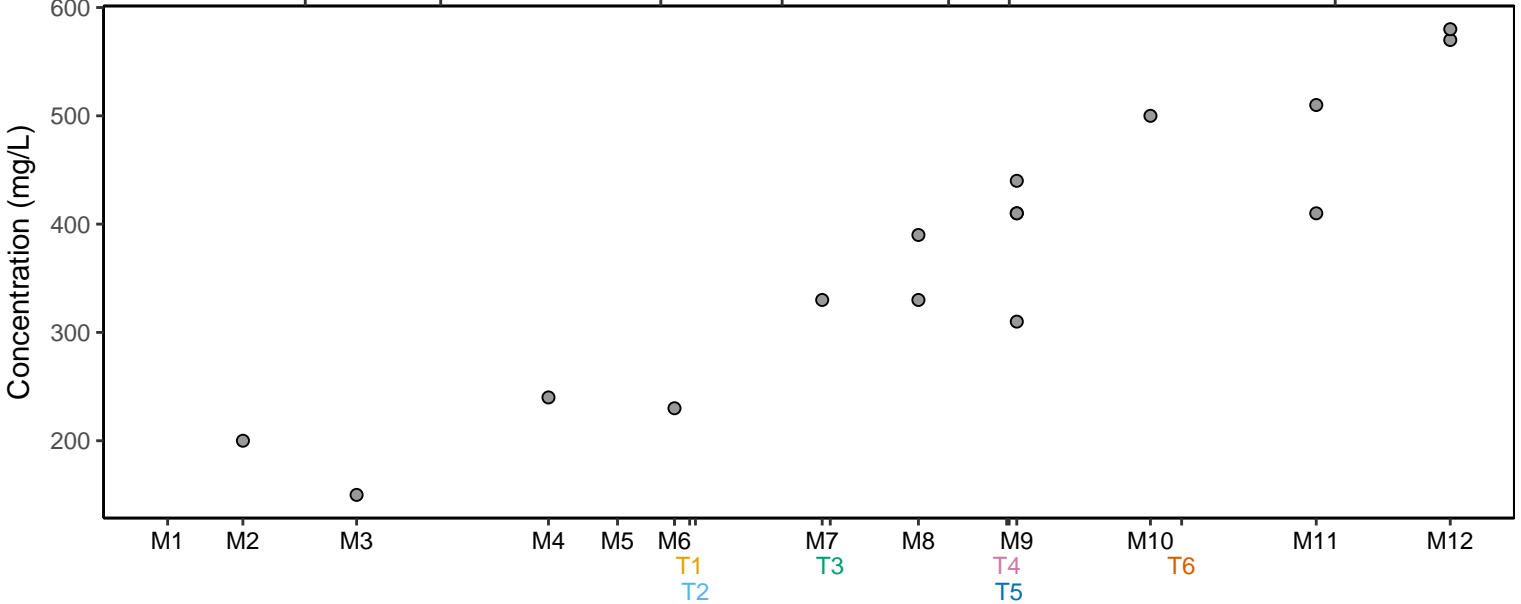
Onoway

Calahoo

Big Lake

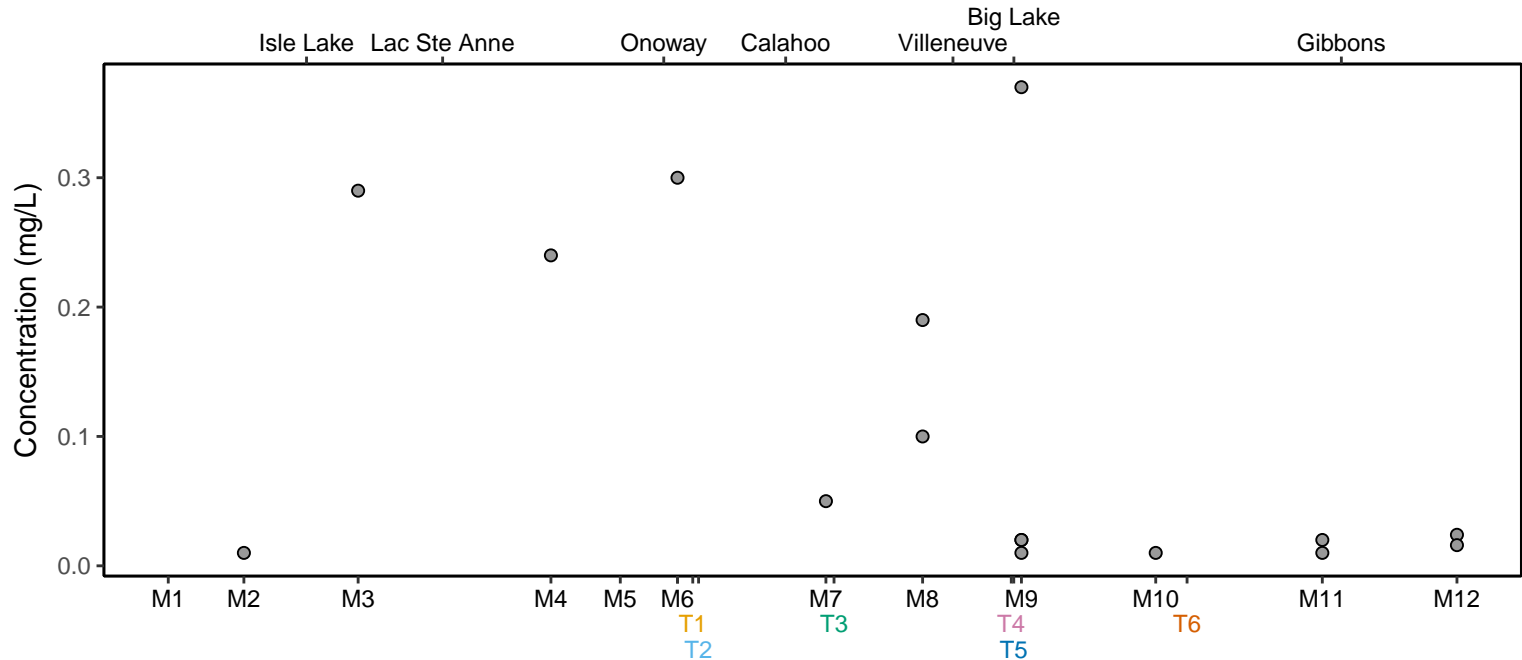
Villeneuve

Gibbons



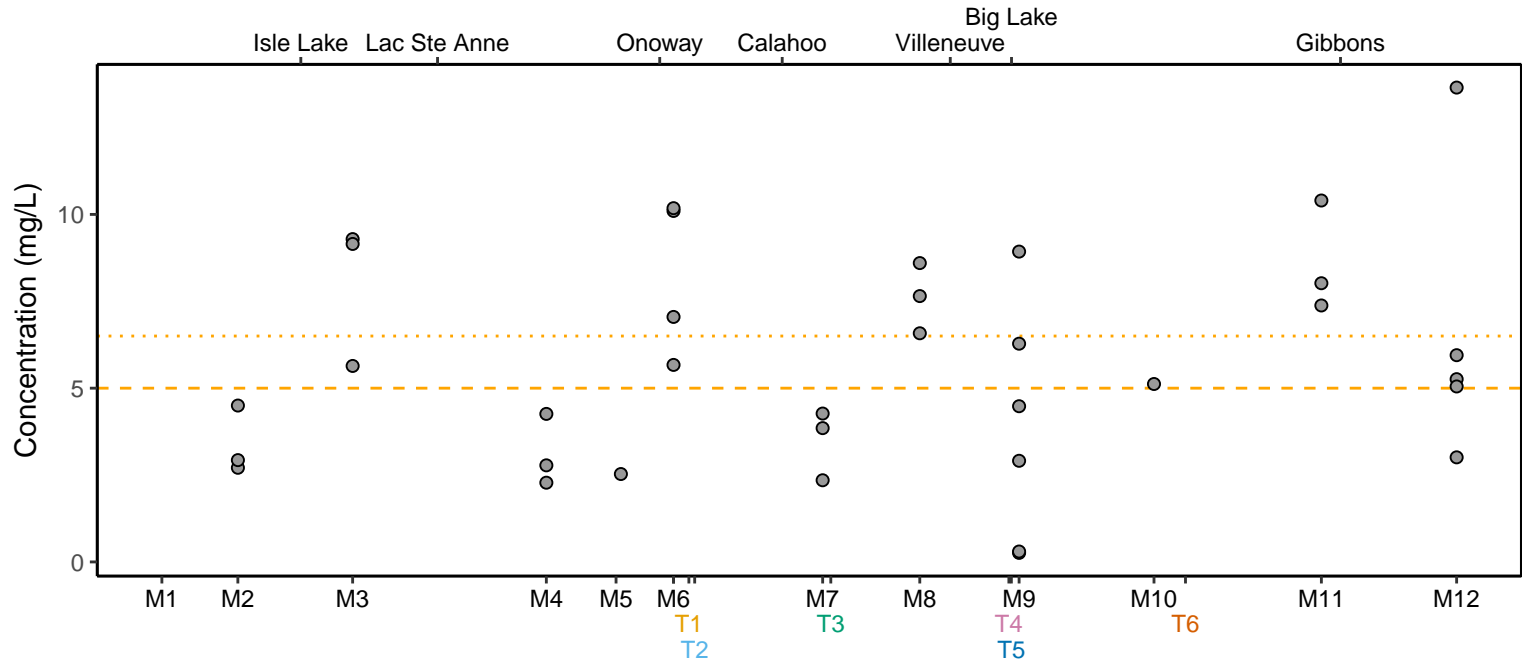
Nitrate plus Nitrite (N)

Winter Period (Nov–Mar)



Oxygen (field and lab)

Winter Period (Nov–Mar)



pH (field)

Winter Period (Nov–Mar)

Isle Lake

Lac Ste Anne

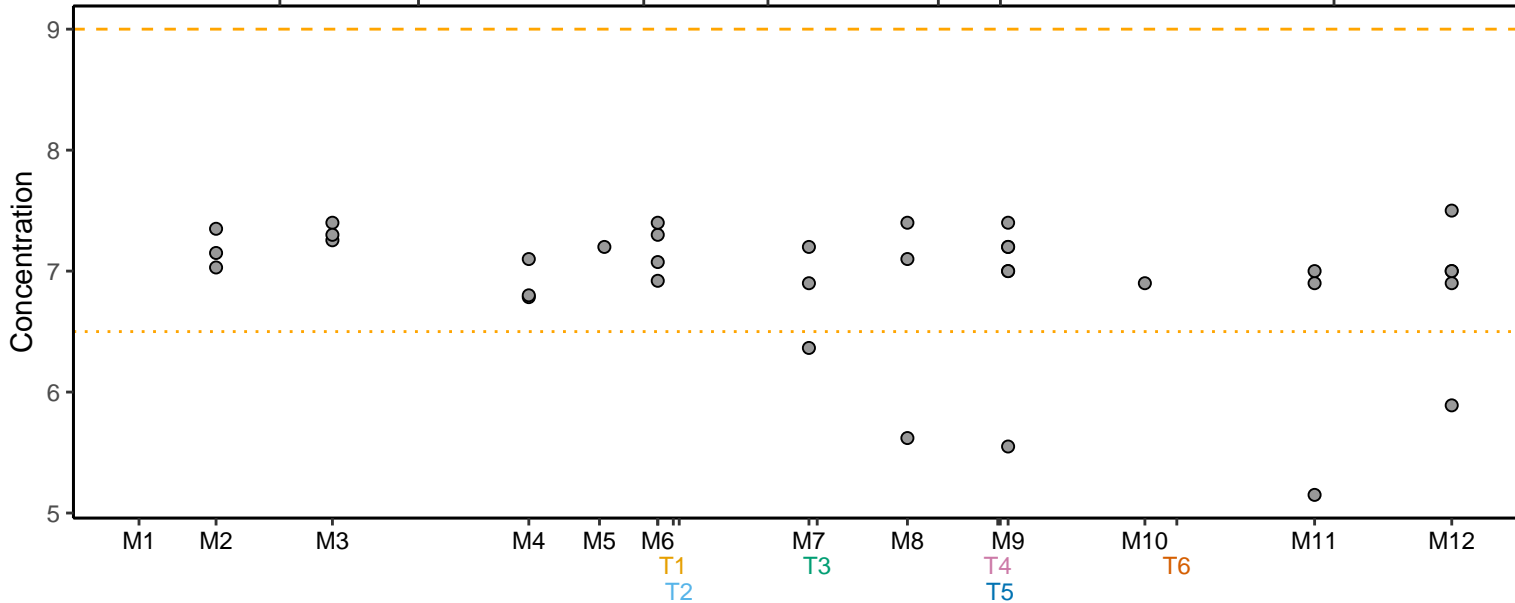
Onoway

Calahoo

Villeneuve

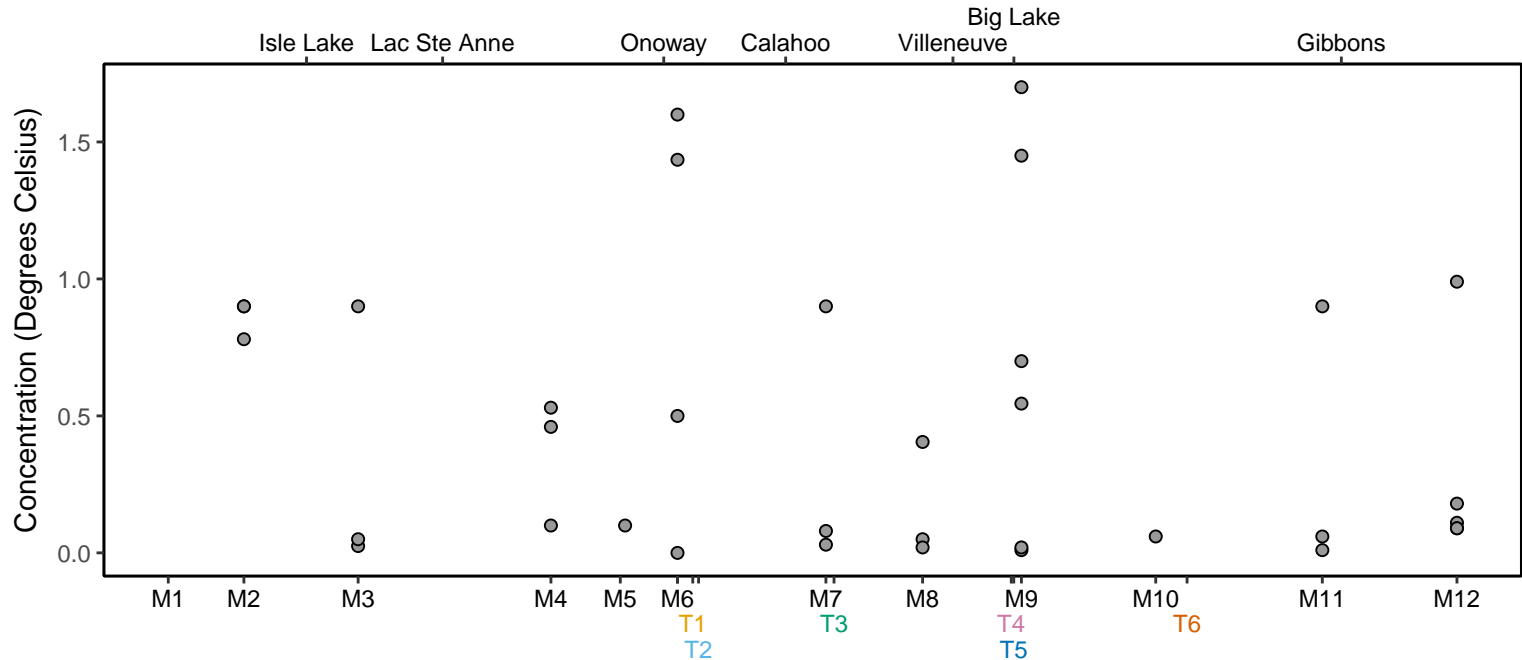
Big Lake

Gibbons



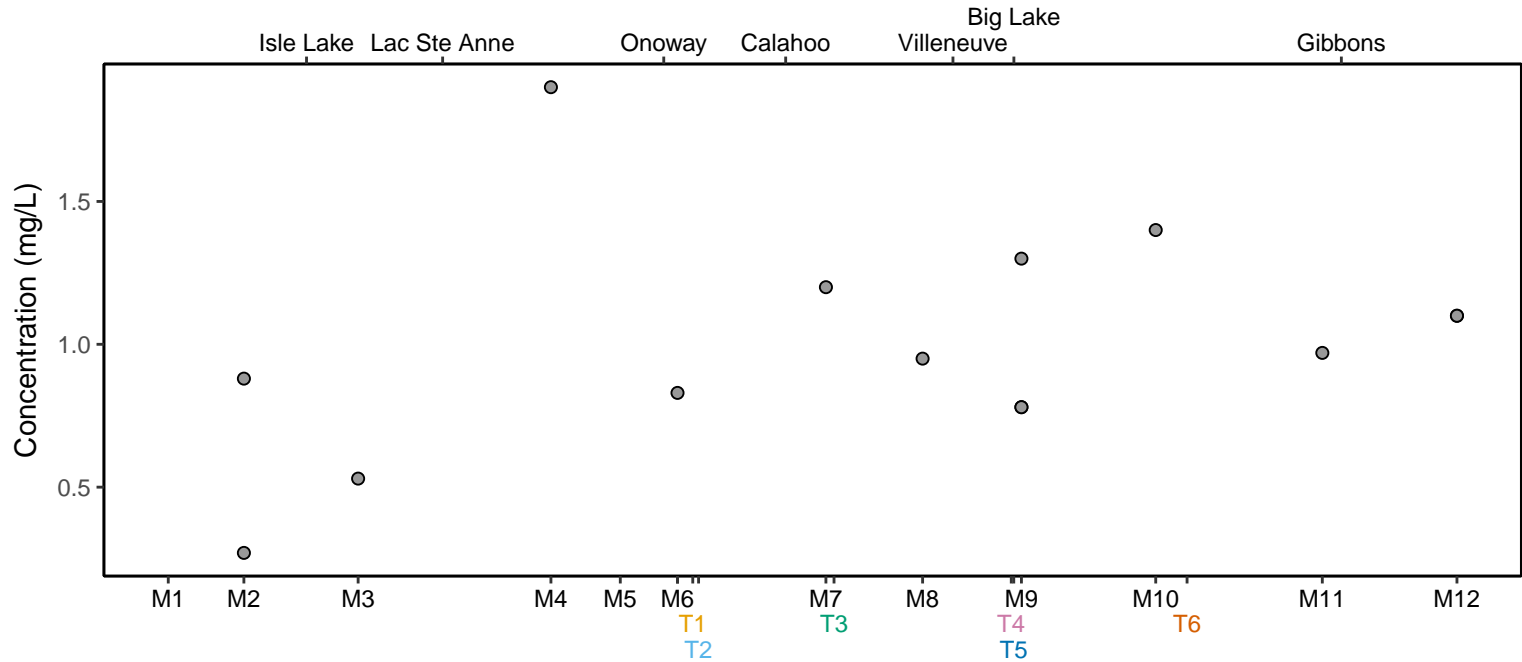
Temperature (field)

Winter Period (Nov–Mar)



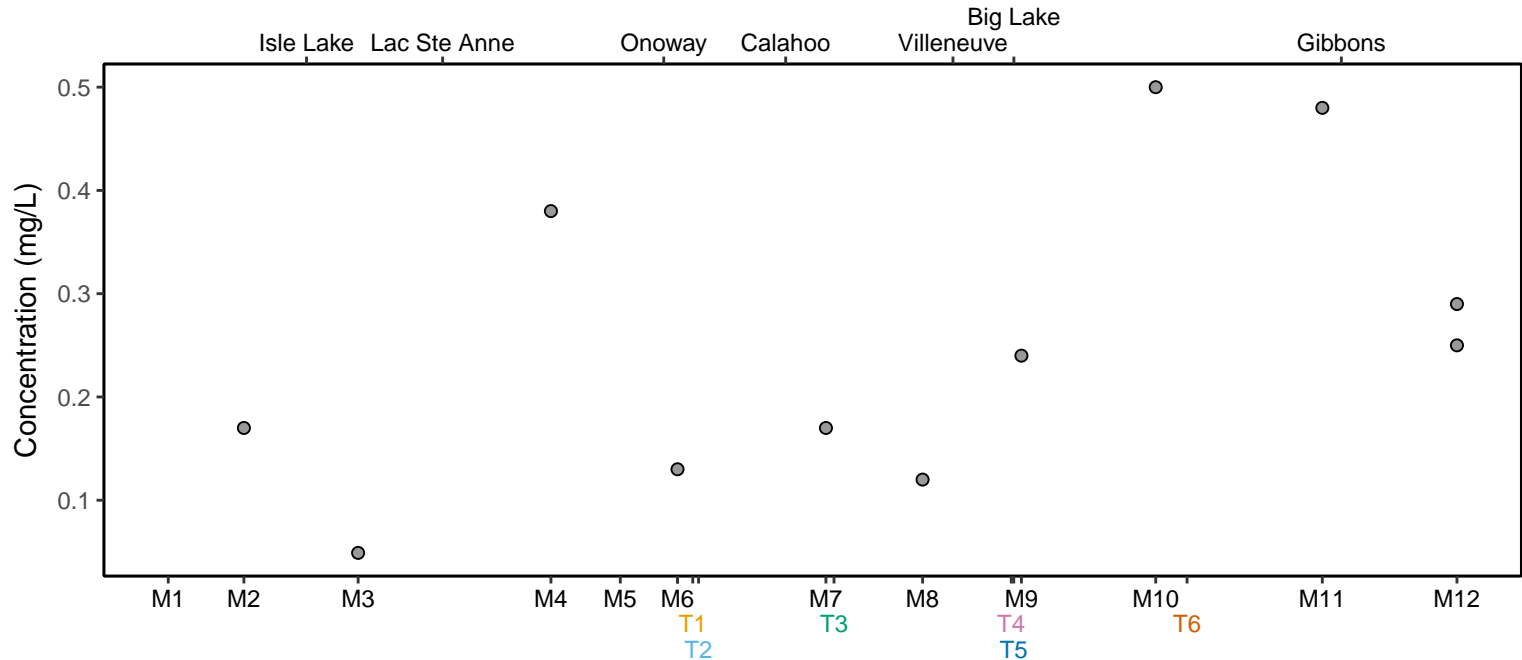
Total Ammonia (N)

Winter Period (Nov–Mar)



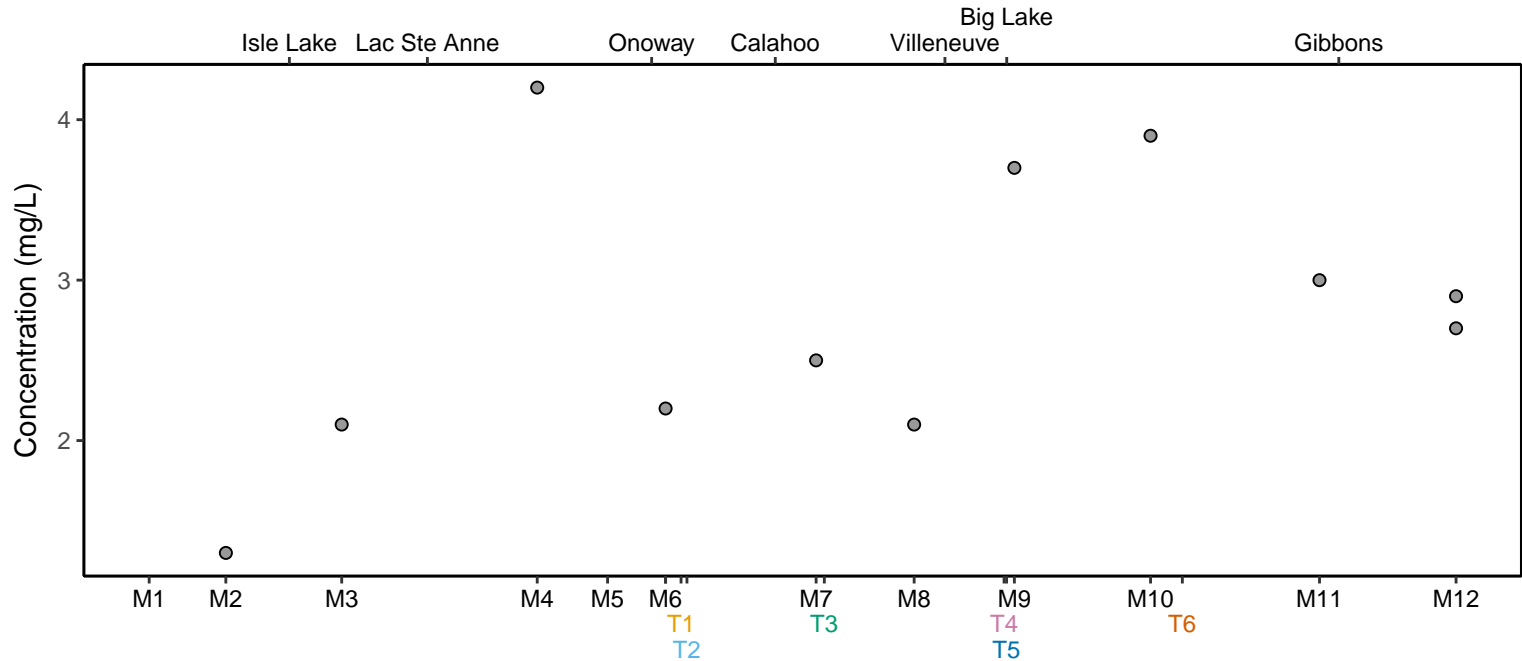
Total Phosphorus (P)

Winter Period (Nov–Mar)



Total Kjeldahl Nitrogen

Winter Period (Nov–Mar)



Water Depth

Winter Period (Nov–Mar)

