

APPENDIX A

Stream-line Data



STREAMNAME	SEG_NUMBER	WTRSRHCODE	DATE	TIME	CREW	WEATHER	AIRTEMP	WATER_TEMP	TEMISTAGE	LINE_TYPE	LINE_SRC	FISH_BEARI	FISH_SP1	FISH_SP2	COMMENTS	PHOTONUM
Coldstream Creek	1.0	310-839400-15400	10/14/07am		DD/KH/M	Partly Cloudy	22.0	14.0 low	14.0 low	Trumble	shn2008	Yes	General Fish Observn		Segment 1 is influenced by Kalamalka Lake levels; staging area, cover, absence of spawning gravels	IMGP4891
Coldstream Creek	2.0	310-839400-15400	1/3/9/8am		DD/WA/KH	Partly Cloudy	22.0	14.0 low	14.0 low	Trumble	shn2008	Yes	General Fish Observn		Open residential, associated modifications, narrow riparian band	IMGP4936
Coldstream Creek	3.0	310-839400-15400	10/13/07am		DD	Clear	23.0	14.0 low	14.0 low	Trumble	shn2008	Yes	General Fish Observn		Spurs of left bank, dog park right bank	IMGP4937
Coldstream Creek	4.0	310-839400-15400	10/31/07am		DD	Clear	23.0	14.0 low	14.0 low	Trumble	shn2008	Yes	General Fish Observn		Rural residential	IMGP4938
Coldstream Creek	5.0	310-839400-15400	01/30/39pm		DD	Clear	23.0	13.7 low	13.7 low	Trumble	shn2008	Yes	General Fish Observn		Rural residential	IMGP4939
Coldstream Creek	6.0	310-839400-15400	10/40/22am		DD/KH	Clear	22.0	11.7 low	11.7 low	Trumble	shn2008	Yes	General Fish Observn		Higher gradient near stream crossing; manicured lawn; limited riparian	IMGP4940
Coldstream Creek	7.0	310-839400-15400	11/4/21am		DD/KH	Clear	22.0	11.8 low	11.8 low	Trumble	shn2008	Yes	General Fish Observn		Increased density and width of riparian band upstream of park	IMGP4941
Coldstream Creek	8.0	310-839400-15400	12/16/13pm		DD	Clear	22.0	12.0 low	12.0 low	Trumble	shn2008	Yes	General Fish Observn		Ravine upstream of Coldstream Creek Rd, well-established riparian- non-native maple	IMGP4942
Coldstream Creek	9.0	310-839400-15400	12/5/14pm		DD	Clear	22.0	12.0 low	12.0 low	Trumble	shn2008	Yes	General Fish Observn		Rural/agricultural use both banks with natural vegetation	IMGP4943
Coldstream Creek	10.0	310-839400-15400	11/46/27pm		DD	Clear	22.0	11.5 low	11.5 low	Trumble	shn2008	Yes	General Fish Observn		Increased coniferous; agricultural fields/influence visible either side, seepage along rb, trb lb	IMGP4944
Coldstream Creek	12.0	310-839400-15400	12/33/59pm		DD	Clear	20.0	10.5 low	10.5 low	Trumble	shn2008	Yes	General Fish Observn		Agricultural landuse	IMGP4945
Coldstream Creek	13.0	310-839400-15400	12/33/59pm		DD	Clear	20.0	10.5 low	10.5 low	Trumble	shn2008	Yes	General Fish Observn		Open field to top of bank	IMGP4946
Coldstream Creek	14.0	310-839400-15400	12/33/59pm		DD	Clear	20.0	10.5 low	10.5 low	Trumble	shn2008	Yes	General Fish Observn		Sleep, incised eroding bank up to concrete flume - obstruction to fish passage at upstream end	IMGP4947
Coldstream Creek	15.0	310-839400-15400	08/22/17am		DD	Clear	18.0	10.5 low	10.5 low	Trumble	shn2008	Unconfirmed	General Fish Observn		Flooded area associated with dam	IMGP4948
Coldstream Creek	16.0	310-839400-15400	09/44/52am		DD	Clear	18.0	10.5 low	10.5 low	Trumble	shn2008	Yes	General Fish Observn		Native riparian band	IMGP4949
Coldstream Creek	17.0	310-839400-15400	12/04/43pm		DD	Clear	18.0	10.5 low	10.5 low	Trumble	shn2008	Yes	General Fish Observn		Slough-like and lwt at u/s end before Ricardo Rd	IMGP4950
Coldstream Creek	18.0	310-839400-15400	07/42/02am		DD	Clear	19.0	12.8 low	12.8 low	Trumble	shn2008	Yes	General Fish Observn		Channel more channelized-corn field-rb; industrial lb	IMGP4951
Coldstream Creek	19.0	310-839400-15400	11/28/19am		DD	Clear	19.0	12.8 low	12.8 low	Trumble	shn2008	Yes	General Fish Observn		Hydraulic character changes to slough, beaver influence	IMGP4952
Coldstream Creek	20.0	310-839400-15400	11/46/44am		DD	Clear	19.0	12.8 low	12.8 low	Trumble	shn2008	Yes	General Fish Observn		Beaver activity widening channel-willow swamp and open water	IMGP4953
Coldstream Creek	21.0	310-839400-15400	12/40/06pm		DD	Clear	19.0	14.0 low	14.0 low	Trumble	shn2008	Yes	General Fish Observn		Upstream of willow swamp, narrower channel cottonwood-dist.riparian	IMGP4954
Coldstream Creek	22.0	310-839400-15400	03/02/16pm		DD	Clear	20.0	14.5 low	14.5 low	Trumble	shn2008	Yes	General Fish Observn		Agricultural influence both banks, narrow riparian band	IMGP4955
Coldstream Creek	23.0	310-839400-15400	12/26/08am		DD	Over cast	10.0	9.4 low	9.4 low	Trumble	shn2008	Yes	General Fish Observn		Cottonwood band; gravel pit operations nearby	IMGP4956
Coldstream Creek	24.0	310-839400-15400	12/26/08am		DD	Over cast	10.0	9.4 low	9.4 low	Trumble	shn2008	Yes	General Fish Observn		Upstream of willow swamp, narrower channel cottonwood-dist.riparian	IMGP4957
Coldstream Creek	25.0	310-839400-15400	10/52/39pm		DD	Over cast	10.0	9.6 low	9.6 low	Trumble	shn2008	Yes	General Fish Observn		Upstream of willow swamp, narrower channel cottonwood-dist.riparian	IMGP4958
Coldstream Creek	26.0	310-839400-15400	10/52/39pm		DD	Over cast	10.0	9.6 low	9.6 low	Trumble	shn2008	Yes	General Fish Observn		Agricultural influence both banks, narrow riparian band	IMGP4959
Coldstream Creek	27.0	310-839400-15400	12/18/10pm		DD	Clear	9.0	8.2 low	8.2 low	Trumble	shn2008	Yes	General Fish Observn		Transition from rural residential to agricultural landuse	IMGP4960
Coldstream Creek	28.0	310-839400-15400	08/00/55am		DD	Partly Cloudy	9.0	7.1 low	7.1 low	Trumble	shn2008	Yes	General Fish Observn		Rural residential/agricultural, wetlands, seepage along banks	IMGP4961
Coldstream Creek	29.0	310-839400-15400	08/00/55am		DD	Partly Cloudy	9.0	7.1 low	7.1 low	Trumble	shn2008	Unconfirmed	General Fish Observn		Wide broadleaf riparian along left bank, field/horses along right bank	IMGP4962
Coldstream Creek	30.0	310-839400-15400	04/28/12pm		DD	Partly Cloudy	11.0	6.0 dry	6.0 dry	Trumble	shn2008	Yes	General Fish Observn		Stream channel becomes stagnant/intermittent towards upstream end of segment; wetlands lb, rural	IMGP4963
Coldstream Creek	31.0	310-839400-15400	09/35/04am		DD	Clear	11.5	6.9 low	6.9 low	Trumble	shn2008	Yes	General Fish Observn		Field, livestock enclosure, dry with exception of deep residual pools at upstream end near culverts	IMGP4964
Coldstream Creek	32.0	310-839400-15400	11/08/28am		DD	Clear	11.5	6.9 low	6.9 low	Trumble	shn2008	Yes	General Fish Observn		Livestock enclosure, streamside grazing, lack of riparian vegetation	IMGP4965
Coldstream Creek	33.0	310-839400-15400	12/21/48pm		DD	Clear	11.5	7.7 low	7.7 low	Trumble	shn2008	Unconfirmed	General Fish Observn		Livestock access to stream-more vegetated at downstream end, wetland in left bank riparian; erosion	IMGP4966
Coldstream Creek	34.0	310-839400-15400	02/30/49pm		DD	Clear	11.5	7.7 dry	7.7 dry	Trumble	shn2008	Unconfirmed	General Fish Observn		Reed canopy grass, cattails, channel dry in some areas, possible livestock access, but not constant	IMGP4967
Coldstream Creek	35.0	310-839400-15400	02/51/11pm		DD	Clear	11.5	9.2 low	9.2 low	Trumble	shn2008	Unconfirmed	General Fish Observn		Livestock grazing, dry channel, veg in poorer condition-more weeds	IMGP4968
Coldstream Creek	36.0	310-839400-15400	09/50/11am		DD	Over cast	10.0	7.6 low	7.6 low	Trumble	shn2008	Yes	General Fish Observn		Highway influence along rb	IMGP4969
Coldstream Creek	37.0	310-839400-15400	12/31/56pm		DD	Over cast	10.0	7.6 low	7.6 low	Trumble	shn2008	Yes	General Fish Observn		Pasture rd-fenced horses, field lb, channelized-narrow riparian	IMGP4970
Coldstream Creek	38.0	310-839400-15400	12/19/20pm		DD	Light Rain	9.0	7.5 low	7.5 low	Trumble	shn2008	Yes	General Fish Observn		No longer field lb-rural residential, less confined channel	IMGP4971
Coldstream Creek	39.0	310-839400-15400	02/50/43pm		DD	Partly Cloudy	10.0	7.5 low	7.5 low	Trumble	shn2008	Yes	General Fish Observn		Rural residential upstream to highway crossing	IMGP4972
Coldstream Creek	40.0	310-839400-15400	04/36/36pm		DD	Partly Cloudy	10.0	7.5 low	7.5 low	Trumble	shn2008	Yes	General Fish Observn		Highway parallels left bank, rural residential right bank	IMGP4973
Coldstream Creek	41.0	310-839400-15400	11/41/13am		DD	Light Rain	9.0	7.4 low	7.4 low	Trumble	shn2008	Yes	General Fish Observn		Wider riparian, mixed forest, steeper banks	IMGP4974
Coldstream Creek	42.0	310-839400-15400	01/30/10pm		DD	Light Rain	9.0	7.4 low	7.4 low	Trumble	shn2008	Yes	General Fish Observn		Creek heads away from highway influence; rural residential/natural	IMGP4975
Coldstream Creek															Cedars, consistent erosion, livestock	IMGP4976

STREAM/NAME	SEG_NUMBER	PRIMARY	SECONDARY	HYDRAULIC	COMT_CLASS	PERCENT_GROWN_CLOSPANNING_LIVESTOCK_BARS	ISLANDS
Coldstream Creek	1.0	Channelized		Slough	Kalamake Lake influences with backwatering	0.0 >80%	None
Coldstream Creek	2.0	Modified	Rifle/Pool	Rifle/Pool	Part fishery-playing field, skate park, dog park, right bank	1.5-1-90%	None
Coldstream Creek	4.0	Modified	Non-channelized	Rifle/Pool	Part fishery-playing field, skate park, dog park, right bank	1.5-1-90%	None
Coldstream Creek	5.0	Modified	Non-channelized	Rifle/Pool	Part fishery-playing field, skate park, dog park, right bank	2.0-1-90%	None
Coldstream Creek	6.0	Modified	Non-channelized	Rifle/Pool	Large rural properties, less modifications; native riparian, but some anthropogenic influence	2.0-1-90%	None
Coldstream Creek	7.0	Natural	Other	Rifle/Pool	Park, mature trees, matured turf ball field, fisheries enhancements have occurred	2.0-1-90%	None
Coldstream Creek	8.0	Natural	Other	Rifle/Pool	Rural, anthropogenic impacts low; native riparian veg, good recruitment of lwd, swd, fish habitat	2.0-1-90%	None
Coldstream Creek	9.0	Modified	Non-channelized	Rifle/Pool	Ravine, wide riparian band, non-native maturing deciduous forest; also includes native species	1.5 >80%	Side
Coldstream Creek	10.0	Modified	Non-channelized	Rifle/Pool	Agricultural field right bank out of ravine section, natural left bank	1.5-1-90%	Side
Coldstream Creek	11.0	Modified	Other	Rifle/Pool	Agricultural and rural properties with native riparian vegetation-riparian area varies in width	1.5-1-90%	Side
Coldstream Creek	12.0	Modified	Other	Rifle/Pool	Increasing riparian vegetation and stream character, agricultural influence; grasses, invasive weeds	1.0-1-90%	Side
Coldstream Creek	13.0	Modified	Other	Rifle/Pool	Lack of riparian vegetation	Unknown	Side
Coldstream Creek	14.0	Modified	Other	Rifle/Pool	Intensely modified to channelized, concrete waste and debris, rip rap, discharge	1.0-1-70%	Side
Coldstream Creek	15.0	Modified	Other	Slough	Water is backed up with dam; natural lb riparian, agriculture along rb	1.5-1-90%	Side
Coldstream Creek	16.0	Modified	Other	Rifle/Pool	Dense riparian band, ov; anthropogenic impacts beyond top of bank	1.0-1-90%	Side
Coldstream Creek	17.0	Modified	Other	Rifle/Pool	Narrow native riparian band, but both banks impacted; earth berm beyond lb	1.5-1-90%	Side
Coldstream Creek	18.0	Channelized	Beaver Pond	Slough	Series of beaver dams and persistent debris resulting in slough-0.5 m to over 1.7 m deep	Unknown	Side
Coldstream Creek	20.0	Modified	Beaver Pond	Slough	Wetland extends along left bank and beaver activity has resulted in a willow swamp-like environment	0.0-1-70%	Side
Coldstream Creek	21.0	Channelized	Other	Slough	Channelized-railway/disturbed left bank, agriculture right bank	0.0-1-90%	Side
Coldstream Creek	22.0	Modified	Other	Rifle/Pool	Rifle pool character at d/s and near segment break, but runs through hydrology for majority of seg	1.0-1-70%	Side
Coldstream Creek	23.0	Modified	Other	Rifle/Pool	Low gradient riparian, almost run	1.0-1-70%	Side
Coldstream Creek	24.0	Modified	Other	Rifle/Pool	Native riparian vegetation, with rural residential impacts alternating between both banks	1.0-1-90%	Side
Coldstream Creek	25.0	Modified	Non-channelized	Rifle/Pool	Agricultural influence both banks; livestock access, seepage	1.0-1-90%	Side
Coldstream Creek	26.0	Modified	Non-channelized	Rifle/Pool	Riparian area includes wetlands, field, agricultural and rural residential, with bands of native veg	1.0-1-90%	Side
Coldstream Creek	27.0	Modified	Non-channelized	Rifle/Pool	Well-established left bank riparian, encroachment along right bank, seepage	1.0-1-90%	Side
Coldstream Creek	28.0	Modified	Intermittent	Rifle/Pool	Hydraulic character run to rifle/pool-low flows at time of assessment	Unknown	Side
Coldstream Creek	29.0	Modified	Intermittent	Rifle/Pool	Field, riparian lacking, livestock enclosure; dry during assessment	Unknown	Side
Coldstream Creek	30.0	Modified	Intermittent	Rifle/Pool	Low water, deep residual pools	1.0-1-90%	Side
Coldstream Creek	31.0	Modified	Intermittent	Slough	Debris jams, erosion throughout, grazing and livestock access, several wildlife trees/mature trees	0.0-1-40%	Side
Coldstream Creek	32.0	Modified	Wetland	Slough	Slow moving through grasses, some cattails, sedges, rushes, willows	0.0-1-70%	Side
Coldstream Creek	33.0	Modified	Wetland	Run	Creek primarily dry in this segment during assessment	0.0-1-20%	Side
Coldstream Creek	34.0	Modified	Other	Run	Highway along rb, earth berm and livestock along lb-cottonwood regen, some riparian veg	0.0-1-20%	Side
Coldstream Creek	35.0	Modified	Other	Run	Horse pasture rb (fenced); field lb; native riparian band; both banks have been bermed	0.0-1-20%	Side
Coldstream Creek	36.0	Modified	Other	Rifle/Pool	Wider riparian, channel less confined	2.0-1-90%	Side
Coldstream Creek	37.0	Modified	Other	Rifle/Pool	Native riparian band, anthropogenic impacts associated with rural landuse	2.0-1-90%	Side
Coldstream Creek	38.0	Modified	Other	Rifle/Pool	Left bank influenced from Highway 6; right bank rural residential	1.5-1-90%	Side
Coldstream Creek	39.0	Modified	Other	Rifle/Pool	Highway runs parallel, but wider riparian and dense native vegetation	1.5-1-90%	Side
Coldstream Creek	40.0	Modified	Other	Rifle/Pool	Natural, private driveway lb, rural residential	2.0-1-90%	Side
Coldstream Creek	41.0	Natural	Other	Rifle/Pool	Cedar forest, erosion both banks consistent	2.0-1-90%	Side
Coldstream Creek	42.0	Natural	Other	Rifle/Pool	Cedar forest, erosion both banks consistent	2.5-1-90%	Side

STREAMNAME	SEG_NUMBER	COMT_CHAN	TOTAL_COVE_B	DP	IV	LWD_OV	SVD_UC	SPAN_COMT_COV	L_RIPCLASS	L_QUALIFIE
Coldstream Creek	1.0	Channelized	50	20	55	0	5	0	Broadleaf forest	Urban_Residential
Coldstream Creek	2.0	Modified with bank protection works and urban encroachment; meandering with narrow riparian bank	50	20	30	0	25	0	Broadleaf forest	Urban_Residential
Coldstream Creek	3.0	Less confined in this seg; increased riparian encroachment	50	30	30	0	15	10	Broadleaf forest	Rural_Residential
Coldstream Creek	4.0	Meandering stream, not channelized; previous grazing/livestock access in riparian area	25	40	30	1	5	5	Broadleaf forest	Rural_Residential
Coldstream Creek	5.0	Meandering, wider riparian area in general with limited confinement	60	5	23	2	25	5	Broadleaf forest	Recreation
Coldstream Creek	6.0	Meandering; little anthropogenic impact; natural stream processes	30	35	30	0	30	5	Broadleaf forest	Natural
Coldstream Creek	7.0	Meandering; little anthropogenic impact; natural stream processes	65	5	20	0	30	5	Broadleaf forest	Natural
Coldstream Creek	8.0	Some erosion, seeps along left bank	40	5	20	0	35	15	Broadleaf forest	Natural
Coldstream Creek	9.0	Eroding banks where stream meanders-not channelized	35	2	20	0	45	5	Broadleaf forest	Natural
Coldstream Creek	10.0	Eroding banks	40	10	20	0	45	5	Broadleaf forest	Natural
Coldstream Creek	11.0	Not confined, meandering, natural recruitment of lwd and swd	60	0	25	5	45	5	Broadleaf forest	Natural
Coldstream Creek	12.0	Meandering stream, not channelized; previous grazing/livestock access in riparian area	30	5	10	0	15	5	Broadleaf forest	Agriculture
Coldstream Creek	13.0	Meandering stream, not channelized; previous grazing/livestock access in riparian area	15	60	0	15	0	5	Broadleaf forest	Agriculture
Coldstream Creek	14.0	Erosion, bank armouring, steep, high banks, obstruction at u/s end, concrete flume	30	35	15	0	15	5	Broadleaf forest	Natural
Coldstream Creek	15.0	Variable depths-0.85m towards u/s; 1.5-2m at d/s end; variable widths	80	5	65	15	10	0	Broadleaf forest	Natural
Coldstream Creek	16.0		30	10	5	0	25	40	Broadleaf forest	Natural
Coldstream Creek	17.0	Variable depths-stream more channelized and deeper at u/s end of segment	45	15	20	0	40	10	Broadleaf forest	Disturbed
Coldstream Creek	18.0	Confined by adjacent land use and historic channelization.	35	5	5	0	25	30	Broadleaf forest	Disturbed
Coldstream Creek	19.0	Channel wider upstream of larger debris jam, wetted width between 3.5 m and 7.5 m	75	0	65	5	15	5	Broadleaf forest	Disturbed
Coldstream Creek	20.0	Variable widths; depths range from 0.4m-2m	65	0	65	15	10	5	Broadleaf forest	Disturbed
Coldstream Creek	21.0	Historically channelized with narrow riparian band	60	0	55	5	25	10	Herbigrasses	Agriculture
Coldstream Creek	22.0	Channel bankfull width varies from 3.5 to 6.4 m	40	0	15	25	10	35	Broadleaf forest	Disturbed
Coldstream Creek	23.0	Confined to some extent by road along to and associated disturbance, agriculture right bank	40	0	15	10	30	5	Broadleaf forest	Disturbed
Coldstream Creek	24.0	Meandering, relatively consistent width	55	0	25	10	30	5	Broadleaf forest	Agriculture
Coldstream Creek	25.0	Meandering, relatively consistent width	50	5	30	15	20	5	Broadleaf forest	Rural_Residential
Coldstream Creek	26.0	Channel width variable; more confined in open grass area	55	5	10	10	30	5	Broadleaf forest	Agriculture
Coldstream Creek	27.0	Meandering stream, not channelized	45	5	20	5	15	20	Broadleaf forest	Natural
Coldstream Creek	28.0		45	5	25	5	20	10	Broadleaf forest	Natural
Coldstream Creek	29.0	Wetted widths vary where no flows, but generally consistent	40	5	15	5	15	20	Broadleaf forest	Natural
Coldstream Creek	30.0	No flows at time of assessment	20	0	25	0	30	5	Herbigrasses	Agriculture
Coldstream Creek	31.0		30	0	70	0	5	0	Broadleaf forest	Agriculture
Coldstream Creek	32.0		35	0	45	0	25	5	Broadleaf forest	Agriculture
Coldstream Creek	33.0		30	0	20	15	2	30	Disturbed Wetland	Agriculture
Coldstream Creek	34.0	No flow during assessment, some residual pools	20	0	5	10	0	40	Herbigrasses	Agriculture
Coldstream Creek	35.0	Low flows to dry during assessment	30	35	25	0	5	25	Broadleaf forest	Agriculture
Coldstream Creek	36.0		35	0	35	5	30	5	Broadleaf forest	Agriculture
Coldstream Creek	37.0		35	5	30	0	25	10	Broadleaf forest	Rural_Residential
Coldstream Creek	38.0		30	0	25	0	25	30	Mixed forest	Rural_Residential
Coldstream Creek	39.0		30	30	15	0	20	15	Broadleaf forest	Disturbed
Coldstream Creek	40.0	Wider channel, less confined	35	0	10	0	40	20	Mixed forest	Disturbed
Coldstream Creek	41.0		35	5	10	0	30	25	Mixed forest	Rural_Residential
Coldstream Creek	42.0		35	10	20	0	30	15	Coniferous forest	Natural

STREAMNAME	SEG_NUMBER	L_STAGE	L_SHRUBS	L_SNAG	L_VETERAN	L_BANK_MAT	L_COMMENT	R_RIPCLASS	R_QUALIFIE	R_STAGE	R_SHRUBS	R_SNAG	R_VETERAN	R_BKSTBL	R_BANK_MAT
Coldstream Creek	1.0	mature forest	5-33%	<5	No	High	Narrow band of veg., mature Pacific willow provide canopy cover; bank- dense willow roots and rock	Broadleaf forest	Urban_Residential	mature forest	5-33%	<5	No	High	Cobble
Coldstream Creek	2.0	mature forest	5-33%	<5	No	High	Willow, cottonwood, red-osar dogwood, riparian bank, moose, bank-sports fields, some armouring	Broadleaf forest	Urban_Residential	mature forest	5-33%	<5	No	High	Cobble
Coldstream Creek	3.0	mature forest	34-66%	<5	No	Medium	Blunt, cottonwood, red-osar dogwood, riparian bank, moose, bank-sports fields, some armouring	Broadleaf forest	Rural_Residential	mature forest	34-66%	<5	No	Medium	Till
Coldstream Creek	4.0	mature forest	5-33%	<5	No	Medium	Natural riparian band with some agricultural influence, incl. livestock access and field	Broadleaf forest	Rural_Residential	mature forest	5-33%	<5	No	Medium	Till
Coldstream Creek	5.0	mature forest	67-100%	>=5	<5	High	Park, rock-armouring bank, mature willow and cottonwood, limited shrubs	Broadleaf forest	Recreation	mature forest	67-100%	>=5	No	High	RipRap
Coldstream Creek	6.0	mature forest	5-33%	<5	>=5	Medium	Some livestock-fenced bank, mature cottonwood, pine, fir, good recruitment low, rural/natural	Broadleaf forest	Natural	mature forest	67-100%	>=5	>=5	Medium	Till
Coldstream Creek	7.0	mature forest	67-100%	>=5	<5	Medium	Natural but historically modified with presence of mature non-native trees	Broadleaf forest	Rural_Residential	mature forest	34-66%	<5	<5	Medium	Fines
Coldstream Creek	8.0	mature forest	67-100%	>=5	<5	Medium	Non-native maple, mature cottonwoods, willow, alder, well-developed understory-ravine	Broadleaf forest	Rural_Residential	mature forest	34-66%	<5	<5	Medium	Fines
Coldstream Creek	10.0	mature forest	67-100%	>=5	<5	Medium	Agricultural/natural influence intermitently, bank armouring and narrower riparian band in sections	Mixed forest	Agriculture	young forest	5-33%	>=5	<5	Low	Fines
Coldstream Creek	11.0	mature forest	34-66%	>=5	<5	Medium	Open coniferous; previous livestock access-tracks/sat; Douglas fir, cedar, cottonwood, wetland/trib	Broadleaf forest	Agriculture	mature forest	5-33%	<5	No	Low	Fines
Coldstream Creek	12.0	mature forest	5-33%	>=5	No	Low	Disturbed with past livestock use of riparian, field beyond top	Broadleaf forest	Agriculture	Grass/Herb	5-33%	<5	No	Low	Fines
Coldstream Creek	13.0	Young Forest	5-33%	>=5	No	Low	Limited riparian, field beyond top	Broadleaf forest	Agriculture	mature forest	5-33%	<5	No	Low	Fines
Coldstream Creek	14.0	mature forest	5-33%	>=5	No	Low	Agricultural operations beyond riparian band	Broadleaf forest	Agriculture	young forest	5-33%	<5	No	Medium	Cobble
Coldstream Creek	15.0	mature forest	5-33%	>=5	<5	Low	Native, dense riparian vegetation, flooded; agricultural beyond riparian band	Broadleaf forest	Agriculture	young forest	5-33%	<5	No	Medium	Fines
Coldstream Creek	16.0	mature forest	34-66%	>=5	<5	Low	Agricultural influence beyond top of bank; wide riparian throughout much of segment	Broadleaf forest	Agriculture	mature forest	34-66%	>=5	<5	Medium	Fines
Coldstream Creek	17.0	mature forest	5-33%	>=5	<5	Low	Wide, well-vegetated riparian with areas of encroachment to top of bank, railway influence	Broadleaf forest	Agriculture	mature forest	5-33%	>=5	<5	Medium	Fines
Coldstream Creek	18.0	mature forest	5-33%	>=5	No	Low	Industrial and disturbed beyond top of bank; narrow riparian to top of bank, railway influence	Broadleaf forest	Agriculture	mature forest	5-33%	>=5	<5	Medium	Fines
Coldstream Creek	19.0	mature forest	5-33%	>=5	No	Low	Industrial, disturbed beyond top of bank; earth berm beyond left bank	Broadleaf forest	Agriculture	mature forest	5-33%	>=5	<5	Medium	Fines
Coldstream Creek	20.0	sapling >10m	5-33%	<5	No	Low	Industrial/railway-disturbed beyond top; invasive weeds, wetland-grasses, willow, cattail	Broadleaf forest	Agriculture	mature forest	5-33%	>=5	<5	Medium	Till
Coldstream Creek	21.0	mature forest	5-33%	>=5	No	Low	Railway and associated disturbance, invasive weeds, lack of riparian vegetation	Broadleaf forest	Agriculture	mature forest	5-33%	>=5	<5	Medium	Till
Coldstream Creek	22.0	Grass / Herb	5-33%	<5	No	Low	Agric. field beyond top; trees/shrubs at d/s end, then minimal	Broadleaf forest	Agriculture	mature forest	5-33%	>=5	<5	Low	Fines
Coldstream Creek	23.0	mature forest	5-33%	<5	No	Low	Good riparian cover, narrow native riparian band	Broadleaf forest	Disturbed	mature forest	5-33%	>=5	<5	Low	Fines
Coldstream Creek	24.0	mature forest	5-33%	<5	No	Low	Good riparian cover, grass/shrubs, exclusion fencing in place for cattle lb	Broadleaf forest	Agriculture	mature forest	5-33%	>=5	<5	Low	Fines
Coldstream Creek	25.0	mature forest	34-66%	<5	No	Medium	Disturbed beyond top of bank; Douglas fir sat; lb more natural than fb	Broadleaf forest	Rural_Residential	mature forest	5-33%	>=5	<5	Medium	Fines
Coldstream Creek	26.0	mature forest	5-33%	>=5	<5	Low	Erosion for most of segment, Douglas fir sat; lb more natural than fb	Broadleaf forest	Agriculture	mature forest	5-33%	>=5	<5	Low	Fines
Coldstream Creek	27.0	mature forest	67-100%	>=5	<5	Low	Riparian band varied-wetland, agriculture	Broadleaf forest	Agriculture	young forest	5-33%	>=5	<5	Low	Fines
Coldstream Creek	28.0	mature forest	34-66%	>=5	<5	Low	Broadleaf forest, agriculture	Broadleaf forest	Agriculture	Grass/Herb	5-33%	<5	No	Low	Fines
Coldstream Creek	29.0	young forest	34-66%	>=5	No	Low	Narrow band of trees/shrubs with wetland along left bank	Broadleaf forest	Agriculture	Grass / Herb	<5%	<5	No	Low	Fines
Coldstream Creek	30.0	Grass / Herb	<5%	No	No	Low	Livestock enclosure, lack of riparian vegetation and structure	Herbs/grasses	Agriculture	Grass / Herb	<5%	<5	No	Low	Fines
Coldstream Creek	31.0	mature forest	<5%	>=5	<5	Low	Mature trees present, but lacking riparian vegetation overall; grazing	Broadleaf forest	Agriculture	mature forest	<5%	>=5	<5	Low	Fines
Coldstream Creek	32.0	mature forest	34-66%	>=5	<5	Low	Livestock use, consistent erosion, sediment source, wetland along portion of left bank riparian	Broadleaf forest	Agriculture	mature forest	34-66%	>=5	<5	Low	Fines
Coldstream Creek	33.0	Grass / Herb	<5%	<5	No	Low	Some mature /regem willow; grasses/forbs, cattails along left riparian area	Herbs/grasses	Agriculture	Grass / Herb	<5%	<5	No	Low	Fines
Coldstream Creek	34.0	Grass / Herb	<5%	>=5	No	Low	Limited mature trees in segment, willow regem; streamside grazing; wildlife habitat value	Herbs/grasses	Agriculture	Grass / Herb	<5%	<5	No	Low	Fines
Coldstream Creek	35.0	young forest	5-33%	>=5	<5	Low	Cottonwood regem primarily, livestock grazing, access, erosion throughout	Rock	Disturbed	Grass / Herb	<5%	<5	No	Medium	RipRap
Coldstream Creek	36.0	mature forest	34-66%	>=5	<5	Low	Narrow riparian band, field beyond top of bank	Broadleaf forest	Agriculture	mature forest	34-66%	>=5	<5	Low	Fines
Coldstream Creek	37.0	mature forest	34-66%	>=5	<5	Low	Rural residential, native riparian band	Broadleaf forest	Agriculture	mature forest	34-66%	>=5	<5	Low	Fines
Coldstream Creek	38.0	mature forest	34-66%	>=5	<5	Low	Frequent erosion throughout segment, dense but narrow riparian band	Mixed forest	Agriculture	mature forest	34-66%	>=5	<5	Low	Till
Coldstream Creek	39.0	mature forest	5-33%	No	Low	Medium	Highway lb, vegetation trimmed, lot to grasses, weeds where parallel; some native veg, narrow band	Broadleaf forest	Rural_Residential	mature forest	34-66%	>=5	<5	Low	Till
Coldstream Creek	40.0	mature forest	34-66%	>=5	<5	Low	Highway along lb, but wider band of mature vegetation	Broadleaf forest	Rural_Residential	mature forest	34-66%	>=5	<5	Low	Fines
Coldstream Creek	41.0	mature forest	34-66%	>=5	<5	Low	Diversion along most of segment, band of native vegetation	Mixed forest	Natural	mature forest	34-66%	>=5	<5	Low	Fines
Coldstream Creek	42.0	mature forest	34-66%	>=5	No	Low	Native vegetation, free-range cattle, clearing with field area towards upstream end	Coniferous forest	Natural	mature forest	34-66%	>=5	<5	Low	Fines

STREAMNAME	SEG_NUMBER	R_COMMENT	COMINTFLORA	COMINTFAUNA	IMP_SCORE
Coldstream Creek	1.0	Naturalized band with mature willow, chamaelization, manicured landscaping adjacent riparian band	Pacific willow, red-osier dogwood, Oregon grape, snowberry, nightshade, hort. varieties	Belted Kingfisher, Stellers Jay, Mallards, Carp	1
Coldstream Creek	2.0	Variable bank material and retaining structures, roots, sp. band with mature trees/shrub/manicured	Cottonwood, Pac. willow, red-osier dogwood, rose sp., snowberry, Oregon grape, hort. herbaceous shrubs	Black-capped chickadee, little brown bat, Northern flicker, Stellers Jay, gen. fish, American robin	2
Coldstream Creek	3.0	Variable bank material and retaining structures, roots, sp. band with mature trees/shrub/manicured	Cottonwood, snowberry, dogwood, Douglas maple, buck, nightshade, black hawthorn, rose, alder	Black-throated blue chickadee, American Robin, European Starling	2
Coldstream Creek	4.0	Variable bank material and retaining structures, roots, sp. band with mature trees/shrub/manicured	Cottonwood, willow, dogwood, aspen, Douglas maple, snowberry, butternut	Whitetail deer, great horned owl, western red squirrel, WIWR, RBU, rainbow trout, NOFL	2
Coldstream Creek	5.0	Relatively wide natural riparian band throughout most of seg; recruitment of lwd, wet; field, arid	Willow, cottonwood, turf, nightshade, dogwood, crabapple, snowberry, current	Northern Flicker, Black-capped Chickadee	3
Coldstream Creek	6.0	Bank material primarily torpa armoring, files; turf to top of bank, limited shrubs, mature canopy	Horsetail, chokecherry, nightshade, willow, dogwood, ash, water birch, nightshade	Great horned owl, RBU, BCCH, western red squirrel, pileated woodpecker, black bear	4
Coldstream Creek	7.0	Sheep ravine towards Coldstream Creek Rd; native veg; min. disturbance; livestock fencing	Maple/manitoba maple/horsetail/cottonwood/alder/black locust/dogwood, snowberry, nightshade, rose	Pileated woodpecker, black-capped chickadee, black bear	5
Coldstream Creek	8.0	Natural, modified historically; Coldstream Creek Rd beyond top of ravine-essoc; erosion issues noted	Cedar, maple, cottonwood, boxelder, nightshade, snowberry, dogwood, willow, alder, burdock	Rainbow trout, deer tracks, black bear,	5
Coldstream Creek	11.0	Rural/agricultural influence, channel not confined; mat to vet cottonwoods along seg, native riparia	Cottonwood, water birch, dogwood/alder/elm, snowberry, aster, ornamental cedar, hops, buttercup, nightshade	BEKI, white tailed deer, black bear, RNPH	4
Coldstream Creek	12.0	Open field, seepage, erosion/previous livestock access-fence setback from ck; invasive/native veg	Douglas fir, aspen, cedar, skunk cabbage, cattails, cottonwood, dogwood, need canary grass, willow, alder, doug maple	Red-tailed hawk, pheasant, whittailed raptor, RBU, NOFL, BEK, BCCH	3
Coldstream Creek	13.0	Invasive weeds, grazing, general lack of consistent native riparian vegetation	Douglas fir, alder, cottonwood, cedar, non-native maple, chokecherry, horsetail, saskatoon, dogwood	American Kestrel, Black Capped Chickadee, Belted Kingfisher, Red-tailed Hawk	1
Coldstream Creek	14.0	Agricultural operations beyond top of bank, erosion	Anthropogenic grasses, willow, invasive weeds	Black Capped Chickadee, Red-tailed Hawk	1
Coldstream Creek	15.0	Agricultural field/residential beyond top of bank, erosion	Cottonwood, Douglas maple, non-native veg, invasive weeds, red-osier dogwood	Potential for wildlife movement, avian species	1
Coldstream Creek	16.0	Horse paddock; tob-riparian band-established maples; natural character; erosion/ armouring adj.	Willow, cottonwood, hops, rose, dogwood, hawthorn, red canary grass	Bear, waterfowl, potential for diversity of wildlife-good opportunity for avian species	3
Coldstream Creek	17.0	Well-vegetated, naturalized riparian with areas of encroachment	Cottonwood, willow, non-native maple, dogwood, Douglas maple, hops, alder, snowberry	Belted kingfisher, black-capped chickadee, great horned owl	3
Coldstream Creek	18.0	Corn field beyond top of bank; narrow native riparian band; modified	Cottonwood, willow, dogwood, rose sp., hops, snowberry	Rainbow trout, black bear, STJA, riparian band provides nesting, foraging, perching habitat	1
Coldstream Creek	19.0	Corn field beyond top of bank; narrow native riparian band	Cottonwood, willow, dogwood, rose, hops	Beaver, black bear, red-breasted nuthatch, belted kingfisher, several avian species, rainbow trout	1
Coldstream Creek	20.0	Corn field beyond top of bank; narrow native riparian band	Cottonwood, willow, dogwood, rose, hops, cattail, red canary grass, invasive weeds	Beaver, bear, RBU, BCCH, AMRO, STJA, avian species-snags for cavity nesting, garter snake, RB	2
Coldstream Creek	21.0	Corn beyond top; native riparian band-narrow cottonwood-blowdown	Cottonwood, willow, dogwood, invasive weeds, red canary grass, horsetail	Pacific chorus frog, Western flicker, rainbow trout, black bear, beaver	1
Coldstream Creek	22.0	Narrow native riparian band; good wildlife and fisheries habitat value	Cottonwood, dogwood, hawthorn, rose, red canary grass, nightshade, willow, invasive weeds	Black bear, RBU, BCCH, AMRO, BCCH	2
Coldstream Creek	23.0	Narrow native riparian band; good wildlife and fisheries habitat value	Cottonwood, dogwood, hawthorn, rose, red canary grass, nightshade, willow, invasive weeds	Black bear, RBU, BCCH, AMRO, BCCH	2
Coldstream Creek	24.0	Narrow native riparian band; good wildlife and fisheries habitat value	Cottonwood, dogwood, hawthorn, rose, red canary grass, nightshade, willow, invasive weeds	Black bear, RBU, BCCH, AMRO, BCCH	2
Coldstream Creek	25.0	Rural residential with some seepage, livestock access, grazing, anthropogenic impacts, as well	Willow, cottonwood, dogwood, hawthorn, rose, red canary grass, nightshade, willow, invasive weeds	BEKI, BCCH, AMRO, beaver, RBU, black bear, rainbow trout, livestock	1
Coldstream Creek	26.0	Erosion for much of segment, seepage, livestock access, grazing, anthropogenic impacts, narrow n	Willow, Douglas fir, red canary grass, brooklime, cattails, alder, Douglas maple, dogwood, aspen	BCCH, RTHA, WIWR, RUGR, deer, Pacific chorus frog, rainbow trout, pileated woodpecker, horses, cows	3
Coldstream Creek	27.0	Rural residential, agriculture-horses, seepage, lacking riparian buffer	Aspen, willow, cottonwood, cattails, dogwood, snowberry, rose, hawthorn, nightshade, burdock	BCCH, RTHA, WIWR, RUGR, deer, Pacific chorus frog, rainbow trout, pileated woodpecker, horses, cows	4
Coldstream Creek	28.0	Rural residential, modifications, seepage, erosion	Willow, cottonwood, cattails, dogwood, snowberry, rose, hawthorn, nightshade, burdock	BCCH, RTHA, WIWR, RUGR, deer, Pacific chorus frog, rainbow trout, pileated woodpecker, horses, cows	3
Coldstream Creek	29.0	Rural residential, modifications, seepage, erosion	Willow, cottonwood, cattails, dogwood, snowberry, rose, hawthorn, nightshade, burdock	Livestock, small mammal tracks noted in stream channel, deer	3
Coldstream Creek	30.0	Cows-2-lack of riparian structure and habitat complexity; grasses, weeds, erosion	Agronomic grasses, forbs, invasive weeds	Cows, horses, avian species utilizing cottonwoods	0
Coldstream Creek	31.0	Grazing, disturbed riparian, some mature trees, but lacking riparian veg, cover, bank stabilization	Cottonwood, thistle, red canary grass, red-osier dogwood, cattail, grasses	Livestock, avian species, rainbow trout	1
Coldstream Creek	32.0	F arm operations, paddocks, disturbed, erosion consistent	Willow, snags, cottonwood, thistle, red canary grass, dogwood, cattails, alder, snowberry, rose	Ruffed grouse, beaver, horse	1
Coldstream Creek	33.0	Sporadic mature willow and willow regen, but mostly grasses/forbs; previously disturbed field	Willow, bulrush, sedges, red canary grass, grasses, invasive weed species	Deer, bear, yellow rumped warbler, livestock, avian species	2
Coldstream Creek	34.0	Streamside grazing, lack of riparian structure, wildlife habitat value	Willow, invasive weeds, clover, red canary grass, grasses, sedges, thistle	Deer, bear, horses, NOFL, potential for avian species and wildlife movement corridor	3
Coldstream Creek	35.0	Highway fill slope, erosion, rock armoring, limited enhancement/riparian potential	Willow, cottonwood, red-osier dogwood, snowberry, grasses, invasive weeds, rose (false salmon's seal	Red-breasted nuthatch, squirrel, avian species, wildlife movement corridor	2
Coldstream Creek	36.0	Horse pasture-fence, narrow riparian band	Dogwood, cottonwood, red canary grass, willow, snowberry, aster, invasive weeds	Squirrels, bear, raccoon, potential for several avian species and wildlife corridor	2
Coldstream Creek	37.0	Horse pasture, narrow riparian band	Alder, dogwood, cedar, cottonwood, Oregon grape, Douglas fir, Oregon grape, Douglas maple	Chipmunk, deer, rainbow trout, squirrel, bear	2
Coldstream Creek	38.0	Anthropogenic impacts increase parallel to highway	Cottonwood, dogwood, water birch, rose, snowberry, non-native maple, Douglas fir	Rainbow trout, deer, bear, hairy woodpecker, squirrel, chipmunk, cattle, pot. avian sp. and mammals	5
Coldstream Creek	39.0	Rural residential yards, native veg with anthropogenic influence, bridges, bank armoring, erosion	Cottonwood, Douglas fir, dogwood, non-native maple, Oregon grape, snowberry, hawthorn		
Coldstream Creek	40.0	Rural properties, natural, wide riparian band	Cedar, Douglas fir, cottonwood, dogwood, hawthorn, snowberry, Oregon grape, horsetail, paper birch		
Coldstream Creek	41.0	Native vegetation throughout most of segment, anthropogenic impacts assoc. with house, trail			
Coldstream Creek	42.0	Rural, cattle access, bigged previously			

STREAMNAME	SEG_NUMBER	WTRSHEDCDE	TIME	WEATHER	AIRTEMP.	WATER_TEMP	STAGE	FISH_BEAR	COMMENTS	PHOTONUM	PRIMARY	SECONDARY	HYDRAULIC
Brewer Creek	1.0	310-939400-15400-4200-0550	10:29:53am	Show/Sheet	2.0	3.9	low		Confluence with Coldstream Cr, cattail marsh rb, dense riparian thicket on left bank	IMGR6706	Modified	Wetland	Run
Brewer Creek	2.0	310-939400-15400-4200-0550	12:16:43pm	Show/Sheet	2.0	3.9	dry		Left bank riparian narrows adjacent sheep	IMGR6726	Modified		Run
Brewer Creek	3.0	310-939400-15400-4200-0550	01:07:10pm	Show/Sheet	2.0	3.9	dry		Residential on both banks, riparian encroachment to top, dense shrubs	IMGR6760	Modified		Rifle/Pool
Brewer Creek	4.0	310-939400-15400-4200-0550	02:38:10pm	Show/Sheet	2.0	3.9	dry		Rural/urban residential transition	IMGR6800	Modified		Rifle/Pool
Brewer Creek	5.0	310-939400-15400-4200-0550	09:36:09am	Over cast	4.0	0.0	dry		Rural residential, farming/livestock left bank	IMGR6831	Modified		Rifle/Pool
Brewer Creek	6.0	310-939400-15400-4200-0550	11:39:55am	Over cast	4.0	0.0	dry		Rural residential, no longer farming, multiple stream crossings	IMGR6854	Modified		Rifle/Pool
Brewer Creek	7.0	310-939400-15400-4200-0550	12:52:38pm	Over cast	4.0	0.0	dry		Creek dry towards Dave Rd, flows starting at bridge	IMGR6854	Modified		Rifle/Pool
Brewer Creek	8.0	310-939400-15400-4200-0550	09:20:10am	Partly Cloudy	1.0	4.9	low		Natural, leaving residential influence	IMGR6854	Natural		Rifle/Pool
Brewer Creek	9.0	310-939400-15400-4200-0550	10:08:16am	Partly Cloudy	1.0	3.6	low		Falls at natural, leaving residential influence	IMGR6854	Natural		Rifle/Pool
Brewer Creek	10.0	310-939400-15400-4200-0550	11:08:34am	Over cast	3.0	4.9	low	Unconfirmed	Upper reaches dry during assessment, narrow riparian band and railway rb, agriculture lb	IMGR6854	Natural		Channelized
Brewer Creek	11.0	310-939400-15400-4200-0550	11:08:34am	Over cast	3.0	4.9	low	Unconfirmed	Lower reaches dry, narrow riparian band/field left bank, railway right bank	IMGR6854	Natural		Channelized
Brewer Creek	12.0	310-939400-15400-4200-0550	11:08:34am	Over cast	3.0	4.9	low	Unconfirmed	Stream head away from railway, natural transitioning to residential	IMGR6854	Modified		Rifle/Pool
Craster Creek	2.0	310-939400-15400-44200	09:55:37am	Light Rain	8.0	8.0	dry	Yes	Residential, associated anthropogenic impacts	IMGR6512	Modified		Rifle/Pool
Craster Creek	3.0	310-939400-15400-44200	10:39:58am	Light Rain	8.0	0.0	dry	Yes	Concrete humed d/s end, stream goes under building; enters open field	IMGR6512	Modified		Rifle/Pool
Craster Creek	4.0	310-939400-15400-44200	11:49:13am	Light Rain	9.0	0.0	dry	Yes	Industrial along right bank, field and dirt bank	IMGR6512	Modified		Rifle/Pool
Craster Creek	5.0	310-939400-15400-44200	02:06:59pm	Light Rain	9.0	0.0	dry	Yes	Mixed forest, rural residential	IMGR6512	Modified		Rifle/Pool
Craster Creek	6.0	310-939400-15400-44200	10:05:18pm	Over cast	8.0	0.0	low	Yes	Upper Craster Creek beyond residential, ravine, natural riparian veg, rural influence	IMGR6512	Modified		Rifle/Pool
Craster Creek	7.0	310-939400-15400-44200	10:05:18pm	Over cast	8.0	7.5	low	Yes	Agricultural/rural, banks not as steep	IMGR6512	Modified		Rifle/Pool
Craster Creek	8.0	310-939400-15400-44200	11:44:14am	Over cast	8.0	7.5	low	Yes	Natural both banks, presence of bedrock	IMGR6512	Modified		Rifle/Pool
Craster Creek	9.0	310-939400-15400-44200	10:10:08am	Light Rain	10.0	7.4	low	Yes		IMGR6242	Natural		Rifle/Pool
Craster Creek	10.0	310-939400-15400-44200	11:18:15am	Light Rain	10.0	7.4	low	Yes		IMGR6242	Modified		Rifle/Pool
Craster Creek	11.0	310-939400-15400-44200	12:39:59pm	Light Rain	10.0	7.4	low	Yes		IMGR6276	Natural		Rifle/Pool
Craster Creek	12.0	310-939400-15400-44200	12:45:13pm	Over cast	9.0	4.7	low	Yes		IMGR6583	Natural		Rifle/Pool

STREAMNAME	SEG_NUMBER	COMT_CLASS	PERCENT_GR	CROWN_CLOS	SPAWNING_H	LIVESTOCK	BARS	ISLANDS	COMT_SCHAR	SUB_ORGANI	SUB_FINES
Brewer Creek	1.0	Stream channelized along field-earth berm; dense riparian on left, field/wetland on right	1.0	71-90%	Unknown		None	None	Mature cottonwoods, dense shrubs, cattails, more open along right bank adjacent field	0	55
Brewer Creek	2.0	Stream historically channelized along field-earth berm, wetland down to and Coldstream Creek	1.0	71-90%	Unknown		None	None	Narrow riparian band, agricultural both riparian areas, cattails, channel down to Coldstream Ck	0	55
Brewer Creek	3.0	Native vegetation along riparian, mostly grassland	1.0	71-90%	Unknown		None	None		0	20
Brewer Creek	4.0	Narrow riparian band, encroachment to top	1.0	41-70%	Unknown		None	None	Rural residential, dense shrubs weststream, but riparian lacking	0	10
Brewer Creek	5.0	Residential, anthropogenic impacts throughout; retaining walls, minor erosion, lack of native veg	1.0	41-70%	Unknown		None	None	Residents say stream only flows for 5-7 weeks, associated with spring runoff	0	5
Brewer Creek	6.0	Rural residential, lawn, farming, short segment before re-entering neighborhood	1.0	41-70%	Unknown		Site	None	Livestock are fenced from creek, limited riparian vegetation	0	5
Brewer Creek	7.0	Rural/urban residential, narrow riparian band in places, mostly landscaped, confined	1.0	41-70%	Unknown		Site	None	Stream does not flow year round in this segment	0	5
Brewer Creek	8.0	Anthropogenic impacts	2.5	71-90%	Unknown		Site	None	Rural residential impacts	0	5
Brewer Creek	9.0	Steep banks, leaving trail residential, steeper gradient	5.0	71-90%	Unknown		None	None		0	5
Brewer Creek	10.0	Steep banks, leaving trail residential, steeper gradient	5.0	71-90%	Unknown		None	None	Steep banks, gradient 14.20%	0	5
Brewer Creek	11.0	Stream channelized along field-earth berm, wetland down to and Coldstream Creek	1.0	71-90%	Unknown	Yes	None	None	Extent of livestock access unknown, see fecal matter noted on trail, beyond top	0	5
Brewer Creek	12.0	Upstream of falls, LWD and SVD frequent, trail along left bank	5.0	71-90%	Unknown	Yes	None	None	Livestock access, fenced along right bank	0	5
Craster Creek	1.0	Earth berm to riparian, channelized run, hydrology may differ when stream flowing	1.0	41-70%	Unknown		None	None	Confined by railway, erosion, bank armouring	0	5
Craster Creek	2.0	Railway to riparian, narrow riparian band, field/rural residential to	1.0	41-70%	Unknown		None	None	Rural residential, natural riparian; some non-native towards us end of segment	0	5
Craster Creek	3.0	Native riparian vegetation d/s end of segment, increasing non-native and modifications towards homes	1.0	41-70%	Unknown		None	None	Rural residential, consistent erosion; attempts at armouring, narrow riparian band	0	5
Craster Creek	4.0	Rural residential; native vegetation, but encroachment to top, frequent erosion	1.0	21-40%	Unknown		None	None	Stream flows under buildings in fenced enclosure, daylight through field, fenced from livestock	0	5
Craster Creek	5.0	Concrete flume under building in fenced enclosure, field	1.0	71-90%	Unknown		None	None	Some dense shrub growth but low bare and frequent erosion	0	5
Craster Creek	6.0	Consistently adjacent and task, frequent erosion, narrow riparian band	2.0	71-90%	Unknown		Site	None	Livestock are fenced from creek, limited riparian vegetation	0	5
Craster Creek	7.0	Rural residential, entering mixed forest, wider riparian	2.0	71-90%	Potential	Yes	Site	None	Mixed forest, anthropogenic impacts in riparian	0	5
Craster Creek	8.0	Rural residential, entering mixed forest, wider riparian	2.0	71-90%	Potential	Yes	Site	None		0	5
Craster Creek	9.0	Natural, ravine, cedar; some rural residential beyond top of right bank	3.0	71-90%	Unknown	Yes	Site	None	Ravine, cedar forest, agriculture beyond top of bank	0	10
Craster Creek	10.0	Livestock access, rural modifications, intermittent erosion, natural character	3.0	>90%	Unknown	Yes	Site	None	Rural impacts, grazing, native vegetation	0	5
Craster Creek	11.0	Ravine left bank, cedar, natural character	4.5	>90%	Unknown	Yes	Site	None	Natural, coniferous	0	5
Craster Creek	12.0	Steep ravine both banks, natural	4.0	71-90%	Unknown	Yes	Site	None	Cedar, steep banks, cattle fecal matter noted along stream	0	5

STREAMNAME	SEG_NUMBER	SUB_GRAVEL	SUB_COBBLE	SUB_BLDGR	SUB_BEDRK	COMPACTION	COMT_SUB	WIDTH_W	WIDTH_BF	DEPTH_W	DEPTH_BF	COMT_CHAN
Brewer Creek	1.0	40	5	0	0	Low		1.6	2.3	0.1	0.5	Portions of stream dry during assessment; residual pools and wetted at d/s end of segment
Brewer Creek	2.0	40	5	0	0	Low		0.0	2.5	0.0	0.7	Channel low to dry through most of segment
Brewer Creek	3.0	45	30	5	0	Low		0.0	1.7	0.0	0.7	Stream dry through most of segment; residual pools
Brewer Creek	4.0	45	30	5	0	Low		0.0	3.3	0.0	0.7	Channel dry during assessment
Brewer Creek	5.0	40	45	5	0	Low	Increasing coarse substrates towards road crossing	0.0	1.8	0.0	0.7	Channel dry during assessment
Brewer Creek	6.0	35	55	5	0	Medium	Coarse substrates generally associated with armouring	0.0	2.2	0.0	0.5	Channel dry during assessment-no wetted measurements
Brewer Creek	7.0	30	55	10	0	Medium	Coarse substrates generally associated with armouring	0.0	2.5	0.0	0.7	Stream channel dry during assessment; no wetted measurements
Brewer Creek	8.0	30	50	15	0	Medium	Increasing coarse substrates	0.9	3.0	0.0	0.5	Channel dry during assessment, no wetted measurements
Brewer Creek	9.0	30	50	15	0	Medium	Increasing coarse substrates	1.5	3.2	0.0	0.5	Stream dry at d/s end of segment; wetted width varied 0-2.1m
Brewer Creek	10.0	30	50	15	0	Medium		1.7	3.6	0.1	0.5	
Brewer Creek	11.0	30	50	15	0	Medium		1.9	3.6	0.2	0.5	
Criater Creek	1.0	70	25	0	0	Low		2.6	2.8	0.0	0.5	No flows during assessment; channel uniform
Criater Creek	2.0	60	25	10	0	Low	Boulder cover associated with railway bank armouring	2.8	2.7	0.0	0.6	No flows during assessment
Criater Creek	3.0	60	25	10	0	Low	Coarse substrates associated with armouring	2.7	3.1	0.0	0.6	No flows during assessment
Criater Creek	4.0	55	35	5	0	Low	Erosion, embedded substrates	1.7	1.7	0.0	0.5	No flows during assessment
Criater Creek	5.0	35	60	5	0	Medium	Concrete at d/s end where stream flumed under buildings; cobble predominant	4.0	4.0	0.0	0.5	No flows during assessment
Criater Creek	6.0	30	65	5	0	Medium		2.2	4.1	0.1	0.5	No flows during assessment
Criater Creek	7.0	30	65	5	0	Medium	Cobble predominant	2.2	4.1	0.1	0.5	No flows during assessment
Criater Creek	8.0	35	55	5	0	Medium		3.7	3.7	0.2	0.6	No flows during assessment
Criater Creek	9.0	30	55	10	0	Medium	Small boulder, cobble, gravel, sand	2.1	3.7	0.1	0.5	No flows during assessment
Criater Creek	10.0	25	55	10	0	Medium	Increased sand, primarily cobble	3.6	7.3	0.1	0.6	No flows during assessment
Criater Creek	11.0	30	50	15	0	Medium	Increasing boulder towards u/s end; if do not break seg at steep ravine, incl bedrock	3.8	6.7	0.1	0.6	No flows during assessment
Criater Creek	12.0	45	35	10	5	Medium	Bedrock presence	2.9	5.4	0.1	0.7	Lower portion of the segment was not wetted; depths account for upper segment Creek flowing consistently

STREAMNAME	SEG_NUMBER	TOTAL_COVE	B	DP	IV	LWD	OV	SVD	UC	SPANLOG_CO	COMT_COV	L_RIPCLASS	L_QUALIFIE	L_STAGE	L_SHRUBS	L_SNAG	L_VETERAN	L_BKSTBLI	L_BANK_MAT
Brewer Creek	1.0	35	0	15	20	30	20	15	0	3	Grasses in channel	Broadleaf forest	Natural	mature forest	67-100%	>=5	<5	Medium	Fines
Brewer Creek	2.0	35	0	10	25	35	20	0	6	6	Overstream vegetation dense in areas, grasses in channel	Broadleaf forest	Agriculture	young forest	34-66%	>=5	No	Medium	Fines
Brewer Creek	3.0	25	15	5	0	30	65	15	0	0	Dense shrubs, overstream vegetation	Rural_Residential	Rural_Residential	mature forest	34-66%	>=5	No	Medium	Fines
Brewer Creek	4.0	25	15	5	0	40	10	5	0	0	Fish habitat limited with inconsistent flows and modifications	Broadleaf forest	Rural_Residential	young forest	5-33%	<5	No	Low	Fines
Brewer Creek	5.0	25	15	5	0	40	10	5	0	0	Limited cover	Broadleaf forest	Rural_Residential	young forest	5-33%	<5	No	Medium	Fines
Brewer Creek	6.0	15	5	20	0	60	0	15	1	1	Limited cover, several bridges, lacking year long flows	Mixed forest	Agriculture	Grass / Herb	<5%	No	No	Medium	Fines
Brewer Creek	7.0	10	20	5	0	30	35	10	0	0	Limited cover	Coniferous forest	Rural_Residential	mature forest	34-66%	<5	No	Low	Till
Brewer Creek	8.0	25	15	10	0	30	25	15	5	2		Coniferous forest	Natural	young forest	34-66%	<5	No	Medium	Fines
Brewer Creek	9.0	40	15	10	0	30	25	15	5	2		Coniferous forest	Natural	mature forest	34-66%	>=5	No	Medium	Bedrock
Brewer Creek	10.0	45	15	0	0	40	10	25	5	30	Frequent cover, woody debris throughout segment	Herbs/grasses	Natural	mature forest	34-66%	<5	No	Medium	Fines
Brewer Creek	11.0	10	0	0	0	75	25	0	0	0		Coniferous forest	Natural	mature forest	34-66%	>=5	No	Medium	Fines
Craster Creek	2.0	25	10	5	0	5	50	30	0	1	Cover limited, some dense shrub growth and boulder cover associated with armouring	Broadleaf forest	Rural_Residential	mature forest	34-66%	>=5	No	Medium	Fines
Craster Creek	3.0	20	15	5	0	20	25	20	0	0	Limited complexity	Broadleaf forest	Rural_Residential	mature forest	5-33%	>=5	No	Medium	Fines
Craster Creek	4.0	35	20	10	0	40	20	10	0	4	Increasing cover up and lwd recruitment, boulder cover associated with armouring	Broadleaf forest	Rural_Residential	mature forest	34-66%	>=5	No	Low	Fines
Craster Creek	5.0	25	0	0	0	65	5	30	0	0	Building, overhanging grasses	Herbs/Grasses	Grass/Herb	young forest	<5%	No	Medium	Concrete	
Craster Creek	6.0	35	0	0	0	35	35	15	0	8	Overstream veg, woody debris	Broadleaf forest	Agriculture	young forest	5-33%	>=5	No	Medium	Till
Craster Creek	7.0	40	0	20	0	30	35	15	0	3	Dense cov with shrub growth, accumulation of swd and lwd	Broadleaf forest	Rural_Residential	mature forest	67-100%	<5	No	Medium	Fines
Craster Creek	8.0	30	5	15	0	35	20	10	15	3		Mixed forest	Rural_Residential	mature forest	34-66%	<5	No	Medium	Fines
Craster Creek	9.0	35	5	15	0	40	5	25	10	11		Mixed forest	Natural	mature forest	34-66%	>=5	No	Medium	Fines
Craster Creek	10.0	40	15	10	0	45	5	15	10	11	Good lwd recruitment	Coniferous forest	Natural	mature forest	34-66%	>=5	No	Medium	Fines
Craster Creek	11.0	40	20	10	0	35	5	20	10	24		Coniferous forest	Natural	mature forest	34-66%	>=5	No	Medium	Till
Craster Creek	12.0	35	10	25	0	35	5	20	5	20		Coniferous forest	Natural	mature forest	34-66%	>=5	No	Medium	Fines

STREAMNAME	SEG_NUMBER	L_COMMENT	R_RIPCLASS	R_QUALIFIE	R_STAGE	R_SHRUBS	R_SNAG	R_VETERAN	R_BKSTBLI	R_BANK_MAT
Brewer Creek	1.0	Wide cottonwood riparian shrub thicket, more dense at d/s end	Disturbed wetland	Agriculture	young forest	5-33%	>=5	No	Medium	Fines
Brewer Creek	2.0	Narrow riparian band, fiddleshop beyond top	Broadleaf forest	Agriculture	young forest	34-66%	>=5	No	Medium	Fines
Brewer Creek	3.0	Narrow riparian band, erosion, encroachment beyond top of bank	Broadleaf forest	Rural_Residential	young forest	5-33%	>=5	No	Medium	Fines
Brewer Creek	4.0	Bank armouring frequent, lack of riparian veg, residential yards	Broadleaf forest	Rural_Residential	tall shrubs 2-10m	34-66%	No	No	Low	Fines
Brewer Creek	5.0	Bank armouring frequent, lack of riparian veg, residential yards	Broadleaf forest	Rural_Residential	young forest	5-33%	<5	No	Medium	Fines
Brewer Creek	6.0	Maintained yard, sporadic trees, farming, lacking riparian, no livestock access	Mixed forest	Rural_Residential	Grass / Herb	5-33%	No	No	Medium	Fines
Brewer Creek	7.0	Bank armouring frequent, manicured landscaping, sporadic trees, impacts associated with road, yards	Mixed forest	Rural_Residential	young forest	5-33%	No	No	Medium	Fines
Brewer Creek	8.0	Bank armouring frequent, manicured landscaping, sporadic trees, impacts associated with road, yards	Coniferous forest	Rural_Residential	mature forest	34-66%	<5	No	Low	Till
Brewer Creek	9.0	Some encroachment, previously bogged, relatively young cedar	Coniferous forest	Natural	young forest	34-66%	<5	No	Medium	Bed in Rock
Brewer Creek	10.0	Some encroachment, previously bogged, relatively young cedar	Coniferous forest	Natural	mature forest	34-66%	>=5	<5	Medium	Fines
Brewer Creek	11.0	Residential beyond top of bank, natural, some disturbances with trail	Coniferous forest	Natural	young forest	34-66%	>=5	<5	Medium	Fines
Craster Creek	1.0	Earth berm along left bank, grazed, invasive weeds	Broadleaf forest	Disturbed	young forest	34-66%	No	No	Medium	Fines
Craster Creek	2.0	Riparian band widening, rural residential beyond top of bank	Broadleaf forest	Disturbed	tall shrubs 2-10m	5-33%	No	No	Medium	Fines
Craster Creek	3.0	Rural residential, open field and homes beyond narrow riparian band	Broadleaf forest	Rural_Residential	mature forest	34-66%	>=5	No	Medium	Fines
Craster Creek	4.0	Encroachment to top in most areas, narrow riparian band, frequent erosion	Broadleaf forest	Rural_Residential	mature forest	34-66%	>=5	No	Low	Fines
Craster Creek	5.0	Concrete flume under buildings, natural substrates u/s; some trees, but riparian area largely grasses	Herbs/Grasses	Agriculture	herbs/grasses	5-33%	No	No	Medium	Concrete
Craster Creek	6.0	Read narrow riparian band, armouring, frequent erosion	Broadleaf forest	Agriculture	young forest	34-66%	No	No	Low	Fines
Craster Creek	7.0	Disturbed riparian, frequent erosion, but no side	Broadleaf forest	Rural_Residential	young forest	34-66%	<5	No	Medium	Fines
Craster Creek	8.0	Anthropogenic impacts with housing, reduced riparian, erosion; native vegetation - increasing oodans	Mixed forest	Rural_Residential	mature forest	34-66%	<5	No	Medium	Fines
Craster Creek	9.0	Ravine, native vegetation, intermittent erosion	Mixed forest	Natural	mature forest	34-66%	>=5	No	Medium	Till
Craster Creek	10.0	Natural with rural modifications, livestock enclosure, intermittent bank erosion	Coniferous forest	Agriculture	mature forest	34-66%	>=5	No	Medium	Fines
Craster Creek	11.0	Sleep ravine, dominant cedar, region, shrub layer limited	Coniferous forest	Natural	mature forest	34-66%	>=5	No	Medium	Till
Craster Creek	12.0	Sleep ravine, natural, cedar regem, recruitment of wd	Coniferous forest	Natural	mature forest	34-66%	>=5	<5	Medium	Fines

STREAMNAME	SEG_NUMBER	R_COMMENT	COMMNTFLORA	COMMNTFAUNA	IMP_SCORE
Brewer Creek	1.0	Welland, field	Cottonwood, dogwood, cattails, grasses, snowberry, skunk cabbage	Black bear, BCCH, AMCR, ring necked pheasant, potential for diversity of wildlife	3
Brewer Creek	2.0	Narrow riparian band; wetland, apples, field beyond rd	Cottonwood, dogwood, grasses, snowberry, invasive weeds, willow	Black bear, BCCH, AMCR, pheasant, wildlife movement corridor, pot. for avian species	3
Brewer Creek	3.0	Narrow riparian band, rural residential, encroachment to top of bank	Cottonwood, dogwood, grasses, snowberry, invasive weeds, willow, douglas maple, douglas fir, rose	Black bear, BCCH, AMCR, pheasant, wildlife movement corridor, potential for diversity of wildlife	4
Brewer Creek	4.0	Narrow riparian band, rural residential, encroachment to top of bank	Cottonwood, dogwood, grasses, snowberry, invasive weeds, willow, douglas maple, douglas fir, rose	Black bear, BCCH, AMCR, pheasant, wildlife movement corridor, potential for diversity of wildlife	4
Brewer Creek	5.0	Bank armoring frequent, lack of riparian	Cottonwood, ash, dogwood, turf, rose, horticultural species of shrubs, trees, oregon grape, doug fir	BCCH, RBNU, DEJU, STJA, NOFL, bear, domestic animals	2
Brewer Creek	6.0	Rural residential, manicured landscaping, some mature trees, minor erosion, bank armoring	Cottonwood, douglas fir, rose, turf, non-native maple, lombardy poplar	RTHA, BCCH, RBNU, DEJU, STJA, NOFL, bear, domestic animals	2
Brewer Creek	7.0	Manicured landscaping, frequent bank armoring, bridges, sporadic trees-native and non-native	Cottonwood, douglas fir, rose, turf, invasive weeds, ilac, horticultural species	BCCH, RBNU, DEJU, STJA, NOFL, domestic animals	0
Brewer Creek	8.0	Consistent erosion, bank armoring, rural modifications	Cedar, dogwood, thimbleberry, douglas maple, snowberry, rose	Squirrel, Stelars Jay, bear	5
Brewer Creek	9.0	Previously logged, young cedar	Western red cedar, dogwood, thimbleberry, douglas maple, snowberry, rose, black gooseberry	Bear, deer, potential for diversity of wildlife	5
Brewer Creek	10.0	Previously logged, young cedar	Western red cedar, dogwood, thimbleberry, douglas maple, snowberry, rose, black gooseberry	Bear, deer, potential for diversity of wildlife	5
Brewer Creek	11.0	Natural, steep bank east of segment	Cedar, deer's club, falsebox, thimbleberry, black spruce, birch, spruce	American dipper, bear, squirrel, belted kingfisher, Northern flicker, American dipper	6
Brewer Creek	12.0	Natural, steep bank east of segment	Cedar, deer's club, falsebox, thimbleberry, black spruce, birch, spruce	American dipper, bear, squirrel, belted kingfisher, Northern flicker, American dipper	6
Craster Creek	1.0	Narrow vegetated band between creek and railway	Willow, rose, snowberry, dogwood, cottonwood, Hawthorn, grasses, invasive species	Wren, American crow, bear, squirrel, belted kingfisher, Northern flicker, American dipper	6
Craster Creek	2.0	Close proximity to railway-vegetation maintained-currently no mature trees	Willow, rose, snowberry, dogwood, cottonwood, Hawthorn, grasses, invasive species	quail, bear, potential wildlife movement corridor, avian nesting, foraging	1
Craster Creek	3.0	Rural residential, natural riparian band, more allened at uls end-turf	Willow, rose, snowberry, dogwood, cottonwood, grasses, aspen, paper birch, cedar, oak, maple, spruce	quail, bear, potential wildlife movement corridor, avian nesting, foraging	3
Craster Creek	4.0	Rural residential, natural riparian band, encroachment to top	Rose, snowberry, dogwood, cottonwood, grasses, douglas maple, non-native deciduous trees/shrubs	NOFL, squirrel, coyote, good band for wildlife movement but restricted with fencing	2
Craster Creek	5.0	Concrete flume as creek flows under building, daylight and flow through field, till	Lombardy poplar, ash, reed canary grass, cottonwoods	NOFL, squirrel, coyote, good band for wildlife movement but restricted with fencing	2
Craster Creek	6.0	Field operations beyond narrow riparian band, frequent erosion	Cottonwood, western white pine, dogwood, rose, snowberry, grasses, douglas maple	DEJU, squirrel for avian species, small mammals, reptiles, amphibians	1
Craster Creek	7.0	Field operations beyond narrow riparian band, frequent erosion	Cottonwood, western white pine, dogwood, rose, snowberry, grasses, douglas maple	DEJU, squirrel for avian species, small mammals, reptiles, amphibians	1
Craster Creek	8.0	Rural residential with reduced riparian, associated erosion; native vegetation	Douglas fir, cedar, chokecherry, cottonwood, red-osier dogwood, thimbleberry	RBNU, bear, potential for avian species, wildlife movement corridor	3
Craster Creek	9.0	Rural residential/agriculture beyond top of bank	Douglas fir, cedar, chokecherry, cottonwood, red-osier dogwood, thimbleberry	RBNU, bear, potential for avian species, wildlife movement corridor, BCCH	4
Craster Creek	10.0	Rural residential/agriculture beyond top of bank	Cedar, douglas fir, douglas maple, birch, red-osier dogwood, invasive weeds, grasses	Bear, squirrel, rainbow trout, movement corridor, concealment cover, feeding, nesting value	5
Craster Creek	11.0	Rural modifications, livestock grazing, fenced enclosure, native vegetation	Cedar, alder, douglas fir, douglas maple, birch, red-osier dogwood	Bear, squirrel, rainbow trout, movement corridor, concealment cover, feeding, nesting value	4
Craster Creek	12.0	Ravine, douglas fir, regen, cedar	Cedar, alder, douglas fir, douglas maple, birch, red-osier dogwood	Bear, squirrel, rainbow trout, movement corridor, concealment cover, feeding, nesting value	4
Craster Creek	13.0	Sleep ravine, cedar regen	Cedar, mosses, paper birch, black gooseberry, douglas fir	Squirrel, bear, red-breasted nuthatch, trees with cavities	5
Craster Creek	14.0	Sleep ravine, cedar regen	Cedar, mosses, paper birch, black gooseberry, douglas fir	Squirrel, bear, red-breasted nuthatch, trees with cavities	5
Craster Creek	15.0	Sleep ravine, cedar regen	Cedar, mosses, paper birch, black gooseberry, douglas fir	Bear, squirrel, red-breasted nuthatch, rainbow trout, fish/wildlife habitat	6