

Habitat Assessment

* Recommended frequency – yearly *

* Photographic documentation is recommended and strongly encouraged *

Date _____

Time _____

IDA H₂O Monitor # _____

of Adults (including you) _____

Site Number _____

of under 18 _____

Other Volunteers Involved _____

Site Description _____

Was the stream dry when it was monitored? Yes _____ No _____

Stream Habitat Type (at transect – check one): Riffle _____ Run _____ Pool _____ Glide _____

Pebble Count Survey (Wolman 1954) (at transect)

Size class	Dimension	In wetted	Out wetted	
Silt/Clay	0 – 1 mm	_____	_____	
Sand	1.1 – 2.5 mm	_____	_____	
Very fine pebble	2.51 – 6 mm	_____	_____	
Pebble	6.1 – 15 mm	_____	_____	
Coarse pebble	15.1 – 31 mm	_____	_____	
Very coarse pebble	31.1 – 64 mm	_____	_____	
Small cobble	64.1 – 128 mm	_____	_____	
Large cobble	128.1 – 256 mm	_____	_____	
Small boulder	256.1 – 512 mm	_____	_____	
Medium boulder	512.1 – 1024 mm	_____	_____	
Large boulder	1024 mm and larger	_____	_____	TOTAL _____

Embeddedness (% substrate embeddedness): _____ %

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: _____

Bank Condition (at transect, check one for each bank):

Left Bank (facing upstream)

_____ Covered stable
_____ Covered unstable
_____ Uncovered stable
_____ Uncovered unstable

Right Bank (facing upstream)

_____ Covered stable
_____ Covered unstable
_____ Uncovered stable
_____ Uncovered unstable

Channel Shape (at transect, check one for each bank):

Left Bank (facing upstream)

_____ Trapezoidal /_\
_____ Rectangular |_
_____ Inverse trapezoidal _/

Right Bank (facing upstream)

_____ Trapezoidal /_\
_____ Rectangular |_
_____ Inverse trapezoidal _/

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

(Note—begin assessing stream reach beyond stream transect)

Stream Sinuosity (along stream reach): Low _____ Moderate _____ High _____ Braided _____

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

- | | | |
|-------------------------------------|---|---|
| <input type="checkbox"/> Row Crop | <input type="checkbox"/> Park | <input type="checkbox"/> Stairs/Walkway |
| <input type="checkbox"/> Pasture | <input type="checkbox"/> Playground | <input type="checkbox"/> Rural Residential |
| <input type="checkbox"/> Urban | <input type="checkbox"/> Campground | <input type="checkbox"/> Conservation Lands |
| <input type="checkbox"/> Industrial | <input type="checkbox"/> Boating Accesses | <input type="checkbox"/> Animal Feeding |
| <input type="checkbox"/> Timber | <input type="checkbox"/> Nature Trails | <input type="checkbox"/> Operations/Lots |
| <input type="checkbox"/> Wetland | <input type="checkbox"/> Fence | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Prairie | <input type="checkbox"/> Steep Slopes | |

Microhabitats (check all present in stream reach)

- | | | |
|---|---|---|
| <input type="checkbox"/> Algae Mats | <input type="checkbox"/> Sand | <input type="checkbox"/> Undercut Banks |
| <input type="checkbox"/> Large organic debris | <input type="checkbox"/> Junk (tires, etc.) | <input type="checkbox"/> Rip Rap |
| <input type="checkbox"/> Root Wads | <input type="checkbox"/> Leaf Packs | <input type="checkbox"/> Overhanging Vegetation |
| <input type="checkbox"/> Fallen Trees | <input type="checkbox"/> Rocks | <input type="checkbox"/> Other (describe) |
| <input type="checkbox"/> Silt/Muck | <input type="checkbox"/> Weed Beds | |

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

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

- | | | |
|---------------------------------------|--|---|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Canoeing/Kayaking | <input type="checkbox"/> Hunting/Trapping |
| <input type="checkbox"/> Tubing | <input type="checkbox"/> Boating | <input type="checkbox"/> Fishing |
| <input type="checkbox"/> Water Skiing | <input type="checkbox"/> Wading | <input type="checkbox"/> Kids Playing |
| <input type="checkbox"/> Wind Surfing | <input type="checkbox"/> Rafting | <input type="checkbox"/> Other _____ |

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

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

- | | | |
|--|---|---|
| <input type="checkbox"/> Streamside Roads | <input type="checkbox"/> ATV/ORV Tracks | <input type="checkbox"/> Fishing Tackle |
| <input type="checkbox"/> Footprints or Paths | <input type="checkbox"/> Rope Swings | <input type="checkbox"/> Evidence of Play |
| <input type="checkbox"/> Dock/Platform | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> Fire Pit/Ring | |

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

Are there any noxious weeds present? _____
