

**Bridge Coastal Restoration Program:
Alouette River Watershed – Summary of Agency Priorities**

Species	Priority	Project	Agency
Fish			
Pink	high	target escapement for pink escapement of 15,000 spawners or alternatively 1 million pink fry.	DFO
	high	Development of spawning habitat located in areas not likely to be selected by chum salmon. Focus works in vicinity of the dam. Develop new habitat or redesign existing works.	DFO
	high	Hatchery augmentation when outmigration numbers are not consistent with previous brood escapements.	DFO
Chinook Salmon	high	target escapement for chinook at 500 naturally producing spawners	DFO
	high	Shift timing of returning adults, one month earlier through collecting early arrivals for brood and using hatchery facilities.	DFO
	high	Construction of new spawning areas in locations not favoured by chum salmon. This would include new projects or redesign of existing projects. Maybe combined projects for both chinook and pink.	DFO
	high	Improved access to or development of new off channel habitats to improve rearing capacity.	DFO
Coho Salmon	medium	Target for coho smolt production is 1400 smolts per km. Current coho production estimated to be ~30 % below target.	DFO
	medium	Projects designed to provide access to or develop off channel habitats	DFO
Sockeye Salmon		No targets identified at this time	DFO
	high	Ongoing WUP flow trial and studies.	DFO
	high	Physical transport (trap and truck) of sockeye above the dam	DFO
	low	Fishway at the dam.	DFO
Chum Salmon	low	Target escapement for chum at 125,000 spawners	DFO
	low	DFO believes that chum production is still improving but nearing capacity. DFO places a low priority on projects aimed at increasing chum production.	DFO
Nooksack Dace	high	No targets identified but SARA listed species	DFO
	high	Confirmation of presence or absence of Nooksack Dace in the Alouette	DFO/ Recovery Team
Salish Sucker	high	No targets identified but SARA listed species	DFO
	High	Confirmation of presence or absence of Salish Sucker in the Alouette.	DFO

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Steelhead trout (lower Alouette)	high	target of 4600 smolts and 600 adults. Current estimates of 200-500 adults suggest that stocks may be at a conservation concern.	MOE
	high	Pool and boulder habitat areas considered limiting habitat features. Any project which would increase pool and boulder habitat is considered a high priority	MOE
Cutthroat Trout (lower Alouette)	high	Blue listed, no targets provided	MOE
	high	Stream evaluations to determine stock status and habitat capacity required before restoration feasibility can be undertaken.	MOE
	high high	Feasibility assessments for habitat restoration projects in mainstem and tributary streams. Subject to completion of stream habitat and capacity assessments.	MOE
	high	Restoration projects aimed at accessing tributaries (removal of man-made barriers) and instream complexing.	MOE
			MOE
Char, Carp and Bass	low	Char are not a priority at this time. Bass and carp are invasive and MOE does not support any projects which would benefit these species.	MOE
	high	Projects which would control/reduce bass and carp populations.	MOE
Kokanee (Alouette Lake)	high	No target provided although population is currently higher than 250,000 and increasing	MOE
	high	Continued fertilization of Alouette Lake (a component of the DFO authorization for the Stave Falls upgrade).	MOE
	low	Since population is continuing to increase, additional restoration works are considered a low priority.	MOE
Multi-species (Gold Creek)	high	Stream fertilization and instream complexing would benefit rainbow, bull trout and cutthroat.	MOE
Species	Priority	Project	Agency
Wildlife			
Pacific water shrew	high	Recovery Team Activities Inventory (difficult but lack of data is a management problem) Recovery habitat assessment in watershed	MoE

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Pacific giant salamander	high	Conservation of streams and riparian habitats Conservation covenants on private lands Water quality initiatives Inventory and research needed	MoE
Painted turtle	high	Conservation of specific wetlands and nesting sites where they occur now Ongoing monitoring to determine if population is declining/stable/increasing	MoE & CWS
Western Screech-Owl	high	Riparian dependent Species at Risk, habitat restoration and securement potential.	MoE
Great Blue Heron	high	Species at Risk. Nesting habitat (riparian) and foraging habitat restoration and securement potential	MoE CWS
Riparian Habitat	high	Conservation covenants and restoration of damaged sites	MoE
Wetlands	high	Conservation and restoration to more natural conditions. Long term conservation.	MoE CWS
Species At Risk in general	High	Inventory is key, we know very little about many species' distribution and abundance Restoration of habitat Securement of Critical Habitat	MoE CWS
Ungulate winter range	high	Winter range enhancement Land securement Elk potential in Gold Creek?	MoE
Riverine birds	medium	Mergansers, American Dipper, Harlequin Duck 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	CWS
Band-tailed Pigeon	medium	Securement of critical mineral sites	MoE
Bald Eagle	Medium	Nesting and roosting habitat conservation Riparian covenants	MoE
Northern Goshawk	Medium	Breeding habitat conservation, landscape level land management	MoE

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Furbearers	low	Inventory and landscape-level habitat management	MoE