

# Macro Physical Habitat Datasheet

Station Name: \_\_\_\_\_ Station Number: \_\_\_\_\_ Date: \_\_\_\_\_

<b>Instream Habitat Features</b>	<b>A</b>	Indicate % of each habitat type in the stream reach (100 ft above <b>and</b> below sample) (may not add to 100%): <ul style="list-style-type: none"> <li>• Cobble _____% <input type="checkbox"/> Gravel _____% <input type="checkbox"/> Sand _____% <input type="checkbox"/> Snags _____% <input type="checkbox"/> Vegetated Banks _____%</li> <li>• Submerged vegetation _____% <input type="checkbox"/> Algae _____%</li> </ul>																											
<b>Watershed Features</b>	<b>B</b>	Predominant Surrounding Land Use <u>Right Bank:</u> <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Forest</td> <td><input type="checkbox"/> Dense housing</td> <td><u>Left Bank:</u></td> <td><input type="checkbox"/> Forest</td> <td><input type="checkbox"/> Dense housing</td> </tr> <tr> <td><input type="checkbox"/> Field/pasture</td> <td><input type="checkbox"/> Sparse housing</td> <td><input type="checkbox"/> Field/pasture</td> <td><input type="checkbox"/> Sparse housing</td> <td><input type="checkbox"/> Sparse housing</td> </tr> <tr> <td><input type="checkbox"/> Irrigated</td> <td><input type="checkbox"/> Commercial</td> <td><input type="checkbox"/> Irrigated</td> <td><input type="checkbox"/> Commercial</td> <td><input type="checkbox"/> Commercial</td> </tr> <tr> <td><input type="checkbox"/> RR/hwy</td> <td><input type="checkbox"/> Industrial</td> <td><input type="checkbox"/> RR/hwy</td> <td><input type="checkbox"/> Industrial</td> <td><input type="checkbox"/> Industrial</td> </tr> <tr> <td><input type="checkbox"/> Park/Bike Path</td> <td><input type="checkbox"/> Other _____</td> <td><input type="checkbox"/> Park/Bike Path</td> <td><input type="checkbox"/> Other _____</td> <td><input type="checkbox"/> Other _____</td> </tr> </table>			<input type="checkbox"/> Forest	<input type="checkbox"/> Dense housing	<u>Left Bank:</u>	<input type="checkbox"/> Forest	<input type="checkbox"/> Dense housing	<input type="checkbox"/> Field/pasture	<input type="checkbox"/> Sparse housing	<input type="checkbox"/> Field/pasture	<input type="checkbox"/> Sparse housing	<input type="checkbox"/> Sparse housing	<input type="checkbox"/> Irrigated	<input type="checkbox"/> Commercial	<input type="checkbox"/> Irrigated	<input type="checkbox"/> Commercial	<input type="checkbox"/> Commercial	<input type="checkbox"/> RR/hwy	<input type="checkbox"/> Industrial	<input type="checkbox"/> RR/hwy	<input type="checkbox"/> Industrial	<input type="checkbox"/> Industrial	<input type="checkbox"/> Park/Bike Path	<input type="checkbox"/> Other _____	<input type="checkbox"/> Park/Bike Path	<input type="checkbox"/> Other _____	<input type="checkbox"/> Other _____
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<b>Localized Erosion</b>	<b>C</b>	<b>% Bare Bank Soil</b> <input type="checkbox"/> 80-100% <input type="checkbox"/> 10-39% <input type="checkbox"/> 40-79% <input type="checkbox"/> 0-9%	<b>Erosion Amount</b> <input type="checkbox"/> extensive <input type="checkbox"/> localized <input type="checkbox"/> some evidence <input type="checkbox"/> no evidence	<b>Bank Movement</b> <input type="checkbox"/> bank failures <input type="checkbox"/> slight <input type="checkbox"/> mod collapses <input type="checkbox"/> none																									
<b>Riparian Vegetation</b>	<b>D</b>	Indicate the dominant riparian zone vegetation type and record dominant species: <u>Right Bank:</u> <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Trees</td> <td><input type="checkbox"/> shrubs</td> <td><u>Left Bank:</u></td> <td><input type="checkbox"/> Trees</td> <td><input type="checkbox"/> shrubs</td> </tr> <tr> <td><input type="checkbox"/> grasses</td> <td><input type="checkbox"/> herbaceous</td> <td><input type="checkbox"/> grasses</td> <td><input type="checkbox"/> herbaceous</td> <td><input type="checkbox"/> herbaceous</td> </tr> <tr> <td><input type="checkbox"/> other _____</td> <td><input type="checkbox"/> other _____</td> <td><input type="checkbox"/> other _____</td> <td><input type="checkbox"/> other _____</td> <td><input type="checkbox"/> other _____</td> </tr> <tr> <td><input type="checkbox"/> dominant species _____</td> <td><input type="checkbox"/> dominant species _____</td> <td><input type="checkbox"/> dominant species _____</td> <td><input type="checkbox"/> dominant species _____</td> <td><input type="checkbox"/> dominant species _____</td> </tr> </table>		<input type="checkbox"/> Trees	<input type="checkbox"/> shrubs	<u>Left Bank:</u>	<input type="checkbox"/> Trees	<input type="checkbox"/> shrubs	<input type="checkbox"/> grasses	<input type="checkbox"/> herbaceous	<input type="checkbox"/> grasses	<input type="checkbox"/> herbaceous	<input type="checkbox"/> herbaceous	<input type="checkbox"/> other _____	<input type="checkbox"/> other _____	<input type="checkbox"/> other _____	<input type="checkbox"/> other _____	<input type="checkbox"/> other _____	<input type="checkbox"/> dominant species _____	<input type="checkbox"/> dominant species _____	<input type="checkbox"/> dominant species _____	<input type="checkbox"/> dominant species _____	<input type="checkbox"/> dominant species _____	<b>Riparian Zone</b> _____ ft Wide Left Bank _____ ft Wide Right Bank					
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<b>Aquatic Vegetation</b>	<b>E</b>	Indicate the <b>dominant vegetation</b> type instream (not on banks): <input type="checkbox"/> Rooted emergent <input type="checkbox"/> Submerging floating leaf <input type="checkbox"/> Rooted floating <input type="checkbox"/> Free Floating <input type="checkbox"/> Attached algae		<b>Portion of reach with aquatic Vegetation:</b> _____%																									
<b>Instream Features</b>	<b>F</b>	<b>Canopy Cover:</b> _____% of stream bank covered with Canopy/other	<b>% of Reach Stream:</b> <input type="checkbox"/> Riffle _____% <input type="checkbox"/> Pool _____% <input type="checkbox"/> Run _____%	Estimated <b>Wet</b> Water Width _____ Ft Estimated <b>Bank</b> Full Width _____ Ft Estimated average stream <b>depth</b> _____ Ft  <b>Channelized</b> <input type="checkbox"/> YES <input type="checkbox"/> NO																									

### Average Depth Profile of Representative Sample Transect

What is a transect? A transect is a straight line that cuts through a natural landscape so that standardized observations and measurements can be made. We are looking at creating a perpendicular line from one bank of your stream/river to the other bank. We want to collect average stream depths moving across this transect from one bank to the other. Select a location where you can safely wade across the river. Using your measuring stick, measure depths at 1 step intervals from bank to bank across the river and record each measurement below. Please mark your depth measurements in inches or feet (circle the measurement you used).

1. Measure the transect from bank to bank (wet water width): \_\_\_\_\_ ft.

Interval	Unit (ft/in)	Depth	Interval	Unit (ft/in)	Depth	Interval	Unit (ft/in)	Depth
<b>1</b>			<b>11</b>			<b>21</b>		
<b>2</b>			<b>12</b>			<b>22</b>		
<b>3</b>			<b>12</b>			<b>23</b>		
<b>4</b>			<b>14</b>			<b>24</b>		
<b>5</b>			<b>15</b>			<b>25</b>		
<b>6</b>			<b>16</b>			<b>26</b>		
<b>7</b>			<b>17</b>			<b>27</b>		
<b>8</b>			<b>18</b>			<b>28</b>		
<b>9</b>			<b>19</b>			<b>29</b>		
<b>10</b>			<b>20</b>			<b>30</b>		
<b>Sum</b>			<b>Sum</b>			<b>Sum</b>		

Total of Sum depths: \_\_\_\_\_

Total Intervals Measured: \_\_\_\_\_

**Average Depth (Divide Total Sums of Depths by Total Intervals Measured):** \_\_\_\_\_