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## Kensington 2011 Sampling Dates by Site

Parameters	Lower Slate	East Fork Slate	Upper Slate	West Fork Slate	Lower Johnson	Middle Johnson	Upper Johnson	Lower Sherman	Middle Sherman	Upper Sherman	Sweeny
Periphyton Sampling	7/29/11	7/28/11	7/28/11	7/29/11	N/A	N/A	N/A	7/28/11	N/A	N/A	N/A
Macroinvertebrates Sampling	5/4/11	5/12/11	5/12/11	5/4/11	N/A	N/A	5/3/11	5/3/11	N/A	N/A	5/3/11
Spawning Substrate Sampling	8/17/11	N/A	N/A	N/A	8/15/11	N/A	N/A	8/11/11	N/A	N/A	N/A
Escapement Survey	7/19/11- 11/15/11	N/A	N/A	N/A	7/18/11- 11/7/11	N/A	N/A	7/19/11- 9/20/11	N/A	N/A	N/A
Resident Fish Survey	7/14/11	9/1/11	8/10/11	N/A	7/15/11	9/19/11	8/31/11	7/13/11	9/26/11	9/19/11	N/A
Habitat Surveys	7/11/11	8/18/11	8/13/11	N/A	7/12/11	8/19/11	8/19/11	7/12/11	8/18/11	8/18/11	N/A
Out-Migrating Fry Sampling	4/12/11- 5/21/11	N/A	N/A	N/A	4/14/11- 5/21/11	N/A	N/A	4/11/11- 5/20/11	N/A	N/A	N/A
Metal/Toxicity Sediment Sampling	10/3/11	9/26/11	10/6/11	N/A	10/3/11	N/A	N/A	10/4/11	10/4/11	N/A	N/A
Metals Fish Sampling	10/11/2011	9/13/2011	8/10/2011	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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

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Location	Location Description	NPDES/APDES	Parameters	Sampling Frequency
Upper Johnson	Control site, located above the mill bench and outside of mine	NPDES/APDES	Abundance and composition of benthic macroinvertebrates	1/year
Creek	influence.	NPDES	Resident fish population and condition	
		APDES	Periphyton biomass (as chlorophyll-a concentrations)	1/year
	Anadromous Section,	APDES	Abundance and composition of benthic macroinvertebrates	1/year
	draining into Lynn	NPDES	Resident fish population and condition	1/year
	Canal, below and	NPDES/APDES	Sediment toxicity and metals concentrations (Al, Ag, Cd, Cr, Cu, Pb, Hg, Ni, Se, and Zn)	1/year
	undisputed barrier;	NPDES	Outmigrating pink fry abundance	1/year
Lower	waterfall	NPDES	Adult salmon escapement surveys	1/year
Sherman	approximately 15	NPDES/APDES	Quality of anadromous fish spawning substrate	1/year
Creek	meters high	NPDES	Aquatic vegetation survey	1/year
Middle	Reach consisting of uniform Pool, Riffle, and Glide Habitat extending from above the anadromous barrier to the first bridge on Comet Road. Containing outfall 001	NPDES NPDES/APDES	Resident fish population and condition Sediment toxicity and metals concentrations (Al, Ag, Cd, Cr, Cu, Pb, Hg, Ni, Se, and Zn)	1/year 1/year
Sherman	from mine water			
Creek	treatment plant.	NPDES	Aquatic vegetation survey	1/year
Upper Sherman	Control site, located above outfall 001 and the Kensington adit,	111 DLD	rigidate regention survey	1/ year
Creek	outside mine influence.	NPDES	Resident fish population and condition	1/year
Lower Sweeny	Anadromous Section, draining into Lynn Canal, below an undisputed barrier. Reach is outside of			
Creek	mine influence.	NPDES	Abundance and composition of benthic macroinvertebrates	1/year
CIUUN	mme mnuence.	MI DEO	Abundance and composition of benune macromivertebrates	1/ year