



Appendix C. Page 2 of 3.

Location	Location Description	NPDES/APDES	Parameters	Sampling Frequency
Lower Slate Creek	Anadromous section, draining into Berners Bay, below an undisputed barrier; a waterfall approximately 25 meters high.	APDES	Periphyton biomass (as chlorophyll-a concentrations)	1/year
		APDES	Abundance and composition of benthic macroinvertebrates	1/year
		NPDES	Resident fish population and condition	1/year
		APDES	Resident fish metals concentrations (Al, Ag, Cd, Cr, Cu, Pb, Hg, Ni, Se, and Zn)	1/year
		NPDES/APDES	Sediment toxicity and metals concentrations (Al, Ag, Cd, Cr, Cu, Pb, Hg, Ni, Se, and Zn)	1/year
		NPDES	Outmigrating pink fry abundance	1/year
		NPDES/APDES	Adult salmon escapement surveys	1/year
East Fork Slate Creek	Reach consisting mostly of cascade falls located directly below the tailings treatment facility to the top of the barrier waterfall.	NPDES/APDES	Quality of anadromous fish spawning substrate	1/year
		NPDES	Aquatic vegetation survey	1/year
		APDES	Periphyton biomass (as chlorophyll-a concentrations)	1/year
		NPDES/APDES	Abundance and composition of benthic macroinvertebrates	1/year
		NPDES/APDES	Resident fish population and condition	1/year
West Fork Slate Creek	A Slate Creek tributary located outside of mine influence.	APDES	Resident fish metals concentrations (Al, Ag, Cd, Cr, Cu, Pb, Hg, Ni, Se, and Zn)	1/year
		NPDES/APDES	Sediment toxicity and metals concentrations (Al, Ag, Cd, Cr, Cu, Pb, Hg, Ni, Se, and Zn)	1/year
Upper Slate Creek	Control site, inlet located on the north side of upper Slate Lake outside of mine influence.	NPDES	Aquatic vegetation survey	1/year
		APDES	Periphyton biomass (as chlorophyll-a concentrations)	1/year
		APDES	Abundance and composition of benthic macroinvertebrates	1/year
		APDES	Resident fish population and condition	1/year
		APDES	Resident fish metals concentrations (Al, Ag, Cd, Cr, Cu, Pb, Hg, Ni, Se, and Zn)	1/year
Lower Johnson Creek	Anadromous Section, draining into Berners Bay, below an undisputed barrier; a waterfall approximately 30 meters high.	NPDES/APDES	Sediment toxicity and metals concentrations (Al, Ag, Cd, Cr, Cu, Pb, Hg, Ni, Se, and Zn)	1/year
		NPDES	Resident fish population and condition	1/year
		NPDES/APDES	Sediment toxicity and metals concentrations (Al, Ag, Cd, Cr, Cu, Pb, Hg, Ni, Se, and Zn)	1/year
		NPDES	Outmigrating pink fry abundance	1/year
Middle Johnson Creek	Reach consisting of uniform Pool, Riffle, and Glide Habitat extending from above the anadromous barrier to the Kensington Mine bridge 2.	NPDES	Adult salmon escapement surveys	1/year
		NPDES	Quality of anadromous fish spawning substrate	1/year
Middle Johnson Creek	Reach consisting of uniform Pool, Riffle, and Glide Habitat extending from above the anadromous barrier to the Kensington Mine bridge 2.	NPDES	Resident fish population and condition	1/year

-continued-

Appendix C. Page 3 of 3.

Location	Location Description	NPDES/APDES	Parameters	Sampling Frequency
Upper Johnson Creek	Control site, located above the mill bench and outside of mine influence.	NPDES/APDES	Abundance and composition of benthic macroinvertebrates	1/year
		NPDES	Resident fish population and condition	
		APDES	Periphyton biomass (as chlorophyll-a concentrations)	1/year
	Anadromous Section, draining into Lynn Canal, below and undisputed barrier;	APDES	Abundance and composition of benthic macroinvertebrates	1/year
		NPDES	Resident fish population and condition	1/year
		NPDES/APDES	Sediment toxicity and metals concentrations (Al, Ag, Cd, Cr, Cu, Pb, Hg, Ni, Se, and Zn)	1/year
Lower Sherman Creek	waterfall approximately 15 meters high	NPDES	Outmigrating pink fry abundance	1/year
		NPDES	Adult salmon escapement surveys	1/year
		NPDES/APDES	Quality of anadromous fish spawning substrate	1/year
		NPDES	Aquatic vegetation survey	1/year
	Reach consisting of uniform Pool, Riffle, and Glide Habitat extending from above the anadromous barrier to the first bridge on Comet Road.	NPDES	Resident fish population and condition	1/year
		NPDES/APDES	Sediment toxicity and metals concentrations (Al, Ag, Cd, Cr, Cu, Pb, Hg, Ni, Se, and Zn)	1/year
Middle Sherman Creek	Containing outfall 001 from mine water treatment plant.	NPDES	Aquatic vegetation survey	1/year
Upper Sherman Creek	Control site, located above outfall 001 and the Kensington adit, outside mine influence.	NPDES	Resident fish population and condition	1/year
Lower Sweeny Creek	Anadromous Section, draining into Lynn Canal, below an undisputed barrier. Reach is outside of mine influence.	NPDES	Abundance and composition of benthic macroinvertebrates	1/year

