

# CHAPTER 11

## IOWATER Field Report Forms

Habitat Assessment  
Chemical/Physical Assessment  
Standing Water Assessment





## Habitat Assessment

\* Recommended frequency – yearly, in the summer \*

\* Photographic documentation is recommended and strongly encouraged \*

Date \_\_\_\_\_ Time \_\_\_\_\_

IOWATER Monitor \_\_\_\_\_ # of Adults (incl. you) \_\_\_\_\_

Site Number \_\_\_\_\_ # of under 18 \_\_\_\_\_

Other Volunteers Involved \_\_\_\_\_

Was the stream dry when it was monitored? Yes \_\_\_\_\_ No \_\_\_\_\_

### Stream Habitat Type (at transect – check one)

Riffle \_\_\_\_\_ Run \_\_\_\_\_ Pool \_\_\_\_\_

### Streambed Substrate (along transect – estimate percentages)

- \_\_\_\_\_ % Bedrock – large sheets of stone.
- \_\_\_\_\_ % Boulder – stones larger than 10 inches in diameter
- \_\_\_\_\_ % Cobble – stones, diameter between 2.5 and 10 inches
- \_\_\_\_\_ % Gravel – 0.1 to 2 inch diameter
- \_\_\_\_\_ % Sand – smaller than 0.1 inches
- \_\_\_\_\_ % Mud/Silt – dirt or soil deposited on bottom of the stream
- \_\_\_\_\_ % Other – organic material like leaf litter, tree limbs, etc.
- 100% TOTAL**

### Microhabitats (check all present in stream reach)

- |                    |                                   |                              |
|--------------------|-----------------------------------|------------------------------|
| _____ Algae Mats   | _____ Sand                        | _____ Undercut Banks         |
| _____ Logjams      | _____ Junk (tires, garbage, etc.) | _____ Rip Rap                |
| _____ Root Wads    | _____ Leaf Packs                  | _____ Overhanging Vegetation |
| _____ Fallen Trees | _____ Rocks                       | _____ Other (describe) _____ |
| _____ Silt/Muck    | _____ Weed Beds                   |                              |

### Stream Banks (at transect – check all that apply)

#### **Left Bank** (facing upstream)

- \_\_\_\_\_ Cut Bank – Eroding
- \_\_\_\_\_ Cut Bank – Vegetated
- \_\_\_\_\_ Sloping Bank
- \_\_\_\_\_ Sand/Gravel Bar
- \_\_\_\_\_ Rip/Rap
- \_\_\_\_\_ Constructed Bank (i.e., drainage ditch)
- \_\_\_\_\_ Other: \_\_\_\_\_

#### **Right Bank** (facing upstream)

- \_\_\_\_\_ Cut Bank - Eroding
- \_\_\_\_\_ Cut Bank – Vegetated
- \_\_\_\_\_ Sloping Bank
- \_\_\_\_\_ Sand/Gravel Bar
- \_\_\_\_\_ Rip/Rap
- \_\_\_\_\_ Constructed Bank (i.e., drainage ditch)
- \_\_\_\_\_ Other: \_\_\_\_\_

**Canopy Cover** (over transect – check one)

0-25% \_\_\_\_\_ 25-50% \_\_\_\_\_ 50-75% \_\_\_\_\_ 75-100% \_\_\_\_\_

**Riparian Zone Width** (at transect – check one for each bank)

**Left Bank** (facing upstream)

\_\_\_\_\_ 0-5 meters  
\_\_\_\_\_ 5-25 meters  
\_\_\_\_\_ Over 25 meters

**Right Bank** (facing upstream)

\_\_\_\_\_ 0-5 meters  
\_\_\_\_\_ 5-25 meters  
\_\_\_\_\_ Over 25 meters

**Riparian Zone Plant Cover** (at transect – estimate percentage of each)

**Left Bank** (facing upstream)

\_\_\_\_\_ % Trees  
\_\_\_\_\_ % Shrubs / Low Trees  
\_\_\_\_\_ % Grass / Low Plants  
\_\_\_\_\_ % Exposed Soil  
\_\_\_\_\_ % Other (rip rap, concrete, etc.)

**100% TOTAL**

**Right Bank** (facing upstream)

\_\_\_\_\_ % Trees  
\_\_\_\_\_ % Shrubs / Low Trees  
\_\_\_\_\_ % Grass / Low Plants  
\_\_\_\_\_ % Exposed Soil  
\_\_\_\_\_ % Other (rip rap, concrete, etc.)

**100% TOTAL**

**Adjacent Land Use** (along stream reach – check all that apply)

\_\_\_\_\_ Row Crop    \_\_\_\_\_ Wetland    \_\_\_\_\_ Boating Accesses    \_\_\_\_\_ Rural Residential Areas  
\_\_\_\_\_ Pasture    \_\_\_\_\_ Prairie    \_\_\_\_\_ Nature Trails    \_\_\_\_\_ Conservation Lands  
\_\_\_\_\_ Urban    \_\_\_\_\_ Park    \_\_\_\_\_ Fence    \_\_\_\_\_ Animal Feeding  
\_\_\_\_\_ Industrial    \_\_\_\_\_ Playground    \_\_\_\_\_ Steep Slopes    \_\_\_\_\_ Operations/Lots  
\_\_\_\_\_ Timber    \_\_\_\_\_ Campground    \_\_\_\_\_ Stairs/Walkway    \_\_\_\_\_ Other \_\_\_\_\_

**Human Use Activities** (along stream reach – check all that apply)

*Please check activities you've participated in or witnessed at this site.*

\_\_\_\_\_ Swimming    \_\_\_\_\_ Wind Surfing    \_\_\_\_\_ Wading    \_\_\_\_\_ Fishing  
\_\_\_\_\_ Tubing    \_\_\_\_\_ Canoeing/Kayaking    \_\_\_\_\_ Rafting    \_\_\_\_\_ Kids Playing  
\_\_\_\_\_ Water Skiing    \_\_\_\_\_ Boating    \_\_\_\_\_ Hunting/Trapping    \_\_\_\_\_ Other \_\_\_\_\_

**Evidence of Human Use** (along stream reach – check all that apply)

*Please check evidence of human use you've witnessed at this site.*

\_\_\_\_\_ Streamside Roads    \_\_\_\_\_ Livestock Watering    \_\_\_\_\_ Camping Sites    \_\_\_\_\_ Evidence of  
\_\_\_\_\_ Footprints or Paths    \_\_\_\_\_ ATV/ORV Tracks    \_\_\_\_\_ Fire Pit/Ring    \_\_\_\_\_ Kid's Play  
\_\_\_\_\_ Dock/Platform    \_\_\_\_\_ Rope Swings    \_\_\_\_\_ Fishing Tackle    \_\_\_\_\_ Other \_\_\_\_\_

**Is this stream Intermittent or Perennial?** (along stream reach- check one)

Intermittent \_\_\_\_\_ Perennial \_\_\_\_\_

**Record all other land use practices that potentially could affect the stream.**

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



## Habitat Assessment

\* Recommended frequency – yearly, in the summer \*

\* Photographic documentation is recommended and strongly encouraged \*

Date \_\_\_\_\_ Time \_\_\_\_\_

IOWATER Monitor \_\_\_\_\_ # of Adults (incl. you) \_\_\_\_\_

Site Number \_\_\_\_\_ # of under 18 \_\_\_\_\_

Other Volunteers Involved \_\_\_\_\_

Was the stream dry when it was monitored? Yes \_\_\_\_\_ No \_\_\_\_\_

**Stream Habitat Type** (at transect – check one)

Riffle \_\_\_\_\_ Run \_\_\_\_\_ Pool \_\_\_\_\_

**Streambed Substrate** (along transect – estimate percentages)

- \_\_\_\_\_ % Bedrock – large sheets of stone.
- \_\_\_\_\_ % Boulder – stones larger than 10 inches in diameter
- \_\_\_\_\_ % Cobble – stones, diameter between 2.5 and 10 inches
- \_\_\_\_\_ % Gravel – 0.1 to 2 inch diameter
- \_\_\_\_\_ % Sand – smaller than 0.1 inches
- \_\_\_\_\_ % Mud/Silt – dirt or soil deposited on bottom of the stream
- \_\_\_\_\_ % Other – organic material like leaf litter, tree limbs, etc.
- 100% TOTAL**

**Microhabitats** (check all present in stream reach)

- |                    |                                   |                              |
|--------------------|-----------------------------------|------------------------------|
| _____ Algae Mats   | _____ Sand                        | _____ Undercut Banks         |
| _____ Logjams      | _____ Junk (tires, garbage, etc.) | _____ Rip Rap                |
| _____ Root Wads    | _____ Leaf Packs                  | _____ Overhanging Vegetation |
| _____ Fallen Trees | _____ Rocks                       | _____ Other (describe) _____ |
| _____ Silt/Muck    | _____ Weed Beds                   |                              |

**Stream Banks** (at transect – check all that apply)

**Left Bank** (facing upstream)

- \_\_\_\_\_ Cut Bank – Eroding
- \_\_\_\_\_ Cut Bank – Vegetated
- \_\_\_\_\_ Sloping Bank
- \_\_\_\_\_ Sand/Gravel Bar
- \_\_\_\_\_ Rip/Rap
- \_\_\_\_\_ Constructed Bank (i.e., drainage ditch)
- \_\_\_\_\_ Other: \_\_\_\_\_

**Right Bank** (facing upstream)

- \_\_\_\_\_ Cut Bank - Eroding
- \_\_\_\_\_ Cut Bank – Vegetated
- \_\_\_\_\_ Sloping Bank
- \_\_\_\_\_ Sand/Gravel Bar
- \_\_\_\_\_ Rip/Rap
- \_\_\_\_\_ Constructed Bank (i.e., drainage ditch)
- \_\_\_\_\_ Other: \_\_\_\_\_

**Canopy Cover** (over transect – check one)

0-25% \_\_\_\_\_ 25-50% \_\_\_\_\_ 50-75% \_\_\_\_\_ 75-100% \_\_\_\_\_

**Riparian Zone Width** (at transect – check one for each bank)

**Left Bank** (facing upstream)

\_\_\_\_\_ 0-5 meters  
\_\_\_\_\_ 5-25 meters  
\_\_\_\_\_ Over 25 meters

**Right Bank** (facing upstream)

\_\_\_\_\_ 0-5 meters  
\_\_\_\_\_ 5-25 meters  
\_\_\_\_\_ Over 25 meters

**Riparian Zone Plant Cover** (at transect – estimate percentage of each)

**Left Bank** (facing upstream)

\_\_\_\_\_ % Trees  
\_\_\_\_\_ % Shrubs / Low Trees  
\_\_\_\_\_ % Grass / Low Plants  
\_\_\_\_\_ % Exposed Soil  
\_\_\_\_\_ % Other (rip rap, concrete, etc.)

**100% TOTAL**

**Right Bank** (facing upstream)

\_\_\_\_\_ % Trees  
\_\_\_\_\_ % Shrubs / Low Trees  
\_\_\_\_\_ % Grass / Low Plants  
\_\_\_\_\_ % Exposed Soil  
\_\_\_\_\_ % Other (rip rap, concrete, etc.)

**100% TOTAL**

**Adjacent Land Use** (along stream reach – check all that apply)

\_\_\_\_\_ Row Crop    \_\_\_\_\_ Wetland    \_\_\_\_\_ Boating Accesses    \_\_\_\_\_ Rural Residential Areas  
\_\_\_\_\_ Pasture    \_\_\_\_\_ Prairie    \_\_\_\_\_ Nature Trails    \_\_\_\_\_ Conservation Lands  
\_\_\_\_\_ Urban    \_\_\_\_\_ Park    \_\_\_\_\_ Fence    \_\_\_\_\_ Animal Feeding  
\_\_\_\_\_ Industrial    \_\_\_\_\_ Playground    \_\_\_\_\_ Steep Slopes    \_\_\_\_\_ Operations/Lots  
\_\_\_\_\_ Timber    \_\_\_\_\_ Campground    \_\_\_\_\_ Stairs/Walkway    \_\_\_\_\_ Other \_\_\_\_\_

**Human Use Activities** (along stream reach – check all that apply)

*Please check activities you've participated in or witnessed at this site.*

\_\_\_\_\_ Swimming    \_\_\_\_\_ Wind Surfing    \_\_\_\_\_ Wading    \_\_\_\_\_ Fishing  
\_\_\_\_\_ Tubing    \_\_\_\_\_ Canoeing/Kayaking    \_\_\_\_\_ Rafting    \_\_\_\_\_ Kids Playing  
\_\_\_\_\_ Water Skiing    \_\_\_\_\_ Boating    \_\_\_\_\_ Hunting/Trapping    \_\_\_\_\_ Other \_\_\_\_\_

**Evidence of Human Use** (along stream reach – check all that apply)

*Please check evidence of human use you've witnessed at this site.*

\_\_\_\_\_ Streamside Roads    \_\_\_\_\_ Livestock Watering    \_\_\_\_\_ Camping Sites    \_\_\_\_\_ Evidence of  
\_\_\_\_\_ Footprints or Paths    \_\_\_\_\_ ATV/ORV Tracks    \_\_\_\_\_ Fire Pit/Ring    \_\_\_\_\_ Kid's Play  
\_\_\_\_\_ Dock/Platform    \_\_\_\_\_ Rope Swings    \_\_\_\_\_ Fishing Tackle    \_\_\_\_\_ Other \_\_\_\_\_

**Is this stream Intermittent or Perennial?** (along stream reach- check one)

Intermittent \_\_\_\_\_ Perennial \_\_\_\_\_

**Record all other land use practices that potentially could affect the stream.**

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



## Habitat Assessment

\* Recommended frequency – yearly, in the summer \*

\* Photographic documentation is recommended and strongly encouraged \*

Date \_\_\_\_\_ Time \_\_\_\_\_

IOWATER Monitor \_\_\_\_\_ # of Adults (incl. you) \_\_\_\_\_

Site Number \_\_\_\_\_ # of under 18 \_\_\_\_\_

Other Volunteers Involved \_\_\_\_\_

Was the stream dry when it was monitored? Yes \_\_\_\_\_ No \_\_\_\_\_

**Stream Habitat Type** (at transect – check one)

Riffle \_\_\_\_\_ Run \_\_\_\_\_ Pool \_\_\_\_\_

**Streambed Substrate** (along transect – estimate percentages)

- \_\_\_\_\_ % Bedrock – large sheets of stone.
- \_\_\_\_\_ % Boulder – stones larger than 10 inches in diameter
- \_\_\_\_\_ % Cobble – stones, diameter between 2.5 and 10 inches
- \_\_\_\_\_ % Gravel – 0.1 to 2 inch diameter
- \_\_\_\_\_ % Sand – smaller than 0.1 inches
- \_\_\_\_\_ % Mud/Silt – dirt or soil deposited on bottom of the stream
- \_\_\_\_\_ % Other – organic material like leaf litter, tree limbs, etc.
- 100% TOTAL**

**Microhabitats** (check all present in stream reach)

- |                    |                                   |                              |
|--------------------|-----------------------------------|------------------------------|
| _____ Algae Mats   | _____ Sand                        | _____ Undercut Banks         |
| _____ Logjams      | _____ Junk (tires, garbage, etc.) | _____ Rip Rap                |
| _____ Root Wads    | _____ Leaf Packs                  | _____ Overhanging Vegetation |
| _____ Fallen Trees | _____ Rocks                       | _____ Other (describe) _____ |
| _____ Silt/Muck    | _____ Weed Beds                   |                              |

**Stream Banks** (at transect – check all that apply)

**Left Bank** (facing upstream)

- \_\_\_\_\_ Cut Bank – Eroding
- \_\_\_\_\_ Cut Bank – Vegetated
- \_\_\_\_\_ Sloping Bank
- \_\_\_\_\_ Sand/Gravel Bar
- \_\_\_\_\_ Rip/Rap
- \_\_\_\_\_ Constructed Bank (i.e., drainage ditch)
- \_\_\_\_\_ Other: \_\_\_\_\_

**Right Bank** (facing upstream)

- \_\_\_\_\_ Cut Bank - Eroding
- \_\_\_\_\_ Cut Bank – Vegetated
- \_\_\_\_\_ Sloping Bank
- \_\_\_\_\_ Sand/Gravel Bar
- \_\_\_\_\_ Rip/Rap
- \_\_\_\_\_ Constructed Bank (i.e., drainage ditch)
- \_\_\_\_\_ Other: \_\_\_\_\_

**Canopy Cover** (over transect – check one)

0-25% \_\_\_\_\_ 25-50% \_\_\_\_\_ 50-75% \_\_\_\_\_ 75-100% \_\_\_\_\_

**Riparian Zone Width** (at transect – check one for each bank)

**Left Bank** (facing upstream)

\_\_\_\_\_ 0-5 meters  
\_\_\_\_\_ 5-25 meters  
\_\_\_\_\_ Over 25 meters

**Right Bank** (facing upstream)

\_\_\_\_\_ 0-5 meters  
\_\_\_\_\_ 5-25 meters  
\_\_\_\_\_ Over 25 meters

**Riparian Zone Plant Cover** (at transect – estimate percentage of each)

**Left Bank** (facing upstream)

\_\_\_\_\_ % Trees  
\_\_\_\_\_ % Shrubs / Low Trees  
\_\_\_\_\_ % Grass / Low Plants  
\_\_\_\_\_ % Exposed Soil  
\_\_\_\_\_ % Other (rip rap, concrete, etc.)

**100% TOTAL**

**Right Bank** (facing upstream)

\_\_\_\_\_ % Trees  
\_\_\_\_\_ % Shrubs / Low Trees  
\_\_\_\_\_ % Grass / Low Plants  
\_\_\_\_\_ % Exposed Soil  
\_\_\_\_\_ % Other (rip rap, concrete, etc.)

**100% TOTAL**

**Adjacent Land Use** (along stream reach – check all that apply)

\_\_\_\_\_ Row Crop    \_\_\_\_\_ Wetland    \_\_\_\_\_ Boating Accesses    \_\_\_\_\_ Rural Residential Areas  
\_\_\_\_\_ Pasture    \_\_\_\_\_ Prairie    \_\_\_\_\_ Nature Trails    \_\_\_\_\_ Conservation Lands  
\_\_\_\_\_ Urban    \_\_\_\_\_ Park    \_\_\_\_\_ Fence    \_\_\_\_\_ Animal Feeding  
\_\_\_\_\_ Industrial    \_\_\_\_\_ Playground    \_\_\_\_\_ Steep Slopes    \_\_\_\_\_ Operations/Lots  
\_\_\_\_\_ Timber    \_\_\_\_\_ Campground    \_\_\_\_\_ Stairs/Walkway    \_\_\_\_\_ Other \_\_\_\_\_

**Human Use Activities** (along stream reach – check all that apply)

*Please check activities you've participated in or witnessed at this site.*

\_\_\_\_\_ Swimming    \_\_\_\_\_ Wind Surfing    \_\_\_\_\_ Wading    \_\_\_\_\_ Fishing  
\_\_\_\_\_ Tubing    \_\_\_\_\_ Canoeing/Kayaking    \_\_\_\_\_ Rafting    \_\_\_\_\_ Kids Playing  
\_\_\_\_\_ Water Skiing    \_\_\_\_\_ Boating    \_\_\_\_\_ Hunting/Trapping    \_\_\_\_\_ Other \_\_\_\_\_

**Evidence of Human Use** (along stream reach – check all that apply)

*Please check evidence of human use you've witnessed at this site.*

\_\_\_\_\_ Streamside Roads    \_\_\_\_\_ Livestock Watering    \_\_\_\_\_ Camping Sites    \_\_\_\_\_ Evidence of  
\_\_\_\_\_ Footprints or Paths    \_\_\_\_\_ ATV/ORV Tracks    \_\_\_\_\_ Fire Pit/Ring    \_\_\_\_\_ Kid's Play  
\_\_\_\_\_ Dock/Platform    \_\_\_\_\_ Rope Swings    \_\_\_\_\_ Fishing Tackle    \_\_\_\_\_ Other \_\_\_\_\_

**Is this stream Intermittent or Perennial?** (along stream reach- check one)

Intermittent \_\_\_\_\_ Perennial \_\_\_\_\_

**Record all other land use practices that potentially could affect the stream.**

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



## Habitat Assessment

\* Recommended frequency – yearly, in the summer \*

\* Photographic documentation is recommended and strongly encouraged \*

Date \_\_\_\_\_ Time \_\_\_\_\_

IOWATER Monitor \_\_\_\_\_ # of Adults (incl. you) \_\_\_\_\_

Site Number \_\_\_\_\_ # of under 18 \_\_\_\_\_

Other Volunteers Involved \_\_\_\_\_

Was the stream dry when it was monitored? Yes \_\_\_\_\_ No \_\_\_\_\_

### Stream Habitat Type (at transect – check one)

Riffle \_\_\_\_\_ Run \_\_\_\_\_ Pool \_\_\_\_\_

### Streambed Substrate (along transect – estimate percentages)

- \_\_\_\_\_ % Bedrock – large sheets of stone.
- \_\_\_\_\_ % Boulder – stones larger than 10 inches in diameter
- \_\_\_\_\_ % Cobble – stones, diameter between 2.5 and 10 inches
- \_\_\_\_\_ % Gravel – 0.1 to 2 inch diameter
- \_\_\_\_\_ % Sand – smaller than 0.1 inches
- \_\_\_\_\_ % Mud/Silt – dirt or soil deposited on bottom of the stream
- \_\_\_\_\_ % Other – organic material like leaf litter, tree limbs, etc.
- 100% TOTAL**

### Microhabitats (check all present in stream reach)

- |                    |                                   |                              |
|--------------------|-----------------------------------|------------------------------|
| _____ Algae Mats   | _____ Sand                        | _____ Undercut Banks         |
| _____ Logjams      | _____ Junk (tires, garbage, etc.) | _____ Rip Rap                |
| _____ Root Wads    | _____ Leaf Packs                  | _____ Overhanging Vegetation |
| _____ Fallen Trees | _____ Rocks                       | _____ Other (describe) _____ |
| _____ Silt/Muck    | _____ Weed Beds                   |                              |

### Stream Banks (at transect – check all that apply)

#### **Left Bank** (facing upstream)

- \_\_\_\_\_ Cut Bank – Eroding
- \_\_\_\_\_ Cut Bank – Vegetated
- \_\_\_\_\_ Sloping Bank
- \_\_\_\_\_ Sand/Gravel Bar
- \_\_\_\_\_ Rip/Rap
- \_\_\_\_\_ Constructed Bank (i.e., drainage ditch)
- \_\_\_\_\_ Other: \_\_\_\_\_

#### **Right Bank** (facing upstream)

- \_\_\_\_\_ Cut Bank - Eroding
- \_\_\_\_\_ Cut Bank – Vegetated
- \_\_\_\_\_ Sloping Bank
- \_\_\_\_\_ Sand/Gravel Bar
- \_\_\_\_\_ Rip/Rap
- \_\_\_\_\_ Constructed Bank (i.e., drainage ditch)
- \_\_\_\_\_ Other: \_\_\_\_\_

**Canopy Cover** (over transect – check one)

0-25% \_\_\_\_\_ 25-50% \_\_\_\_\_ 50-75% \_\_\_\_\_ 75-100% \_\_\_\_\_

**Riparian Zone Width** (at transect – check one for each bank)

**Left Bank** (facing upstream)

\_\_\_\_\_ 0-5 meters  
\_\_\_\_\_ 5-25 meters  
\_\_\_\_\_ Over 25 meters

**Right Bank** (facing upstream)

\_\_\_\_\_ 0-5 meters  
\_\_\_\_\_ 5-25 meters  
\_\_\_\_\_ Over 25 meters

**Riparian Zone Plant Cover** (at transect – estimate percentage of each)

**Left Bank** (facing upstream)

\_\_\_\_\_ % Trees  
\_\_\_\_\_ % Shrubs / Low Trees  
\_\_\_\_\_ % Grass / Low Plants  
\_\_\_\_\_ % Exposed Soil  
\_\_\_\_\_ % Other (rip rap, concrete, etc.)

**100% TOTAL**

**Right Bank** (facing upstream)

\_\_\_\_\_ % Trees  
\_\_\_\_\_ % Shrubs / Low Trees  
\_\_\_\_\_ % Grass / Low Plants  
\_\_\_\_\_ % Exposed Soil  
\_\_\_\_\_ % Other (rip rap, concrete, etc.)

**100% TOTAL**

**Adjacent Land Use** (along stream reach – check all that apply)

\_\_\_\_\_ Row Crop    \_\_\_\_\_ Wetland    \_\_\_\_\_ Boating Accesses    \_\_\_\_\_ Rural Residential Areas  
\_\_\_\_\_ Pasture    \_\_\_\_\_ Prairie    \_\_\_\_\_ Nature Trails    \_\_\_\_\_ Conservation Lands  
\_\_\_\_\_ Urban    \_\_\_\_\_ Park    \_\_\_\_\_ Fence    \_\_\_\_\_ Animal Feeding  
\_\_\_\_\_ Industrial    \_\_\_\_\_ Playground    \_\_\_\_\_ Steep Slopes    \_\_\_\_\_ Operations/Lots  
\_\_\_\_\_ Timber    \_\_\_\_\_ Campground    \_\_\_\_\_ Stairs/Walkway    \_\_\_\_\_ Other \_\_\_\_\_

**Human Use Activities** (along stream reach – check all that apply)

*Please check activities you've participated in or witnessed at this site.*

\_\_\_\_\_ Swimming    \_\_\_\_\_ Wind Surfing    \_\_\_\_\_ Wading    \_\_\_\_\_ Fishing  
\_\_\_\_\_ Tubing    \_\_\_\_\_ Canoeing/Kayaking    \_\_\_\_\_ Rafting    \_\_\_\_\_ Kids Playing  
\_\_\_\_\_ Water Skiing    \_\_\_\_\_ Boating    \_\_\_\_\_ Hunting/Trapping    \_\_\_\_\_ Other \_\_\_\_\_

**Evidence of Human Use** (along stream reach – check all that apply)

*Please check evidence of human use you've witnessed at this site.*

\_\_\_\_\_ Streamside Roads    \_\_\_\_\_ Livestock Watering    \_\_\_\_\_ Camping Sites    \_\_\_\_\_ Evidence of  
\_\_\_\_\_ Footprints or Paths    \_\_\_\_\_ ATV/ORV Tracks    \_\_\_\_\_ Fire Pit/Ring    \_\_\_\_\_ Kid's Play  
\_\_\_\_\_ Dock/Platform    \_\_\_\_\_ Rope Swings    \_\_\_\_\_ Fishing Tackle    \_\_\_\_\_ Other \_\_\_\_\_

**Is this stream Intermittent or Perennial?** (along stream reach- check one)

Intermittent \_\_\_\_\_ Perennial \_\_\_\_\_

**Record all other land use practices that potentially could affect the stream.**

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



## Habitat Assessment

\* Recommended frequency – yearly, in the summer \*

\* Photographic documentation is recommended and strongly encouraged \*

Date \_\_\_\_\_ Time \_\_\_\_\_

IOWATER Monitor \_\_\_\_\_ # of Adults (incl. you) \_\_\_\_\_

Site Number \_\_\_\_\_ # of under 18 \_\_\_\_\_

Other Volunteers Involved \_\_\_\_\_

Was the stream dry when it was monitored? Yes \_\_\_\_\_ No \_\_\_\_\_

**Stream Habitat Type** (at transect – check one)

Riffle \_\_\_\_\_ Run \_\_\_\_\_ Pool \_\_\_\_\_

**Streambed Substrate** (along transect – estimate percentages)

- \_\_\_\_\_ % Bedrock – large sheets of stone.
- \_\_\_\_\_ % Boulder – stones larger than 10 inches in diameter
- \_\_\_\_\_ % Cobble – stones, diameter between 2.5 and 10 inches
- \_\_\_\_\_ % Gravel – 0.1 to 2 inch diameter
- \_\_\_\_\_ % Sand – smaller than 0.1 inches
- \_\_\_\_\_ % Mud/Silt – dirt or soil deposited on bottom of the stream
- \_\_\_\_\_ % Other – organic material like leaf litter, tree limbs, etc.
- 100% TOTAL**

**Microhabitats** (check all present in stream reach)

- |                    |                                   |                              |
|--------------------|-----------------------------------|------------------------------|
| _____ Algae Mats   | _____ Sand                        | _____ Undercut Banks         |
| _____ Logjams      | _____ Junk (tires, garbage, etc.) | _____ Rip Rap                |
| _____ Root Wads    | _____ Leaf Packs                  | _____ Overhanging Vegetation |
| _____ Fallen Trees | _____ Rocks                       | _____ Other (describe) _____ |
| _____ Silt/Muck    | _____ Weed Beds                   |                              |

**Stream Banks** (at transect – check all that apply)

**Left Bank** (facing upstream)

- \_\_\_\_\_ Cut Bank – Eroding
- \_\_\_\_\_ Cut Bank – Vegetated
- \_\_\_\_\_ Sloping Bank
- \_\_\_\_\_ Sand/Gravel Bar
- \_\_\_\_\_ Rip/Rap
- \_\_\_\_\_ Constructed Bank (i.e., drainage ditch)
- \_\_\_\_\_ Other: \_\_\_\_\_

**Right Bank** (facing upstream)

- \_\_\_\_\_ Cut Bank - Eroding
- \_\_\_\_\_ Cut Bank – Vegetated
- \_\_\_\_\_ Sloping Bank
- \_\_\_\_\_ Sand/Gravel Bar
- \_\_\_\_\_ Rip/Rap
- \_\_\_\_\_ Constructed Bank (i.e., drainage ditch)
- \_\_\_\_\_ Other: \_\_\_\_\_

**Canopy Cover** (over transect – check one)

0-25% \_\_\_\_\_ 25-50% \_\_\_\_\_ 50-75% \_\_\_\_\_ 75-100% \_\_\_\_\_

**Riparian Zone Width** (at transect – check one for each bank)

**Left Bank** (facing upstream)

\_\_\_\_\_ 0-5 meters  
\_\_\_\_\_ 5-25 meters  
\_\_\_\_\_ Over 25 meters

**Right Bank** (facing upstream)

\_\_\_\_\_ 0-5 meters  
\_\_\_\_\_ 5-25 meters  
\_\_\_\_\_ Over 25 meters

**Riparian Zone Plant Cover** (at transect – estimate percentage of each)

**Left Bank** (facing upstream)

\_\_\_\_\_ % Trees  
\_\_\_\_\_ % Shrubs / Low Trees  
\_\_\_\_\_ % Grass / Low Plants  
\_\_\_\_\_ % Exposed Soil  
\_\_\_\_\_ % Other (rip rap, concrete, etc.)

**100% TOTAL**

**Right Bank** (facing upstream)

\_\_\_\_\_ % Trees  
\_\_\_\_\_ % Shrubs / Low Trees  
\_\_\_\_\_ % Grass / Low Plants  
\_\_\_\_\_ % Exposed Soil  
\_\_\_\_\_ % Other (rip rap, concrete, etc.)

**100% TOTAL**

**Adjacent Land Use** (along stream reach – check all that apply)

\_\_\_\_\_ Row Crop    \_\_\_\_\_ Wetland    \_\_\_\_\_ Boating Accesses    \_\_\_\_\_ Rural Residential Areas  
\_\_\_\_\_ Pasture    \_\_\_\_\_ Prairie    \_\_\_\_\_ Nature Trails    \_\_\_\_\_ Conservation Lands  
\_\_\_\_\_ Urban    \_\_\_\_\_ Park    \_\_\_\_\_ Fence    \_\_\_\_\_ Animal Feeding  
\_\_\_\_\_ Industrial    \_\_\_\_\_ Playground    \_\_\_\_\_ Steep Slopes    \_\_\_\_\_ Operations/Lots  
\_\_\_\_\_ Timber    \_\_\_\_\_ Campground    \_\_\_\_\_ Stairs/Walkway    \_\_\_\_\_ Other \_\_\_\_\_

**Human Use Activities** (along stream reach – check all that apply)

*Please check activities you've participated in or witnessed at this site.*

\_\_\_\_\_ Swimming    \_\_\_\_\_ Wind Surfing    \_\_\_\_\_ Wading    \_\_\_\_\_ Fishing  
\_\_\_\_\_ Tubing    \_\_\_\_\_ Canoeing/Kayaking    \_\_\_\_\_ Rafting    \_\_\_\_\_ Kids Playing  
\_\_\_\_\_ Water Skiing    \_\_\_\_\_ Boating    \_\_\_\_\_ Hunting/Trapping    \_\_\_\_\_ Other \_\_\_\_\_

**Evidence of Human Use** (along stream reach – check all that apply)

*Please check evidence of human use you've witnessed at this site.*

\_\_\_\_\_ Streamside Roads    \_\_\_\_\_ Livestock Watering    \_\_\_\_\_ Camping Sites    \_\_\_\_\_ Evidence of  
\_\_\_\_\_ Footprints or Paths    \_\_\_\_\_ ATV/ORV Tracks    \_\_\_\_\_ Fire Pit/Ring    \_\_\_\_\_ Kid's Play  
\_\_\_\_\_ Dock/Platform    \_\_\_\_\_ Rope Swings    \_\_\_\_\_ Fishing Tackle    \_\_\_\_\_ Other \_\_\_\_\_

**Is this stream Intermittent or Perennial?** (along stream reach- check one)

Intermittent \_\_\_\_\_ Perennial \_\_\_\_\_

**Record all other land use practices that potentially could affect the stream.**

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



## Habitat Assessment

\* Recommended frequency – yearly, in the summer \*

\* Photographic documentation is recommended and strongly encouraged \*

Date \_\_\_\_\_ Time \_\_\_\_\_

IOWATER Monitor \_\_\_\_\_ # of Adults (incl. you) \_\_\_\_\_

Site Number \_\_\_\_\_ # of under 18 \_\_\_\_\_

Other Volunteers Involved \_\_\_\_\_

Was the stream dry when it was monitored? Yes \_\_\_\_\_ No \_\_\_\_\_

**Stream Habitat Type** (at transect – check one)

Riffle \_\_\_\_\_ Run \_\_\_\_\_ Pool \_\_\_\_\_

**Streambed Substrate** (along transect – estimate percentages)

- \_\_\_\_\_ % Bedrock – large sheets of stone.
- \_\_\_\_\_ % Boulder – stones larger than 10 inches in diameter
- \_\_\_\_\_ % Cobble – stones, diameter between 2.5 and 10 inches
- \_\_\_\_\_ % Gravel – 0.1 to 2 inch diameter
- \_\_\_\_\_ % Sand – smaller than 0.1 inches
- \_\_\_\_\_ % Mud/Silt – dirt or soil deposited on bottom of the stream
- \_\_\_\_\_ % Other – organic material like leaf litter, tree limbs, etc.
- 100% TOTAL**

**Microhabitats** (check all present in stream reach)

- |                    |                                   |                              |
|--------------------|-----------------------------------|------------------------------|
| _____ Algae Mats   | _____ Sand                        | _____ Undercut Banks         |
| _____ Logjams      | _____ Junk (tires, garbage, etc.) | _____ Rip Rap                |
| _____ Root Wads    | _____ Leaf Packs                  | _____ Overhanging Vegetation |
| _____ Fallen Trees | _____ Rocks                       | _____ Other (describe) _____ |
| _____ Silt/Muck    | _____ Weed Beds                   |                              |

**Stream Banks** (at transect – check all that apply)

**Left Bank** (facing upstream)

- \_\_\_\_\_ Cut Bank – Eroding
- \_\_\_\_\_ Cut Bank – Vegetated
- \_\_\_\_\_ Sloping Bank
- \_\_\_\_\_ Sand/Gravel Bar
- \_\_\_\_\_ Rip/Rap
- \_\_\_\_\_ Constructed Bank (i.e., drainage ditch)
- \_\_\_\_\_ Other: \_\_\_\_\_

**Right Bank** (facing upstream)

- \_\_\_\_\_ Cut Bank - Eroding
- \_\_\_\_\_ Cut Bank – Vegetated
- \_\_\_\_\_ Sloping Bank
- \_\_\_\_\_ Sand/Gravel Bar
- \_\_\_\_\_ Rip/Rap
- \_\_\_\_\_ Constructed Bank (i.e., drainage ditch)
- \_\_\_\_\_ Other: \_\_\_\_\_

**Canopy Cover** (over transect – check one)

0-25% \_\_\_\_\_ 25-50% \_\_\_\_\_ 50-75% \_\_\_\_\_ 75-100% \_\_\_\_\_

**Riparian Zone Width** (at transect – check one for each bank)

**Left Bank** (facing upstream)

\_\_\_\_\_ 0-5 meters  
\_\_\_\_\_ 5-25 meters  
\_\_\_\_\_ Over 25 meters

**Right Bank** (facing upstream)

\_\_\_\_\_ 0-5 meters  
\_\_\_\_\_ 5-25 meters  
\_\_\_\_\_ Over 25 meters

**Riparian Zone Plant Cover** (at transect – estimate percentage of each)

**Left Bank** (facing upstream)

\_\_\_\_\_ % Trees  
\_\_\_\_\_ % Shrubs / Low Trees  
\_\_\_\_\_ % Grass / Low Plants  
\_\_\_\_\_ % Exposed Soil  
\_\_\_\_\_ % Other (rip rap, concrete, etc.)

**100% TOTAL**

**Right Bank** (facing upstream)

\_\_\_\_\_ % Trees  
\_\_\_\_\_ % Shrubs / Low Trees  
\_\_\_\_\_ % Grass / Low Plants  
\_\_\_\_\_ % Exposed Soil  
\_\_\_\_\_ % Other (rip rap, concrete, etc.)

**100% TOTAL**

**Adjacent Land Use** (along stream reach – check all that apply)

\_\_\_\_\_ Row Crop    \_\_\_\_\_ Wetland    \_\_\_\_\_ Boating Accesses    \_\_\_\_\_ Rural Residential Areas  
\_\_\_\_\_ Pasture    \_\_\_\_\_ Prairie    \_\_\_\_\_ Nature Trails    \_\_\_\_\_ Conservation Lands  
\_\_\_\_\_ Urban    \_\_\_\_\_ Park    \_\_\_\_\_ Fence    \_\_\_\_\_ Animal Feeding  
\_\_\_\_\_ Industrial    \_\_\_\_\_ Playground    \_\_\_\_\_ Steep Slopes    \_\_\_\_\_ Operations/Lots  
\_\_\_\_\_ Timber    \_\_\_\_\_ Campground    \_\_\_\_\_ Stairs/Walkway    \_\_\_\_\_ Other \_\_\_\_\_

**Human Use Activities** (along stream reach – check all that apply)

*Please check activities you've participated in or witnessed at this site.*

\_\_\_\_\_ Swimming    \_\_\_\_\_ Wind Surfing    \_\_\_\_\_ Wading    \_\_\_\_\_ Fishing  
\_\_\_\_\_ Tubing    \_\_\_\_\_ Canoeing/Kayaking    \_\_\_\_\_ Rafting    \_\_\_\_\_ Kids Playing  
\_\_\_\_\_ Water Skiing    \_\_\_\_\_ Boating    \_\_\_\_\_ Hunting/Trapping    \_\_\_\_\_ Other \_\_\_\_\_

**Evidence of Human Use** (along stream reach – check all that apply)

*Please check evidence of human use you've witnessed at this site.*

\_\_\_\_\_ Streamside Roads    \_\_\_\_\_ Livestock Watering    \_\_\_\_\_ Camping Sites    \_\_\_\_\_ Evidence of  
\_\_\_\_\_ Footprints or Paths    \_\_\_\_\_ ATV/ORV Tracks    \_\_\_\_\_ Fire Pit/Ring    \_\_\_\_\_ Kid's Play  
\_\_\_\_\_ Dock/Platform    \_\_\_\_\_ Rope Swings    \_\_\_\_\_ Fishing Tackle    \_\_\_\_\_ Other \_\_\_\_\_

**Is this stream Intermittent or Perennial?** (along stream reach- check one)

Intermittent \_\_\_\_\_ Perennial \_\_\_\_\_

**Record all other land use practices that potentially could affect the stream.**

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



## Chemical / Physical Assessment

\* Recommended frequency – monthly \*

Date \_\_\_\_\_ Time \_\_\_\_\_

IOWATER Monitor \_\_\_\_\_ # of Adults (incl. you) \_\_\_\_\_

Site Number \_\_\_\_\_ # of under 18 \_\_\_\_\_

Other Volunteers Involved \_\_\_\_\_

Was the stream dry when it was monitored? Yes \_\_\_\_\_ No \_\_\_\_\_

### Weather (check all that apply)

Sunny \_\_\_\_\_ Partly Sunny \_\_\_\_\_ Cloudy \_\_\_\_\_ Rain/Snow \_\_\_\_\_ Windy \_\_\_\_\_ Calm \_\_\_\_\_

### Water Color (check all that apply)

Clear \_\_\_\_\_ Brown \_\_\_\_\_ Green \_\_\_\_\_ Oily \_\_\_\_\_ Reddish \_\_\_\_\_ Blackish \_\_\_\_\_ Milky \_\_\_\_\_ Gray \_\_\_\_\_

### Water Odor (check all that apply)

None \_\_\_\_\_ Sewage/Manure \_\_\_\_\_ Rotten Eggs \_\_\_\_\_ Petroleum \_\_\_\_\_ Musky \_\_\_\_\_

Air Temperature \_\_\_\_\_ °Fahrenheit

Precipitation \_\_\_\_\_ inches over the last 24 hours

### Transparency (record whole numbers only – no tenths)

\_\_\_\_\_ centimeters

### pH

Expiration date on bottom of bottle \_\_\_\_\_

check one – 4 \_\_\_\_\_ 5 \_\_\_\_\_ 6 \_\_\_\_\_ 7 \_\_\_\_\_ 8 \_\_\_\_\_ 9 \_\_\_\_\_

### Nitrite-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_\_\_ 0.15 \_\_\_\_\_ 0.3 \_\_\_\_\_ 1.0 \_\_\_\_\_ 1.5 \_\_\_\_\_ 3 \_\_\_\_\_

### Nitrate-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_\_\_ 1 \_\_\_\_\_ 2 \_\_\_\_\_ 5 \_\_\_\_\_ 10 \_\_\_\_\_ 20 \_\_\_\_\_ 50 \_\_\_\_\_

**Dissolved Oxygen** (mg/L)

Expiration date on back of color comparator \_\_\_\_\_  
check one – 1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 8 \_\_\_ 10 \_\_\_ 12 \_\_\_

**Phosphate** (mg/L)

Expiration date on back of color comparator \_\_\_\_\_  
Expiration date on round color comparator \_\_\_\_\_  
Expiration date on activator solution \_\_\_\_\_  
check one – 0 \_\_\_ 0.1 \_\_\_ 0.2 \_\_\_ 0.3 \_\_\_ 0.4 \_\_\_ 0.6 \_\_\_ 0.8 \_\_\_  
1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 10 \_\_\_

**Chloride**

Expiration date on bottom of bottle \_\_\_\_\_  
\_\_\_\_\_ mg/L – Convert Quantab Units to mg/L using the chart provided on the bottle

**Water Temperature**

\_\_\_\_\_ °Fahrenheit

**Stream Width**

\_\_\_\_.\_\_\_\_ meters

**Maximum Stream Depth** (along your transect)

\_\_\_\_.\_\_\_\_ meters

**Stream Flow** (along your transect)

\_\_\_\_\_ high          \_\_\_\_\_ normal          \_\_\_\_\_ low          \_\_\_\_\_ not sure

**Stream Depth** (in meters, don't forget to convert from cm to m, 1 cm = 0.01 m)

1<sup>st</sup> Spot \_\_\_\_\_.\_\_\_\_      5<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      9<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      13<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
2<sup>nd</sup> Spot \_\_\_\_\_.\_\_\_\_      6<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      10<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      14<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
3<sup>rd</sup> Spot \_\_\_\_\_.\_\_\_\_      7<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      11<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      15<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
4<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      8<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      12<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_

**Stream Velocity** (in seconds)

1<sup>st</sup> Spot \_\_\_\_\_      5<sup>th</sup> Spot \_\_\_\_\_      9<sup>th</sup> Spot \_\_\_\_\_      13<sup>th</sup> Spot \_\_\_\_\_  
2<sup>nd</sup> Spot \_\_\_\_\_      6<sup>th</sup> Spot \_\_\_\_\_      10<sup>th</sup> Spot \_\_\_\_\_      14<sup>th</sup> Spot \_\_\_\_\_  
3<sup>rd</sup> Spot \_\_\_\_\_      7<sup>th</sup> Spot \_\_\_\_\_      11<sup>th</sup> Spot \_\_\_\_\_      15<sup>th</sup> Spot \_\_\_\_\_  
4<sup>th</sup> Spot \_\_\_\_\_      8<sup>th</sup> Spot \_\_\_\_\_      12<sup>th</sup> Spot \_\_\_\_\_

**Other Stream Assessment Observations and Notes**

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



## Chemical / Physical Assessment

\* Recommended frequency – monthly \*

Date \_\_\_\_\_ Time \_\_\_\_\_

IOWATER Monitor \_\_\_\_\_ # of Adults (incl. you) \_\_\_\_\_

Site Number \_\_\_\_\_ # of under 18 \_\_\_\_\_

Other Volunteers Involved \_\_\_\_\_

Was the stream dry when it was monitored? Yes \_\_\_\_\_ No \_\_\_\_\_

### Weather (check all that apply)

Sunny \_\_\_\_\_ Partly Sunny \_\_\_\_\_ Cloudy \_\_\_\_\_ Rain/Snow \_\_\_\_\_ Windy \_\_\_\_\_ Calm \_\_\_\_\_

### Water Color (check all that apply)

Clear \_\_\_\_\_ Brown \_\_\_\_\_ Green \_\_\_\_\_ Oily \_\_\_\_\_ Reddish \_\_\_\_\_ Blackish \_\_\_\_\_ Milky \_\_\_\_\_ Gray \_\_\_\_\_

### Water Odor (check all that apply)

None \_\_\_\_\_ Sewage/Manure \_\_\_\_\_ Rotten Eggs \_\_\_\_\_ Petroleum \_\_\_\_\_ Musky \_\_\_\_\_

Air Temperature \_\_\_\_\_ °Fahrenheit

Precipitation \_\_\_\_\_ inches over the last 24 hours

Transparency (record whole numbers only – no tenths)

\_\_\_\_\_ centimeters

### pH

Expiration date on bottom of bottle \_\_\_\_\_

check one – 4 \_\_\_\_\_ 5 \_\_\_\_\_ 6 \_\_\_\_\_ 7 \_\_\_\_\_ 8 \_\_\_\_\_ 9 \_\_\_\_\_

### Nitrite-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_\_\_ 0.15 \_\_\_\_\_ 0.3 \_\_\_\_\_ 1.0 \_\_\_\_\_ 1.5 \_\_\_\_\_ 3 \_\_\_\_\_

### Nitrate-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_\_\_ 1 \_\_\_\_\_ 2 \_\_\_\_\_ 5 \_\_\_\_\_ 10 \_\_\_\_\_ 20 \_\_\_\_\_ 50 \_\_\_\_\_

**Dissolved Oxygen** (mg/L)

Expiration date on back of color comparator \_\_\_\_\_  
check one – 1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 8 \_\_\_ 10 \_\_\_ 12 \_\_\_

**Phosphate** (mg/L)

Expiration date on back of color comparator \_\_\_\_\_  
Expiration date on round color comparator \_\_\_\_\_  
Expiration date on activator solution \_\_\_\_\_  
check one – 0 \_\_\_ 0.1 \_\_\_ 0.2 \_\_\_ 0.3 \_\_\_ 0.4 \_\_\_ 0.6 \_\_\_ 0.8 \_\_\_  
1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 10 \_\_\_

**Chloride**

Expiration date on bottom of bottle \_\_\_\_\_  
\_\_\_\_\_ mg/L – Convert Quantab Units to mg/L using the chart provided on the bottle

**Water Temperature**

\_\_\_\_\_ °Fahrenheit

**Stream Width**

\_\_\_\_.\_\_\_\_ meters

**Maximum Stream Depth** (along your transect)

\_\_\_\_.\_\_\_\_ meters

**Stream Flow** (along your transect)

\_\_\_\_\_ high          \_\_\_\_\_ normal          \_\_\_\_\_ low          \_\_\_\_\_ not sure

**Stream Depth** (in meters, don't forget to convert from cm to m, 1 cm = 0.01 m)

1<sup>st</sup> Spot \_\_\_\_\_.\_\_\_\_      5<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      9<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      13<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
2<sup>nd</sup> Spot \_\_\_\_\_.\_\_\_\_      6<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      10<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      14<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
3<sup>rd</sup> Spot \_\_\_\_\_.\_\_\_\_      7<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      11<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      15<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
4<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      8<sup>h</sup> Spot \_\_\_\_\_.\_\_\_\_      12<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_

**Stream Velocity** (in seconds)

1<sup>st</sup> Spot \_\_\_\_\_      5<sup>th</sup> Spot \_\_\_\_\_      9<sup>th</sup> Spot \_\_\_\_\_      13<sup>th</sup> Spot \_\_\_\_\_  
2<sup>nd</sup> Spot \_\_\_\_\_      6<sup>th</sup> Spot \_\_\_\_\_      10<sup>th</sup> Spot \_\_\_\_\_      14<sup>th</sup> Spot \_\_\_\_\_  
3<sup>rd</sup> Spot \_\_\_\_\_      7<sup>th</sup> Spot \_\_\_\_\_      11<sup>th</sup> Spot \_\_\_\_\_      15<sup>th</sup> Spot \_\_\_\_\_  
4<sup>th</sup> Spot \_\_\_\_\_      8<sup>th</sup> Spot \_\_\_\_\_      12<sup>th</sup> Spot \_\_\_\_\_

**Other Stream Assessment Observations and Notes**

---

---

---

---



## Chemical / Physical Assessment

\* Recommended frequency – monthly \*

Date \_\_\_\_\_ Time \_\_\_\_\_

IOWATER Monitor \_\_\_\_\_ # of Adults (incl. you) \_\_\_\_\_

Site Number \_\_\_\_\_ # of under 18 \_\_\_\_\_

Other Volunteers Involved \_\_\_\_\_

Was the stream dry when it was monitored? Yes \_\_\_\_\_ No \_\_\_\_\_

### Weather (check all that apply)

Sunny \_\_\_\_\_ Partly Sunny \_\_\_\_\_ Cloudy \_\_\_\_\_ Rain/Snow \_\_\_\_\_ Windy \_\_\_\_\_ Calm \_\_\_\_\_

### Water Color (check all that apply)

Clear \_\_\_\_\_ Brown \_\_\_\_\_ Green \_\_\_\_\_ Oily \_\_\_\_\_ Reddish \_\_\_\_\_ Blackish \_\_\_\_\_ Milky \_\_\_\_\_ Gray \_\_\_\_\_

### Water Odor (check all that apply)

None \_\_\_\_\_ Sewage/Manure \_\_\_\_\_ Rotten Eggs \_\_\_\_\_ Petroleum \_\_\_\_\_ Musky \_\_\_\_\_

Air Temperature \_\_\_\_\_ °Fahrenheit

Precipitation \_\_\_\_\_ inches over the last 24 hours

### Transparency (record whole numbers only – no tenths)

\_\_\_\_\_ centimeters

### pH

Expiration date on bottom of bottle \_\_\_\_\_

check one – 4 \_\_\_\_\_ 5 \_\_\_\_\_ 6 \_\_\_\_\_ 7 \_\_\_\_\_ 8 \_\_\_\_\_ 9 \_\_\_\_\_

### Nitrite-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_\_\_ 0.15 \_\_\_\_\_ 0.3 \_\_\_\_\_ 1.0 \_\_\_\_\_ 1.5 \_\_\_\_\_ 3 \_\_\_\_\_

### Nitrate-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_\_\_ 1 \_\_\_\_\_ 2 \_\_\_\_\_ 5 \_\_\_\_\_ 10 \_\_\_\_\_ 20 \_\_\_\_\_ 50 \_\_\_\_\_

**Dissolved Oxygen** (mg/L)

Expiration date on back of color comparator \_\_\_\_\_  
check one – 1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 8 \_\_\_ 10 \_\_\_ 12 \_\_\_

**Phosphate** (mg/L)

Expiration date on back of color comparator \_\_\_\_\_  
Expiration date on round color comparator \_\_\_\_\_  
Expiration date on activator solution \_\_\_\_\_  
check one – 0 \_\_\_ 0.1 \_\_\_ 0.2 \_\_\_ 0.3 \_\_\_ 0.4 \_\_\_ 0.6 \_\_\_ 0.8 \_\_\_  
1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 10 \_\_\_

**Chloride**

Expiration date on bottom of bottle \_\_\_\_\_  
\_\_\_\_\_ mg/L – Convert Quantab Units to mg/L using the chart provided on the bottle

**Water Temperature**

\_\_\_\_\_ °Fahrenheit

**Stream Width**

\_\_\_\_.\_\_\_\_ meters

**Maximum Stream Depth** (along your transect)

\_\_\_\_.\_\_\_\_ meters

**Stream Flow** (along your transect)

\_\_\_\_\_ high          \_\_\_\_\_ normal          \_\_\_\_\_ low          \_\_\_\_\_ not sure

**Stream Depth** (in meters, don't forget to convert from cm to m, 1 cm = 0.01 m)

1<sup>st</sup> Spot \_\_\_\_\_.\_\_\_\_      5<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      9<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      13<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
2<sup>nd</sup> Spot \_\_\_\_\_.\_\_\_\_      6<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      10<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      14<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
3<sup>rd</sup> Spot \_\_\_\_\_.\_\_\_\_      7<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      11<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      15<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
4<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      8<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      12<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_

**Stream Velocity** (in seconds)

1<sup>st</sup> Spot \_\_\_\_\_      5<sup>th</sup> Spot \_\_\_\_\_      9<sup>th</sup> Spot \_\_\_\_\_      13<sup>th</sup> Spot \_\_\_\_\_  
2<sup>nd</sup> Spot \_\_\_\_\_      6<sup>th</sup> Spot \_\_\_\_\_      10<sup>th</sup> Spot \_\_\_\_\_      14<sup>th</sup> Spot \_\_\_\_\_  
3<sup>rd</sup> Spot \_\_\_\_\_      7<sup>th</sup> Spot \_\_\_\_\_      11<sup>th</sup> Spot \_\_\_\_\_      15<sup>th</sup> Spot \_\_\_\_\_  
4<sup>th</sup> Spot \_\_\_\_\_      8<sup>th</sup> Spot \_\_\_\_\_      12<sup>th</sup> Spot \_\_\_\_\_

**Other Stream Assessment Observations and Notes**

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



## Chemical / Physical Assessment

\* Recommended frequency – monthly \*

Date \_\_\_\_\_ Time \_\_\_\_\_

IOWATER Monitor \_\_\_\_\_ # of Adults (incl. you) \_\_\_\_\_

Site Number \_\_\_\_\_ # of under 18 \_\_\_\_\_

Other Volunteers Involved \_\_\_\_\_

Was the stream dry when it was monitored? Yes \_\_\_\_\_ No \_\_\_\_\_

### Weather (check all that apply)

Sunny \_\_\_\_\_ Partly Sunny \_\_\_\_\_ Cloudy \_\_\_\_\_ Rain/Snow \_\_\_\_\_ Windy \_\_\_\_\_ Calm \_\_\_\_\_

### Water Color (check all that apply)

Clear \_\_\_\_\_ Brown \_\_\_\_\_ Green \_\_\_\_\_ Oily \_\_\_\_\_ Reddish \_\_\_\_\_ Blackish \_\_\_\_\_ Milky \_\_\_\_\_ Gray \_\_\_\_\_

### Water Odor (check all that apply)

None \_\_\_\_\_ Sewage/Manure \_\_\_\_\_ Rotten Eggs \_\_\_\_\_ Petroleum \_\_\_\_\_ Musky \_\_\_\_\_

Air Temperature \_\_\_\_\_ °Fahrenheit

Precipitation \_\_\_\_\_ inches over the last 24 hours

### Transparency (record whole numbers only – no tenths)

\_\_\_\_\_ centimeters

### pH

Expiration date on bottom of bottle \_\_\_\_\_

check one – 4 \_\_\_\_\_ 5 \_\_\_\_\_ 6 \_\_\_\_\_ 7 \_\_\_\_\_ 8 \_\_\_\_\_ 9 \_\_\_\_\_

### Nitrite-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_\_\_ 0.15 \_\_\_\_\_ 0.3 \_\_\_\_\_ 1.0 \_\_\_\_\_ 1.5 \_\_\_\_\_ 3 \_\_\_\_\_

### Nitrate-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_\_\_ 1 \_\_\_\_\_ 2 \_\_\_\_\_ 5 \_\_\_\_\_ 10 \_\_\_\_\_ 20 \_\_\_\_\_ 50 \_\_\_\_\_

**Dissolved Oxygen** (mg/L)

Expiration date on back of color comparator \_\_\_\_\_  
check one – 1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 8 \_\_\_ 10 \_\_\_ 12 \_\_\_

**Phosphate** (mg/L)

Expiration date on back of color comparator \_\_\_\_\_  
Expiration date on round color comparator \_\_\_\_\_  
Expiration date on activator solution \_\_\_\_\_  
check one – 0 \_\_\_ 0.1 \_\_\_ 0.2 \_\_\_ 0.3 \_\_\_ 0.4 \_\_\_ 0.6 \_\_\_ 0.8 \_\_\_  
1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 10 \_\_\_

**Chloride**

Expiration date on bottom of bottle \_\_\_\_\_  
\_\_\_\_\_ mg/L – Convert Quantab Units to mg/L using the chart provided on the bottle

**Water Temperature**

\_\_\_\_\_ °Fahrenheit

**Stream Width**

\_\_\_\_.\_\_\_\_ meters

**Maximum Stream Depth** (along your transect)

\_\_\_\_.\_\_\_\_ meters

**Stream Flow** (along your transect)

\_\_\_\_\_ high          \_\_\_\_\_ normal          \_\_\_\_\_ low          \_\_\_\_\_ not sure

**Stream Depth** (in meters, don't forget to convert from cm to m, 1 cm = 0.01 m)

1<sup>st</sup> Spot \_\_\_\_\_.\_\_\_\_      5<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      9<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      13<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
2<sup>nd</sup> Spot \_\_\_\_\_.\_\_\_\_      6<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      10<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      14<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
3<sup>rd</sup> Spot \_\_\_\_\_.\_\_\_\_      7<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      11<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      15<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
4<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      8<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      12<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_

**Stream Velocity** (in seconds)

1<sup>st</sup> Spot \_\_\_\_\_      5<sup>th</sup> Spot \_\_\_\_\_      9<sup>th</sup> Spot \_\_\_\_\_      13<sup>th</sup> Spot \_\_\_\_\_  
2<sup>nd</sup> Spot \_\_\_\_\_      6<sup>th</sup> Spot \_\_\_\_\_      10<sup>th</sup> Spot \_\_\_\_\_      14<sup>th</sup> Spot \_\_\_\_\_  
3<sup>rd</sup> Spot \_\_\_\_\_      7<sup>th</sup> Spot \_\_\_\_\_      11<sup>th</sup> Spot \_\_\_\_\_      15<sup>th</sup> Spot \_\_\_\_\_  
4<sup>th</sup> Spot \_\_\_\_\_      8<sup>th</sup> Spot \_\_\_\_\_      12<sup>th</sup> Spot \_\_\_\_\_

**Other Stream Assessment Observations and Notes**

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



## Chemical / Physical Assessment

\* Recommended frequency – monthly \*

Date \_\_\_\_\_ Time \_\_\_\_\_

IOWATER Monitor \_\_\_\_\_ # of Adults (incl. you) \_\_\_\_\_

Site Number \_\_\_\_\_ # of under 18 \_\_\_\_\_

Other Volunteers Involved \_\_\_\_\_

Was the stream dry when it was monitored? Yes \_\_\_\_\_ No \_\_\_\_\_

### Weather (check all that apply)

Sunny \_\_\_\_\_ Partly Sunny \_\_\_\_\_ Cloudy \_\_\_\_\_ Rain/Snow \_\_\_\_\_ Windy \_\_\_\_\_ Calm \_\_\_\_\_

### Water Color (check all that apply)

Clear \_\_\_\_\_ Brown \_\_\_\_\_ Green \_\_\_\_\_ Oily \_\_\_\_\_ Reddish \_\_\_\_\_ Blackish \_\_\_\_\_ Milky \_\_\_\_\_ Gray \_\_\_\_\_

### Water Odor (check all that apply)

None \_\_\_\_\_ Sewage/Manure \_\_\_\_\_ Rotten Eggs \_\_\_\_\_ Petroleum \_\_\_\_\_ Musky \_\_\_\_\_

Air Temperature \_\_\_\_\_ °Fahrenheit

Precipitation \_\_\_\_\_ inches over the last 24 hours

### Transparency (record whole numbers only – no tenths)

\_\_\_\_\_ centimeters

### pH

Expiration date on bottom of bottle \_\_\_\_\_

check one – 4 \_\_\_\_\_ 5 \_\_\_\_\_ 6 \_\_\_\_\_ 7 \_\_\_\_\_ 8 \_\_\_\_\_ 9 \_\_\_\_\_

### Nitrite-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_\_\_ 0.15 \_\_\_\_\_ 0.3 \_\_\_\_\_ 1.0 \_\_\_\_\_ 1.5 \_\_\_\_\_ 3 \_\_\_\_\_

### Nitrate-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_\_\_ 1 \_\_\_\_\_ 2 \_\_\_\_\_ 5 \_\_\_\_\_ 10 \_\_\_\_\_ 20 \_\_\_\_\_ 50 \_\_\_\_\_

**Dissolved Oxygen** (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

check one – 1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 8 \_\_\_ 10 \_\_\_ 12 \_\_\_

**Phosphate** (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

Expiration date on round color comparator \_\_\_\_\_

Expiration date on activator solution \_\_\_\_\_

check one – 0 \_\_\_ 0.1 \_\_\_ 0.2 \_\_\_ 0.3 \_\_\_ 0.4 \_\_\_ 0.6 \_\_\_ 0.8 \_\_\_  
1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 10 \_\_\_

**Chloride**

Expiration date on bottom of bottle \_\_\_\_\_

\_\_\_\_\_ mg/L – Convert Quantab Units to mg/L using the chart provided on the bottle

**Water Temperature**

\_\_\_\_\_ °Fahrenheit

**Stream Width**

\_\_\_\_.\_\_\_\_ meters

**Maximum Stream Depth** (along your transect)

\_\_\_\_.\_\_\_\_ meters

**Stream Flow** (along your transect)

\_\_\_\_\_ high          \_\_\_\_\_ normal          \_\_\_\_\_ low          \_\_\_\_\_ not sure

**Stream Depth** (in meters, don't forget to convert from cm to m, 1 cm = 0.01 m)

1<sup>st</sup> Spot \_\_\_\_\_.\_\_\_\_      5<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      9<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      13<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
2<sup>nd</sup> Spot \_\_\_\_\_.\_\_\_\_      6<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      10<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      14<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
3<sup>rd</sup> Spot \_\_\_\_\_.\_\_\_\_      7<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      11<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      15<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
4<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      8<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      12<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_

**Stream Velocity** (in seconds)

1<sup>st</sup> Spot \_\_\_\_\_      5<sup>th</sup> Spot \_\_\_\_\_      9<sup>th</sup> Spot \_\_\_\_\_      13<sup>th</sup> Spot \_\_\_\_\_  
2<sup>nd</sup> Spot \_\_\_\_\_      6<sup>th</sup> Spot \_\_\_\_\_      10<sup>th</sup> Spot \_\_\_\_\_      14<sup>th</sup> Spot \_\_\_\_\_  
3<sup>rd</sup> Spot \_\_\_\_\_      7<sup>th</sup> Spot \_\_\_\_\_      11<sup>th</sup> Spot \_\_\_\_\_      15<sup>th</sup> Spot \_\_\_\_\_  
4<sup>th</sup> Spot \_\_\_\_\_      8<sup>th</sup> Spot \_\_\_\_\_      12<sup>th</sup> Spot \_\_\_\_\_

**Other Stream Assessment Observations and Notes**

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



## Chemical / Physical Assessment

\* Recommended frequency – monthly \*

Date \_\_\_\_\_ Time \_\_\_\_\_

IOWATER Monitor \_\_\_\_\_ # of Adults (incl. you) \_\_\_\_\_

Site Number \_\_\_\_\_ # of under 18 \_\_\_\_\_

Other Volunteers Involved \_\_\_\_\_

Was the stream dry when it was monitored? Yes \_\_\_\_\_ No \_\_\_\_\_

### Weather (check all that apply)

Sunny \_\_\_\_\_ Partly Sunny \_\_\_\_\_ Cloudy \_\_\_\_\_ Rain/Snow \_\_\_\_\_ Windy \_\_\_\_\_ Calm \_\_\_\_\_

### Water Color (check all that apply)

Clear \_\_\_\_\_ Brown \_\_\_\_\_ Green \_\_\_\_\_ Oily \_\_\_\_\_ Reddish \_\_\_\_\_ Blackish \_\_\_\_\_ Milky \_\_\_\_\_ Gray \_\_\_\_\_

### Water Odor (check all that apply)

None \_\_\_\_\_ Sewage/Manure \_\_\_\_\_ Rotten Eggs \_\_\_\_\_ Petroleum \_\_\_\_\_ Musky \_\_\_\_\_

Air Temperature \_\_\_\_\_ °Fahrenheit

Precipitation \_\_\_\_\_ inches over the last 24 hours

### Transparency (record whole numbers only – no tenths)

\_\_\_\_\_ centimeters

### pH

Expiration date on bottom of bottle \_\_\_\_\_

check one – 4 \_\_\_\_\_ 5 \_\_\_\_\_ 6 \_\_\_\_\_ 7 \_\_\_\_\_ 8 \_\_\_\_\_ 9 \_\_\_\_\_

### Nitrite-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_\_\_ 0.15 \_\_\_\_\_ 0.3 \_\_\_\_\_ 1.0 \_\_\_\_\_ 1.5 \_\_\_\_\_ 3 \_\_\_\_\_

### Nitrate-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_\_\_ 1 \_\_\_\_\_ 2 \_\_\_\_\_ 5 \_\_\_\_\_ 10 \_\_\_\_\_ 20 \_\_\_\_\_ 50 \_\_\_\_\_

**Dissolved Oxygen** (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

check one – 1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 8 \_\_\_ 10 \_\_\_ 12 \_\_\_

**Phosphate** (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

Expiration date on round color comparator \_\_\_\_\_

Expiration date on activator solution \_\_\_\_\_

check one – 0 \_\_\_ 0.1 \_\_\_ 0.2 \_\_\_ 0.3 \_\_\_ 0.4 \_\_\_ 0.6 \_\_\_ 0.8 \_\_\_  
1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 10 \_\_\_

**Chloride**

Expiration date on bottom of bottle \_\_\_\_\_

\_\_\_\_\_ mg/L – Convert Quantab Units to mg/L using the chart provided on the bottle

**Water Temperature**

\_\_\_\_\_ °Fahrenheit

**Stream Width**

\_\_\_\_.\_\_\_\_ meters

**Maximum Stream Depth** (along your transect)

\_\_\_\_.\_\_\_\_ meters

**Stream Flow** (along your transect)

\_\_\_\_\_ high          \_\_\_\_\_ normal          \_\_\_\_\_ low          \_\_\_\_\_ not sure

**Stream Depth** (in meters, don't forget to convert from cm to m, 1 cm = 0.01 m)

1<sup>st</sup> Spot \_\_\_\_\_.\_\_\_\_      5<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      9<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      13<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
2<sup>nd</sup> Spot \_\_\_\_\_.\_\_\_\_      6<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      10<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      14<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
3<sup>rd</sup> Spot \_\_\_\_\_.\_\_\_\_      7<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      11<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      15<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
4<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      8<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      12<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_

**Stream Velocity** (in seconds)

1<sup>st</sup> Spot \_\_\_\_\_      5<sup>th</sup> Spot \_\_\_\_\_      9<sup>th</sup> Spot \_\_\_\_\_      13<sup>th</sup> Spot \_\_\_\_\_  
2<sup>nd</sup> Spot \_\_\_\_\_      6<sup>th</sup> Spot \_\_\_\_\_      10<sup>th</sup> Spot \_\_\_\_\_      14<sup>th</sup> Spot \_\_\_\_\_  
3<sup>rd</sup> Spot \_\_\_\_\_      7<sup>th</sup> Spot \_\_\_\_\_      11<sup>th</sup> Spot \_\_\_\_\_      15<sup>th</sup> Spot \_\_\_\_\_  
4<sup>th</sup> Spot \_\_\_\_\_      8<sup>th</sup> Spot \_\_\_\_\_      12<sup>th</sup> Spot \_\_\_\_\_

**Other Stream Assessment Observations and Notes**

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



## Chemical / Physical Assessment

\* Recommended frequency – monthly \*

Date \_\_\_\_\_ Time \_\_\_\_\_

IOWATER Monitor \_\_\_\_\_ # of Adults (incl. you) \_\_\_\_\_

Site Number \_\_\_\_\_ # of under 18 \_\_\_\_\_

Other Volunteers Involved \_\_\_\_\_

Was the stream dry when it was monitored? Yes \_\_\_\_\_ No \_\_\_\_\_

### Weather (check all that apply)

Sunny \_\_\_\_\_ Partly Sunny \_\_\_\_\_ Cloudy \_\_\_\_\_ Rain/Snow \_\_\_\_\_ Windy \_\_\_\_\_ Calm \_\_\_\_\_

### Water Color (check all that apply)

Clear \_\_\_\_\_ Brown \_\_\_\_\_ Green \_\_\_\_\_ Oily \_\_\_\_\_ Reddish \_\_\_\_\_ Blackish \_\_\_\_\_ Milky \_\_\_\_\_ Gray \_\_\_\_\_

### Water Odor (check all that apply)

None \_\_\_\_\_ Sewage/Manure \_\_\_\_\_ Rotten Eggs \_\_\_\_\_ Petroleum \_\_\_\_\_ Musky \_\_\_\_\_

Air Temperature \_\_\_\_\_ °Fahrenheit

Precipitation \_\_\_\_\_ inches over the last 24 hours

### Transparency (record whole numbers only – no tenths)

\_\_\_\_\_ centimeters

### pH

Expiration date on bottom of bottle \_\_\_\_\_

check one – 4 \_\_\_\_\_ 5 \_\_\_\_\_ 6 \_\_\_\_\_ 7 \_\_\_\_\_ 8 \_\_\_\_\_ 9 \_\_\_\_\_

### Nitrite-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_\_\_ 0.15 \_\_\_\_\_ 0.3 \_\_\_\_\_ 1.0 \_\_\_\_\_ 1.5 \_\_\_\_\_ 3 \_\_\_\_\_

### Nitrate-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_\_\_ 1 \_\_\_\_\_ 2 \_\_\_\_\_ 5 \_\_\_\_\_ 10 \_\_\_\_\_ 20 \_\_\_\_\_ 50 \_\_\_\_\_

**Dissolved Oxygen** (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

check one – 1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 8 \_\_\_ 10 \_\_\_ 12 \_\_\_

**Phosphate** (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

Expiration date on round color comparator \_\_\_\_\_

Expiration date on activator solution \_\_\_\_\_

check one – 0 \_\_\_ 0.1 \_\_\_ 0.2 \_\_\_ 0.3 \_\_\_ 0.4 \_\_\_ 0.6 \_\_\_ 0.8 \_\_\_  
1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 10 \_\_\_

**Chloride**

Expiration date on bottom of bottle \_\_\_\_\_

\_\_\_\_\_ mg/L – Convert Quantab Units to mg/L using the chart provided on the bottle

**Water Temperature**

\_\_\_\_\_ °Fahrenheit

**Stream Width**

\_\_\_\_.\_\_\_\_ meters

**Maximum Stream Depth** (along your transect)

\_\_\_\_.\_\_\_\_ meters

**Stream Flow** (along your transect)

\_\_\_\_\_ high          \_\_\_\_\_ normal          \_\_\_\_\_ low          \_\_\_\_\_ not sure

**Stream Depth** (in meters, don't forget to convert from cm to m, 1 cm = 0.01 m)

1<sup>st</sup> Spot \_\_\_\_\_.\_\_\_\_      5<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      9<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      13<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
2<sup>nd</sup> Spot \_\_\_\_\_.\_\_\_\_      6<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      10<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      14<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
3<sup>rd</sup> Spot \_\_\_\_\_.\_\_\_\_      7<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      11<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      15<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
4<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      8<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      12<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_

**Stream Velocity** (in seconds)

1<sup>st</sup> Spot \_\_\_\_\_      5<sup>th</sup> Spot \_\_\_\_\_      9<sup>th</sup> Spot \_\_\_\_\_      13<sup>th</sup> Spot \_\_\_\_\_  
2<sup>nd</sup> Spot \_\_\_\_\_      6<sup>th</sup> Spot \_\_\_\_\_      10<sup>th</sup> Spot \_\_\_\_\_      14<sup>th</sup> Spot \_\_\_\_\_  
3<sup>rd</sup> Spot \_\_\_\_\_      7<sup>th</sup> Spot \_\_\_\_\_      11<sup>th</sup> Spot \_\_\_\_\_      15<sup>th</sup> Spot \_\_\_\_\_  
4<sup>th</sup> Spot \_\_\_\_\_      8<sup>th</sup> Spot \_\_\_\_\_      12<sup>th</sup> Spot \_\_\_\_\_

**Other Stream Assessment Observations and Notes**

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



## Chemical / Physical Assessment

\* Recommended frequency – monthly \*

Date \_\_\_\_\_ Time \_\_\_\_\_

IOWATER Monitor \_\_\_\_\_ # of Adults (incl. you) \_\_\_\_\_

Site Number \_\_\_\_\_ # of under 18 \_\_\_\_\_

Other Volunteers Involved \_\_\_\_\_

Was the stream dry when it was monitored? Yes \_\_\_\_\_ No \_\_\_\_\_

### Weather (check all that apply)

Sunny \_\_\_\_\_ Partly Sunny \_\_\_\_\_ Cloudy \_\_\_\_\_ Rain/Snow \_\_\_\_\_ Windy \_\_\_\_\_ Calm \_\_\_\_\_

### Water Color (check all that apply)

Clear \_\_\_\_\_ Brown \_\_\_\_\_ Green \_\_\_\_\_ Oily \_\_\_\_\_ Reddish \_\_\_\_\_ Blackish \_\_\_\_\_ Milky \_\_\_\_\_ Gray \_\_\_\_\_

### Water Odor (check all that apply)

None \_\_\_\_\_ Sewage/Manure \_\_\_\_\_ Rotten Eggs \_\_\_\_\_ Petroleum \_\_\_\_\_ Musky \_\_\_\_\_

Air Temperature \_\_\_\_\_ °Fahrenheit

Precipitation \_\_\_\_\_ inches over the last 24 hours

### Transparency (record whole numbers only – no tenths)

\_\_\_\_\_ centimeters

### pH

Expiration date on bottom of bottle \_\_\_\_\_

check one – 4 \_\_\_\_\_ 5 \_\_\_\_\_ 6 \_\_\_\_\_ 7 \_\_\_\_\_ 8 \_\_\_\_\_ 9 \_\_\_\_\_

### Nitrite-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_\_\_ 0.15 \_\_\_\_\_ 0.3 \_\_\_\_\_ 1.0 \_\_\_\_\_ 1.5 \_\_\_\_\_ 3 \_\_\_\_\_

### Nitrate-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_\_\_ 1 \_\_\_\_\_ 2 \_\_\_\_\_ 5 \_\_\_\_\_ 10 \_\_\_\_\_ 20 \_\_\_\_\_ 50 \_\_\_\_\_

**Dissolved Oxygen** (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

check one – 1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 8 \_\_\_ 10 \_\_\_ 12 \_\_\_

**Phosphate** (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

Expiration date on round color comparator \_\_\_\_\_

Expiration date on activator solution \_\_\_\_\_

check one – 0 \_\_\_ 0.1 \_\_\_ 0.2 \_\_\_ 0.3 \_\_\_ 0.4 \_\_\_ 0.6 \_\_\_ 0.8 \_\_\_  
1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 10 \_\_\_

**Chloride**

Expiration date on bottom of bottle \_\_\_\_\_

\_\_\_\_\_ mg/L – Convert Quantab Units to mg/L using the chart provided on the bottle

**Water Temperature**

\_\_\_\_\_ °Fahrenheit

**Stream Width**

\_\_\_\_.\_\_\_\_ meters

**Maximum Stream Depth** (along your transect)

\_\_\_\_.\_\_\_\_ meters

**Stream Flow** (along your transect)

\_\_\_\_\_ high          \_\_\_\_\_ normal          \_\_\_\_\_ low          \_\_\_\_\_ not sure

**Stream Depth** (in meters, don't forget to convert from cm to m, 1 cm = 0.01 m)

1<sup>st</sup> Spot \_\_\_\_\_.\_\_\_\_      5<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      9<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      13<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
2<sup>nd</sup> Spot \_\_\_\_\_.\_\_\_\_      6<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      10<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      14<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
3<sup>rd</sup> Spot \_\_\_\_\_.\_\_\_\_      7<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      11<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      15<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
4<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      8<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      12<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_

**Stream Velocity** (in seconds)

1<sup>st</sup> Spot \_\_\_\_\_      5<sup>th</sup> Spot \_\_\_\_\_      9<sup>th</sup> Spot \_\_\_\_\_      13<sup>th</sup> Spot \_\_\_\_\_  
2<sup>nd</sup> Spot \_\_\_\_\_      6<sup>th</sup> Spot \_\_\_\_\_      10<sup>th</sup> Spot \_\_\_\_\_      14<sup>th</sup> Spot \_\_\_\_\_  
3<sup>rd</sup> Spot \_\_\_\_\_      7<sup>th</sup> Spot \_\_\_\_\_      11<sup>th</sup> Spot \_\_\_\_\_      15<sup>th</sup> Spot \_\_\_\_\_  
4<sup>th</sup> Spot \_\_\_\_\_      8<sup>th</sup> Spot \_\_\_\_\_      12<sup>th</sup> Spot \_\_\_\_\_

**Other Stream Assessment Observations and Notes**

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



## Chemical / Physical Assessment

\* Recommended frequency – monthly \*

Date \_\_\_\_\_ Time \_\_\_\_\_

IOWATER Monitor \_\_\_\_\_ # of Adults (incl. you) \_\_\_\_\_

Site Number \_\_\_\_\_ # of under 18 \_\_\_\_\_

Other Volunteers Involved \_\_\_\_\_

Was the stream dry when it was monitored? Yes \_\_\_\_\_ No \_\_\_\_\_

### Weather (check all that apply)

Sunny \_\_\_\_\_ Partly Sunny \_\_\_\_\_ Cloudy \_\_\_\_\_ Rain/Snow \_\_\_\_\_ Windy \_\_\_\_\_ Calm \_\_\_\_\_

### Water Color (check all that apply)

Clear \_\_\_\_\_ Brown \_\_\_\_\_ Green \_\_\_\_\_ Oily \_\_\_\_\_ Reddish \_\_\_\_\_ Blackish \_\_\_\_\_ Milky \_\_\_\_\_ Gray \_\_\_\_\_

### Water Odor (check all that apply)

None \_\_\_\_\_ Sewage/Manure \_\_\_\_\_ Rotten Eggs \_\_\_\_\_ Petroleum \_\_\_\_\_ Musky \_\_\_\_\_

Air Temperature \_\_\_\_\_ °Fahrenheit

Precipitation \_\_\_\_\_ inches over the last 24 hours

Transparency (record whole numbers only – no tenths)

\_\_\_\_\_ centimeters

### pH

Expiration date on bottom of bottle \_\_\_\_\_

check one – 4 \_\_\_\_\_ 5 \_\_\_\_\_ 6 \_\_\_\_\_ 7 \_\_\_\_\_ 8 \_\_\_\_\_ 9 \_\_\_\_\_

### Nitrite-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_\_\_ 0.15 \_\_\_\_\_ 0.3 \_\_\_\_\_ 1.0 \_\_\_\_\_ 1.5 \_\_\_\_\_ 3 \_\_\_\_\_

### Nitrate-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_\_\_ 1 \_\_\_\_\_ 2 \_\_\_\_\_ 5 \_\_\_\_\_ 10 \_\_\_\_\_ 20 \_\_\_\_\_ 50 \_\_\_\_\_

**Dissolved Oxygen** (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

check one – 1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 8 \_\_\_ 10 \_\_\_ 12 \_\_\_

**Phosphate** (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

Expiration date on round color comparator \_\_\_\_\_

Expiration date on activator solution \_\_\_\_\_

check one – 0 \_\_\_ 0.1 \_\_\_ 0.2 \_\_\_ 0.3 \_\_\_ 0.4 \_\_\_ 0.6 \_\_\_ 0.8 \_\_\_  
1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 10 \_\_\_

**Chloride**

Expiration date on bottom of bottle \_\_\_\_\_

\_\_\_\_\_ mg/L – Convert Quantab Units to mg/L using the chart provided on the bottle

**Water Temperature**

\_\_\_\_\_ °Fahrenheit

**Stream Width**

\_\_\_\_.\_\_\_\_ meters

**Maximum Stream Depth** (along your transect)

\_\_\_\_.\_\_\_\_ meters

**Stream Flow** (along your transect)

\_\_\_\_\_ high          \_\_\_\_\_ normal          \_\_\_\_\_ low          \_\_\_\_\_ not sure

**Stream Depth** (in meters, don't forget to convert from cm to m, 1 cm = 0.01 m)

1<sup>st</sup> Spot \_\_\_\_\_.\_\_\_\_      5<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      9<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      13<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
2<sup>nd</sup> Spot \_\_\_\_\_.\_\_\_\_      6<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      10<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      14<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
3<sup>rd</sup> Spot \_\_\_\_\_.\_\_\_\_      7<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      11<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      15<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
4<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      8<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      12<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_

**Stream Velocity** (in seconds)

1<sup>st</sup> Spot \_\_\_\_\_      5<sup>th</sup> Spot \_\_\_\_\_      9<sup>th</sup> Spot \_\_\_\_\_      13<sup>th</sup> Spot \_\_\_\_\_  
2<sup>nd</sup> Spot \_\_\_\_\_      6<sup>th</sup> Spot \_\_\_\_\_      10<sup>th</sup> Spot \_\_\_\_\_      14<sup>th</sup> Spot \_\_\_\_\_  
3<sup>rd</sup> Spot \_\_\_\_\_      7<sup>th</sup> Spot \_\_\_\_\_      11<sup>th</sup> Spot \_\_\_\_\_      15<sup>th</sup> Spot \_\_\_\_\_  
4<sup>th</sup> Spot \_\_\_\_\_      8<sup>th</sup> Spot \_\_\_\_\_      12<sup>th</sup> Spot \_\_\_\_\_

**Other Stream Assessment Observations and Notes**

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



## Chemical / Physical Assessment

\* Recommended frequency – monthly \*

Date \_\_\_\_\_ Time \_\_\_\_\_

IOWATER Monitor \_\_\_\_\_ # of Adults (incl. you) \_\_\_\_\_

Site Number \_\_\_\_\_ # of under 18 \_\_\_\_\_

Other Volunteers Involved \_\_\_\_\_

Was the stream dry when it was monitored? Yes \_\_\_\_\_ No \_\_\_\_\_

### Weather (check all that apply)

Sunny \_\_\_\_\_ Partly Sunny \_\_\_\_\_ Cloudy \_\_\_\_\_ Rain/Snow \_\_\_\_\_ Windy \_\_\_\_\_ Calm \_\_\_\_\_

### Water Color (check all that apply)

Clear \_\_\_\_\_ Brown \_\_\_\_\_ Green \_\_\_\_\_ Oily \_\_\_\_\_ Reddish \_\_\_\_\_ Blackish \_\_\_\_\_ Milky \_\_\_\_\_ Gray \_\_\_\_\_

### Water Odor (check all that apply)

None \_\_\_\_\_ Sewage/Manure \_\_\_\_\_ Rotten Eggs \_\_\_\_\_ Petroleum \_\_\_\_\_ Musky \_\_\_\_\_

Air Temperature \_\_\_\_\_ °Fahrenheit

Precipitation \_\_\_\_\_ inches over the last 24 hours

### Transparency (record whole numbers only – no tenths)

\_\_\_\_\_ centimeters

### pH

Expiration date on bottom of bottle \_\_\_\_\_

check one – 4 \_\_\_\_\_ 5 \_\_\_\_\_ 6 \_\_\_\_\_ 7 \_\_\_\_\_ 8 \_\_\_\_\_ 9 \_\_\_\_\_

### Nitrite-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_\_\_ 0.15 \_\_\_\_\_ 0.3 \_\_\_\_\_ 1.0 \_\_\_\_\_ 1.5 \_\_\_\_\_ 3 \_\_\_\_\_

### Nitrate-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_\_\_ 1 \_\_\_\_\_ 2 \_\_\_\_\_ 5 \_\_\_\_\_ 10 \_\_\_\_\_ 20 \_\_\_\_\_ 50 \_\_\_\_\_

**Dissolved Oxygen** (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

check one – 1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 8 \_\_\_ 10 \_\_\_ 12 \_\_\_

**Phosphate** (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

Expiration date on round color comparator \_\_\_\_\_

Expiration date on activator solution \_\_\_\_\_

check one – 0 \_\_\_ 0.1 \_\_\_ 0.2 \_\_\_ 0.3 \_\_\_ 0.4 \_\_\_ 0.6 \_\_\_ 0.8 \_\_\_  
1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 10 \_\_\_

**Chloride**

Expiration date on bottom of bottle \_\_\_\_\_

\_\_\_\_\_ mg/L – Convert Quantab Units to mg/L using the chart provided on the bottle

**Water Temperature**

\_\_\_\_\_ °Fahrenheit

**Stream Width**

\_\_\_\_.\_\_\_\_ meters

**Maximum Stream Depth** (along your transect)

\_\_\_\_.\_\_\_\_ meters

**Stream Flow** (along your transect)

\_\_\_\_\_ high          \_\_\_\_\_ normal          \_\_\_\_\_ low          \_\_\_\_\_ not sure

**Stream Depth** (in meters, don't forget to convert from cm to m, 1 cm = 0.01 m)

1<sup>st</sup> Spot \_\_\_\_\_.\_\_\_\_      5<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      9<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      13<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
2<sup>nd</sup> Spot \_\_\_\_\_.\_\_\_\_      6<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      10<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      14<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
3<sup>rd</sup> Spot \_\_\_\_\_.\_\_\_\_      7<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      11<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      15<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
4<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      8<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      12<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_

**Stream Velocity** (in seconds)

1<sup>st</sup> Spot \_\_\_\_\_      5<sup>th</sup> Spot \_\_\_\_\_      9<sup>th</sup> Spot \_\_\_\_\_      13<sup>th</sup> Spot \_\_\_\_\_  
2<sup>nd</sup> Spot \_\_\_\_\_      6<sup>th</sup> Spot \_\_\_\_\_      10<sup>th</sup> Spot \_\_\_\_\_      14<sup>th</sup> Spot \_\_\_\_\_  
3<sup>rd</sup> Spot \_\_\_\_\_      7<sup>th</sup> Spot \_\_\_\_\_      11<sup>th</sup> Spot \_\_\_\_\_      15<sup>th</sup> Spot \_\_\_\_\_  
4<sup>th</sup> Spot \_\_\_\_\_      8<sup>th</sup> Spot \_\_\_\_\_      12<sup>th</sup> Spot \_\_\_\_\_

**Other Stream Assessment Observations and Notes**

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



## Chemical / Physical Assessment

\* Recommended frequency – monthly \*

Date \_\_\_\_\_ Time \_\_\_\_\_

IOWATER Monitor \_\_\_\_\_ # of Adults (incl. you) \_\_\_\_\_

Site Number \_\_\_\_\_ # of under 18 \_\_\_\_\_

Other Volunteers Involved \_\_\_\_\_

Was the stream dry when it was monitored? Yes \_\_\_\_\_ No \_\_\_\_\_

### Weather (check all that apply)

Sunny \_\_\_\_\_ Partly Sunny \_\_\_\_\_ Cloudy \_\_\_\_\_ Rain/Snow \_\_\_\_\_ Windy \_\_\_\_\_ Calm \_\_\_\_\_

### Water Color (check all that apply)

Clear \_\_\_\_\_ Brown \_\_\_\_\_ Green \_\_\_\_\_ Oily \_\_\_\_\_ Reddish \_\_\_\_\_ Blackish \_\_\_\_\_ Milky \_\_\_\_\_ Gray \_\_\_\_\_

### Water Odor (check all that apply)

None \_\_\_\_\_ Sewage/Manure \_\_\_\_\_ Rotten Eggs \_\_\_\_\_ Petroleum \_\_\_\_\_ Musky \_\_\_\_\_

Air Temperature \_\_\_\_\_ °Fahrenheit

Precipitation \_\_\_\_\_ inches over the last 24 hours

### Transparency (record whole numbers only – no tenths)

\_\_\_\_\_ centimeters

### pH

Expiration date on bottom of bottle \_\_\_\_\_

check one – 4 \_\_\_\_\_ 5 \_\_\_\_\_ 6 \_\_\_\_\_ 7 \_\_\_\_\_ 8 \_\_\_\_\_ 9 \_\_\_\_\_

### Nitrite-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_\_\_ 0.15 \_\_\_\_\_ 0.3 \_\_\_\_\_ 1.0 \_\_\_\_\_ 1.5 \_\_\_\_\_ 3 \_\_\_\_\_

### Nitrate-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_\_\_ 1 \_\_\_\_\_ 2 \_\_\_\_\_ 5 \_\_\_\_\_ 10 \_\_\_\_\_ 20 \_\_\_\_\_ 50 \_\_\_\_\_

**Dissolved Oxygen** (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

check one – 1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 8 \_\_\_ 10 \_\_\_ 12 \_\_\_

**Phosphate** (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

Expiration date on round color comparator \_\_\_\_\_

Expiration date on activator solution \_\_\_\_\_

check one – 0 \_\_\_ 0.1 \_\_\_ 0.2 \_\_\_ 0.3 \_\_\_ 0.4 \_\_\_ 0.6 \_\_\_ 0.8 \_\_\_  
1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 10 \_\_\_

**Chloride**

Expiration date on bottom of bottle \_\_\_\_\_

\_\_\_\_\_ mg/L – Convert Quantab Units to mg/L using the chart provided on the bottle

**Water Temperature**

\_\_\_\_\_ °Fahrenheit

**Stream Width**

\_\_\_\_.\_\_\_\_ meters

**Maximum Stream Depth** (along your transect)

\_\_\_\_.\_\_\_\_ meters

**Stream Flow** (along your transect)

\_\_\_\_\_ high          \_\_\_\_\_ normal          \_\_\_\_\_ low          \_\_\_\_\_ not sure

**Stream Depth** (in meters, don't forget to convert from cm to m, 1 cm = 0.01 m)

1<sup>st</sup> Spot \_\_\_\_\_.\_\_\_\_      5<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      9<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      13<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
2<sup>nd</sup> Spot \_\_\_\_\_.\_\_\_\_      6<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      10<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      14<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
3<sup>rd</sup> Spot \_\_\_\_\_.\_\_\_\_      7<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      11<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      15<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_  
4<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      8<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_      12<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_

**Stream Velocity** (in seconds)

1<sup>st</sup> Spot \_\_\_\_\_      5<sup>th</sup> Spot \_\_\_\_\_      9<sup>th</sup> Spot \_\_\_\_\_      13<sup>th</sup> Spot \_\_\_\_\_  
2<sup>nd</sup> Spot \_\_\_\_\_      6<sup>th</sup> Spot \_\_\_\_\_      10<sup>th</sup> Spot \_\_\_\_\_      14<sup>th</sup> Spot \_\_\_\_\_  
3<sup>rd</sup> Spot \_\_\_\_\_      7<sup>th</sup> Spot \_\_\_\_\_      11<sup>th</sup> Spot \_\_\_\_\_      15<sup>th</sup> Spot \_\_\_\_\_  
4<sup>th</sup> Spot \_\_\_\_\_      8<sup>th</sup> Spot \_\_\_\_\_      12<sup>th</sup> Spot \_\_\_\_\_

**Other Stream Assessment Observations and Notes**

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



## Chemical / Physical Assessment

\* Recommended frequency – monthly \*

Date \_\_\_\_\_ Time \_\_\_\_\_

IOWATER Monitor \_\_\_\_\_ # of Adults (incl. you) \_\_\_\_\_

Site Number \_\_\_\_\_ # of under 18 \_\_\_\_\_

Other Volunteers Involved \_\_\_\_\_

Was the stream dry when it was monitored? Yes \_\_\_\_\_ No \_\_\_\_\_

### Weather (check all that apply)

Sunny \_\_\_\_\_ Partly Sunny \_\_\_\_\_ Cloudy \_\_\_\_\_ Rain/Snow \_\_\_\_\_ Windy \_\_\_\_\_ Calm \_\_\_\_\_

### Water Color (check all that apply)

Clear \_\_\_\_\_ Brown \_\_\_\_\_ Green \_\_\_\_\_ Oily \_\_\_\_\_ Reddish \_\_\_\_\_ Blackish \_\_\_\_\_ Milky \_\_\_\_\_ Gray \_\_\_\_\_

### Water Odor (check all that apply)

None \_\_\_\_\_ Sewage/Manure \_\_\_\_\_ Rotten Eggs \_\_\_\_\_ Petroleum \_\_\_\_\_ Musky \_\_\_\_\_

Air Temperature \_\_\_\_\_ °Fahrenheit

Precipitation \_\_\_\_\_ inches over the last 24 hours

### Transparency (record whole numbers only – no tenths)

\_\_\_\_\_ centimeters

### pH

Expiration date on bottom of bottle \_\_\_\_\_

check one – 4 \_\_\_\_\_ 5 \_\_\_\_\_ 6 \_\_\_\_\_ 7 \_\_\_\_\_ 8 \_\_\_\_\_ 9 \_\_\_\_\_

### Nitrite-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_\_\_ 0.15 \_\_\_\_\_ 0.3 \_\_\_\_\_ 1.0 \_\_\_\_\_ 1.5 \_\_\_\_\_ 3 \_\_\_\_\_

### Nitrate-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_\_\_ 1 \_\_\_\_\_ 2 \_\_\_\_\_ 5 \_\_\_\_\_ 10 \_\_\_\_\_ 20 \_\_\_\_\_ 50 \_\_\_\_\_

**Dissolved Oxygen** (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

check one – 1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 8 \_\_\_ 10 \_\_\_ 12 \_\_\_

**Phosphate** (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

Expiration date on round color comparator \_\_\_\_\_

Expiration date on activator solution \_\_\_\_\_

check one – 0 \_\_\_ 0.1 \_\_\_ 0.2 \_\_\_ 0.3 \_\_\_ 0.4 \_\_\_ 0.6 \_\_\_ 0.8 \_\_\_  
1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 10 \_\_\_

**Chloride**

Expiration date on bottom of bottle \_\_\_\_\_

\_\_\_\_\_ mg/L – Convert Quantab Units to mg/L using the chart provided on the bottle

**Water Temperature**

\_\_\_\_\_ °Fahrenheit

**Stream Width**

\_\_\_\_\_.\_\_\_\_\_ meters

**Maximum Stream Depth** (along your transect)

\_\_\_\_\_.\_\_\_\_\_ meters

**Stream Flow** (along your transect)

\_\_\_\_\_ high          \_\_\_\_\_ normal          \_\_\_\_\_ low          \_\_\_\_\_ not sure

**Stream Depth** (in meters, don't forget to convert from cm to m, 1 cm = 0.01 m)

1<sup>st</sup> Spot \_\_\_\_\_.\_\_\_\_\_      5<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_\_      9<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_\_      13<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_\_  
2<sup>nd</sup> Spot \_\_\_\_\_.\_\_\_\_\_      6<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_\_      10<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_\_      14<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_\_  
3<sup>rd</sup> Spot \_\_\_\_\_.\_\_\_\_\_      7<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_\_      11<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_\_      15<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_\_  
4<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_\_      8<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_\_      12<sup>th</sup> Spot \_\_\_\_\_.\_\_\_\_\_

**Stream Velocity** (in seconds)

1<sup>st</sup> Spot \_\_\_\_\_      5<sup>th</sup> Spot \_\_\_\_\_      9<sup>th</sup> Spot \_\_\_\_\_      13<sup>th</sup> Spot \_\_\_\_\_  
2<sup>nd</sup> Spot \_\_\_\_\_      6<sup>th</sup> Spot \_\_\_\_\_      10<sup>th</sup> Spot \_\_\_\_\_      14<sup>th</sup> Spot \_\_\_\_\_  
3<sup>rd</sup> Spot \_\_\_\_\_      7<sup>th</sup> Spot \_\_\_\_\_      11<sup>th</sup> Spot \_\_\_\_\_      15<sup>th</sup> Spot \_\_\_\_\_  
4<sup>th</sup> Spot \_\_\_\_\_      8<sup>th</sup> Spot \_\_\_\_\_      12<sup>th</sup> Spot \_\_\_\_\_

**Other Stream Assessment Observations and Notes**

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



## Standing Water Assessment

\* Recommended frequency: monthly from ice-out to freeze-over \*

Date \_\_\_\_\_ Time \_\_\_\_\_

IOWATER Monitor \_\_\_\_\_ # of Adults (incl. you) \_\_\_\_\_

Site Number \_\_\_\_\_ # of under 18 \_\_\_\_\_

Other Volunteers Involved \_\_\_\_\_

### Physical Assessment

Weather (check all that apply)

Sunny \_\_\_\_\_ Partly Sunny \_\_\_\_\_ Cloudy \_\_\_\_\_ Rain/Snow \_\_\_\_\_ Windy \_\_\_\_\_ Calm \_\_\_\_\_

Air Temperature \_\_\_\_\_ °Fahrenheit

Precipitation \_\_\_\_\_ inches over the last 24 hours

Wind Direction (check one)

\_\_\_\_ Not applicable    \_\_\_\_ Northeast  
\_\_\_\_ North            \_\_\_\_ Northwest  
\_\_\_\_ South            \_\_\_\_ Southeast  
\_\_\_\_ East              \_\_\_\_ Southwest  
\_\_\_\_ West

Wind Speed (check one)

\_\_\_\_ Calm (0-5 mph, felt on face, leaves rustle)  
\_\_\_\_ Breezy (sustained 5-15 mph, small branches move)  
\_\_\_\_ Strong (sustained over 15 mph, small trees sway continuously, waves form)  
\_\_\_\_ Gusty (gust over 15 mph, small trees sway occasionally)

Site Location \_\_\_\_\_ Open Water    \_\_\_\_\_ Shore or Dock

Secchi Disc Depth \_\_\_\_\_ meters

OR Transparency Tube \_\_\_\_\_ cm (record whole numbers only – no tenths)

Water Temperature \_\_\_\_\_ °Fahrenheit

Water Level (check one)

Above Normal \_\_\_\_\_ Normal \_\_\_\_\_ Below Normal \_\_\_\_\_

If lake is not at normal level, and you have means to measure, please specify:  
inches above \_\_\_\_\_ or below \_\_\_\_\_ normal

Water Odor (check all that apply)

None \_\_\_\_\_ Sewage/Manure \_\_\_\_\_ Rotten Eggs \_\_\_\_\_ Petroleum \_\_\_\_\_ Fishy \_\_\_\_\_

## Chemical Assessment

**IMPORTANT: Use Point Sampling technique!**

### pH

Expiration date on bottom of bottle \_\_\_\_\_

check one – 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 9 \_\_\_

### Nitrite-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_ 0.15 \_\_\_ 0.3 \_\_\_ 1.0 \_\_\_ 1.5 \_\_\_ 3 \_\_\_

### Nitrate-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_ 1 \_\_\_ 2 \_\_\_ 5 \_\_\_ 10 \_\_\_ 20 \_\_\_ 50 \_\_\_

### Dissolved Oxygen (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

check one – 1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 8 \_\_\_ 10 \_\_\_ 12 \_\_\_

### Phosphate (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

Expiration date on round color comparator \_\_\_\_\_

Expiration date on activator solution \_\_\_\_\_

check one – 0 \_\_\_ 0.1 \_\_\_ 0.2 \_\_\_ 0.3 \_\_\_ 0.4 \_\_\_ 0.6 \_\_\_ 0.8 \_\_\_  
1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 10 \_\_\_

### Chloride

Expiration date on bottom of bottle \_\_\_\_\_

\_\_\_\_\_ mg/L – Convert Quantab Units to mg/L using the chart provided on the bottle

## Biological Assessment

Water Color – Is there an obvious algal bloom? (algal mats present, water appears green or scummy) \_\_\_ No \_\_\_ Yes (if yes, please submit a photo record)

## Habitat Assessment

\* Conduct only once per year, preferably in July, or if a major land use change occurs \*

**Describe Lake Banks** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Describe Adjacent Land Use** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Other Observations and Notes:

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



## Standing Water Assessment

\* Recommended frequency: monthly from ice-out to freeze-over \*

Date \_\_\_\_\_ Time \_\_\_\_\_

IOWATER Monitor \_\_\_\_\_ # of Adults (incl. you) \_\_\_\_\_

Site Number \_\_\_\_\_ # of under 18 \_\_\_\_\_

Other Volunteers Involved \_\_\_\_\_

### Physical Assessment

Weather (check all that apply)

Sunny \_\_\_\_\_ Partly Sunny \_\_\_\_\_ Cloudy \_\_\_\_\_ Rain/Snow \_\_\_\_\_ Windy \_\_\_\_\_ Calm \_\_\_\_\_

Air Temperature \_\_\_\_\_ °Fahrenheit

Precipitation \_\_\_\_\_ inches over the last 24 hours

Wind Direction (check one)

\_\_\_\_ Not applicable    \_\_\_\_ Northeast  
\_\_\_\_ North            \_\_\_\_ Northwest  
\_\_\_\_ South            \_\_\_\_ Southeast  
\_\_\_\_ East              \_\_\_\_ Southwest  
\_\_\_\_ West

Wind Speed (check one)

\_\_\_\_ Calm (0-5 mph, felt on face, leaves rustle)  
\_\_\_\_ Breezy (sustained 5-15 mph, small branches move)  
\_\_\_\_ Strong (sustained over 15 mph, small trees sway continuously, waves form)  
\_\_\_\_ Gusty (gust over 15 mph, small trees sway occasionally)

Site Location \_\_\_\_\_ Open Water    \_\_\_\_\_ Shore or Dock

Secchi Disc Depth \_\_\_\_\_ meters

OR Transparency Tube \_\_\_\_\_ cm (record whole numbers only – no tenths)

Water Temperature \_\_\_\_\_ °Fahrenheit

Water Level (check one)

Above Normal \_\_\_\_\_ Normal \_\_\_\_\_ Below Normal \_\_\_\_\_

If lake is not at normal level, and you have means to measure, please specify:  
inches above \_\_\_\_\_ or below \_\_\_\_\_ normal

Water Odor (check all that apply)

None \_\_\_\_\_ Sewage/Manure \_\_\_\_\_ Rotten Eggs \_\_\_\_\_ Petroleum \_\_\_\_\_ Fishy \_\_\_\_\_

## Chemical Assessment

**IMPORTANT: Use Point Sampling technique!**

### pH

Expiration date on bottom of bottle \_\_\_\_\_

check one – 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 9 \_\_\_

### Nitrite-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_ 0.15 \_\_\_ 0.3 \_\_\_ 1.0 \_\_\_ 1.5 \_\_\_ 3 \_\_\_

### Nitrate-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_ 1 \_\_\_ 2 \_\_\_ 5 \_\_\_ 10 \_\_\_ 20 \_\_\_ 50 \_\_\_

### Dissolved Oxygen (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

check one – 1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 8 \_\_\_ 10 \_\_\_ 12 \_\_\_

### Phosphate (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

Expiration date on round color comparator \_\_\_\_\_

Expiration date on activator solution \_\_\_\_\_

check one – 0 \_\_\_ 0.1 \_\_\_ 0.2 \_\_\_ 0.3 \_\_\_ 0.4 \_\_\_ 0.6 \_\_\_ 0.8 \_\_\_  
1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 10 \_\_\_

### Chloride

Expiration date on bottom of bottle \_\_\_\_\_

\_\_\_\_\_ mg/L – Convert Quantab Units to mg/L using the chart provided on the bottle

## Biological Assessment

**Water Color** – Is there an obvious algal bloom? (algal mats present, water appears green or scummy) \_\_\_ No \_\_\_ Yes (if yes, please submit a photo record)

## Habitat Assessment

\* Conduct only once per year, preferably in July, or if a major land use change occurs \*

**Describe Lake Banks** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Describe Adjacent Land Use** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Other Observations and Notes:

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



## Standing Water Assessment

\* Recommended frequency: monthly from ice-out to freeze-over \*

Date \_\_\_\_\_ Time \_\_\_\_\_

IOWATER Monitor \_\_\_\_\_ # of Adults (incl. you) \_\_\_\_\_

Site Number \_\_\_\_\_ # of under 18 \_\_\_\_\_

Other Volunteers Involved \_\_\_\_\_

### Physical Assessment

Weather (check all that apply)

Sunny \_\_\_\_\_ Partly Sunny \_\_\_\_\_ Cloudy \_\_\_\_\_ Rain/Snow \_\_\_\_\_ Windy \_\_\_\_\_ Calm \_\_\_\_\_

Air Temperature \_\_\_\_\_ °Fahrenheit

Precipitation \_\_\_\_\_ inches over the last 24 hours

Wind Direction (check one)

\_\_\_\_ Not applicable  
\_\_\_\_ North  
\_\_\_\_ South  
\_\_\_\_ East  
\_\_\_\_ West

\_\_\_\_ Northeast  
\_\_\_\_ Northwest  
\_\_\_\_ Southeast  
\_\_\_\_ Southwest

Wind Speed (check one)

\_\_\_\_ Calm (0-5 mph, felt on face, leaves rustle)  
\_\_\_\_ Breezy (sustained 5-15 mph, small branches move)  
\_\_\_\_ Strong (sustained over 15 mph, small trees sway continuously, waves form)  
\_\_\_\_ Gusty (gust over 15 mph, small trees sway occasionally)

Site Location \_\_\_\_\_ Open Water \_\_\_\_\_ Shore or Dock

Secchi Disc Depth \_\_\_\_\_ meters

OR Transparency Tube \_\_\_\_\_ cm (record whole numbers only – no tenths)

Water Temperature \_\_\_\_\_ °Fahrenheit

Water Level (check one)

Above Normal \_\_\_\_\_ Normal \_\_\_\_\_ Below Normal \_\_\_\_\_

If lake is not at normal level, and you have means to measure, please specify:  
inches above \_\_\_\_\_ or below \_\_\_\_\_ normal

Water Odor (check all that apply)

None \_\_\_\_\_ Sewage/Manure \_\_\_\_\_ Rotten Eggs \_\_\_\_\_ Petroleum \_\_\_\_\_ Fishy \_\_\_\_\_

## Chemical Assessment

**IMPORTANT: Use Point Sampling technique!**

### pH

Expiration date on bottom of bottle \_\_\_\_\_

check one – 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 9 \_\_\_

### Nitrite-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_ 0.15 \_\_\_ 0.3 \_\_\_ 1.0 \_\_\_ 1.5 \_\_\_ 3 \_\_\_

### Nitrate-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_ 1 \_\_\_ 2 \_\_\_ 5 \_\_\_ 10 \_\_\_ 20 \_\_\_ 50 \_\_\_

### Dissolved Oxygen (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

check one – 1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 8 \_\_\_ 10 \_\_\_ 12 \_\_\_

### Phosphate (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

Expiration date on round color comparator \_\_\_\_\_

Expiration date on activator solution \_\_\_\_\_

check one – 0 \_\_\_ 0.1 \_\_\_ 0.2 \_\_\_ 0.3 \_\_\_ 0.4 \_\_\_ 0.6 \_\_\_ 0.8 \_\_\_  
1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 10 \_\_\_

### Chloride

Expiration date on bottom of bottle \_\_\_\_\_

\_\_\_\_\_ mg/L – Convert Quantab Units to mg/L using the chart provided on the bottle

## Biological Assessment

**Water Color** – Is there an obvious algal bloom? (algal mats present, water appears green or scummy) \_\_\_ No \_\_\_ Yes (if yes, please submit a photo record)

## Habitat Assessment

\* Conduct only once per year, preferably in July, or if a major land use change occurs \*

**Describe Lake Banks** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Describe Adjacent Land Use** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Other Observations and Notes:

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



## Standing Water Assessment

\* Recommended frequency: monthly from ice-out to freeze-over \*

Date \_\_\_\_\_ Time \_\_\_\_\_

IOWATER Monitor \_\_\_\_\_ # of Adults (incl. you) \_\_\_\_\_

Site Number \_\_\_\_\_ # of under 18 \_\_\_\_\_

Other Volunteers Involved \_\_\_\_\_

### Physical Assessment

Weather (check all that apply)

Sunny \_\_\_\_\_ Partly Sunny \_\_\_\_\_ Cloudy \_\_\_\_\_ Rain/Snow \_\_\_\_\_ Windy \_\_\_\_\_ Calm \_\_\_\_\_

Air Temperature \_\_\_\_\_ °Fahrenheit

Precipitation \_\_\_\_\_ inches over the last 24 hours

Wind Direction (check one)

\_\_\_\_ Not applicable    \_\_\_\_ Northeast  
\_\_\_\_ North            \_\_\_\_ Northwest  
\_\_\_\_ South            \_\_\_\_ Southeast  
\_\_\_\_ East              \_\_\_\_ Southwest  
\_\_\_\_ West

Wind Speed (check one)

\_\_\_\_ Calm (0-5 mph, felt on face, leaves rustle)  
\_\_\_\_ Breezy (sustained 5-15 mph, small branches move)  
\_\_\_\_ Strong (sustained over 15 mph, small trees sway continuously, waves form)  
\_\_\_\_ Gusty (gust over 15 mph, small trees sway occasionally)

Site Location \_\_\_\_\_ Open Water    \_\_\_\_\_ Shore or Dock

Secchi Disc Depth \_\_\_\_\_ meters

OR Transparency Tube \_\_\_\_\_ cm (record whole numbers only – no tenths)

Water Temperature \_\_\_\_\_ °Fahrenheit

Water Level (check one)

Above Normal \_\_\_\_\_ Normal \_\_\_\_\_ Below Normal \_\_\_\_\_

If lake is not at normal level, and you have means to measure, please specify:  
inches above \_\_\_\_\_ or below \_\_\_\_\_ normal

Water Odor (check all that apply)

None \_\_\_\_\_ Sewage/Manure \_\_\_\_\_ Rotten Eggs \_\_\_\_\_ Petroleum \_\_\_\_\_ Fishy \_\_\_\_\_

## Chemical Assessment

**IMPORTANT: Use Point Sampling technique!**

### pH

Expiration date on bottom of bottle \_\_\_\_\_

check one – 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 9 \_\_\_

### Nitrite-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_ 0.15 \_\_\_ 0.3 \_\_\_ 1.0 \_\_\_ 1.5 \_\_\_ 3 \_\_\_

### Nitrate-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_ 1 \_\_\_ 2 \_\_\_ 5 \_\_\_ 10 \_\_\_ 20 \_\_\_ 50 \_\_\_

### Dissolved Oxygen (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

check one – 1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 8 \_\_\_ 10 \_\_\_ 12 \_\_\_

### Phosphate (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

Expiration date on round color comparator \_\_\_\_\_

Expiration date on activator solution \_\_\_\_\_

check one – 0 \_\_\_ 0.1 \_\_\_ 0.2 \_\_\_ 0.3 \_\_\_ 0.4 \_\_\_ 0.6 \_\_\_ 0.8 \_\_\_  
1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 10 \_\_\_

### Chloride

Expiration date on bottom of bottle \_\_\_\_\_

\_\_\_\_\_ mg/L – Convert Quantab Units to mg/L using the chart provided on the bottle

## Biological Assessment

**Water Color** – Is there an obvious algal bloom? (algal mats present, water appears green or scummy) \_\_\_ No \_\_\_ Yes (if yes, please submit a photo record)

## Habitat Assessment

\* Conduct only once per year, preferably in July, or if a major land use change occurs \*

**Describe Lake Banks** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Describe Adjacent Land Use** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Other Observations and Notes:

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



## Standing Water Assessment

\* Recommended frequency: monthly from ice-out to freeze-over \*

Date \_\_\_\_\_ Time \_\_\_\_\_

IOWATER Monitor \_\_\_\_\_ # of Adults (incl. you) \_\_\_\_\_

Site Number \_\_\_\_\_ # of under 18 \_\_\_\_\_

Other Volunteers Involved \_\_\_\_\_

### Physical Assessment

Weather (check all that apply)

Sunny \_\_\_\_\_ Partly Sunny \_\_\_\_\_ Cloudy \_\_\_\_\_ Rain/Snow \_\_\_\_\_ Windy \_\_\_\_\_ Calm \_\_\_\_\_

Air Temperature \_\_\_\_\_ °Fahrenheit

Precipitation \_\_\_\_\_ inches over the last 24 hours

Wind Direction (check one)

\_\_\_\_ Not applicable  
\_\_\_\_ North  
\_\_\_\_ South  
\_\_\_\_ East  
\_\_\_\_ West

\_\_\_\_ Northeast  
\_\_\_\_ Northwest  
\_\_\_\_ Southeast  
\_\_\_\_ Southwest

Wind Speed (check one)

\_\_\_\_ Calm (0-5 mph, felt on face, leaves rustle)  
\_\_\_\_ Breezy (sustained 5-15 mph, small branches move)  
\_\_\_\_ Strong (sustained over 15 mph, small trees sway continuously, waves form)  
\_\_\_\_ Gusty (gust over 15 mph, small trees sway occasionally)

Site Location \_\_\_\_\_ Open Water \_\_\_\_\_ Shore or Dock

Secchi Disc Depth \_\_\_\_\_ meters

OR Transparency Tube \_\_\_\_\_ cm (record whole numbers only – no tenths)

Water Temperature \_\_\_\_\_ °Fahrenheit

Water Level (check one)

Above Normal \_\_\_\_\_ Normal \_\_\_\_\_ Below Normal \_\_\_\_\_

If lake is not at normal level, and you have means to measure, please specify:  
inches above \_\_\_\_\_ or below \_\_\_\_\_ normal

Water Odor (check all that apply)

None \_\_\_\_\_ Sewage/Manure \_\_\_\_\_ Rotten Eggs \_\_\_\_\_ Petroleum \_\_\_\_\_ Fishy \_\_\_\_\_

## Chemical Assessment

**IMPORTANT: Use Point Sampling technique!**

### pH

Expiration date on bottom of bottle \_\_\_\_\_

check one – 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 9 \_\_\_

### Nitrite-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_ 0.15 \_\_\_ 0.3 \_\_\_ 1.0 \_\_\_ 1.5 \_\_\_ 3 \_\_\_

### Nitrate-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_ 1 \_\_\_ 2 \_\_\_ 5 \_\_\_ 10 \_\_\_ 20 \_\_\_ 50 \_\_\_

### Dissolved Oxygen (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

check one – 1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 8 \_\_\_ 10 \_\_\_ 12 \_\_\_

### Phosphate (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

Expiration date on round color comparator \_\_\_\_\_

Expiration date on activator solution \_\_\_\_\_

check one – 0 \_\_\_ 0.1 \_\_\_ 0.2 \_\_\_ 0.3 \_\_\_ 0.4 \_\_\_ 0.6 \_\_\_ 0.8 \_\_\_  
1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 10 \_\_\_

### Chloride

Expiration date on bottom of bottle \_\_\_\_\_

\_\_\_\_\_ mg/L – Convert Quantab Units to mg/L using the chart provided on the bottle

## Biological Assessment

**Water Color** – Is there an obvious algal bloom? (algal mats present, water appears green or scummy) \_\_\_ No \_\_\_ Yes (if yes, please submit a photo record)

## Habitat Assessment

\* Conduct only once per year, preferably in July, or if a major land use change occurs \*

**Describe Lake Banks** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Describe Adjacent Land Use** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Other Observations and Notes:

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



## Standing Water Assessment

\* Recommended frequency: monthly from ice-out to freeze-over \*

Date \_\_\_\_\_ Time \_\_\_\_\_

IOWATER Monitor \_\_\_\_\_ # of Adults (incl. you) \_\_\_\_\_

Site Number \_\_\_\_\_ # of under 18 \_\_\_\_\_

Other Volunteers Involved \_\_\_\_\_

### Physical Assessment

Weather (check all that apply)

Sunny \_\_\_\_\_ Partly Sunny \_\_\_\_\_ Cloudy \_\_\_\_\_ Rain/Snow \_\_\_\_\_ Windy \_\_\_\_\_ Calm \_\_\_\_\_

Air Temperature \_\_\_\_\_ °Fahrenheit

Precipitation \_\_\_\_\_ inches over the last 24 hours

Wind Direction (check one)

\_\_\_\_ Not applicable    \_\_\_\_ Northeast  
\_\_\_\_ North            \_\_\_\_ Northwest  
\_\_\_\_ South            \_\_\_\_ Southeast  
\_\_\_\_ East              \_\_\_\_ Southwest  
\_\_\_\_ West

Wind Speed (check one)

\_\_\_\_ Calm (0-5 mph, felt on face, leaves rustle)  
\_\_\_\_ Breezy (sustained 5-15 mph, small branches move)  
\_\_\_\_ Strong (sustained over 15 mph, small trees sway continuously, waves form)  
\_\_\_\_ Gusty (gust over 15 mph, small trees sway occasionally)

Site Location \_\_\_\_\_ Open Water    \_\_\_\_\_ Shore or Dock

Secchi Disc Depth \_\_\_\_\_ meters

OR Transparency Tube \_\_\_\_\_ cm (record whole numbers only – no tenths)

Water Temperature \_\_\_\_\_ °Fahrenheit

Water Level (check one)

Above Normal \_\_\_\_\_ Normal \_\_\_\_\_ Below Normal \_\_\_\_\_

If lake is not at normal level, and you have means to measure, please specify:  
inches above \_\_\_\_\_ or below \_\_\_\_\_ normal

Water Odor (check all that apply)

None \_\_\_\_\_ Sewage/Manure \_\_\_\_\_ Rotten Eggs \_\_\_\_\_ Petroleum \_\_\_\_\_ Fishy \_\_\_\_\_

## Chemical Assessment

**IMPORTANT: Use Point Sampling technique!**

### pH

Expiration date on bottom of bottle \_\_\_\_\_

check one – 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 9 \_\_\_

### Nitrite-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_ 0.15 \_\_\_ 0.3 \_\_\_ 1.0 \_\_\_ 1.5 \_\_\_ 3 \_\_\_

### Nitrate-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_ 1 \_\_\_ 2 \_\_\_ 5 \_\_\_ 10 \_\_\_ 20 \_\_\_ 50 \_\_\_

### Dissolved Oxygen (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

check one – 1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 8 \_\_\_ 10 \_\_\_ 12 \_\_\_

### Phosphate (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

Expiration date on round color comparator \_\_\_\_\_

Expiration date on activator solution \_\_\_\_\_

check one – 0 \_\_\_ 0.1 \_\_\_ 0.2 \_\_\_ 0.3 \_\_\_ 0.4 \_\_\_ 0.6 \_\_\_ 0.8 \_\_\_  
1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 10 \_\_\_

### Chloride

Expiration date on bottom of bottle \_\_\_\_\_

\_\_\_\_\_ mg/L – Convert Quantab Units to mg/L using the chart provided on the bottle

## Biological Assessment

**Water Color** – Is there an obvious algal bloom? (algal mats present, water appears green or scummy) \_\_\_ No \_\_\_ Yes (if yes, please submit a photo record)

## Habitat Assessment

\* Conduct only once per year, preferably in July, or if a major land use change occurs \*

**Describe Lake Banks** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Describe Adjacent Land Use** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Other Observations and Notes:

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



## Standing Water Assessment

\* Recommended frequency: monthly from ice-out to freeze-over \*

Date \_\_\_\_\_ Time \_\_\_\_\_

IOWATER Monitor \_\_\_\_\_ # of Adults (incl. you) \_\_\_\_\_

Site Number \_\_\_\_\_ # of under 18 \_\_\_\_\_

Other Volunteers Involved \_\_\_\_\_

### Physical Assessment

Weather (check all that apply)

Sunny \_\_\_\_\_ Partly Sunny \_\_\_\_\_ Cloudy \_\_\_\_\_ Rain/Snow \_\_\_\_\_ Windy \_\_\_\_\_ Calm \_\_\_\_\_

Air Temperature \_\_\_\_\_ °Fahrenheit

Precipitation \_\_\_\_\_ inches over the last 24 hours

Wind Direction (check one)

\_\_\_\_ Not applicable  
\_\_\_\_ North  
\_\_\_\_ South  
\_\_\_\_ East  
\_\_\_\_ West

\_\_\_\_ Northeast  
\_\_\_\_ Northwest  
\_\_\_\_ Southeast  
\_\_\_\_ Southwest

Wind Speed (check one)

\_\_\_\_ Calm (0-5 mph, felt on face, leaves rustle)  
\_\_\_\_ Breezy (sustained 5-15 mph, small branches move)  
\_\_\_\_ Strong (sustained over 15 mph, small trees sway continuously, waves form)  
\_\_\_\_ Gusty (gust over 15 mph, small trees sway occasionally)

Site Location \_\_\_\_\_ Open Water \_\_\_\_\_ Shore or Dock

Secchi Disc Depth \_\_\_\_\_ meters

OR Transparency Tube \_\_\_\_\_ cm (record whole numbers only – no tenths)

Water Temperature \_\_\_\_\_ °Fahrenheit

Water Level (check one)

Above Normal \_\_\_\_\_ Normal \_\_\_\_\_ Below Normal \_\_\_\_\_

If lake is not at normal level, and you have means to measure, please specify:  
inches above \_\_\_\_\_ or below \_\_\_\_\_ normal

Water Odor (check all that apply)

None \_\_\_\_\_ Sewage/Manure \_\_\_\_\_ Rotten Eggs \_\_\_\_\_ Petroleum \_\_\_\_\_ Fishy \_\_\_\_\_

## Chemical Assessment

**IMPORTANT: Use Point Sampling technique!**

### pH

Expiration date on bottom of bottle \_\_\_\_\_

check one – 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 9 \_\_\_

### Nitrite-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_ 0.15 \_\_\_ 0.3 \_\_\_ 1.0 \_\_\_ 1.5 \_\_\_ 3 \_\_\_

### Nitrate-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_ 1 \_\_\_ 2 \_\_\_ 5 \_\_\_ 10 \_\_\_ 20 \_\_\_ 50 \_\_\_

### Dissolved Oxygen (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

check one – 1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 8 \_\_\_ 10 \_\_\_ 12 \_\_\_

### Phosphate (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

Expiration date on round color comparator \_\_\_\_\_

Expiration date on activator solution \_\_\_\_\_

check one – 0 \_\_\_ 0.1 \_\_\_ 0.2 \_\_\_ 0.3 \_\_\_ 0.4 \_\_\_ 0.6 \_\_\_ 0.8 \_\_\_  
1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 10 \_\_\_

### Chloride

Expiration date on bottom of bottle \_\_\_\_\_

\_\_\_\_\_ mg/L – Convert Quantab Units to mg/L using the chart provided on the bottle

## Biological Assessment

**Water Color** – Is there an obvious algal bloom? (algal mats present, water appears green or scummy) \_\_\_ No \_\_\_ Yes (if yes, please submit a photo record)

## Habitat Assessment

\* Conduct only once per year, preferably in July, or if a major land use change occurs \*

**Describe Lake Banks** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Describe Adjacent Land Use** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Other Observations and Notes:

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



## Standing Water Assessment

\* Recommended frequency: monthly from ice-out to freeze-over \*

Date \_\_\_\_\_ Time \_\_\_\_\_

IOWATER Monitor \_\_\_\_\_ # of Adults (incl. you) \_\_\_\_\_

Site Number \_\_\_\_\_ # of under 18 \_\_\_\_\_

Other Volunteers Involved \_\_\_\_\_

### Physical Assessment

Weather (check all that apply)

Sunny \_\_\_\_\_ Partly Sunny \_\_\_\_\_ Cloudy \_\_\_\_\_ Rain/Snow \_\_\_\_\_ Windy \_\_\_\_\_ Calm \_\_\_\_\_

Air Temperature \_\_\_\_\_ °Fahrenheit

Precipitation \_\_\_\_\_ inches over the last 24 hours

Wind Direction (check one)

\_\_\_\_ Not applicable    \_\_\_\_ Northeast  
\_\_\_\_ North            \_\_\_\_ Northwest  
\_\_\_\_ South            \_\_\_\_ Southeast  
\_\_\_\_ East              \_\_\_\_ Southwest  
\_\_\_\_ West

Wind Speed (check one)

\_\_\_\_ Calm (0-5 mph, felt on face, leaves rustle)  
\_\_\_\_ Breezy (sustained 5-15 mph, small branches move)  
\_\_\_\_ Strong (sustained over 15 mph, small trees sway continuously, waves form)  
\_\_\_\_ Gusty (gust over 15 mph, small trees sway occasionally)

Site Location \_\_\_\_\_ Open Water    \_\_\_\_\_ Shore or Dock

Secchi Disc Depth \_\_\_\_\_ meters

OR Transparency Tube \_\_\_\_\_ cm (record whole numbers only – no tenths)

Water Temperature \_\_\_\_\_ °Fahrenheit

Water Level (check one)

Above Normal \_\_\_\_\_ Normal \_\_\_\_\_ Below Normal \_\_\_\_\_

If lake is not at normal level, and you have means to measure, please specify:  
inches above \_\_\_\_\_ or below \_\_\_\_\_ normal

Water Odor (check all that apply)

None \_\_\_\_\_ Sewage/Manure \_\_\_\_\_ Rotten Eggs \_\_\_\_\_ Petroleum \_\_\_\_\_ Fishy \_\_\_\_\_

## Chemical Assessment

**IMPORTANT: Use Point Sampling technique!**

### pH

Expiration date on bottom of bottle \_\_\_\_\_

check one – 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 9 \_\_\_

### Nitrite-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_ 0.15 \_\_\_ 0.3 \_\_\_ 1.0 \_\_\_ 1.5 \_\_\_ 3 \_\_\_

### Nitrate-N (mg/L)

Expiration date on bottom of bottle \_\_\_\_\_

check one – 0 \_\_\_ 1 \_\_\_ 2 \_\_\_ 5 \_\_\_ 10 \_\_\_ 20 \_\_\_ 50 \_\_\_

### Dissolved Oxygen (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

check one – 1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 8 \_\_\_ 10 \_\_\_ 12 \_\_\_

### Phosphate (mg/L)

Expiration date on back of color comparator \_\_\_\_\_

Expiration date on round color comparator \_\_\_\_\_

Expiration date on activator solution \_\_\_\_\_

check one – 0 \_\_\_ 0.1 \_\_\_ 0.2 \_\_\_ 0.3 \_\_\_ 0.4 \_\_\_ 0.6 \_\_\_ 0.8 \_\_\_  
1 \_\_\_ 2 \_\_\_ 3 \_\_\_ 4 \_\_\_ 5 \_\_\_ 6 \_\_\_ 7 \_\_\_ 8 \_\_\_ 10 \_\_\_

### Chloride

Expiration date on bottom of bottle \_\_\_\_\_

\_\_\_\_\_ mg/L – Convert Quantab Units to mg/L using the chart provided on the bottle

## Biological Assessment

**Water Color** – Is there an obvious algal bloom? (algal mats present, water appears green or scummy) \_\_\_ No \_\_\_ Yes (if yes, please submit a photo record)

## Habitat Assessment

\* Conduct only once per year, preferably in July, or if a major land use change occurs \*

**Describe Lake Banks** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Describe Adjacent Land Use** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Other Observations and Notes:

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

