Table 2.8-7 Summary of Closure Water Quality Modeling Results

		WQ Guideline	Day 60 Concentra-tion	End of Year Concentration (mg/L)															
				Year 1	Year 2	Year 3	Year 4	Year 5	Year 3	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15	Year 16
Hardness	BC Drinking Water Guideline	100	811	391	213	139	107	94	88	86	85	84	84	84	84	84	84	84	84
Total Silver	CCME Freshwater Aquatic Life	0.0001	0.00005	0.00003	0.00003	0.00003	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002
Total Arsenic	CCME Freshwater Aquatic Life	0.005	0.011	0.005	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Total Cadmium	CCME Freshwater Aquatic Life for Year 100 Hardness	0.00003	0.006	0.003	0.001	0.00049	0.00022	0.00011	0.00006	0.00004	0.00003	0.00003	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002
Total Cyanide	CCME Freshwater Aquatic Life	0.005	0.005	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Total Copper	CCME Freshwater Aquatic Life for Year 100 Hardness	0.002	0.004	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Total Molybdenum	CCME Freshwater Aquatic Life	0.073	0.012	0.006	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Ammonia	CCME Freshwater Aquatic Life	0.019	1.40	0.59	0.25	0.11	0.05	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Nitrate	CCME Freshwater Aquatic Life	13	0.025	0.031	0.033	0.034	0.034	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035
Total Lead	CCME Freshwater Aquatic Life for Year 100 Hardness	0.002	0.015	0.007	0.003	0.0017	0.0010	0.0008	0.0007	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
Total Antimony	CCME Drinking Water	0.006	0.022	0.010	0.005	0.0023	0.0014	0.0010	0.0008	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
Total Selenium	CCME Freshwater Aquatic Life for Year 100 Hardness	0.001	0.237	0.100	0.043	0.0184	0.0081	0.0038	0.0020	0.0012	0.0009	0.0008	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
Sulphate	BC Water Quality Guideline - Alert Level	50.0	1100.0	469.4	203.4	91.2	43.9	23.9	15.5	11.9	10.4	9.8	9.5	9.4	9.3	9.3	9.3	9.3	9.3
Total Thiosalts	None Available	0.000	5.000	2.144	0.939	0.431	0.216	0.126	0.088	0.071	0.065	0.062	0.061	0.060	0.060	0.060	0.060	0.060	0.060
Total Thallium	CCME Freshwater Aquatic Life	0.0008	0.006	0.00266	0.00126	0.00066	0.00041	0.00031	0.00026	0.00024	0.00024	0.00023	0.00023	0.00023	0.00023	0.00023	0.00023	0.00023	0.00023
Total Zinc	CCME Freshwater Aquatic Life	0.030	1.780	0.754	0.322	0.139	0.062	0.030	0.016	0.010	0.008	0.007	0.007	0.006	0.006	0.006	0.006	0.006	0.006