

Table 2: Potential sampling locations.

id	stream_name	wsc_code	utm_zone	utm_easting	utm_northing	watershed_group_code
5400202	Tributary to Fraser Lake	180-374000-33800-00000-0000-0000-000-000-000-000-000-000	10	388986	5997007	FRAN
5400203	Scotch Creek	180-374000-36600-00000-0000-0000-000-000-000-000-000-000	10	388277	5996946	FRAN
5401774	Sheraton Creek	180-374000-95200-01900-6160-0000-000-000-000-000-000-000	10	337849	6006826	FRAN
9902577	Beaverley Creek	180-069000-07200-00000-0000-0000-000-000-000-000-000-000	10	502369	5962508	LCHL
13900077	Hankins Creek	100-842800-00000-00000-0000-0000-000-000-000-000-000-000	10	691820	5904863	MORK
13900100	Snowshoe Creek	100-770300-00000-00000-0000-0000-000-000-000-000-000-000	10	650785	5934862	MORK
13900201	Driscoll Creek	100-698700-00000-00000-0000-0000-000-000-000-000-000-000	10	606373	5965783	MORK
13900260	Tributary to Sugarbowl Creek	100-683800-01900-12800-0000-0000-000-000-000-000-000-000	10	587920	5972459	MORK
13900308	Tributary to Fraser River	100-705400-00000-00000-0000-0000-000-000-000-000-000-000	10	607112	5971290	MORK
13900309	Tributary to Fraser River	100-706300-00000-00000-0000-0000-000-000-000-000-000-000	10	608028	5970651	MORK
13903184	Kenneth Creek	100-683800-00000-00000-0000-0000-000-000-000-000-000-000	10	582280	5975076	MORK
13903452	Tributary to Fraser River	—	10	604850	5973075	MORK
15600119	Clear Creek	180-296000-00000-00000-0000-0000-000-000-000-000-000-000	10	425559	5996140	NECR
15600122	Redmond Creek	180-305100-00000-00000-0000-0000-000-000-000-000-000-000	10	420920	5993688	NECR
15600277	Tributary to Nechako River	180-364700-00000-00000-0000-0000-000-000-000-000-000-000	10	399102	5996464	NECR
15600285	Nine Mile Creek	180-350800-00000-00000-0000-0000-000-000-000-000-000-000	10	403917	5998779	NECR
15602716	Tatsutnai Creek	180-360100-00000-00000-0000-0000-000-000-000-000-000-000	10	400817	5997662	NECR
19702017	Bittner Creek	100-572700-00000-00000-0000-0000-000-000-000-000-000-000	10	521562	5976182	TABR

id	stream_name	wsc_code	utm_zone	utm_easting	utm_northing	watershed_group_code
22201176	Teepee Creek	100-907400-42800-00000-00000-000-000-000-000-000-000-000	11	344030	5862738	UFRA
22201229	Holliday Creek	100-864700-00000-00000-00000-000-000-000-000-000-000-000-000	11	305966	5896003	UFRA
24715754	Tributary to Fraser River	100-654700-00000-00000-00000-000-000-000-000-000-000-000-000	10	576133	5992812	MORK

Table 3: Potential sample site details

id	stream_name	sp_upstr	fish_tags
5400202	Tributary to Fraser Lake	–	150
5400203	Scotch Creek	–	150
5401774	Sheraton Creek	RB	150
9902577	Beaverley Creek	BB;CAS;CBC;CH;CSU;DV;KO;LNC;LSU;MW;NSC;PCC;RB;RSC;SU	150
13900077	Hankins Creek	–	150
13900100	Snowshoe Creek	EB;LKC;RB;RSC;ST	150
13900201	Driscoll Creek	CCG;RB	150
13900260	Tributary to Sugarbowl Creek	–	150
13900308	Tributary to Fraser River	–	150
13900309	Tributary to Fraser River	–	150
13903184	Kenneth Creek	BT;CC;CCG;CH;LSU;RB	150
13903452	Tributary to Fraser River	–	150
15600119	Clear Creek	LKC;LSU	150
15600122	Redmond Creek	–	150
15600277	Tributary to Nechako River	SP	150
15600285	Nine Mile Creek	RB	150
15602716	Tatsutnai Creek	RB	150
19702017	Bittner Creek	CCG;CH;CSU;LSU;RB;RSC;SP;SU;WSU	150
22201176	Teepee Creek	SA	150
22201229	Holliday Creek	–	150
24715754	Tributary to Fraser River	RB	150

Table 4: Fish species recorded in the Fisheries Information Summary System within the freshwater atlas watershed group areas where the potential sample sites are located.

Scientific Name	Species Name	Species Code	BC List	COSEWIC	SARA	Francois Lake	Lower Chilako	Nechako	Upper Fraser
Acipenser transmontanus	White Sturgeon	WSG	No Status	E/T (Nov 2012)	1-E	Yes	Yes	Yes	–
Carassius auratus	Goldfish	GC	Exotic	–	–	–	Yes	–	–
Catostomus bondi	Northern Mountain Sucker	MSU	Blue	T (Dec 2022)	–	–	Yes	–	–
Catostomus catostomus	Longnose Sucker	LSU	Yellow	–	–	Yes	Yes	Yes	Yes
Catostomus columbianus	Bridgellip Sucker	BSU	Yellow	–	–	Yes	–	Yes	–

Scientific Name	Species Name	Species Code	BC List	COSEWIC	SARA	Francois Lake	Lower Chilako	Nechako	Upper Fraser
Catostomus macrocheilus	Largescale Sucker	CSU	Yellow	–	–	Yes	Yes	Yes	–
Chrosomus neogaeus	Finescale Dace	FDC	Yellow	–	–	Yes	–	–	–
Coregonus clupeaformis	Lake Whitefish	LW	Yellow	–	–	Yes	Yes	Yes	–
Cottus asper	Prickly Sculpin	CAS	Yellow	–	–	Yes	Yes	Yes	–
Cottus cognatus	Slimy Sculpin	CCG	Yellow	–	–	Yes	Yes	Yes	Yes
Cottus ricei	Spoonhead Sculpin	CRI	Yellow	NAR (May 1989)	–	Yes	–	–	Yes
Couesius plumbeus	Lake Chub	LKC	Yellow	DD	–	Yes	Yes	Yes	Yes
Cyprinus carpio	Carp	CP	Exotic	–	–	Yes	–	–	–
Hybognathus hankinsoni	Brassy Minnow	BMC	No Status	–	–	Yes	Yes	Yes	–
Lota lota	Burbot	BB	Yellow	–	–	Yes	Yes	Yes	Yes
Micropterus salmoides	Largemouth Bass	LMB	Exotic	–	–	–	–	Yes	–
Mylocheilus caurinus	Peamouth Chub	PCC	Yellow	–	–	Yes	Yes	Yes	–
Oncorhynchus clarkii	Cutthroat Trout	CT	No Status	–	–	Yes	–	–	–
Oncorhynchus gorbuscha	Pink Salmon	PK	Not Reviewed	–	–	–	Yes	–	–
Oncorhynchus kisutch	Coho Salmon	CO	Not Reviewed	–	–	Yes	Yes	Yes	–
Oncorhynchus mykiss	Rainbow Trout	RB	Yellow	–	–	Yes	Yes	Yes	Yes
Oncorhynchus nerka	Kokanee	KO	Not Reviewed	–	–	Yes	Yes	Yes	Yes
Oncorhynchus nerka	Sockeye Salmon	SK	Not Reviewed	–	–	Yes	Yes	Yes	Yes
Oncorhynchus tshawytscha	Chinook Salmon	CH	Not Reviewed	E/T/SC/DD/NAR (Nov 2020)	–	Yes	Yes	Yes	Yes
Prosopium coulterii	Pygmy Whitefish	PW	Yellow	NAR (Nov 2016)	–	–	Yes	Yes	Yes
Prosopium williamsoni	Mountain Whitefish	MW	Yellow	–	–	Yes	Yes	Yes	Yes
Ptychocheilus oregonensis	Northern Pikeminnow	NSC	Yellow	–	–	Yes	Yes	Yes	–
Rhinichthys cataractae	Longnose Dace	LNC	Yellow	–	–	Yes	Yes	Yes	Yes
Rhinichthys falcatus	Leopard Dace	LDC	Yellow	NAR (May 1990)	–	Yes	Yes	Yes	–
Richardsonius balteatus	Redside Shiner	RSC	Yellow	–	–	Yes	Yes	Yes	–
Salvelinus confluentus	Anadromous Bull								