

The Watershed Institute | **HABITAT AND MACROINVERTEBRATE DATA SHEET**

Date:	Start Time:	Project Name: StreamWatch	
Investigators:		Organization: The Watershed Institute	
Site ID:	Site Location Description:		
Approximate Reach Length <small>(aim for 100m):</small>	Current Weather Conditions: <input type="checkbox"/> Clear <input type="checkbox"/> Partly Cloudy <input type="checkbox"/> Overcast <input type="checkbox"/> Light Rain <small>(no runoff)</small> <input type="checkbox"/> Heavy Rain <small>(runoff)</small> <input type="checkbox"/> Snow <input type="checkbox"/> Heavy Snow Melt	Time Since Last Rain or Snowmelt: <input type="checkbox"/> Within 24 hours <input type="checkbox"/> 24-48 hours ago <input type="checkbox"/> More than 2 days ago <input type="checkbox"/> Unknown	
Air Temp (°C):			Water Temp (°C):
Thermometer #:			

Representative Wetted Width <small>(indicate units):</small>	Representative Depth Profile <small>(measured at five equidistant points across representative width)</small> <small>(indicate units):</small> _____ , _____ , _____ , _____ , _____ = Avg. _____
Velocity Distance <small>(aim for 5-10 meters)</small> _____ <small>(if using feet, convert to meters before calculating velocity)</small> = Avg. Velocity _____ m/s Float Time: _____ = Avg. _____ seconds <input type="checkbox"/> Check here if this section is not completed due to nonwadable assessment.	

Stream Flow: <input type="checkbox"/> Slow (barely moving or not at all) <input type="checkbox"/> Moderate (clearly moving, surface flat) <input type="checkbox"/> Swift (clearly moving, surface disturbed) <input type="checkbox"/> Rapids	Water Odor: <input type="checkbox"/> Normal <input type="checkbox"/> Anaerobic <input type="checkbox"/> Sulfuric <input type="checkbox"/> Sewage <input type="checkbox"/> Petroleum <input type="checkbox"/> Other:	Turbidity: <input type="checkbox"/> Clear <input type="checkbox"/> Slightly turbid <input type="checkbox"/> Turbid/Muddy <input type="checkbox"/> Milky <input type="checkbox"/> Green pea soup	Surface Coating: <input type="checkbox"/> None <input type="checkbox"/> Foam <input type="checkbox"/> Scum <input type="checkbox"/> "Paint" streaks <input type="checkbox"/> Duckweed or vegetation <input type="checkbox"/> Oil <input type="checkbox"/> Other:	Water Color: <input type="checkbox"/> Clear <input type="checkbox"/> Green <input type="checkbox"/> Blue-green <input type="checkbox"/> Tea-stained <input type="checkbox"/> Brown <input type="checkbox"/> Yellow <input type="checkbox"/> Gray <input type="checkbox"/> Other:
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Stream Morphology: <input type="checkbox"/> Riffle: _____% <input type="checkbox"/> Run: _____% <input type="checkbox"/> Pool: _____%	Macroinvertebrate Habitat Types: <input type="checkbox"/> Riffles/Cobble <input type="checkbox"/> Woody debris <input type="checkbox"/> Submerged logs <input type="checkbox"/> Aquatic vegetation <input type="checkbox"/> Undercut banks <input type="checkbox"/> Gravel/Sand <input type="checkbox"/> Other:	Benthic Substrate Characterization <small>(check if present or indicate relative percentage):</small> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Clay: <small>(<0.004 mm, slick)</small></td> <td style="width:50%;">Silt: <small>(0.004-0.06 mm)</small></td> </tr> <tr> <td>Sand: <small>(0.06-2mm, gritty)</small></td> <td>Gravel: <small>(2-64mm, 0.1-2.5")</small></td> </tr> <tr> <td>Cobble: <small>(64-256mm, 2.5-10")</small></td> <td>Boulder: <small>(>256mm, >10")</small></td> </tr> <tr> <td>Bedrock: <small>(unbroken)</small></td> <td>Other:</td> </tr> </table>	Clay: <small>(<0.004 mm, slick)</small>	Silt: <small>(0.004-0.06 mm)</small>	Sand: <small>(0.06-2mm, gritty)</small>	Gravel: <small>(2-64mm, 0.1-2.5")</small>	Cobble: <small>(64-256mm, 2.5-10")</small>	Boulder: <small>(>256mm, >10")</small>	Bedrock: <small>(unbroken)</small>	Other:
Clay: <small>(<0.004 mm, slick)</small>	Silt: <small>(0.004-0.06 mm)</small>									
Sand: <small>(0.06-2mm, gritty)</small>	Gravel: <small>(2-64mm, 0.1-2.5")</small>									
Cobble: <small>(64-256mm, 2.5-10")</small>	Boulder: <small>(>256mm, >10")</small>									
Bedrock: <small>(unbroken)</small>	Other:									
Woody Debris: <input type="checkbox"/> None <input type="checkbox"/> Scarce <input type="checkbox"/> Moderate <input type="checkbox"/> Abundant										

Aquatic Veget. Type: <input type="checkbox"/> Emergent <input type="checkbox"/> Submergent <input type="checkbox"/> Rooted floating <input type="checkbox"/> Floating Amount: <input type="checkbox"/> Absent <input type="checkbox"/> Scarce <input type="checkbox"/> Moderate <input type="checkbox"/> Abundant	Algae Type: <input type="checkbox"/> Biofilm <input type="checkbox"/> Filamentous <input type="checkbox"/> Floating <input type="checkbox"/> Suspected HAB Amount: <input type="checkbox"/> Absent <input type="checkbox"/> Scarce <input type="checkbox"/> Moderate <input type="checkbox"/> Abundant	Bank Vegetation: <input type="checkbox"/> Trees <input type="checkbox"/> Shrubs <input type="checkbox"/> Grasses <input type="checkbox"/> Lawns <input type="checkbox"/> Invasive species <input type="checkbox"/> None <input type="checkbox"/> Other:	Tree Canopy (at full leaf): <input type="checkbox"/> Open (0-25%) <input type="checkbox"/> Mostly Open (25-50%) <input type="checkbox"/> Mostly Closed (50-75%) <input type="checkbox"/> Closed (75-100%)
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Land Uses in ¼ Mile Radius: <input type="checkbox"/> Rural/Low Density Residential <input type="checkbox"/> Medium Density Residential <input type="checkbox"/> High Density Residential <input type="checkbox"/> Urban <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Roads <input type="checkbox"/> Parking Lot	<input type="checkbox"/> Agriculture (cropland) <input type="checkbox"/> Agriculture (livestock) <input type="checkbox"/> Meadow/Field <input type="checkbox"/> Forested <input type="checkbox"/> Preserved Open Space <input type="checkbox"/> Athletic Fields <input type="checkbox"/> Construction <input type="checkbox"/> Other:	Structures: <input type="checkbox"/> None <input type="checkbox"/> Bridge <input type="checkbox"/> Culvert <input type="checkbox"/> Outfall <input type="checkbox"/> Dam <input type="checkbox"/> Drainage Ditch <input type="checkbox"/> Other:	Litter: <input type="checkbox"/> None <input type="checkbox"/> Scarce <input type="checkbox"/> Moderate <input type="checkbox"/> Abundant <input type="checkbox"/> Dump site Comments:	Wildlife Observations: <input type="checkbox"/> Fish <input type="checkbox"/> Frogs <input type="checkbox"/> Turtles <input type="checkbox"/> Crayfish <input type="checkbox"/> Clams/Mussels <input type="checkbox"/> Salamanders <input type="checkbox"/> Waterfowl <input type="checkbox"/> Other:
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Comments/Observations:

Site Sketch Indicate roads, buildings, landmarks, parking area, access point(s) to stream, stream flow direction, in-stream habitat for macroinvertebrate sampling (i.e. riffles, pools, aquatic vegetation, woody debris), outfalls, etc.:

Regional Scored Habitat Assessment: High Gradient Habitat Assessment Low Gradient Habitat Assessment

COMPLETE THIS SECTION ONLY IF MACROINVERTEBRATE SAMPLING WAS PERFORMED.

Sample Equipment: <input type="checkbox"/> D-net <input type="checkbox"/> Other:	Preservation Method: <input type="checkbox"/> Tier 3.3, 3.2: Detritus preservation <input type="checkbox"/> Organism-only preservation <input type="checkbox"/> None: Tier 3.1 Field identification <input type="checkbox"/> Other:	Form Attached: <input type="checkbox"/> Tier 3.3, 3.2: Chain of Custody Form <input type="checkbox"/> Tier 3.1: Macroinvertebrate Tally Sheet <input type="checkbox"/> Other:
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