

## Revelstoke Reservoir – mid- Columbia River

The following are interests area residents identified in past public engagements.

Category	Sub-category	Objective	Notes
<b>General</b>	<ul style="list-style-type: none"> <li>• Ecosystem integrity</li> <li>• Climate Change</li> <li>• Balance competing land use needs.</li> </ul>	<ul style="list-style-type: none"> <li>• Support ecosystem resilience and productivity</li> <li>• Understand impact of climate change on water levels</li> </ul>	
<b>Recreation</b>	<ul style="list-style-type: none"> <li>• Water and shoreline access for recreation</li> <li>• Water access for boating and fishing</li> <li>• Aesthetic impact from low water levels</li> <li>• Safety</li> </ul>	<ul style="list-style-type: none"> <li>• Maximize quality and diversity of recreational activities</li> <li>• Boating access for recreational and fish harvest</li> <li>• Swimming safety</li> <li>• Boating safety issues associated with stumps, sandbars, debris, wind and fluctuating water levels.</li> </ul>	<ul style="list-style-type: none"> <li>• Building and maintenance of infrastructure – boat ramps</li> <li>• Debris management on Revelstoke Reservoir</li> <li>• Higher reservoir levels in Aug and Sept</li> </ul>
<b>Quality of Life</b>	<ul style="list-style-type: none"> <li>• Aesthetic impacts from low water levels</li> <li>• Water quality</li> <li>• Health and nuisance issues like mosquitoes</li> </ul>	<ul style="list-style-type: none"> <li>• Maximize quality of life for residents</li> </ul>	
<b>Flood and Erosion</b>	<ul style="list-style-type: none"> <li>• Property Damage</li> </ul>	<ul style="list-style-type: none"> <li>• Minimize erosion of waterfront properties</li> <li>• Maximize reservoir stability</li> </ul>	
<b>Wildlife and vegetation</b>	<ul style="list-style-type: none"> <li>• Wetlands</li> <li>• Migratory birds</li> <li>• Nesting Habitat</li> <li>• Wildlife habitat</li> <li>• Riparian Habitat</li> <li>• Painted turtles</li> </ul>	<ul style="list-style-type: none"> <li>• Lower reservoir levels in the spring and summer to protect migrating birds</li> <li>• Maximize capacity of wetlands and other bird habitat to provide for spring nesting, shore birds and fall migratory birds.</li> <li>• Maximize abundance and diversity of wildlife populations</li> <li>• Maximize wildlife habitat</li> </ul>	<ul style="list-style-type: none"> <li>• Protect nesting birds in Revelstoke Wetlands by maintaining lower reservoir levels in spring and early summer</li> <li>• Arrow Reservoir Wildlife Management Plan – 7 studies &amp; physical works</li> <li>• Columbia Basin Amphibian Inventory</li> <li>• Arrow Re-vegetation Management Plan uses local species and</li> </ul>

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			traditional plants where possible. <ul style="list-style-type: none"> <li>FWCP – West Kootenay Enhancement program for ungulates</li> <li>Painted turtle nest site enhancement and monitoring at Red Devil Hill</li> </ul>
<b>Fish and Aquatic Resources</b>	<ul style="list-style-type: none"> <li>White Sturgeon</li> <li>Kokanee</li> <li>Bull Trout</li> <li>Cutthroat Trout</li> <li>Rainbow Trout</li> <li>Whitefish</li> <li>Salmon</li> </ul>	<ul style="list-style-type: none"> <li>Maximize Revelstoke Reservoir stability to maximize fish productivity</li> <li>Increase tributary access and minimize migration barriers during Kokanee and bulltrout spawning.</li> <li>Build self sustaining population of white sturgeon.</li> <li>Require minimum flows at Mica and Revelstoke to support fish</li> <li>Maximize juvenile recruitment of white sturgeon</li> <li>Maximize the abundance, diversity and condition of priority fish species.</li> <li>Minimize predation of key species.</li> <li>Minimize possible negative effects on fish and their habitats</li> <li>Fish ladders on dams</li> <li>Bring Salmon up the Columbia if technically and economically feasible</li> </ul>	<ul style="list-style-type: none"> <li>Reduce the number of events where the Revelstoke reservoir drops more than 0.25m over 1-3 day period from Jun 1 – Sept 30</li> <li>Arrow – Mid-Columbia White Sturgeon Aquaculture Program – alignment with CPC</li> <li>Revelstoke Flow Management Plan - 5 kcfs experimental flow release program to benefit juvenile recruitment of sturgeon</li> <li>Backwatering of the Arrow Lakes to Revelstoke in August impacts sturgeon spawning</li> <li>Hill Creek spawning channel for Kokanee</li> <li>Minimum flow of 5 kcfs at Mica for sturgeon and other species.</li> <li>Mica Management Plan - impacts of Mica 5 &amp; 6 on</li> </ul>

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<b>First Nations</b>	<ul style="list-style-type: none"> <li>• Representation of aboriginal interests</li> <li>• Understand and protect cultural/archaeological sites and artefacts</li> <li>• Support and ensure First Nations’ ability to harvest traditional plants, fish and wildlife for food, cultural and ceremonial purposes</li> <li>• First Nation involvement in research, monitoring and management</li> </ul>	<ul style="list-style-type: none"> <li>• Increase understanding of sites and their locations</li> <li>• Minimize erosion impacts of water on potential archaeological zones</li> <li>• Minimize impact of destructive human behaviour</li> <li>• Access to archaeological sites by appropriate people</li> <li>• Abundance/ diversity of traditional plants, fish &amp; wildlife</li> <li>• Reservoir levels high enough to access tributaries</li> </ul>	<p>amphibians / reptiles</p> <ul style="list-style-type: none"> <li>• Separate First Nations consultation process under the Columbia River Treaty Review</li> <li>• BC Hydro Reservoir Archaeology Program</li> <li>• Initial 1 year study of Revelstoke cultural and archaeological site locations completed</li> <li>• Arrow site survey and inventory work has been initiated, an initial 2 year study completed (at least 50 sites identified) and continuing studies to be conducted.</li> <li>• Physical protection of known sites.</li> </ul>
<b>Commercial Interests/ Economic Development</b>	<ul style="list-style-type: none"> <li>• Forestry - Increased cost to harvest reduced timber resources</li> <li>• Waterfront property development – recreational property &amp; tourism businesses</li> <li>• Airport expansion</li> <li>• Navigation/Commercial transport</li> <li>• Aesthetic impacts for waterfront commercial properties</li> <li>• Agriculture</li> <li>• Guide Outfitter and Angling Guide</li> <li>• Reduce barriers/ increase opportunities for economic diversification</li> </ul>	<ul style="list-style-type: none"> <li>• Minimize barriers to accessing economic timber supply</li> <li>• Access to land fronting Revelstoke Reservoir</li> <li>• Navigation issues associated with stumps, sandbars, debris &amp; fluctuating water levels.</li> <li>• Boating access to reservoir</li> <li>• Optimize agriculture opportunities</li> <li>• Maximize wildlife viewing opportunities</li> <li>• Maximize quantity and size of fish in reservoir and river –</li> </ul>	<ul style="list-style-type: none"> <li>• Diminished land base creates conflict between commercial and environmental interests (eg forestry and wildlife habitat)</li> <li>• Development of waterfront properties north and south of Revelstoke reduced due to flooding</li> <li>• Old airport flooded, new airport lacks expansion room</li> <li>• Flooding of railway line south limits tourism opportunities</li> <li>• Fluctuating water levels reduces quantity and size of</li> </ul>

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	<ul style="list-style-type: none"> <li>• Power generation</li> </ul>	tourism opportunities <ul style="list-style-type: none"> <li>• Maximize business and economic development opportunities</li> <li>• Maximize power benefits</li> </ul>	fish -impacts fishing tourism <ul style="list-style-type: none"> <li>• Dykes/Weirs between Revelstoke and ferry – technical and economic feasibility?</li> </ul>