Goal		Objective		Metrics	Data	Thresholds	Monitoring	When	Who Monitors	Actions	Party Responsible for Action	Prop. Funding Source
1	Improve fish and wildlife habitat	1a	Increase instream habitat and hydraulic complexity	Instream habitat complexity (WFC will add specificity by June 2012)	qualitiative, remote data; or TFW survey in Lateral B	no change, or reduced	WFC, per Timber, Fish and Wildlife habitat and LWD survey protocol [*1]	(WFC determines)	WFC	Improve habitat complexity. (WFC will add specificity in June 2012)	WFC	Perf. Bond/WFC
		1b	Maintain or improve water quality	Temp, DO (WFC will add specificity by June 2012)	WFC data, reference WDoE reports.	Balser line to Lat. A - nc or disproportionately worse (need quantifiable threshold)	WFC, Tulalip / Snoq. (?)	(WFC determines)	WFC	ID and address source of problem	WFC	KCD grant/WFC
		1c	Improve riparian condition	Percent survival of planted vegetation after 3 years		Threshold defined by permit conditions. (Mortality of plantings greater than 20% after 3 years)	Wilderness Awareness volunteers, Audubon protocols	Summer 2015	WFC	ID and address source of tree mortality; revegetate as necessary or control undesirable vegetation in year 4.	WFC	KCD grant/WFC
2	Maintain drainage + infrastructure	2a	Same or better conveyance than B, C, D.	Channel geometry	B, C, D channel volume estimates	As-built channel volume less than existing (B,C, D) or not built as designed.	WFC - compare as-built to design	Fall 2012	WFC	Reconstruct to build as designed.	WFC	Perf Bond/WFC
		2b	Sediment transport and deposition does not limit conveyance.	Difference in WS control elevation between forebay and mouth of Lat. D. and change in sediment in forebay and along Lateral A	Staff gage at forebay and at the mouth of Lat. D show pre-project difference in WSE. Monumented cross sections at forebay and Lateral A profile from forebay to Lateral D.	Difference in WSE between staff gages at forebay and mouth of Lat. D, is greater than 1 foot OR monumented cross sections at forebay and up Lateral A show sediment will reduce function of pump or tide gates.	1.Visual inspection of difference in staff gages 2. Sediment profile in forebay and up Lat. A	June 2013 and June 2014	Visual inspection by WDFW and DD 7. Profile monitored by WFC	Targeted sediment removal before the end of year 3 (2015)	WFC	KCD grant/WFC
		2c	Conveyance off non- Wildlife Area land is not hindered by beaver activity	Beaver Activity	n/a	DD#7 or WDFW perceives project-related beaver activity is causing flooding that negatively impacts off-WLA property.*	as-needed site visits / communication between DD 7 and WDFW	As needed	WDFW	On-site eval of conditions causing flooding by DD7 and WDFW WLA Manager. WFC notified. As appropriate, enact beaver BMPs per 5 year HPA.	WDFW	KCD grant/ WDFW
		2d	Minimal lateral channel migration	Channel migration does not threaten Cherry Creek dike	n/a	Restored WW Creek top of right bank comes within 100 feet of toe of mainstem levee, measured at closest point	Monumented T-post at location where levee is closest to Waterwheel Creek	As needed	DD7 visual inspection	Soft armoring bank stabilization implemented as quickly as possible after threshold is reached and no later than summer 2015. [*2]	WFC	KCDgrant / WFC
		2e	Conveyance is not limited by debris	Debris interferes with pump facility	n/a	Project-related debris perceived to physically interfere with tide / sluice gate operation. Project related debris is defined as debris that cannot be hand cleared or that results in clearing more than four times in each pumping season by hand.	Visual eval of tide- and sluice-gate operation by DD 7 and WDFW.	As needed	DD7 continues existing maintenance of clearing by hand. If large equipment is needed to clear LWD, WDFW will be responsible.	On-site eval of conditions by DD7 and WDFW WLA Manager. WFC notified. As appropriate, remove and stockpile offending LWD.	WDFW	WDFW

*off-WLA property excludes the DD7 drainage easements within WLA boundaries.

[*1] Pleus, A.E.; Schuett-Hames, D.; Bullchild, L. 1999. TFW monitoring program method manual for the habitat unit survey. TFW-AM9-99-003. Olympia, WA: Washington Department of Natural Resources. 68 p. See: http://www.dnr.wa.gov/Publications/fp_tfw_am9 99_003.pdf

[*2] see: Bank Protection at: http://wdfw.wa.gov/conservation/habitat/planning/ahg/links.html