

GRCA Preconsultation Checklist - Aquatic Resources

The objective of the Preconsultation process is the definition of a terms of reference for the reporting and analysis required to support a proposed development application. This checklist is intended to provide a brief synopsis of the expectations of both the GRCA and the Consultant team, and should be completed jointly, prior to the initiation of studies and/or detailed design work. It is anticipated that the preparation of this checklist will help ensure complete submissions thereby minimizing the time and effort spent in the review / approval process. This checklist should be included with all submissions. The checklist will be updated periodically, with the current version available for download from the GRCA website (www.grandriver.ca).

Project Name / Type of Application (Subdivision, Permit, EA, etc.)				GRCA ID #:			UTM Coordinates:				
Type of Waterbody	Major River	Creek	Municipal Drain	Unnamed Trib.	Existing Storm Channel	Wetland	On Line Pond	Off Line Pond	Other:		
Existing Waterbody Criteria											
Water Flow Regime	Perennial	Intermittent	Ephemeral	Regulated	Unknown						
Thermal Regime	Cold Water	Cool Water	Warm Water	Unknown							
Fish Community	Cold Water Indicators	Cool Water Indicators	Warm Water Indicators	Baitfish	Species at Risk	Invasive or Nuisance Species	Migratory Species	Other:			
Fish Habitat	Spawning	Nursery	Riffles	Pools	Undercut Banks	Groundwater Upwellings	Woody Debris	Boulder Clusters	Vegetation	Other:	
Groundwater Indicators	Upwellings	Seepage	Vegetation (e.g. watercress, veronica)		Other:					N/A	
Channel Characteristics (Geomorphology)	Substrate	Bank Slopes & Stability	Bankfull Width & Depth	Bars and/or Islands	Typical Bedloads	Other:					
Vegetation	Instream	Riparian	Floodplain	Adjacent Upland	Other:					N/A	
Soils and/or Surficial Geology	Sand/Gravel	Clay	Tills	Organic	Other:						
Channel/Reach History	Natural Channel Design	Channel Realignment	Maintenance eg. Dredging	Fish Habitat Creation	Tree or Shrub Planting	Historical Structures (dam or crossing)	Habitat Rehabilitation / Restoration	Natural State	Agricultural Impacts	Other:	
Impact Assessment of Proposed Work											
Water Flow Regime	Increase	Decrease	Seasonal Fluctuations	No Change	N/A						
Thermal	Warming	Cooling	Temporary	Permanent	No Change						
Fish Habitat	Spawning Grounds	Nursery / Rearing	Food Supply	Corridors	Refuge	Alteration	Disruption	Destruction	N/A		
Water Quantity	Increase	Decrease	Seasonal Fluctuations	Water Taking	SWM	N/A					
Water Quality	SWM	Dissolved Oxygen	Total Suspended Solids	Phosphorous	Nitrates	N/A					Other:
Groundwater	Interception	Direction	Seasonal Fluctuations	Changes in Baseflow	Contribution to Fish Habitat	N/A					Other:
Erosion / Bank Stability	Temporary	Continual	Armouring	Downcutting	Downstream Sedimentation	N/A					
Footprint	Infill	Piers	Culverts	Docks	Dam Removal	Dam Retrofit	Bridge Retrofit	Bridge Replacement	SWM Outlet	Pipeline	Other:
Barriers	Temporary	Permanent	Full Removal	Partial Removal	Loss of Fish Passage	Dam Failure	Velocity	N/A			
Dredging	Width/Depth Ratio	Bottom Only	Banks Only	Mid-channel Only	Spot Removal	N/A					Other:
Vegetation	Instream Submergent	Instream Emergent	Floating	Riparian	Floodplain	Upland	Removal	N/A			
Stream Slope/Length	Increased Slope	Decreased Slope	Increased Length	Decreased Length	N/A						
Administrative											
Permit Requirements	Erosion & Sediment Control	Dewatering Plans	Construction Sequencing	Pre-Construction Meeting	Letter of Advice	DFO Authorization	Navigable Waters Protection Act	Species At Risk Act (SARA)	Lakes & Rivers Improvement Act (LRIA)	Public Lands Act (PLA)	
Monitoring Requirements	DFO	Construction	SWM	Other:							
Timelines / Expectations	In-Water Works	Fisheries Timing Window	Fisheries Act Referral	Navigable Waters Protection Act	Construction	Canadian Environment Assessment Act (CEAA)					
Other Criteria & Additional Notes (attach additional information as required)											
Consultant Team Contact Info:		Landowner Contact Info:					Checklist Prepared by::				
		GRCA Contact Info:					Date:				