

Golden - Kinbasket Reservoir Region

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

Category	Sub-category	Objective	Notes
General	<ul style="list-style-type: none"> • Climate change • Environmental considerations • Reservoir levels • Balance competing land use needs 	<ul style="list-style-type: none"> • Impact of climate change on water flows • Environmental remediation • Drawdown levels in Kinbasket are low in spring and early summer – higher would benefit fish, wildlife & recreation 	<ul style="list-style-type: none"> • Assured Flood control plan under CRT calls for specific storage to be made available for freshet water
Flood and Erosion	<ul style="list-style-type: none"> • Property • Surcharging of reservoir • Industry impacts 	<ul style="list-style-type: none"> • Minimize bank erosion on private properties (from wave action) • Minimize debris along the shorelines from entering the reservoir by avoiding surcharging • Minimize erosion caused by industry 	<ul style="list-style-type: none"> • Surcharge level is above 2475 ft
Culture and Heritage	<ul style="list-style-type: none"> • Archaeological sites 	<ul style="list-style-type: none"> • Minimize erosion impacts of water on potential archaeological zones. 	<ul style="list-style-type: none"> • The majority of anticipated archaeological sites are thought to be located on the old valley bottom and therefore below the drawdown zone.
Quality of Life	<ul style="list-style-type: none"> • Dust Storms • Water quality • Aesthetic impacts created by low water levels • Power supply 	<ul style="list-style-type: none"> • Minimize periods of deep draw downs • Protection of ground water • Minimize dust generation 	
Recreation	<ul style="list-style-type: none"> • Water –based recreation • Shore-based recreation • Hunting and Fishing • Boating Safety • Infrastructure (eg. 	<ul style="list-style-type: none"> • Maximize the community benefits from recreation and tourism. • Maximize beach access and usability (which includes 	<ul style="list-style-type: none"> • Building and maintenance of infrastructure – boat ramps- e.g. Bush Harbour, Nixon Creek • Too slow reservoir refill in Spring - Boat

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	boat ramps) <ul style="list-style-type: none"> • Hunting and Fishing opportunities 	minimizing refloating of debris). <ul style="list-style-type: none"> • Boating access for recreation and fishing • Wind conditions can create boating safety issues • Maximize habitat to support hunting and fishing opportunities 	access issue <ul style="list-style-type: none"> • Kinbasket Recreation Management Plan (monitoring studies and physical works including new ramps, ramp extensions, dredging and debris management) • Debris Management Program • Min level 730 m (2395 ft) year round • Aug – Oct – prefer 749-751m
Wildlife and vegetation	<ul style="list-style-type: none"> • Riparian Habitat • Wetlands • Floodplain ecology • Protected Areas • Nesting Habitat • Wildlife habitat 	<ul style="list-style-type: none"> • Maximize vegetative growth in the drawdown zone (riparian habitat) • Wetland protection and enhancement • Maximize wildlife habitat • Maximize abundance and diversity of wildlife populations (also for hunting interests) • Northern Leopard Frog populations 	<ul style="list-style-type: none"> • Later refill date during growing season - greater the vegetative growth, especially in the flat deltas- e.g. Columbia Reach and Bush Arm. • Seeding Program goal is to establish the top 7 meters as riparian vegetation • Nestbox and cottonwood protection projects in the Columbia Wetlands. • Kinbasket Reservoir Fish and Wildlife Information Plan (13 monitoring studies) • Kinbasket Reservoir Revegetation Management Plan (11 monitoring studies and 5 physical works) -uses native species and plants with traditional use value

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			<ul style="list-style-type: none"> • Mica Management Plan – amphibians and reptiles in Kinbasket • Columbia Basin Amphibian Inventory • Northern Leopard Frog project (2010) (rearing/release program 2001-2005)
Fish and Aquatic Resources	<ul style="list-style-type: none"> • Rainbow Trout • Cutthroat Trout • Bull Trout (Dolly Varden) • Kokanee • Sturgeon • Salmon • Shore and reservoir productivity, including phytoplankton growth • Stranding/entrainment of fish eg Bush Arm • Habitat • Stream/River system enhancement • Water flows 	<ul style="list-style-type: none"> • Maximize shore and reservoir productivity • Improve phytoplankton growth for Kokanee in Kinbasket • Minimize additional drafts at Kinbasket that potentially result in increased entrainment of fish • Maximize fish access to tributaries • Consistent water flows for fisheries • Sustainable sturgeon population -Kinbasket • Bring Salmon up the Columbia if technically and economically feasible • Maximize abundance, diversity and condition of wild indigenous fish stocks in the Columbia system 	<ul style="list-style-type: none"> • Reservoir productivity is better when the reservoir is full June 1- Sept 30 • Shore productivity is supported through stable fuller levels through the growing season (April – Oct) • Assessment of Kinbasket Kokanee population (2008-) • 3-year Kinbasket sturgeon inventory – no sturgeon. Best spawning and larval rearing habitats are in the upper Columbia River downstream of Nicholson (2011). • Burbot, rainbow and bull trout life history and habitat use projects identified BCH Entrainment Strategy (Yr 1 complete)
First Nations	<ul style="list-style-type: none"> • Representation of aboriginal interests • Understand and protect cultural sites and artefacts • Support and ensure 	<ul style="list-style-type: none"> • Maximize understanding of sites and their locations • Minimize erosion impacts in sensitive 	<ul style="list-style-type: none"> • Separate First Nations consultation process under the Columbia River Treaty Review • BC Hydro Reservoir

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	<p>First Nations' ability to harvest for food, cultural and ceremonial purposes</p> <ul style="list-style-type: none"> • First Nation involvement in implementing research/monitoring/management activities 	<p>zones</p> <ul style="list-style-type: none"> • Minimize impact of destructive human behaviour • Appropriate access to archaeological sites • Abundance/ diversity of traditional plants and fish and wildlife populations to support First Nations harvesting and associated activities • Kokanee used for ceremonial purposes. 	<p>Archaeology Program</p> <ul style="list-style-type: none"> • Kinbasket site survey and reservoir advanced to 2012 from 2020 in response to First Nations' interest. • An initial 1 year site survey is complete and work at Bear Island conducted. Further work continue to 2021. • Exploratory excavations and monitoring underway • Funding to KNC to conduct studies re Kinbasket Archaeological Stewardship Plan
<p>Commercial Interests/Economic Development</p>	<ul style="list-style-type: none"> • Forestry - Increased cost to harvest reduced timber resources • Navigation/Commercial transport disruptions • Road access north • Aesthetic impacts for water front commercial properties • Guide Outfitters and Angling Guides • Reduce barriers/ increase opportunities for economic diversification 	<ul style="list-style-type: none"> • Minimize barriers to accessing economic timber supply • Maximize the frequency that commercially important routes are navigable and sites and are accessible • Navigation issues associated with stumps and debris • Boating access • Maximize business opportunities • Access to wildlife for guide outfitters • Quantity and size of fish – angling tourism 	<ul style="list-style-type: none"> • Diminished land base creates conflict between commercial and environmental interests (eg forestry and wildlife habitat)