

**Bridge Coastal Restoration Program:  
Bridge/Seton River Watersheds – Summary of Agency Fish Priorities**

<b>Species</b>	<b>Priority</b>	<b>Project</b>	<b>Agency</b>
<b>Fish (Bridge)</b>			
Coho Salmon	<b>high</b>	<b>Target of 1500-2000 spawners in Lower Bridge.</b>	DFO
	<b>high</b>	Focus on off-channel developments to increase rearing and spawning capacity downstream of Yalakom confluence (outside WUP study area).	DFO
	<b>high</b>	Apple Springs off-channel site and Horseshoe Bend off-channels sites identified as important.	
	<b>medium</b>	Feasibility studies in Terzaghi-Yalakom area to identify future restoration opportunities.	
Chinook Salmon	<b>medium</b>	<b>Targets set at 1000 spawners. Current escapement estimate at 500 spawners</b>	DFO
	<b>high</b>	Gravel assessment in restored channel downstream of Terzaghi to determine quality and if it needs to be augmented or replaced.	DFO
	<b>medium</b>	Removal of partial barrier on Yalakom to access upper watershed. DFO believes these areas were historically accessible.	DFO
	<b>medium</b>	Re-establish spawning platforms in Bridge upstream of Yalakom.	
Sockeye Salmon	<b>low</b>	Low priority for restoration and <b>no targets</b> set.	DFO
Pink Salmon	<b>low</b>	All available habitats are fully utilized and population is sustainable. <b>No targets</b> set.	DFO
Fish Passage	<b>low</b>	Available habitats are limited due to inundation.	
Unsupportable projects		DFO is concerned with any project which may impact coho and requests that this consideration be a screening element for project review.	
<b>Upper Bridge (above Terzaghi)</b>			MOE
Bull Trout and Rainbow Trout	<b>high</b>	Highest priority for Upper Bridge (above Terzaghi). <b>No formal targets set for bull trout</b> but a conservation concern. <b>Interim target identified for rainbow trout in Downton at 4000 spawners.</b> Current population is approximately 1000 spawners mostly in tributaries.	MOE
	<b>high</b>	Restoration projects in Hurley River and Cadwallader Creek	MOE
	<b>high</b>	Assessment of limiting factors in Gun Creek and Tyaughton Creek.	
	<b>high</b>	Re-establish lake outlets at Mowson Pond and Pearson Ponds to restore lost habitat.	
	<b>low</b>	Restoration in Marshall Creek. Opportunities are limited.	
	<b>medium</b>	Feasibility of restoration opportunities in McParlon Creek.	

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	<b>medium</b>	Removal of old mine dam in Cadwallader Creek	MOE
Kokanee	<b>medium</b>	Medium management priority. Limited information to provide targets or restoration opportunities.	MOE
Mountain Whitefish	<b>low</b>	No targets but these fish may be an important forage species for bull trout.	MOE
<b>Lower Bridge (d/s of Terzaghi)</b>			MOE
Steelhead Trout	<b>high</b>	Top priority, <b>Interim target set at several hundred to 1000 spawners</b> . Current population estimated to be between 160-370 spawners. Habitat not limiting at present but would be for high end of target.	MOE
	<b>medium</b>	Horseshoe Bend has multi-species potential for off-channel projects.	MOE
Bull Trout	<b>medium</b>	Current escapements at less than 200 but no specific targets provided since habitat is not limiting. No specific restoration projects identified.	MOE
Rainbow Trout	<b>medium</b>	RBT spawning populations appear to be stable in the Lower Bridge. No restoration projects were identified	MOE
Fish Passage	<b>low</b>	Fish Passage past Terzaghi Dam is not a current priority	MOE
Unsupportable projects	<b>high</b>	Fish passage projects in Yalakom River must include an evaluation of potential negative interactions with bull trout.	MOE
	<b>high</b>	MOE will not support introduction of non-native species in the Bridge watershed.	MOE
<b>Fish (Seton)</b>			
Coho Salmon	<b>high</b>	Target of 500 spawners in Lower Seton; 2500 spawners in Gates River; and 200 spawners in Portage River.	DFO
	<b>high</b>	Focus on off-channel developments to increase rearing and spawning capacity.	DFO
	<b>high</b>	Assessment of species composition and use of original Seton pink channels to provide insight into future works.	DFO
	<b>high</b>	Restoration work in the lower Seton Channel initially followed by work in the upper channel.	DFO
	<b>high</b>	Feasibility studies to identify restoration opportunities in Gates River.	DFO
	<b>low</b>	Restoration in Seton Portage	DFO
Chinook Salmon	<b>medium</b>	In Seton and Seton Portage. Targets set at 500 spawners in Seton and 250-500 spawners in Seton Portage	DFO
	<b>low</b>	In Gates River. DFO believes that any Chinook in Gates are strays and has no target.	DFO
	<b>high</b>	Assessment of mainstem spawning options in Seton River and where suitable projects undertaken.	DFO

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Sockeye Salmon	<b>low</b>	Low priority for restoration and no targets set. Ongoing success of the internationally funded spawning channel is a high priority.	DFO
Pink Salmon	<b>low</b>	All available habitats are fully utilized and population is sustainable.	DFO
All species	<b>high</b>	Assessment of fish passage and options to improve access above Seton Dam.	DFO
Steelhead and Rainbow Trout	<b>high</b>	Restoration work/habitat complexing in former pink channels is a high priority. This includes instream works and riparian planting	MOE
	<b>medium</b>	Feasibility to construct mainstem spawning platforms in Lower Seton and where feasible construct them.	MOE
	<b>low</b>	Restoration in Anderson Lake tributaries. Opportunities are limited.	
	<b>low</b>	Restoration in Seton Lake tributaries. Opportunities are limited.	
	<b>medium</b>	Feasibility of off-channel development in Seton Portage	
Bull trout	<b>high</b>	High management priority throughout the system. Limited information, no targets except in Anderson Lake where a target of 400-600 spawners was proposed.	MOE
	<b>high</b>	Restoration projects in the Portage River area specifically in Spyder and Whitecap Creeks.	MOE
	<b>high</b>	Relocation or screening of irrigation intake on Spyder Creek which is entraining bull trout.	MOE
	<b>high</b>	Feasibility studies to assess restoration opportunities in Gates River and its tributaries. Also high priority for rainbow trout.	
	<b>low</b>	Restoration projects in Seton and Anderson tributaries	MOE
Kokanee	<b>high</b>	Also known as “Gwenis” to FN. Seton Lake greatest priority for restoration. Lower priority for Anderson Lake.	MOE
	<b>high</b>	Assessments of impacts of sedimentation from Bridge on spawning success and identify options to improve spawning success.	MOE
	<b>high</b>	Undertake assessments to determine spawning locations in Seton Lake	MOE
Dolly Varden and Mountain Whitefish	<b>low</b>	Low management and restoration priority.	
Fish Passage		MOE supports assessments to look at improving fish passage at Seton Dam.	

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Species	Priority	Project	Agency	Conserv Framework
<b>Wildlife</b>				
Mule Deer	<b>high</b>	Winter and spring range enhancement and conservation Migration corridor conservation through buffers and habitat enhancement Studies on deer use of winter and spring range, and migration Winter/spring habitat mapping Mineral lick site documentation and conservation	MoE	6,6,6
Grizzly Bear	<b>high</b>	Enhancement and increased quantity of foraging habitat, denning habitat Conservation of movement corridors Projects should link to provincial Grizzly Bear Conservation Strategy	MoE	3,2,3
Mountain Goat	<b>high</b>	Inventory Winter range habitat enhancement Movement corridor conservation through buffers and habitat enhancement Access management Mineral lick site documentation and conservation	MoE	4,1,3
Spotted Owl	<b>high</b>	Needs landscape-level management Projects to link with Recovery Strategy	MoE	5,6,2
Tailed Frog	<b>high</b>	Conservation of streams and riparian habitats Conservation covenants on private lands Water quality initiatives Inventory and research needed	MoE	4,1,2
Sharp-tailed Grouse	<b>high</b>	Breeding and winter habitat enhancement potential	MoE	3,2,4
Riparian Habitat	<b>high</b>	Conservation covenants and restoration of damaged sites Permanent loss in BS watershed requires compensatory habitat in other watersheds as options are limited in BS	MoE CWS	na
Wetlands	<b>high</b>	Conservation and restoration to more natural conditions. Long term conservation. Permanent loss in BS watershed requires compensatory habitat in other watersheds as options are limited in BS	MoE CWS	na
Bighorn Sheep	<b>high</b>	Winter range habitat enhancement Winter range securement	MoE	4,6,3
Fisher	<b>high</b>	Inventory and landscape-level habitat management Enhancement of birthing and denning habitat	MoE	4,6,2

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Species At Risk in general	<b>High</b>	Inventory is key, we know very little about many species' distribution and abundance Assessment of species distribution and habitat potential Restoration of habitat Securement of Critical Habitat	MoE CWS	na
Moose	<b>high</b>	Population inventory Winter range and foraging habitat enhancement and increase	MoE	6,6,6
Riverine birds	<b>high</b>	Mergansers, American Dipper, Harlequin Duck, this species group affected by multiple BC Hydro operations Water quality, stream productivity and fisheries relationships Riparian conservation Research on genetics and dispersal of birds between river systems, connectivity of populations over larger scales Expansion of restoration beyond the BS watershed	CWS	AMD 6,6,6 HADU 4,1,3 COME 6,6,5
Western Screech-Owl	<b>high</b>	Riparian dependent Species at Risk, habitat restoration and securement potential. Inventory lacking Nest box programs?	MoE	6,2,4