

Atlantic Canadian Culvert Assessment Toolkit Watercourse Crossing Datasheet

Crossing Data						
Observers						
Crossing ID				Date Observed		
Road Type	<input type="checkbox"/> Public	<input type="checkbox"/> Rail Bed ROW	<input type="checkbox"/> Private	<input type="checkbox"/> Logging Road		
Road Name				Crossing Condition	<input type="checkbox"/> New	
Stream Name					<input type="checkbox"/> Old	
Upstream Habitat Gain					<input type="checkbox"/> Eroding	
Tidal Site	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Unknown <input type="checkbox"/>		<input type="checkbox"/> Rusted	
					<input type="checkbox"/> Collapsing	
Crossing Type	<input type="checkbox"/> Bridge <input type="checkbox"/> Ford <input type="checkbox"/> Dam <input type="checkbox"/> Removed <input type="checkbox"/> Inaccessible <input type="checkbox"/> Not Fish Habitat <input type="checkbox"/> Culvert # _____					
GPS Coordinates	LAT			LONG		
Beaver dam present	<input type="checkbox"/> Yes <input type="checkbox"/> No		Fish observed	<input type="checkbox"/> Upstream		<input type="checkbox"/> Downstream
Evidence of erosion	<input type="checkbox"/> Upstream (<input type="checkbox"/> Left bank <input type="checkbox"/> Right bank <input type="checkbox"/> Fill slope)			Estimated area of active erosion (m ²)		
	<input type="checkbox"/> Downstream (<input type="checkbox"/> Left bank <input type="checkbox"/> Right bank <input type="checkbox"/> Fill slope)					

Photo IDs			
Upstream			Downstream
Inlet			Outlet
Other			Other

Structure 1					
Debris blockage present	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Description of debris		
Culvert material	<input type="checkbox"/> Concrete	<input type="checkbox"/> Corrugated Metal Pipe	<input type="checkbox"/> Corrugated Plastic	<input type="checkbox"/> Smooth	<input type="checkbox"/> Wood <input type="checkbox"/> Other
Culvert shape	<input type="checkbox"/> Round	<input type="checkbox"/> Pipe Arch	<input type="checkbox"/> Open bottom arch	<input type="checkbox"/> Box	
Culvert bottom	<input type="checkbox"/> Unnatural	<input type="checkbox"/> Natural	Culvert dimensions (m)	Width	Height
					Length
Backwatered	<input type="checkbox"/> 0% <input type="checkbox"/> 25% <input type="checkbox"/> 50% <input type="checkbox"/> 75% <input type="checkbox"/> 100%		Baffles	<input type="checkbox"/> Present	<input type="checkbox"/> Absent
Water depth in crossing matches that of stream: yes no (significantly deeper) no (significantly shallower)					
Water velocity in crossing matches that of stream: yes no (significantly faster) no (significantly slower)					
Embedment	<input type="checkbox"/> from upstream <input type="checkbox"/> from downstream		Length of Culvert with Embedment	<input type="checkbox"/> 0% <input type="checkbox"/> 25% <input type="checkbox"/> 50% <input type="checkbox"/> 75% <input type="checkbox"/> 100%	

Elevations (m)						
Station	BS	HI	FS	Elevation (HI - FS)	Distances (m)	Tailwater Control Bankfull Width: Distance from Tailwater Control to Second Riffle:
Inflow						
Outflow						
Tailwater Control						
Left Bankfull at Tailwater						
Right Bankfull at Tailwater						
Second Riffle						
Culvert Slope (%) (Inflow-Outflow)/Culvert length*100			Outflow Drop (outflow - tailwater control)			
Downstream Slope (Tailwater Control - Second Riffle/distance from tailwater control to second riffle)						

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Structure 2						
Debris blockage present	<input type="checkbox"/> Yes <input type="checkbox"/> No		Description of debris			
Culvert material	<input type="checkbox"/> Concrete <input type="checkbox"/> Corrugated Metal Pipe <input type="checkbox"/> Corrugated Plastic <input type="checkbox"/> Smooth <input type="checkbox"/> Wood <input type="checkbox"/> Other					
Culvert shape	<input type="checkbox"/> Round <input type="checkbox"/> Pipe Arch <input type="checkbox"/> Open bottom arch <input type="checkbox"/> Box					
Culvert bottom	<input type="checkbox"/> Unnatural <input type="checkbox"/> Natural	Culvert dimensions (m)		Width	Height	Length
Backwatered	<input type="checkbox"/> 0% <input type="checkbox"/> 25% <input type="checkbox"/> 50% <input type="checkbox"/> 75% <input type="checkbox"/> 100%			Baffles	<input type="checkbox"/> Present	<input type="checkbox"/> Absent
Water depth in crossing matches that of stream: yes no (significantly deeper) no (significantly shallower)						
Water velocity in crossing matches that of stream: yes no (significantly faster) no (significantly slower)						
Embedment	<input type="checkbox"/> from upstream <input type="checkbox"/> from downstream		Length of Culvert with Embedment		<input type="checkbox"/> 0% <input type="checkbox"/> 25% <input type="checkbox"/> 50% <input type="checkbox"/> 75% <input type="checkbox"/> 100%	

Elevations (m)						
Station	BS	HI	FS	Elevation (HI – FS)	Distances	Tailwater Control Bankfull Width: Distance from Tailwater Control to Second Riffle:
Inflow						
Outflow						
Tailwater Control						
Left Bankfull at Tailwater						
Right Bankfull at Tailwater						
Second Riffle						
Culvert Slope (%) (Inflow-Outflow)/Culvert length*100					Outflow Drop (outflow – tailwater control)	
Downstream Slope (Tailwater Control – Second Riffle/distance from tailwater control to second riffle)						

Structure 3						
Debris blockage present	<input type="checkbox"/> Yes <input type="checkbox"/> No		Description of debris			
Culvert material	<input type="checkbox"/> Concrete <input type="checkbox"/> Corrugated Metal Pipe <input type="checkbox"/> Corrugated Plastic <input type="checkbox"/> Smooth <input type="checkbox"/> Wood <input type="checkbox"/> Other					
Culvert shape	<input type="checkbox"/> Round <input type="checkbox"/> Pipe Arch <input type="checkbox"/> Open bottom arch <input type="checkbox"/> Box					
Culvert bottom	<input type="checkbox"/> Unnatural <input type="checkbox"/> Natural	Culvert dimensions (m)		Width	Height	Length
Backwatered	<input type="checkbox"/> 0% <input type="checkbox"/> 25% <input type="checkbox"/> 50% <input type="checkbox"/> 75% <input type="checkbox"/> 100%			Baffles	<input type="checkbox"/> Present	<input type="checkbox"/> Absent
Water depth in crossing matches that of stream: yes no (significantly deeper) no (significantly shallower)						
Water velocity in crossing matches that of stream: yes no (significantly faster) no (significantly slower)						
Embedment	<input type="checkbox"/> from upstream <input type="checkbox"/> from downstream		Length of Culvert with Embedment		<input type="checkbox"/> 0% <input type="checkbox"/> 25% <input type="checkbox"/> 50% <input type="checkbox"/> 75% <input type="checkbox"/> 100%	

Elevations						
Station	BS	HI	FS	Elevation (HI – FS)	Measurements	Tailwater Control Bankfull Width: Distance from Tailwater Control to Second Riffle:
Inflow						
Outflow						
Tailwater Control						
Left Bankfull at Tailwater						
Right Bankfull at Tailwater						
Second Riffle						
Culvert Slope (%) (Inflow-Outflow)/Culvert length*100					Outflow Drop (outflow – tailwater control)	
Downstream Slope (Tailwater Control – Second Riffle/distance from tailwater control to second riffle)						

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