

# Lake Field Data Sheet – 2011 WLA Water Quality Monitoring Data

Use one sheet for each test site

## Webster Lake Association

Troll 9500 Serial#: 48734

Date: JUNE 16, 2011

Time: 11:35 AM

Site ID: Middle Pond

Volunteers: Ed Wentland, Ernie Benoit, Jean Travis, Al Huefner, Gloria Richter, Nick Buehler, Rich Franias rev: 20110211

### Weather Observations

#### 1. Current Sky Conditions:

- Clear/Sunny  
 Hazy  
 Few Clouds  
 Overcast  
 Rain/Mix

#### 2. Current Wind Conditions

- Calm  
 Light breeze  
 Gusty or High Winds

#### 3. Daytime Temp - past 48hrs:

- Cold (40s/50s)  
 Cool (60s)  
 Mild (70s)  
 Warm (80s)  
 Hot (90+)

#### 4. Sky Conditions - past 48hrs:

- Cloudy - Dry  
 Sunny - Dry  
 Light - Rain  
 Heavy - Rain  
 Stormy /Thunderstorms

**Note: Before leaving the site, make sure all fields are filled in.**

### Form Quality Signatures:

Form Filled In By: Ed Wentland

Reviewed By: Al Huefner

Date: 6-17-11

### Water Observations

#### 1. Water Surface Conditions:

- Calm  
 Ripples  
 Waves  
 White Caps

#### 2. Water Color:

- Clear  
 Green Appearance  
 Brown Appearance  
 Gray Appearance

#### 3. Water Clarity:

- Clear  
 Dark Colored  
 Cloudy or Muddy

#### 4. Suspended Matter:

- None Visible  
 Slight Amount  
 Moderate Amount  
 Substantial Amount

#### 5. Water Smell/Odor

- None  
 Fishy Smell  
 Musty Smell  
 Rotten Egg-like Smell  
 Septic-like Smell

#### 6. Other observations

- None  
 Water bugs, surface bugs  
 Dead Fish  
 Leaves/Limbs/Debris  
 Oil film  
 Trash/debris from humans  
 Algae Mats/Clumps  
 Waterfowl

#### 7. Notes/Other Observations:

We found "The Buoy"

### Instrument Readings:

#### Anemometer Air Readings

Air temp: 75.9 F  
 Wind Speed: 5.2 mph  
 Wind Direction: 280  
 (Compass Degrees)  
 Secchi Disk: 14.8 ft/t  
 (Red Side of Tape Feet/Tenths)  
 Thermocline: 20.0 ft.  
 Lake Depth: 27.0 ft.

### Water Samples Collected:

Sample	Top	(Cline)	Bot
Chlor	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Phos	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Nitrate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

### Equipment Check List:

In-Situ Tech Support 800-446-7488

- Troll 9500 & Rugged Reader (charge battery)  
 50' Troll Cable  
 Stylus for Rugged Reader  
 Anemometer (Check Batteries)  
 Compass  
 GPS (Check Batteries)  
 Kit of Extra Batteries  
 Lake - Field Data Sheets – 4 copies  
 Notebook & pen for thermocline  
 Writing Pens  
 2ft Measuring Stick  
 Sample Grabber Tool  
 Sample bottles  
 Cooler & Ice Packs  
 Sample Chain of Custody Form  
 First aid Kit  
 Aqua-scope Viewer  
 Van Dorn Grabber with Measure Tape/Release Line  
 Secchi Disk & Measure Tape  
 Anchor & 200 foot line  
 Camera (Optional)



# 2011-06 Troll Sensor Lake Readings

Site ID	Time Stamp	Depth(ft)	Cond( $\mu$ S Act)	Nitrate(ppm)	ORP(mv)	pH	RDO(mg/L)	Temp(F)	Turb(NTU)	Batt(V)
Pre Tap Test	6/16/2011 8:38	----	240.10	2.7500	252	6.59	9.29	69.3	-0.075	7.5
S1	6/16/2011 11:05	2	171.50	2.8800	191	7.18	8.63	71.4	1.484	7.5
S1	6/16/2011 11:05	4	171.20	2.6100	189	7.12	8.60	71.3	1.551	7.5
S1	6/16/2011 11:06	6	170.90	2.3500	189	7.05	8.56	71.0	1.642	7.5
S1	6/16/2011 11:06	8	170.20	2.3200	189	7.02	8.58	70.7	2.051	7.5
S1	6/16/2011 11:07	10	169.70	2.2600	189	6.99	8.48	70.5	1.432	7.5
S1	6/16/2011 11:07	12	169.10	1.9500	190	6.92	8.20	70.0	1.812	7.5
S1	6/16/2011 11:08	14	168.20	1.3700	194	6.79	7.48	69.1	2.049	7.5
S1	6/16/2011 11:09	16	162.90	0.7600	199	6.58	5.93	65.8	2.227	7.5
S1	6/16/2011 11:09	18	155.70	0.5400	202	6.46	4.22	62.0	1.827	7.5
S1	6/16/2011 11:10	20	151.60	0.4200	204	6.39	2.99	59.4	2.177	7.5
S1	6/16/2011 11:11	22	150.30	0.3800	204	6.37	1.79	57.9	2.489	7.5
S1	6/16/2011 11:11	24	156.50	0.3800	132	6.37	0.71	56.1	4.498	7.5
M1	6/16/2011 11:38	2	170.20	2.8700	112	7.20	8.69	72.2	0.671	7.5
M1	6/16/2011 11:38	4	169.30	2.3700	112	7.16	8.74	71.8	0.759	7.5
M1	6/16/2011 11:39	6	167.90	2.1700	113	7.12	8.77	71.2	0.710	7.5
M1	6/16/2011 11:39	8	167.30	2.0600	114	7.07	8.81	70.9	1.011	7.5
M1	6/16/2011 11:40	10	166.50	1.9100	116	7.03	8.79	70.4	0.674	7.5
M1	6/16/2011 11:40	12	166.20	1.7200	116	7.00	8.62	70.3	0.684	7.5
M1	6/16/2011 11:41	14	166.10	1.7500	116	7.00	8.63	70.3	0.691	7.5
M1	6/16/2011 11:41	16	165.90	1.7100	115	6.99	8.58	70.1	0.769	7.5
M1	6/16/2011 11:42	18	161.50	1.0900	118	6.89	7.90	68.2	0.902	7.5
M1	6/16/2011 11:42	20	157.80	0.8100	121	6.80	7.39	66.3	1.096	7.5
M1	6/16/2011 11:43	22	150.60	0.5700	125	6.66	6.73	63.3	0.867	7.5
M1	6/16/2011 11:44	24	148.30	0.4400	131	6.51	5.48	60.9	1.375	7.5
M1	6/16/2011 11:44	26	147.60	0.4300	134	6.42	3.75	60.2	1.114	7.5
M1	6/16/2011 11:45	28	147.50	0.4500	136	6.37	2.88	59.8	1.053	7.5
M1	6/16/2011 11:45	30	147.50	0.4600	137	6.35	2.35	59.7	1.057	7.5
N1	6/16/2011 12:14	2	162.10	2.0100	118	7.12	8.34	71.7	0.692	7.5
N1	6/16/2011 12:14	4	161.90	2.0000	119	7.07	8.36	71.7	0.679	7.5
N1	6/16/2011 12:14	6	161.30	1.9400	119	7.04	8.35	71.4	0.582	7.5
N1	6/16/2011 12:15	8	161.20	1.9000	120	7.02	8.39	71.3	0.672	7.5
N1	6/16/2011 12:15	10	160.90	1.9100	121	7.00	8.42	71.2	0.640	7.5
N1	6/16/2011 12:16	12	160.80	1.9200	122	6.97	8.41	71.1	0.776	7.5
N1	6/16/2011 12:17	14	160.00	1.8400	126	6.89	8.42	70.5	0.705	7.5
N1	6/16/2011 12:17	16	159.30	1.6900	131	6.79	8.28	70.0	0.767	7.5
N1	6/16/2011 12:19	18	153.60	0.9900	142	6.53	7.64	66.8	1.833	7.5
N1	6/16/2011 12:19	20	147.10	0.7700	145	6.46	7.78	64.0	0.975	7.5
N1	6/16/2011 12:21	22	141.90	0.5200	156	6.17	5.58	61.1	1.398	7.5
N1	6/16/2011 12:21	24	140.10	0.4800	157	6.14	5.27	60.1	1.237	7.5
N1	6/16/2011 12:22	26	138.20	0.4400	157	6.10	3.79	58.7	1.432	7.5
N1	6/16/2011 12:22	28	136.70	0.4300	157	6.10	3.56	58.1	0.831	7.5
N1	6/16/2011 12:23	30	134.50	0.4000	157	6.12	3.54	56.8	1.159	7.5
N1	6/16/2011 12:23	32	132.40	0.3800	156	6.14	3.68	55.7	0.635	7.5
N1	6/16/2011 12:24	34	130.00	0.3500	156	6.16	3.58	54.2	0.562	7.5
N1	6/16/2011 12:24	36	128.70	0.3300	155	6.18	3.46	53.3	0.521	7.5
N1	6/16/2011 12:25	38	127.50	0.3000	155	6.20	2.86	52.4	0.643	7.5
N1	6/16/2011 12:25	40	127.30	0.2800	154	6.22	2.19	51.7	1.664	7.5
N1	6/16/2011 12:26	42	127.30	0.2800	151	6.25	1.06	51.5	2.298	7.5

# 2011-06 Troll Sensor Streams Readings

Site ID	Time Stamp	Depth(ft)	Cond( $\mu$ S Act)	Nitrate(ppm)	ORP(mv)	pH	RDO(mg/L)	Temp(F)	Turb(NTU)	Batt(V)
Pre Tap Test	6/17/2011 8:44	0.21	242.10	0.6200	212	7.21	8.36	69.3	-0.059	7.5
LakeWake	6/17/2011 9:12	0.545	238.50	0.1600	211	7.12	10.02	54.9	0.888	7.5
LKQ20	6/17/2011 10:16	0.163	139.00	0.0600	172	6.55	6.21	67.7	12.160	7.5
BB18	6/17/2011 10:25	1.35	103.00	0.1200	141	7.35	9.67	60.3	164.900	7.5
MB17	6/17/2011 10:37	0.382	17.41	0.0000	159	6.79	9.78	56.1	0.030	7.5
MB17QC	6/17/2011 10:39	0.42	17.43	0.0000	188	6.01	9.94	56.1	-0.001	7.5
SB16	6/17/2011 10:49	0.643	100.10	0.0800	168	6.90	8.42	62.5	15.720	7.5
Post Tap Test	6/17/2011 11:24	0.207	241.70	0.5800	167	7.15	8.26	69.0	0.262	7.5

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Form Filled In By:

Ed Wentland

Reviewed By:

Al Huefner

Date: 6-17-11

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 Compass  
 GPS (Check Batteries)  
 Kit of Extra Batteries  
 Lake - Field Data Sheets – 4 copies  
 Notebook & pen for thermocline  
 Writing Pens  
 2ft Measuring Stick  
 Sample Grabber Tool  
 Sample bottles  
 Cooler & Ice Packs  
 Sample Chain of Custody Form  
 First aid Kit  
 Aqua-scope Viewer  
 Van Dorn Grabber with Measure Tape/Release Line  
 Secchi Disk & Measure Tape  
 Anchor & 200 foot line  
 Camera (Optional)



# 2011-06 Troll Sensor Lake Readings

Site ID	Time Stamp	Depth(ft)	Cond( $\mu$ S Act)	Nitrate(ppm)	ORP(mv)	pH	RDO(mg/L)	Temp(F)	Turb(NTU)	Batt(v)
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S1	6/16/2011 11:06	6	170.90	2.3500	189	7.05	8.56	71.0	1.642	7.5
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S1	6/16/2011 11:07	12	169.10	1.9500	190	6.92	8.20	70.0	1.812	7.5
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M1	6/16/2011 11:39	8	167.30	2.0600	114	7.07	8.81	70.9	1.011	7.5
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M1	6/16/2011 11:41	16	165.90	1.7100	115	6.99	8.58	70.1	0.769	7.5
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N1	6/16/2011 12:23	30	134.50	0.4000	157	6.12	3.54	56.8	1.159	7.5
N1	6/16/2011 12:23	32	132.40	0.3800	156	6.14	3.68	55.7	0.635	7.5
N1	6/16/2011 12:24	34	130.00	0.3500	156	6.16	3.58	54.2	0.562	7.5
N1	6/16/2011 12:24	36	128.70	0.3300	155	6.18	3.46	53.3	0.521	7.5
N1	6/16/2011 12:25	38	127.50	0.3000	155	6.20	2.86	52.4	0.643	7.5
N1	6/16/2011 12:25	40	127.30	0.2800	154	6.22	2.19	51.7	1.664	7.5
N1	6/16/2011 12:26	42	127.30	0.2800	151	6.25	1.06	51.5	2.298	7.5

# 2011-06 Troll Sensor Streams Readings

Site ID	Time Stamp	Depth(ft)	Cond( $\mu$ S Act)	Nitrate(ppm)	ORP(mv)	pH	RDO(mg/L)	Temp(F)	Turb(NTU)	Batt(V)
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MB17	6/17/2011 10:37	0.382	17.41	0.0000	159	6.79	9.78	56.1	0.030	7.5
MB17QC	6/17/2011 10:39	0.42	17.43	0.0000	188	6.01	9.94	56.1	-0.001	7.5
SB16	6/17/2011 10:49	0.643	100.10	0.0800	168	6.90	8.42	62.5	15.720	7.5
Post Tap Test	6/17/2011 11:24	0.207	241.70	0.5800	167	7.15	8.26	69.0	0.262	7.5



Scanned

# Streams Field Data Sheet – 2011 WLA Water Quality Monitoring Data

Use one sheet for each test site

## Webster Lake Association

Troll 9500 Serial #: 48734

Date: 10/14/11 Time: 10:10 AM Site ID: LK020 GPS: \_\_\_\_\_

Volunteers: ERNIE BENOIT, KEVIN SULLIVAN, KEN CHAVIX, AL HUEFNER rev: 20110211

Is this a QC Check? Yes

Weather Conditions

1. Current Sky Conditions:

Clear/Sunny  
 Hazy  
 Few Clouds  
 Overcast  
 Rain/Mix

2. Current Wind Conditions

Calm  
 Light breeze  
 Gusty or High Winds

3. Daytime Temp - past 48hrs:

Cold (40s/50s)  
 Cool (60s)  
 Mild (70s)  
 Warm (80s)  
 Hot (90+)

4. Sky Conditions - past 48hrs:

Cloudy - Dry  
 Sunny - Dry  
 Light - Rain  
 Heavy - Rain

**Note:** Before leaving the site, make sure all fields are filled in.

Water Samples Collected:

Phosphorus   
 Nitrates

Form Quality Signatures:

Form filled in by:  
ERNIE BENOIT

Reviewed by:  
Al Huefner

Date: 10/14/11

Water Conditions

1. Stream Water Flow:

Dry Bed  
 No Flow-Water Standing  
 Light Flow  
 Moderate Flow  
 Heavy Flow

2. Water Clarity:

Clear  
 Dark Colored  
 Cloudy or Muddy

3. Suspended Sediment Level:

None Visible  
 Slight Amount  
 Moderate Amount  
 Substantial Amount

4. Amount of Aquatic Growth:

None  
 Slight Amount  
 Moderate Amount  
 Substantial Amount

5. Water Smell/Odor

None  
 Fishy Smell  
 Musty Smell  
 Rotten Egg-like Smell  
 Septic-like Smell

6. Other observations

None  
 Water bugs, surface bugs  
 Tadpoles, frogs, crayfish  
 Animal prints on bank  
 Leaves/Brush in water  
 Trash/debris from humans  
 Other(describe in notes)

7. Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Instrument Readings:

Staff Gauge: NA ft.

Air/Wind Anemometer 65.2

Air temp: 60.59 F

Wind Speed: 3.4 MPH

Wind Direction: 254°  
 (compass degrees)

Troll Water Readings

Water temp: 60.59 F

RDO: 5.67 Mg/L

pH: 6.06 Units

Conductivity: 65.05 uS/L

Turbidity: 143.1 NTU

ORP: 0.47 mV

Nitrogen: 0.3590 ppm

Equipment Check List:  
 In-Situ Tech Support 800-446-7488

Clip board & rain protector  
 Field Data Sheets – 6 copies  
 Samples Chain of Custody Form  
 Sample bottles  
 Sample Grabber Tool  
 First Aid Kit  
 Brush to clean staff gauges  
 Anemometer/thermometer  
 Compass  
 Triangle flares  
 Troll 9500  
 15ft Troll Cable  
 Rugged Reader (Charge Bat.)  
 Kit of Spare Batteries  
 Stylus for Rugged Reader  
 Boots  
 Brush Trimmer  
 Camera  
 SOPs Operating Instruments  
 Poison Ivy Wash  
 QC Site Selected



# Streams Field Data Sheet – 2011 WLA Water Quality Monitoring Data

Use one sheet for each test site

## Webster Lake Association

Troll 9500 Serial #: 48734

Date: 10/4/11 Time: 10:20AM Site ID: BB18 GPS: \_\_\_\_\_  
 Volunteers: 191D rev: 20110211

Is this a QC Check? Yes

### Weather Conditions

- 1. Current Sky Conditions:**
- Clear/Sunny
  - Hazy
  - Few Clouds
  - Overcast
  - Rain/Mix
- 2. Current Wind Conditions**
- Calm
  - Light breeze
  - Gusty or High Winds
- 3. Daytime Temp - past 48hrs:**
- Cold (40s/50s)
  - Cool (60s)
  - Mild (70s)
  - Warm (80s)
  - Hot (90+)
- 4. Sky Conditions - past 48hrs:**
- Cloudy - Dry
  - Sunny - Dry
  - Light - Rain
  - Heavy - Rain

**Note:** Before leaving the site, make sure all fields are filled in.

### Water Samples Collected:

Phosphorus   
 Nitrates

### Form Quality Signatures:

Form filled in by:  
RORIE B

Reviewed by:  
[Signature]

Date: 10/14/11

### Water Conditions

- 1. Stream Water Flow:**
- Dry Bed
  - No Flow-Water Standing
  - Light Flow
  - Moderate Flow
  - Heavy Flow
- 2. Water Clarity:**
- Clear
  - Dark Colored
  - Cloudy or Muddy
- 3. Suspended Sediment Level:**
- None Visible
  - Slight Amount
  - Moderate Amount
  - Substantial Amount
- 4. Amount of Aquatic Growth:**
- None
  - Slight Amount
  - Moderate Amount
  - Substantial Amount
- 5. Water Smell/Odor**
- None
  - Fishy Smell
  - Musty Smell
  - Rotten Egg-like Smell
  - Septic-like Smell
- 6. Other observations**
- None
  - Water bugs, surface bugs
  - Tadpoles, frogs, crayfish
  - Animal prints on bank
  - Leaves/Brush in water
  - Trash/debris from humans
  - Other(describe in notes)

**7. Notes:** lots of TRASH

### Instrument Readings:

Staff Gauge: 1.48 ft.

**Air/Wind Anemometer**

Air temp: 64.6 °F

Wind Speed: 7.8 MPH

Wind Direction: 252  
 (compass degrees)

**Troll Water Readings**

Water temp: 58.61 °F

RDO: 9.76 Mg/L

pH: 6.73 Units

Conductivity: 56.92 uS/L

Turbidity: 4.9 NTU

ORP: 0.41 mV

Nitrogen: 0.5774 ppm

### Equipment Check List:

- In-Situ Tech Support 800-446-7488**
- Clip board & rain protector
  - Field Data Sheets – 6 copies
  - Samples Chain of Custody Form
  - Sample bottles
  - Sample Grabber Tool
  - First Aid Kit
  - Brush to clean staff gauges
  - Anemometer/thermometer
  - Compass
  - Triangle flares
  - Troll 9500
  - 15ft Troll Cable
  - Rugged Reader (Charge Bat.)
  - Kit of Spare Batteries
  - Stylus for Rugged Reader
  - Boots
  - Brush Trimmer
  - Camera
  - SOPs Operating Instruments
  - Poison Ivy Wash
  - QC Site Selected



# Streams Field Data Sheet – 2011 WLA Water Quality Monitoring Data

Use one sheet for each test site

## Webster Lake Association

Troll 9500 Serial #: 48734

Date: 10/14/11 Time: 10:28 AM Site ID: BB18 GPS: \_\_\_\_\_

Volunteers: UBD rev: 20110211

Is this a QC Check? Yes

### Weather Conditions

#### 1. Current Sky Conditions:

- Clear/Sunny
- Hazy
- Few Clouds
- Overcast
- Rain/Mix

#### 2. Current Wind Conditions

- Calm
- Light breeze
- Gusty or High Winds

#### 3. Daytime Temp - past 48hrs:

- Cold (40s/50s)
- Cool (60s)
- Mild (70s)
- Warm (80s)
- Hot (90+)

#### 4. Sky Conditions - past 48hrs:

- Cloudy - Dry
- Sunny - Dry
- Light - Rain
- Heavy - Rain

**Note:** Before leaving the site, make sure all fields are filled in.

### Water Samples Collected:

Phosphorus   
Nitrates

### Form Quality Signatures:

Form filled in by:

ERNIEB

Reviewed by:

Al Heffner

Date: 10/14/11

### Water Conditions

#### 1. Stream Water Flow:

- Dry Bed
- No Flow-Water Standing
- Light Flow
- Moderate Flow
- Heavy Flow

#### 2. Water Clarity:

- Clear
- Dark Colored
- Cloudy or Muddy

#### 3. Suspended Sediment Level:

- None Visible
- Slight Amount
- Moderate Amount
- Substantial Amount

#### 4. Amount of Aquatic Growth:

- None
- Slight Amount
- Moderate Amount
- Substantial Amount

#### 5. Water Smell/Odor

- None
- Fishy Smell
- Musty Smell
- Rotten Egg-like Smell
- Septic-like Smell

#### 6. Other observations

- None
- Water bugs, surface bugs
- Tadpoles, frogs, crayfish
- Animal prints on bank
- Leaves/Brush in water
- Trash/debris from humans
- Other(describe in notes)

7. Notes: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Instrument Readings: 1:48

Staff Gauge: ~~63.8~~ ft.

#### Air/Wind Anemometer

Air temp: 63.8 °F

Wind Speed: 0.8 MPH

Wind Direction: 253

(compass degrees)

#### Troll Water Readings

Water temp: 58.61 °F

RDO: 9.82 Mg/L

pH: 6.43 Units

Conductivity: 57.9 uS/L

Turbidity: 4.0 NTU

ORP: 0.39 mV

Nitrogen: 0.5414 ppm

### Equipment Check List:

#### In-Situ Tech Support 800-446-7488

- Clip board & rain protector
- Field Data Sheets – 6 copies
- Samples Chain of Custody Form
- Sample bottles
- Sample Grabber Tool
- First Aid Kit
- Brush to clean staff gauges
- Anemometer/thermometer
- Compass
- Triangle flares
- Troll 9500
- 15ft Troll Cable
- Rugged Reader (Charge Bat.)
- Kit of Spare Batteries
- Stylus for Rugged Reader
- Boots
- Brush Trimmer
- Camera
- SOPs Operating Instruments
- Poison Ivy Wash
- QC Site Selected



# Streams Field Data Sheet – 2011 WLA Water Quality Monitoring Data

Use one sheet for each test site

## Webster Lake Association

Troll 9500 Serial #: 48734

Date: 10/14/11 Time: 10:42 AM Site ID: SB 16 GPS: \_\_\_\_\_

Volunteers: JPD rev: 20110211

Is this a QC Check? Yes

### Weather Conditions

#### 1. Current Sky Conditions:

- Clear/Sunny
- Hazy
- Few Clouds
- Overcast
- Rain/Mix

#### 2. Current Wind Conditions

- Calm
- Light breeze
- Gusty or High Winds

#### 3. Daytime Temp - past 48hrs:

- Cold (40s/50s)
- Cool (60s)
- Mild (70s)
- Warm (80s)
- Hot (90+)

#### 4. Sky Conditions - past 48hrs:

- Cloudy - Dry
- Sunny - Dry
- Light - Rain
- Heavy - Rain

**Note:** Before leaving the site, make sure all fields are filled in.

### Water Samples Collected:

Phosphorus   
Nitrates

### Form Quality Signatures:

Form filled in by:

ERNEST

Reviewed by:

Al Sheffer

Date: 10/14/11

### Water Conditions

#### 1. Stream Water Flow:

- Dry Bed
- No Flow—Water Standing
- Light Flow
- Moderate Flow
- Heavy Flow

#### 2. Water Clarity:

- Clear
- Dark Colored
- Cloudy or Muddy

#### 3. Suspended Sediment Level:

- None Visible
- Slight Amount
- Moderate Amount
- Substantial Amount

#### 4. Amount of Aquatic Growth:

- None
- Slight Amount
- Moderate Amount
- Substantial Amount

#### 5. Water Smell/Odor

- None
- Fishy Smell
- Musty Smell
- Rotten Egg-like Smell
- Septic-like Smell

#### 6. Other observations

- None
- Water bugs, surface bugs
- Tadpoles, frogs, crayfish
- Animal prints on bank
- Leaves/Brush in water
- Trash/debris from humans
- Other(describe in notes)

7. Notes: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Instrument Readings:

Staff Gauge: 0.96ft.

#### Air/Wind Anemometer

Air temp: 64.3 °F

Wind Speed: 1.4 MPH

Wind Direction: 154  
(compass degrees)

#### Troll Water Readings

Water temp: 59.48 °F

RDO: 9.03 Mg/L

pH: 6.55 Units

Conductivity: 69.28 uS/L

Turbidity: 1.0 NTU

ORP: 0.44 mV

Nitrogen: 0.8585 ppm

### Equipment Check List:

In-Situ Tech Support 800-446-7488

- Clip board & rain protector
- Field Data Sheets – 6 copies
- Samples Chain of Custody Form
- Sample bottles
- Sample Grabber Tool
- First Aid Kit
- Brush to clean staff gauges
- Anemometer/thermometer
- Compass
- Triangle flares
- Troll 9500
- 15ft Troll Cable
- Rugged Reader (Charge Bat.)
- Kit of Spare Batteries
- Stylus for Rugged Reader
- Boots
- Brush Trimmer
- Camera
- SOPs Operating Instruments
- Poison Ivy Wash
- QC Site Selected



# Streams Field Data Sheet – 2011 WLA Water Quality Monitoring Data

Use one sheet for each test site

## Webster Lake Association

Troll 9500 Serial #: 48734

Date: 10/14/11 Time: 10:39 Site ID: MB 17 GPS: \_\_\_\_\_

Volunteers: IBID rev: 20110211

Is this a QC Check? Yes

### Weather Conditions

- 1. Current Sky Conditions:**
- Clear/Sunny
  - Hazy
  - Few Clouds
  - Overcast
  - Rain/Mix
- 2. Current Wind Conditions**
- Calm
  - Light breeze
  - Gusty or High Winds
- 3. Daytime Temp - past 48hrs:**
- Cold (40s/50s)
  - Cool (60s)
  - Mild (70s)
  - Warm (80s)
  - Hot (90+)
- 4. Sky Conditions - past 48hrs:**
- Cloudy - Dry
  - Sunny - Dry
  - Light - Rain
  - Heavy - Rain

**Note:** Before leaving the site, make sure all fields are filled in.

### Water Samples Collected:

Phosphorus   
Nitrates

### Form Quality Signatures:

Form filled in by:  
Ernie

Reviewed by:  
[Signature]

Date: 10/14/11

### Water Conditions

- 1. Stream Water Flow:**
- Dry Bed
  - No Flow-Water Standing
  - Light Flow
  - Moderate Flow
  - Heavy Flow
- 2. Water Clarity:**
- Clear
  - Dark Colored
  - Cloudy or Muddy
- 3. Suspended Sediment Level:**
- None Visible
  - Slight Amount
  - Moderate Amount
  - Substantial Amount
- 4. Amount of Aquatic Growth:**
- None
  - Slight Amount
  - Moderate Amount
  - Substantial Amount
- 5. Water Smell/Odor**
- None
  - Fishy Smell
  - Musty Smell
  - Rotten Egg-like Smell
  - Septic-like Smell
- 6. Other observations**
- None
  - Water bugs, surface bugs
  - Tadpoles, frogs, crayfish
  - Animal prints on bank
  - Leaves/Brush in water
  - Trash/debris from humans
  - Other(describe in notes)

**7. Notes:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Instrument Readings:

Staff Gauge: 0.6 ft.

**Air/Wind Anemometer**

Air temp: 63.5 °F

Wind Speed: 1.2 MPH

Wind Direction: 194  
(compass degrees)

**Troll Water Readings**

Water temp: 57.45 °F

RDO: 9.78 Mg/L

pH: 5.56 Units

Conductivity: 15.27 uS/L

Turbidity: 0.1 NTU

ORP: 0.47 mV

Nitrogen: 0.0553 ppm

### Equipment Check List:

- In-Situ Tech Support 800-446-7488**
- Clip board & rain protector
  - Field Data Sheets – 6 copies
  - Samples Chain of Custody Form
  - Sample bottles
  - Sample Grabber Tool
  - First Aid Kit
  - Brush to clean staff gauges
  - Anemometer/thermometer
  - Compass
  - Triangle flares
  - Troll 9500
  - 15ft Troll Cable
  - Rugged Reader (Charge Bat.)
  - Kit of Spare Batteries
  - Stylus for Rugged Reader
  - Boots
  - Brush Trimmer
  - Camera
  - SOPs Operating Instruments
  - Poison Ivy Wash
  - QC Site Selected



# Lake Field Data Sheet – 2011 WLA Water Quality Monitoring Data

Use one sheet for each test site

## Webster Lake Association

Troll 9500 Serial#: 48734

Date: Oct. 16, 2011

Time: 12:15 P.M.

Site ID: NORTH POND

Volunteers: Ed WENTLAND, Rich FRAYAS, NICHOLAS BUEHLER, RAY & JEN TRAVIS, GLORIA RICHTER, JOHN POKORNY, ROBYN MCGURRY, AL HUEFNER rev: 20110211

### Weather Observations

#### 1. Current Sky Conditions:

- Clear/Sunny
- Hazy
- Few Clouds
- Overcast
- Rain/Mix

#### 2. Current Wind Conditions

- Calm
- Light breeze
- Gusty or High Winds

#### 3. Daytime Temp - past 48hrs:

- Cold (40s/50s)
- Cool (60s)
- Mild (70s)
- Warm (80s)
- Hot (90+)

#### 4. Sky Conditions - past 48hrs:

- Cloudy - Dry
- Sunny - Dry
- Light - Rain
- Heavy - Rain
- Stormy /Thunderstorms

### Water Observations

#### 1. Water Surface Conditions:

- Calm
- Ripples
- Waves
- White Caps

#### 2. Water Color:

- Clear
- Green Appearance
- Brown Appearance
- Gray Appearance

#### 3. Water Clarity:

- Clear
- Dark Colored
- Cloudy or Muddy

#### 4. Suspended Matter:

- None Visible
- Slight Amount
- Moderate Amount
- Substantial Amount

#### 5. Water Smell/Odor

- None
- Fishy Smell
- Musty Smell
- Rotten Egg-like Smell
- Septic-like Smell

#### 6. Other observations

- None
- Water bugs, surface bugs
- Dead Fish
- Leaves/Limbs/Debris
- Oil film
- Trash/debris from humans
- Algae Mats/Clumps
- Waterfowl

#### 7. Notes/Other Observations:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### Instrument Readings:

#### Anemometer Air Readings

Air temp: 59.0°F  
 Wind Speed: 8.0 mph  
 Wind Direction: 270°  
 (Compass Degrees)

Secchi Disk: 17.0 ft/t  
 (Red Side of Tape Feet/Tenths)  
 Thermocline: None ft.  
 Lake Depth: 38.0 ft.

### Water Samples Collected:

Sample	Top	Tcline	Bot
Chlor	<input checked="" type="checkbox"/>		
Phos	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Nitrate	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Equipment Check List:

- In-Situ Tech Support 800-446-7488**
- Troll 9500 & Rugged Reader (charge battery)
  - 50' Troll Cable
  - Stylus for Rugged Reader
  - Anemometer (Check Batteries)
  - Compass
  - GPS (Check Batteries)
  - Kit of Extra Batteries
  - Lake - Field Data Sheets – 4 copies
  - Notebook & pen for thermocline
  - Writing Pens
  - 2ft Measuring Stick
  - Sample Grabber Tool
  - Sample bottles
  - Cooler & Ice Packs
  - Sample Chain of Custody Form
  - First aid Kit
  - Aqua-scope Viewer
  - Van Dorn Grabber with Measure Tape/Release Line
  - Secchi Disk & Measure Tape
  - Anchor & 200 foot line
  - Camera (Optional)

**Note: Before leaving the site, make sure all fields are filled in.**

### Form Quality Signatures:

Form Filled In By: Ed Wentland

Reviewed By: Al Huefner

Date: 10/17/11



# Lake Field Data Sheet – 2011 WLA Water Quality Monitoring Data

Use one sheet for each test site

## Webster Lake Association

Troll 9500 Serial#: 48734

Date: Oct 16 2011

Time: 11:07 A.M

Site ID: SOUTH POND

Volunteers: Ed Wentland, Rich Franus, Jean + Ray Travis, Al Huefner, rev: 20110211  
~~NICHOLAS BUEHLER, JOHN POKORNY, GLORIA RICHTER, ROBYN MAURY~~

### Weather Observations

#### 1. Current Sky Conditions:

- Clear/Sunny
- Hazy
- Few Clouds
- Overcast
- Rain/Mix

#### 2. Current Wind Conditions

- Calm
- Light breeze
- Gusty or High Winds

#### 3. Daytime Temp - past 48hrs:

- Cold (40s/50s)
- Cool (60s)
- Mild (70s)
- Warm (80s)
- Hot (90+)

#### 4. Sky Conditions - past 48hrs:

- Cloudy - Dry
- Sunny - Dry
- Light - Rain
- Heavy - Rain
- Stormy /Thunderstorms

### Water Observations

#### 1. Water Surface Conditions:

- Calm
- Ripples
- Waves
- White Caps

#### 2. Water Color:

- Clear
- Green Appearance
- Brown Appearance
- Gray Appearance

#### 3. Water Clarity:

- Clear
- Dark Colored
- Cloudy or Muddy

#### 4. Suspended Matter:

- None Visible
- Slight Amount
- Moderate Amount
- Substantial Amount

#### 5. Water Smell/Odor

- None
- Fishy Smell
- Musty Smell
- Rotten Egg-like Smell
- Septic-like Smell

#### 6. Other observations

- None
- Water bugs, surface bugs
- Dead Fish
- Leaves/Limbs/Debris
- Oil film
- Trash/debris from humans
- Algae Mats/Clumps
- Waterfowl

#### 7. Notes/Other Observations:

Hug + Tree BRANCH  
Retrieved attached  
to ANCHOR

### Instrument Readings:

#### Anemometer Air Readings

Air temp: 58.3 °F  
 Wind Speed: 9.7 mph  
 Wind Direction: 240 °  
 (Compass Degrees)  
 Secchi Disk: 9.4 ft/t  
 (Red Side of Tape Feet/Tenths)  
 Thermocline: None ft.  
 Lake Depth: 25.0 ft.

### Water Samples Collected:

Sample	Top	TCLine	Bot
Chlor	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Phos	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Nitrate	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Equipment Check List:

In-Situ Tech Support 800-446-7488

- Troll 9500 & Rugged Reader (charge battery)
- 50' Troll Cable
- Stylus for Rugged Reader
- Anemometer (Check Batteries)
- Compass
- GPS (Check Batteries)
- Kit of Extra Batteries
- Lake - Field Data Sheets – 4 copies
- Notebook & pen for thermocline
- Writing Pens
- 2ft Measuring Stick
- Sample Grabber Tool
- Sample bottles
- Cooler & Ice Packs
- Sample Chain of Custody Form
- First aid Kit
- Aqua-scope Viewer
- Van Dorn Grabber with Measure Tape/Release Line
- Secchi Disk & Measure Tape
- Anchor & 200 foot line
- Camera (Optional)

**Note: Before leaving the site, make sure all fields are filled in.**

### Form Quality Signatures:

Form Filled In By:  
Ed Wentland

Reviewed By:  
Al Huefner

Date: 10/17/11



# Lake Field Data Sheet – 2011 WLA Water Quality Monitoring Data

Use one sheet for each test site

## Webster Lake Association

Troll 9500 Serial#: 48734

Date: Oct. 16, 2011

Time: 11:41 AM

Site ID: Middle Pond

Volunteers: Ed Wentland, Rich Franas, Joan & Ray Travis, Al Huefner, Nicholas Buehler, John Pokorny, Goria Richter, Robyn Molwy rev: 20110211

### Weather Observations

#### 1. Current Sky Conditions:

- Clear/Sunny
- Hazy
- Few Clouds
- Overcast
- Rain/Mix

#### 2. Current Wind Conditions

- Calm
- Light breeze
- Gusty or High Winds

#### 3. Daytime Temp - past 48hrs:

- Cold (40s/50s)
- Cool (60s)
- Mild (70s)
- Warm (80s)
- Hot (90+)

#### 4. Sky Conditions - past 48hrs:

- Cloudy - Dry
- Sunny - Dry
- Light - Rain
- Heavy - Rain
- Stormy /Thunderstorms

### Water Observations

#### 1. Water Surface Conditions:

- Calm
- Ripples
- Waves
- White Caps

#### 2. Water Color:

- Clear
- Green Appearance
- Brown Appearance
- Gray Appearance

#### 3. Water Clarity:

- Clear
- Dark Colored
- Cloudy or Muddy

#### 4. Suspended Matter:

- None Visible
- Slight Amount
- Moderate Amount
- Substantial Amount

#### 5. Water Smell/Odor

- None
- Fishy Smell
- Musty Smell
- Rotten Egg-like Smell
- Septic-like Smell

#### 6. Other observations

- None
- Water bugs, surface bugs
- Dead Fish
- Leaves/Limbs/Debris
- Oil film
- Trash/debris from humans
- Algae Mats/Clumps
- Waterfowl

#### 7. Notes/Other Observations:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### Instrument Readings:

#### Anemometer Air Readings

Air temp: 59.0°F  
 Wind Speed: 8.9 mph  
 Wind Direction: 270°  
 (Compass Degrees)  
 Secchi Disk: 20.0 ft/  
 (Red Side of Tape Feet/Tenths)  
 Thermocline: NONE ft.  
 Lake Depth: 30.0 ft.

### Water Samples Collected:

Sample	Top	TClime	Bot
Chlor	<input checked="" type="checkbox"/>		
Phos	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Nitrate	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Equipment Check List:

- In-Situ Tech Support 800-446-7488**
- Troll 9500 & Rugged Reader (charge battery)
  - 50' Troll Cable
  - Stylus for Rugged Reader
  - Anemometer (Check Batteries)
  - Compass
  - GPS (Check Batteries)
  - Kit of Extra Batteries
  - Lake - Field Data Sheets – 4 copies
  - Notebook & pen for thermocline
  - Writing Pens
  - 2ft Measuring Stick
  - Sample Grabber Tool
  - Sample bottles
  - Cooler & Ice Packs
  - Sample Chain of Custody Form
  - First aid Kit
  - Aqua-scope Viewer
  - Van Dorn Grabber with Measure Tape/Release Line
  - Secchi Disk & Measure Tape
  - Anchor & 200 foot line
  - Camera (Optional)

**Note: Before leaving the site, make sure all fields are filled in.**

### Form Quality Signatures:

Form Filled In By:  
Ed Wentland

Reviewed/By:  
Al Huefner

Date: 10/17/11