APPENDIX E. SCORING SPREADSHEET

	Project		SPP Presence and Reach Potential							Populat	ion/Reach	Pro/Access/Rest	PAR		Res	toration	L	Access		Overall		Certainty	nty	
No.	ID	Description	Affected	Tier	SPP	Рор	Pop	SRP	SRP	Rating	Score	Project Type/	Rating	Score	Habita	t Effecti	Quant	Qual	Passage	Rating	Score	Rati	ng	
		_	Reaches			Class	Score		Score			Multi-SPP Benefits	_		Units	Factor	Factor	Factor	Factor				_	Assumptions/Notes
1	KRL0.0	Low Water Fish Passage	Kalama 1 A tidal	4	WIST SUST FACH SPCH COHO CHUM OUT	P	3 3 3 2 2		1 1 1 1 1	М	4 4 4 3 3	Access to blocked habita	ts M	10.00			10.0	10.0	0.1	М	32.00	L		Building log jams or piling and excavate chann High uncertainty in achieving goals; treatment term due to natural deposition area just downs Passage improvement is L, access is blocked Habitat quantity is H; assumes all upstream m Habitat quality is H; the average of upstream K Population/Reach Rating is elevated from L to
2	KRL0.1	Port Tidal and Backwater Channels	Kalama 1 A tidal	4	WIST SUST FACH SPCH COHO CHUM OUT	Р Р Р Р С С Р	3 3 3 2 2	L L L L M	1 1 1 1 1	м	4 4 4 3 3	Off channel/side channel	habitat	1.95	1	0.65				М	23.95	м		Extend and enhance existing tidal channels Can't ID Habitat Units (HUs) until project bette EF of .65 is due to tidal influence Certainty score based on documentation of exi Estuary benefit to out-of-basin stocks addresse Population/Reach Rating is elevated from L to
3	KRR0.7	WDFW Tidal and Groundwater Channels	Kalama 1 A tidal	4	WIST SUST FACH SPCH COHO CHUM OUT	P P P C C P	3 3 3 2 2	L L L L M	1 1 1 1 1	м	4 4 4 3 3	Off channel/side channel	habitat H	11.40	4.75	0.8				М	33.40	н		T4 reach, but affects T1 and T2 reaches upstre CHUM Road on site that if flooded would be opened u Effectiveness = 0.8, because of tidal influence Certainty high due to both groundwater and tid Should add area opened up by flooding road o Estuary benefit to out-of-basin stocks addresse Population/Reach Rating is elevated from L to
4	KRL1.4	Groundwater Channel	Kalama 1 A tidal	4	WIST SUST FACH SPCH COHO CHUM OUT	P P P C C P	3 3 3 2 2	L L L L M	1 1 1 1 1	м	4 4 4 3 3	Off channel/side channel	habitat	7.80	2.6	1				М	29.80	м		Certainty would be high, except that data are n Estuary benefit to out-of-basin stocks addresse Population/Reach Rating is elevated from L to
5	KRR1.8	Active Side Channel	Kalama 1 B tidal	3	WIST SUST FACH SPCH COHO CHUM OUT	P P P C C P	3 3 3 2 2	L L L M L M	1 1 1 2 1	м	4 4 4 4 3 	Off channel/side channel	habitat H	0.96	0.4	0.8				М	23.96	L		Needs additional field data Assume this is the break between reach Kalarr Off channel hab with wood in it, no GW benefit Assume 200' for HU EF =0.8 because has potential for stranding fis Certainty score based on lack of floodplain cor Estuary benefit to out-of-basin stocks addresse Population/Reach Rating is elevated from L to
	SC0.5	Spencer Creek Riparian and LWD	Spencer Creek 1	2	WIST SUST COHO CHUM	P P C C	3 3 2 2	L L H L	1 1 3 1	м	4 4 5 3 16	Riparian restoration	н	1.44	0.6	0.8				м	17.44	м		Assume 300' for HU EF=.8 because of uncertainty on summer wate Certainty score M due to low flows in the summ winter and spring habitat
7	SC1.8	Fish Passage Culvert	Spencer Creek 2	4	COHO CHUM		2 2	L	1	L	3 3 	Access to blocked habita	ts M	1.90			1.0	2.0	1.0	L	7.90	н		6-yr plan identifies this as mile 1.34, perhaps b identified in 6-year plan. We believe it should HU: If culvert is really at 1.8 (not 1.34), then le Passage improvement will be H, Habitat Qual Certainty H because fish passage standards w

annel to increase depth for passage. ent options to increase depth would likely be short vnstream of constricted area and incised floodplain. ked for juveniles intermittently on a seasonal basis and is not blocked in all years. mainstem reaches in subbasin are affected. m Kalama mainstem tier ratings is 3.64. to M, because of benefit to out-of-basin stocks tter defined.; default value of 1 assigned existing fish use esses estuary management action CRE-10 L to M, because of benefit to out-of-basin stocks stream, benefiting WIST and SUST, COHO and d up; currently a dike there ice tidal exchange and documented fish use. d onto HU for the Off-Channel Habitat HU. esses estuary management action CRE-10 L to M, because of benefit to out-of-basin stocks re needed on groundwater and substrate . esses estuary management action CRE-10 L to M, because of benefit to out-of-basin stocks lama 1a and 1b tidal efits g fish connection and incised channel esses estuary management action CRE-10 and CRE-9 _ to M, because of benefit to out-of-basin stocks ater temps immer; project would primarily provide fall, os because mouth of Spencer Ck incorrectly uld actually be 1.8 n length is really 0.2 ual is L s would be met

Project			SPP Presence and Reach Potential							Population/Reach		Pro/Access/Rest PA					Access			Overall	BTF	Certainty	
No.	ID	Description	Affected	Tier	SPP	Pop	Pop	SRP	SRP	Rating	Score	Project Type/	Rating	Score	Habita	Effectiv	Quant	Qual F	Passage	Rating	Score	Rating	1
		*	Reaches			Class	Score		Score	Ŭ		Multi-SPP Benefits	U		Units	Factor	Factor	Factor 1	Factor	0		Ű	Assumptions/Notes
8	KRR2.1	GW Channel System private ownership	Kalama 2 A	1	WIST SUST FACH SPCH COHO CHUM	P C	3 3 3 2 2		1 1 3 1 1 3		4 4 6 4 3 5	Off channel/side channel	habitat		7	0.8							This project is entirely on private land and abu EF 0.8 because don't know where it would ent HU = 3500' Certainty M because landowner has not yet be areas identified; with landowner willingness ce
										н	26		н	16.80						н	42.80	М	
9	KRR2.2	Port of Kalama GW Channel System	Kalama 2 A	1	WIST SUST FACH SPCH COHO CHUM	С	3 3 3 2 2	L L H L H	1 1 3 1 1 3	н	4 4 4 3 5 26	Off channel/side channel		17.40	5.8	1				н	43.40	н	This project is completely on POK land and ab EF = 0.75 because there is more uncertainty a open field and lack of shading. HU = 2900' Certainty score based on verified groundwater
10	KRL2.2	Pipeline Removal and LWD	Kalama 2 A	1	WIST SUST FACH SPCH COHO CHUM	P P P C	3 3 3 3 2 2	L L L L H	1 1 3 1 1 3	н	4 4 6 4 3 5 26	Stream channel hab. Stru				1				н	29.00	м	HU = 500' May be contingent on rip rap removal on oppos Concerns regarding public safety: river floaters Certainty score based on restoring floodplain fr
11	KRR2.4	Riprap Removal/Floodplain ReconnectionPort of Kalama	Kalama 2 A	1	WIST SUST FACH SPCH COHO CHUM	P C	3 3 3 3 2 2	L L L L H	1 1 3 1 1 3	н	4 4 6 4 3 5 26	Stream channel hab. Stru	ucture and	d bank s 3.00	5 1	1				Н	29.00	н	Needs additional field data Certainty score based on restoration of floodpla
12	KRL2.5	Ledgett Groundwater Channel	Kalama 2 A	1	WIST SUST FACH SPCH COHO CHUM	P C	3 3 3 2 2	L L H L H	1 1 3 1 1 3	Н	4 6 4 3 5 26	Off channel/side channel		21.00	7	1				Н	47.00	Н	Certainty score based on confirmed presence of habitat downstream

abuts Project KRR 2.2 on POK ownership. enter creek

t been contacted, however significant off channel s certainty would increase.

d abuts Project KRR2.1. ty about keeping acceptable temperatures with an

ter supply and connection to surface flow.

oposite bank aters ain function

dplain processes.

ce of groundwater which will supply all the