

Total Phosphorus 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

TP Threshold (ug/L) REC: 30 ug/l

County: Vilas

TP 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
643050	Big Arbor Vitae Lake - Deep Hole	3	28.667	22.000	39.000	18.786	38.547	Jun 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:

TP Threshold (ug/L) REC: 15 ug/l

County: Oneida

TP Threshold (ug/L) FAL: 15 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	13	7.654	2.500	12.000	6.595	8.713	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

TP Threshold (ug/L) REC: 30 ug/l

County: Oneida

TP 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
443063	Booth Lake - Deep Hole	1	19.000	19.000	19.000			Aug 2004	Aug 2004	Insuf Data: Only 1 value/StdDev = 0; cannot run stats	Insuf Data: Only 1 value/StdDev = 0; cannot run stats

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Date Report Run: 03/20/2014

WBIC: 983600

Official Name: Erickson Lake

Natural Community: Shallow Lowland

WATERS ID: 128467

Local Name:

TP Threshold (ug/L) REC: 40 ug/l

County: Vilas

TP Threshold (ug/L) FAL: 100 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	9.000	9.000	9.000			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

TP Threshold (ug/L) REC: 20 ug/l

County: Oneida

TP 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
443100	Franklin Lake - Deep Hole	7	10.143	6.000	13.000	8.688	11.597	Jul 2008	Aug 2011	Clearly Meets	Clearly Meets

WBIC: 1539700

Official Name: Gunlock Lake

Natural Community: Shallow Headwater

WATERS ID: 128484

Local Name:

TP Threshold (ug/L) REC: 40 ug/l

County: Vilas

TP Threshold (ug/L) FAL: 100 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	9	24.778	17.000	32.000	22.219	27.337	Jun 2009	Aug 2012	Clearly Meets	Clearly Meets

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Date Report Run: 03/20/2014

WBIC: 1541100

Official Name: Johnson Lake

Natural Community: Two-Story

WATERS ID: 128500

Local Name:

TP Threshold (ug/L) REC: 15 ug/l

County: Oneida,Vilas

TP Threshold (ug/L) FAL: 15 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	12.833	11.000	16.000	11.795	13.871	Jun 2006	Sep 2007	Clearly Meets	Clearly Meets

WBIC: 1543300

Official Name: Katherine Lake

Natural Community: Shallow Seepage

WATERS ID: 128809

Local Name:

TP Threshold (ug/L) REC: 40 ug/l

County: Oneida

TP Threshold (ug/L) FAL: 100 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	9.000	9.000	9.000			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:

TP Threshold (ug/L) REC: 15 ug/l

County: Oneida

TP Threshold (ug/L) FAL: 15 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	8	17.188	14.000	21.000	16.152	18.223	Jun 2010	Aug 2012	Clearly Exceeds	Clearly Exceeds

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Date Report Run: 03/20/2014

WBIC: 997400

Official Name: Lee Lake

Natural Community: Two-Story

WATERS ID: 128176

Local Name:

TP Threshold (ug/L) REC: 15 ug/l

County: Oneida

TP Threshold (ug/L) FAL: 15 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	14	7.304	2.500	10.000	6.561	8.046	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:

TP Threshold (ug/L) REC: 30 ug/l

County: Vilas

TP 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
643074	Little Arbor Vitae Lake - Deep Hole	3	42.333	30.000	64.000	21.836	62.830	Jun 2010	Aug 2010	Insuf Data: Prelim Result-May Exceed	Insuf Data: Prelim Result-May Meet

WBIC: 1540400

Official Name: Little Spider Lake

Natural Community: Shallow Seepage

WATERS ID: 128777

Local Name:

TP Threshold (ug/L) REC: 40 ug/l

County: Vilas

TP Threshold (ug/L) FAL: 100 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	14	15.536	6.000	24.000	13.723	17.349	Jun 2008	Sep 2012	Clearly Meets	Clearly Meets

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Date Report Run: 03/20/2014

WBIC: 1543900

Official Name: Little Tomahawk Lake

Natural Community: Two-Story

WATERS ID: 128186

Local Name:

TP Threshold (ug/L) REC: 15 ug/l

County: Oneida

TP Threshold (ug/L) FAL: 15 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 5 - Max Depth		12.200	11.000	13.000	11.449	12.951	Jun 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:

TP Threshold (ug/L) REC: 40 ug/l

County: Oneida

TP Threshold (ug/L) FAL: 100 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	13	28.192	21.000	40.000	26.127	30.257	Aug 2008	Aug 2012	Clearly Meets	Clearly Meets

WBIC: 1542400

Official Name: Minocqua Lake

Natural Community: Two-Story

WATERS ID: 128227

Local Name:

TP Threshold (ug/L) REC: 15 ug/l

County: Oneida

TP Threshold (ug/L) FAL: 15 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	7	19.714	14.000	29.000	16.640	22.789	Jul 2008	Aug 2011	Clearly Exceeds	Clearly Exceeds
443226	Minocqua Lake - Deep Hole	1	13.000	13.000	13.000			Aug 2010	Aug 2010	Insuf Data: Only 1 value/StdDev = 0; cannot run stats	Insuf Data: Only 1 value/StdDev = 0; cannot run stats

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Date Report Run: 03/20/2014

WBIC: 1544000

Official Name: Mud Lake

Natural Community: Reservoir (Deep Headwater)

WATERS ID: 128233

Local Name:

TP Threshold (ug/L) REC: 30 ug/l

County: Oneida

TP 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
10022233	Mud Lake - Deep Hole	1	12.000	12.000	12.000			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:

TP Threshold (ug/L) REC: 30 ug/l

County: Oneida,Vilas

TP 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
643515	Shishebogama Lake - 13 Deep Hole	13	18.154	12.000	29.000	16.183	20.125	Jun 2008	Aug 2012	Clearly Meets	Clearly Meets

WBIC: 1541700

Official Name: Snake Lake

Natural Community: Deep Seepage

WATERS ID: 128888

Local Name:

TP Threshold (ug/L) REC: 20 ug/l

County: Oneida,Vilas

TP 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
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Total Phosphorus 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

TP Threshold (ug/L) REC: 30 ug/l

County: Oneida, Vilas

TP 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
443268	Squirrel Lake - Deep Hole	5	17.200	13.000	22.000	14.805	19.595	Jun 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:

TP Threshold (ug/L) REC: 15 ug/l

County: Oneida

TP Threshold (ug/L) FAL: 15 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	8	11.000	8.000	14.000	10.113	11.887	Jun 2010	Aug 2012	Clearly Meets	Clearly Meets

WBIC: 1022900

Official Name: Towanda Lake

Natural Community: Deep Seepage

WATERS ID: 128787

Local Name:

TP Threshold (ug/L) REC: 20 ug/l

County: Vilas

TP 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
643113	Towanda Lake - Deep Hole	15	14.667	11.000	18.000	13.940	15.394	Jun 2008	Aug 2012	Clearly Meets	Clearly Meets