

CITIZEN SCIENCE RAPID ASSESSMENT PROTOCOL

Road name: _____

River name: _____

Number of side-by-side culverts (e.g., "1" for single culvert, "2" for double culvert, etc.): _____

<p>Contact Information</p> <p>Name: _____</p> <p>Phone Number: (_____) _____</p> <p>Email: _____</p>

Culvert characteristics (check all that apply in each column):

Condition	Material	Shape	Floor/Ground Inside Culvert
<input type="checkbox"/> New	<input type="checkbox"/> Concrete	<input type="checkbox"/> Round ○	<input type="checkbox"/> Unnatural (e.g., metal or concrete floor)
<input type="checkbox"/> Old	<input type="checkbox"/> Corrugated Metal	<input type="checkbox"/> Pipe Arch ◩	<input type="checkbox"/> Natural (e.g., rocky, sandy, same as riverbed)
<input type="checkbox"/> Eroding	<input type="checkbox"/> Corrugated Plastic	<input type="checkbox"/> Open Bottom Arch ◪	
<input type="checkbox"/> Rusted	<input type="checkbox"/> Wood	<input type="checkbox"/> Box □	
<input type="checkbox"/> Collapsing	<input type="checkbox"/> Other	<input type="checkbox"/> Other	

Culvert Characteristics Notes: _____

Do you notice the following observations at, in, or near the culvert(s)? If the culvert has a waterfall at the outflow, give a rough estimate of the waterfall's height:

Culvert Baffles†	Riverbank Erosion	Beaver Dam	Fish Observed	Debris Blockage	Waterfall Created By Culvert At
<input type="checkbox"/> Yes	<input type="checkbox"/> Severe	<input type="checkbox"/> Upstream	<input type="checkbox"/> Upstream	<input type="checkbox"/> Inflow	<input type="checkbox"/> Inflow of culvert
<input type="checkbox"/> No	<input type="checkbox"/> Light	<input type="checkbox"/> Downstream	<input type="checkbox"/> Downstream	<input type="checkbox"/> Outflow	<input type="checkbox"/> Outflow (< 15 cm)
	<input type="checkbox"/> None	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> Outflow (15-40 cm)
† Baffles are small dam-like structures (usually made of concrete) placed inside of culverts with high water flow speeds. They serve to reduce the flow speed and create resting spots inside of the culvert for fish passing through.					<input type="checkbox"/> Outflow (> 40 cm)
					<input type="checkbox"/> No

Observational Notes: _____

If possible, provide pictures and the GPS coordinates of the culvert(s). (Many smartphone cameras have a settings option to automatically record and attach GPS coordinates to an image's properties whenever a picture is taken):

Latitude: _____ Longitude: _____

Additional Notes/Sketches: