Habitat Assessment

*** Recommended frequency – yearly ***
*** Photographic documentation is recommended and strongly encouraged ***

Date _____ **Time** _____

IDAH$_2$O 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 _____

Streambed Substrate (at *transect – estimate percentages – **100% total***)

_____ % Bedrock – large sheets of stone.
_____ % Boulder – stones larger than 10 inches in diameter
_____ % Cobble – stones with a 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.

Embeddedness (% substrate embeddedness): _____%

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 _____

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: _____

Channel Shape (*at transect*): Trapezoidal _____ Rectangular _____ Inverse trapezoidal _____

Bank Condition (*at transect*): Cover stable ___ Uncovered stable ___ Cover unstable ___ Uncovered unstable ___

Canopy Cover (*over transect – check one*): 0-25% _____ 25-50% _____ 50-75% _____ 75-100% _____

Densiometer (# of grid intersections obstructed by vegetation): _____

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*)

_____Row Crop

_____Pasture

_____Urban

_____Industrial

_____Timber

_____Wetland

_____Prairie

_____Park

_____Playground

_____Campground

_____Boating Accesses

_____Nature Trails

_____Fence

_____Steep Slopes

_____Stairs/Walkway

_____Rural Residential

_____Conservation Lands

_____Animal Feeding

_____Operations/Lots

_____Other _____

Microhabitats (*check all present in stream reach*)

_____Algae Mats
_____Large organic debris
_____Root Wads
_____Fallen Trees
_____Silt/Muck
_____Sand
_____ Junk (tires, garbage, etc.)
_____Leaf Packs
_____Rocks
_____Weed Beds
_____Undercut Banks
_____Rip Rap
_____Overhanging Vegetation
_____Other (*describe*)

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

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

_____Swimming
_____Tubing
_____Water Skiing
_____Wind Surfing
_____Canoeing/Kayaking
_____Boating
_____Wading
_____Rafting
_____Hunting/Trapping
_____Fishing
_____Kids Playing
_____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
_____Footprints or Paths
_____Dock/Platform
_____Livestock Watering
_____ATV/ORV Tracks
_____Rope Swings
_____Camping Sites
_____Fire Pit/Ring
_____Fishing Tackle
_____Evidence of Play
_____Other _____

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

_____

_____

_____

_____

Are there any noxious weeds present? _____

_____