

Chlorophyll a Lakes Assessment Report

Includes Data From 2003 to 2012

Date Report Run: 03/20/2014

WBIC: 1545600

Official Name: Big Arbor Vitae Lake

Natural Community: Deep Lowland

WATERS ID: 128406

Local Name: Big Arbor Vitae Lake

Chl a Threshold (ug/L) REC: 12 ug/l

County: Vilas

Chl a Threshold (ug/L) FAL: 27 ug/l

Watershed: Upper Tomahawk River

| Station ID | Name | # Months | Mean (ug/L) | Min (ug/L) | Max (ug/L) | 90% CI Lower | 90% CI Upper | Earliest Month Used | Latest Month Used | Relation to Standard: REC | Relation to Standard: FAL |
|------------|----------------------------------|----------|-------------|------------|------------|--------------|--------------|---------------------|-------------------|------------------------------------|---|
| 643050 | Big Arbor Vitae Lake - Deep Hole | 2 | 5.560 | 2.220 | 8.900 | -4.721 | 15.841 | Jul 2011 | Sep 2011 | Insuf Data: Prelim Result-May Meet | Insuf Data: Prelim Result-Clearly Meets |

WBIC: 1538600

Official Name: Blue Lake

Natural Community: Two-Story

WATERS ID: 128048

Local Name:

Chl a Threshold (ug/L) REC: 6 ug/l

County: Oneida

Chl a Threshold (ug/L) FAL: 10 ug/l

Watershed: Upper Tomahawk River

| Station ID | Name | # Months | Mean (ug/L) | Min (ug/L) | Max (ug/L) | 90% CI Lower | 90% CI Upper | Earliest Month Used | Latest Month Used | Relation to Standard: REC | Relation to Standard: FAL |
|------------|------------------------|----------|-------------|------------|------------|--------------|--------------|---------------------|-------------------|---------------------------|---------------------------|
| 443060 | Blue Lake - West Basin | 9 | 1.261 | 0.580 | 1.850 | 1.097 | 1.425 | Jul 2008 | Aug 2012 | Clearly Meets | Clearly Meets |

WBIC: 1537800

Official Name: Booth Lake

Natural Community: Deep Headwater

WATERS ID: 128055

Local Name: Booth Lake

Chl a Threshold (ug/L) REC: 14 ug/l

County: Oneida

Chl a Threshold (ug/L) FAL: 27 ug/l

Watershed: Upper Tomahawk River

| Station ID | Name | # Months | Mean (ug/L) | Min (ug/L) | Max (ug/L) | 90% CI Lower | 90% CI Upper | Earliest Month Used | Latest Month Used | Relation to Standard: REC | Relation to Standard: FAL |
|------------|------------------------|----------|-------------|------------|------------|--------------|--------------|---------------------|-------------------|---|---|
| 443063 | Booth Lake - Deep Hole | 1 | 4.390 | 4.390 | 4.390 | | | Aug 2004 | Aug 2004 | Insuf Data: Only 1 value/StdDev = 0; cannot run stats | Insuf Data: Only 1 value/StdDev = 0; cannot run stats |

Chlorophyll a Lakes Assessment Report

Includes Data From 2003 to 2012

Date Report Run: 03/20/2014

WBIC: 983600

Official Name: Erickson Lake

Natural Community: Shallow Lowland

WATERS ID: 128467

Local Name:

Chl a Threshold (ug/L) REC: 25 ug/l

County: Vilas

Chl a Threshold (ug/L) FAL: 60 ug/l

Watershed: Upper Tomahawk River

| Station ID | Name | # Months | Mean (ug/L) | Min (ug/L) | Max (ug/L) | 90% CI Lower | 90% CI Upper | Earliest Month Used | Latest Month Used | Relation to Standard: REC | Relation to Standard: FAL |
|------------|---------------------------|----------|-------------|------------|------------|--------------|--------------|---------------------|-------------------|---|---|
| 643062 | Erickson Lake - Deep Hole | 1 | 4.990 | 4.990 | 4.990 | | | Aug 2003 | Aug 2003 | Insuf Data: Only 1 value/StdDev = 0; cannot run stats | Insuf Data: Only 1 value/StdDev = 0; cannot run stats |

WBIC: 986000

Official Name: Franklin Lake

Natural Community: Deep Seepage

WATERS ID: 128117

Local Name: Franklin Lake

Chl a Threshold (ug/L) REC: 10 ug/l

County: Oneida

Chl a Threshold (ug/L) FAL: 27 ug/l

Watershed: Upper Tomahawk River

| Station ID | Name | # Months | Mean (ug/L) | Min (ug/L) | Max (ug/L) | 90% CI Lower | 90% CI Upper | Earliest Month Used | Latest Month Used | Relation to Standard: REC | Relation to Standard: FAL |
|------------|---------------------------|----------|-------------|------------|------------|--------------|--------------|---------------------|-------------------|---------------------------|---------------------------|
| 443100 | Franklin Lake - Deep Hole | 8 | 2.724 | 0.800 | 3.660 | 2.263 | 3.185 | Jul 2009 | Sep 2011 | Clearly Meets | Clearly Meets |

WBIC: 1539700

Official Name: Gunlock Lake

Natural Community: Shallow Headwater

WATERS ID: 128484

Local Name:

Chl a Threshold (ug/L) REC: 25 ug/l

County: Vilas

Chl a Threshold (ug/L) FAL: 60 ug/l

Watershed: Upper Tomahawk River

| Station ID | Name | # Months | Mean (ug/L) | Min (ug/L) | Max (ug/L) | 90% CI Lower | 90% CI Upper | Earliest Month Used | Latest Month Used | Relation to Standard: REC | Relation to Standard: FAL |
|------------|--|----------|-------------|------------|------------|--------------|--------------|---------------------|-------------------|---------------------------|---------------------------|
| 643066 | Gunlock Lake - Deep Hole -Site 1 - N End | 6 | 10.650 | 3.420 | 19.400 | 7.198 | 14.102 | Jul 2009 | Aug 2012 | May Meet | Clearly Meets |

Chlorophyll a Lakes Assessment Report

Includes Data From 2003 to 2012

Date Report Run: 03/20/2014

WBIC: 1541100

Official Name: Johnson Lake

Natural Community: Two-Story

WATERS ID: 128500

Local Name:

Chl a Threshold (ug/L) REC: 6 ug/l

County: Oneida,Vilas

Chl a Threshold (ug/L) FAL: 10 ug/l

Watershed: Upper Tomahawk River

| Station ID | Name | # Months | Mean (ug/L) | Min (ug/L) | Max (ug/L) | 90% CI Lower | 90% CI Upper | Earliest Month Used | Latest Month Used | Relation to Standard: REC | Relation to Standard: FAL |
|------------|--------------------------|----------|-------------|------------|------------|--------------|--------------|---------------------|-------------------|---------------------------|---------------------------|
| 643132 | Johnson Lake - Deep Hole | 6 | 3.670 | 2.000 | 5.660 | 2.781 | 4.559 | Jul 2005 | Sep 2007 | Clearly Meets | Clearly Meets |

WBIC: 1543300

Official Name: Katherine Lake

Natural Community: Shallow Seepage

WATERS ID: 128809

Local Name:

Chl a Threshold (ug/L) REC: 17 ug/l

County: Oneida

Chl a Threshold (ug/L) FAL: 60 ug/l

Watershed: Upper Tomahawk River

| Station ID | Name | # Months | Mean (ug/L) | Min (ug/L) | Max (ug/L) | 90% CI Lower | 90% CI Upper | Earliest Month Used | Latest Month Used | Relation to Standard: REC | Relation to Standard: FAL |
|------------|----------------------------|----------|-------------|------------|------------|--------------|--------------|---------------------|-------------------|---|---|
| 443128 | Katherine Lake - Deep Hole | 1 | 6.780 | 6.780 | 6.780 | | | Aug 2012 | Aug 2012 | Insuf Data: Only 1 value/StdDev = 0; cannot run stats | Insuf Data: Only 1 value/StdDev = 0; cannot run stats |

WBIC: 1542300

Official Name: Kawaguesaga Lake

Natural Community: Two-Story

WATERS ID: 128163

Local Name:

Chl a Threshold (ug/L) REC: 6 ug/l

County: Oneida

Chl a Threshold (ug/L) FAL: 10 ug/l

Watershed: Upper Tomahawk River

| Station ID | Name | # Months | Mean (ug/L) | Min (ug/L) | Max (ug/L) | 90% CI Lower | 90% CI Upper | Earliest Month Used | Latest Month Used | Relation to Standard: REC | Relation to Standard: FAL |
|------------|------------------------------|----------|-------------|------------|------------|--------------|--------------|---------------------|-------------------|---------------------------|---------------------------|
| 443129 | Kawaguesaga Lake - Deep Hole | 7 | 8.216 | 3.020 | 15.500 | 6.162 | 10.271 | Jul 2003 | Aug 2012 | May Meet | May Meet |

Chlorophyll a Lakes Assessment Report

Includes Data From 2003 to 2012

Date Report Run: 03/20/2014

WBIC: 997400

Official Name: Lee Lake

Natural Community: Two-Story

WATERS ID: 128176

Local Name:

Chl a Threshold (ug/L) REC: 6 ug/l

County: Oneida

Chl a Threshold (ug/L) FAL: 10 ug/l

Watershed: Upper Tomahawk River

| Station ID | Name | # Months | Mean (ug/L) | Min (ug/L) | Max (ug/L) | 90% CI Lower | 90% CI Upper | Earliest Month Used | Latest Month Used | Relation to Standard: REC | Relation to Standard: FAL |
|------------|----------------------|----------|-------------|------------|------------|--------------|--------------|---------------------|-------------------|---------------------------|---------------------------|
| 443332 | Lee Lake - Deep Hole | 10 | 1.565 | 1.050 | 2.230 | 1.385 | 1.745 | Jul 2008 | Aug 2012 | Clearly Meets | Clearly Meets |

WBIC: 1545300

Official Name: Little Arbor Vitae Lake

Natural Community: Deep Lowland

WATERS ID: 128524

Local Name:

Chl a Threshold (ug/L) REC: 12 ug/l

County: Vilas

Chl a Threshold (ug/L) FAL: 27 ug/l

Watershed: Upper Tomahawk River

| Station ID | Name | # Months | Mean (ug/L) | Min (ug/L) | Max (ug/L) | 90% CI Lower | 90% CI Upper | Earliest Month Used | Latest Month Used | Relation to Standard: REC | Relation to Standard: FAL |
|------------|-------------------------------------|----------|-------------|------------|------------|--------------|--------------|---------------------|-------------------|---|--------------------------------------|
| 643074 | Little Arbor Vitae Lake - Deep Hole | 2 | 31.550 | 19.800 | 43.300 | -4.616 | 67.716 | Jul 2010 | Aug 2010 | Insuf Data: Prelim Result-Clearly Exceeds | Insuf Data: Prelim Result-May Exceed |

WBIC: 1540400

Official Name: Little Spider Lake

Natural Community: Shallow Seepage

WATERS ID: 128777

Local Name:

Chl a Threshold (ug/L) REC: 17 ug/l

County: Vilas

Chl a Threshold (ug/L) FAL: 60 ug/l

Watershed: Upper Tomahawk River

| Station ID | Name | # Months | Mean (ug/L) | Min (ug/L) | Max (ug/L) | 90% CI Lower | 90% CI Upper | Earliest Month Used | Latest Month Used | Relation to Standard: REC | Relation to Standard: FAL |
|------------|--------------------------------|----------|-------------|------------|------------|--------------|--------------|---------------------|-------------------|---------------------------|---------------------------|
| 643077 | Little Spider Lake - Deep Hole | 9 | 6.132 | 0.530 | 13.200 | 4.188 | 8.076 | Jul 2008 | Sep 2012 | Clearly Meets | Clearly Meets |

Chlorophyll a Lakes Assessment Report

Includes Data From 2003 to 2012

Date Report Run: 03/20/2014

WBIC: 1543900

Official Name: Little Tomahawk Lake

Natural Community: Two-Story

WATERS ID: 128186

Local Name:

Chl a Threshold (ug/L) REC: 6 ug/l

County: Oneida

Chl a Threshold (ug/L) FAL: 10 ug/l

Watershed: Upper Tomahawk River

| Station ID | Name | # Months | Mean (ug/L) | Min (ug/L) | Max (ug/L) | 90% CI Lower | 90% CI Upper | Earliest Month Used | Latest Month Used | Relation to Standard: REC | Relation to Standard: FAL |
|------------|------------------------------------|----------|-------------|------------|------------|--------------|--------------|---------------------|-------------------|---|---|
| 443133 | Little Tomahawk Lake 3 - Max Depth | | 1.210 | 1.170 | 1.240 | 1.171 | 1.249 | Jul 2010 | Jul 2011 | Insuf Data: Prelim Result-Clearly Meets | Insuf Data: Prelim Result-Clearly Meets |

WBIC: 1542600

Official Name: Mid Lake

Natural Community: Shallow Lowland

WATERS ID: 128220

Local Name:

Chl a Threshold (ug/L) REC: 25 ug/l

County: Oneida

Chl a Threshold (ug/L) FAL: 60 ug/l

Watershed: Upper Tomahawk River

| Station ID | Name | # Months | Mean (ug/L) | Min (ug/L) | Max (ug/L) | 90% CI Lower | 90% CI Upper | Earliest Month Used | Latest Month Used | Relation to Standard: REC | Relation to Standard: FAL |
|------------|----------------------|----------|-------------|------------|------------|--------------|--------------|---------------------|-------------------|---------------------------|---------------------------|
| 443469 | Mid Lake - Deep Hole | 10 | 10.776 | 5.220 | 22.000 | 8.093 | 13.459 | Aug 2008 | Aug 2012 | Clearly Meets | Clearly Meets |

WBIC: 1542400

Official Name: Minocqua Lake

Natural Community: Two-Story

WATERS ID: 128227

Local Name:

Chl a Threshold (ug/L) REC: 6 ug/l

County: Oneida

Chl a Threshold (ug/L) FAL: 10 ug/l

Watershed: Upper Tomahawk River

| Station ID | Name | # Months | Mean (ug/L) | Min (ug/L) | Max (ug/L) | 90% CI Lower | 90% CI Upper | Earliest Month Used | Latest Month Used | Relation to Standard: REC | Relation to Standard: FAL |
|------------|------------------------------|----------|-------------|------------|------------|--------------|--------------|---------------------|-------------------|---|---|
| 443134 | Minocqua Lake - Center Basin | 9 | 3.669 | 1.090 | 5.890 | 3.018 | 4.320 | Jul 2008 | Sep 2011 | Clearly Meets | Clearly Meets |
| 443226 | Minocqua Lake - Deep Hole | 1 | 5.210 | 5.210 | 5.210 | | | Aug 2010 | Aug 2010 | Insuf Data: Only 1 value/StdDev = 0; cannot run stats | Insuf Data: Only 1 value/StdDev = 0; cannot run stats |

Chlorophyll a Lakes Assessment Report

Includes Data From 2003 to 2012

Date Report Run: 03/20/2014

WBIC: 1544000

Official Name: Mud Lake

Natural Community: Reservoir (Deep Headwater)

WATERS ID: 128233

Local Name:

Chl a Threshold (ug/L) REC: 14 ug/l

County: Oneida

Chl a Threshold (ug/L) FAL: 27 ug/l

Watershed: Upper Tomahawk River

| Station ID | Name | # Months | Mean (ug/L) | Min (ug/L) | Max (ug/L) | 90% CI Lower | 90% CI Upper | Earliest Month Used | Latest Month Used | Relation to Standard: REC | Relation to Standard: FAL |
|------------|----------------------|----------|-------------|------------|------------|--------------|--------------|---------------------|-------------------|---|---|
| 10022233 | Mud Lake - Deep Hole | 1 | 1.260 | 1.260 | 1.260 | | | Sep 2007 | Sep 2007 | Insuf Data: Only 1 value/StdDev = 0; cannot run stats | Insuf Data: Only 1 value/StdDev = 0; cannot run stats |

WBIC: 1539600

Official Name: Shishebogama Lake

Natural Community: Deep Lowland

WATERS ID: 128284

Local Name:

Chl a Threshold (ug/L) REC: 12 ug/l

County: Oneida,Vilas

Chl a Threshold (ug/L) FAL: 27 ug/l

Watershed: Upper Tomahawk River

| Station ID | Name | # Months | Mean (ug/L) | Min (ug/L) | Max (ug/L) | 90% CI Lower | 90% CI Upper | Earliest Month Used | Latest Month Used | Relation to Standard: REC | Relation to Standard: FAL |
|------------|----------------------------------|----------|-------------|------------|------------|--------------|--------------|---------------------|-------------------|---------------------------|---------------------------|
| 643515 | Shishebogama Lake - 10 Deep Hole | 10 | 4.549 | 0.130 | 7.850 | 3.702 | 5.396 | Jul 2008 | Aug 2012 | Clearly Meets | Clearly Meets |

WBIC: 1541700

Official Name: Snake Lake

Natural Community: Deep Seepage

WATERS ID: 128888

Local Name:

Chl a Threshold (ug/L) REC: 10 ug/l

County: Oneida,Vilas

Chl a Threshold (ug/L) FAL: 27 ug/l

Watershed: Upper Tomahawk River

| Station ID | Name | # Months | Mean (ug/L) | Min (ug/L) | Max (ug/L) | 90% CI Lower | 90% CI Upper | Earliest Month Used | Latest Month Used | Relation to Standard: REC | Relation to Standard: FAL |
|------------|------------|----------|-------------|------------|------------|--------------|--------------|---------------------|-------------------|---|---|
| 10037618 | Snake Lake | 1 | 19.600 | 19.600 | 19.600 | | | Aug 2012 | Aug 2012 | Insuf Data: Only 1 value/StdDev = 0; cannot run stats | Insuf Data: Only 1 value/StdDev = 0; cannot run stats |

Chlorophyll a Lakes Assessment Report

Includes Data From 2003 to 2012

Date Report Run: 03/20/2014

WBIC: 1536300

Official Name: Squirrel Lake

Natural Community: Deep Lowland

WATERS ID: 128834

Local Name: Squirrel Lake

Chl a Threshold (ug/L) REC: 12 ug/l

County: Oneida, Vilas

Chl a Threshold (ug/L) FAL: 27 ug/l

Watershed: Upper Tomahawk River

| Station ID | Name | # Months | Mean (ug/L) | Min (ug/L) | Max (ug/L) | 90% CI Lower | 90% CI Upper | Earliest Month Used | Latest Month Used | Relation to Standard: REC | Relation to Standard: FAL |
|------------|---------------------------|----------|-------------|------------|------------|--------------|--------------|---------------------|-------------------|---|---|
| 443268 | Squirrel Lake - Deep Hole | 2 | 5.490 | 5.320 | 5.660 | 4.967 | 6.013 | Aug 2010 | Jul 2011 | Insuf Data: Prelim Result-Clearly Meets | Insuf Data: Prelim Result-Clearly Meets |

WBIC: 1542700

Official Name: Tomahawk Lake

Natural Community: Two-Story

WATERS ID: 128323

Local Name:

Chl a Threshold (ug/L) REC: 6 ug/l

County: Oneida

Chl a Threshold (ug/L) FAL: 10 ug/l

Watershed: Upper Tomahawk River

| Station ID | Name | # Months | Mean (ug/L) | Min (ug/L) | Max (ug/L) | 90% CI Lower | 90% CI Upper | Earliest Month Used | Latest Month Used | Relation to Standard: REC | Relation to Standard: FAL |
|------------|---------------------------|----------|-------------|------------|------------|--------------|--------------|---------------------|-------------------|---------------------------|---------------------------|
| 443146 | Tomahawk Lake - Deep Hole | 6 | 3.283 | 1.700 | 8.035 | 1.850 | 4.717 | Jul 2010 | Aug 2012 | Clearly Meets | Clearly Meets |

WBIC: 1022900

Official Name: Towanda Lake

Natural Community: Deep Seepage

WATERS ID: 128787

Local Name:

Chl a Threshold (ug/L) REC: 10 ug/l

County: Vilas

Chl a Threshold (ug/L) FAL: 27 ug/l

Watershed: Upper Tomahawk River

| Station ID | Name | # Months | Mean (ug/L) | Min (ug/L) | Max (ug/L) | 90% CI Lower | 90% CI Upper | Earliest Month Used | Latest Month Used | Relation to Standard: REC | Relation to Standard: FAL |
|------------|--------------------------|----------|-------------|------------|------------|--------------|--------------|---------------------|-------------------|---------------------------|---------------------------|
| 643113 | Towanda Lake - Deep Hole | 10 | 6.254 | 1.830 | 10.700 | 5.237 | 7.271 | Jul 2008 | Aug 2012 | Clearly Meets | Clearly Meets |