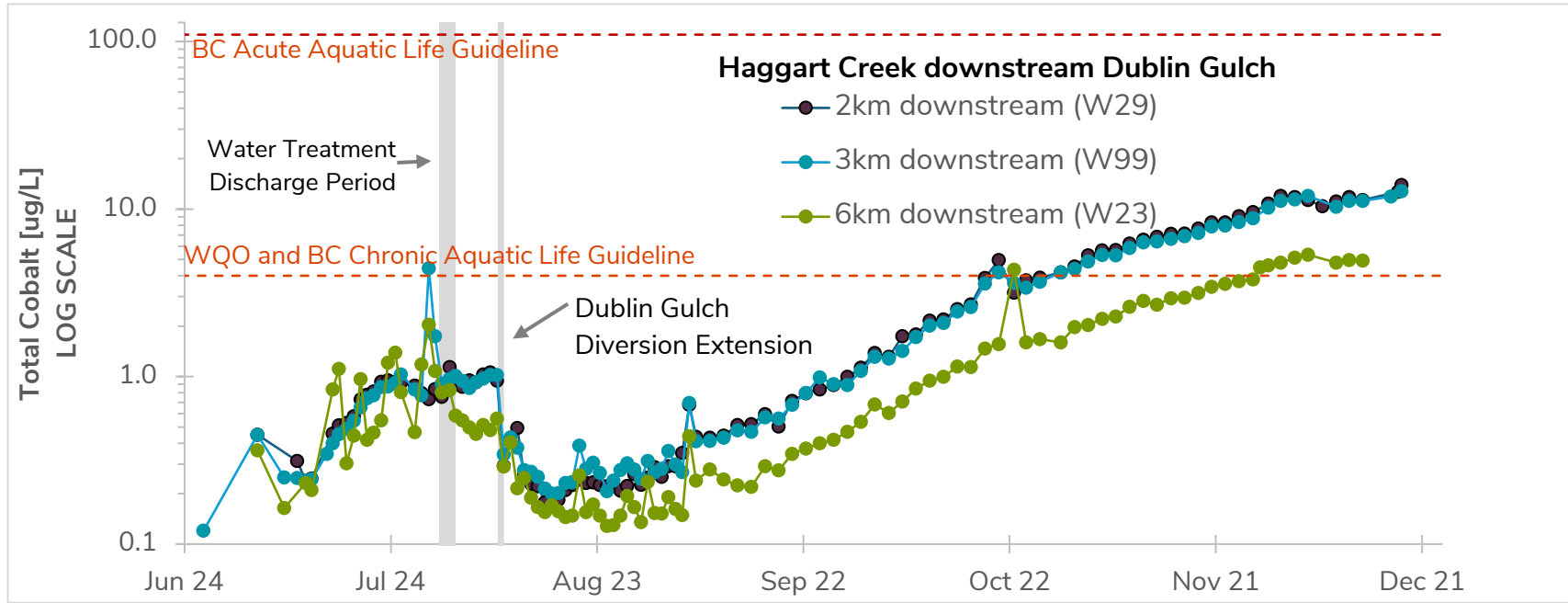


Eagle Gold Mine Water Quality Results (Cobalt)

Data available as of Dec 31




Total Cobalt (ug/L)

ND: indicates result below detection limit


Red shading indicate exceedances of Water Quality Objectives

Station:	Haggart Creek									Dublin Gulch		Eagle Creek	South McQuesten River
	Upstream	→							Downstream	W8	DGD	W45	W49
**WQO:	W25	W22	W4-mix	W29	W99	W5	W23	YT09DD0014	W39				
2024/12/18		10.5	15.3	13.9	12.8								
2024/12/17				12.7									
2024/12/16			14.4		11.9								
2024/12/15													
2024/12/14													
2024/12/13													
2024/12/12		8.8	13.2	11.3	11.2		4.9				0.23		


Total Cobalt (ug/L)

Station:	Haggart Creek									Dublin Gulch		Eagle Creek	South McQuesten River
	Upstream								Downstream	W8	DGD	W45	W49
	W25	W22	W4-mix	W29	W99	W5	W23	YT09DD0014	W39				
	Water Quality Objective: 4 ug/L												
2024/12/11													
2024/12/10		8.4	13.2	11.8	11.2	10.2	5.0					0.21	
2024/12/09	0.4												2.12
2024/12/08		7.9	12.1	11.1	10.3		4.8					0.24	
2024/12/07													
2024/12/06				10.4								0.23	
2024/12/05													2.14
2024/12/04		6.2	12.9	11.3	12.0		5.3			ND		0.32	
2024/12/03	0.3					10.6							
2024/12/02		8.2	13.1	11.8	11.4		5.1					0.28	
2024/12/01													
2024/11/30		10.6	13.0	12.0	11.2		4.8					0.3	
2024/11/29						9.5							
2024/11/28		13.7	11.8	10.8	10.2		4.6			ND		0.24	
2024/11/27							4.5						
2024/11/26			10.4	9.6	8.8		3.8				0.592	0.261	
2024/11/25									2.2				
2024/11/24		16.0	9.8	9.1	8.4		3.7				0.253	0.242	
2024/11/23								1.9					1.48
2024/11/22		19.4	9.1	8.3	8.0		3.6				0.191	0.198	
2024/11/21	0.3												
2024/11/20		14.6	9.5	8.3	7.9		3.4				0.162	0.253	
2024/11/19													
2024/11/18		13.1	8.6	7.7	7.2	7.6	3.2		2.0		0.182	0.211	
2024/11/17										0.015			

Total Cobalt (ug/L)

Station:	Haggart Creek									Dublin Gulch		Eagle Creek	South McQuesten River
	Upstream								Downstream	W8	DGD	W45	W49
	W25	W22	W4-mix	W29	W99	W5	W23	YT09DD0014	W39				
	Water Quality Objective: 4 ug/L												
2024/10/22		3.9	3.59	3.17	3.62		4.34					0.441	
2024/10/21						4.78			1.00				
2024/10/20		3.6	4.77	4.97	4.19		1.56					0.181	
2024/10/19	0.2							0.88					2.17
2024/10/18		2.9	3.73	3.87	3.59		1.47					0.214	
2024/10/17													
2024/10/16		4.9	2.94	2.69	2.60		1.14			0.166		0.217	
2024/10/15													
2024/10/14		6.4	2.67	2.53	2.44		1.15			0.032		0.21	
2024/10/13													
2024/10/12		5.4	2.48	2.19	2.09		1.00					0.205	
2024/10/11	0.2							0.64					1.93
2024/10/10		6.0	2.28	2.16	2.01		0.95					0.234	
2024/10/09													
2024/10/08		4.1	2.00	1.78	1.72		0.85					0.21	
2024/10/07						1.90			0.66	0.027			
2024/10/06		3.5	1.82	1.74	1.42		0.71				0.145	0.232	
2024/10/05	0.2							0.46					1.92
2024/10/04		2.30	1.47	1.31	1.28		0.61				0.183	0.227	
2024/10/03													
2024/10/02		1.79	1.32	1.38	1.31		0.68					0.248	
2024/10/01													
2024/09/30		2.25	1.18	1.13	1.08		0.54					0.244	
2024/09/29	0.2							0.57					1.73
2024/09/28		2.0	0.96	1.00	0.89		0.47					0.284	


Total Cobalt (ug/L)

Station:	Haggart Creek 									Dublin Gulch		Eagle Creek	South McQuesten River	
	Upstream	W25	W22	W4-mix	W29	W99	W5	W23	YT09DD0014	W39	Downstream	W8	DGD	W45
	Water Quality Objective: 4 ug/L													
2024/09/27												0.031		
2024/09/26			2.13	1.00	0.89	0.90				0.42			0.31	
2024/09/25														
2024/09/24			1.64	0.92	0.84	0.99				0.40			0.271	
2024/09/23								0.87			0.50			
2024/09/22			1.34	0.86	0.79	0.80				0.37			0.335	
2024/09/21	0.19										0.34			2.13
2024/09/20			1.75	0.77	0.72	0.68				0.35			0.315	
2024/09/19											0.047			
2024/09/18			1.27	0.73	0.50	0.56				0.28			0.308	
2024/09/17														
2024/09/16			1.22	0.60	0.60	0.57	0.55			0.29		0.56	0.402	
2024/09/15														
2024/09/14			1.07	0.56	0.52	0.47				0.22			0.424	
2024/09/13											0.53			1.77
2024/09/12			0.78	0.47	0.51	0.48				0.22			0.41	
2024/09/11											0.048			
2024/09/10			0.74	0.47	0.44	0.43				0.24			0.436	
2024/09/09														
2024/09/08			0.68	0.40	0.43	0.41				0.28			0.411	
2024/09/07														
2024/09/06			0.65	0.40	0.44	0.41				0.24	0.64		0.378	1.95
2024/09/05			1.06	0.90	0.68	0.69				0.44			0.464	
2024/09/04			0.55	0.34	0.35	0.27				0.15	0.28		0.406	1.27
2024/09/03			0.57	0.35	0.29	0.30				0.16			0.439	


Total Cobalt (ug/L)

Station:	Haggart Creek									Dublin Gulch		Eagle Creek	South McQuesten River
	Upstream								Downstream	W8	DGD	W45	W49
	W25	W22	W4-mix	W29	W99	W5	W23	YT09DD0014	W39				
	Water Quality Objective: 4 ug/L												
2024/09/02		0.43	0.29	0.29	0.36	0.42	0.19	0.56	0.83	0.029		0.423	1.29
2024/09/01		0.45	0.30	0.25	0.28		0.15					0.53	
2024/08/31		0.35	0.29	0.29	0.27		0.15	0.71				0.483	1.08
2024/08/30		0.32	0.30	0.25	0.31		0.24					0.553	
2024/08/29		0.34	0.22	0.23	0.25		0.14	0.28				0.505	0.887
2024/08/28	0.24	0.32	0.26	0.26	0.28		0.17					0.619	
2024/08/27		0.24	0.22	0.22	0.30		0.19	0.74				0.553	1.66
2024/08/26		0.24	0.22	0.21	0.28	0.35	0.15		2.02	0.076		0.592	
2024/08/25		0.32	0.24	0.23	0.24		0.13	0.49				0.616	1.15
2024/08/24		0.25	0.2	0.2	0.21		0.13					0.602	
2024/08/23		0.22	0.21	0.23	0.27		0.15	0.66				0.663	1.06
2024/08/22		0.28	0.24	0.23	0.3		0.17					0.691	
2024/08/21		0.22	0.23	0.23	0.3		0.16	0.66				0.714	1.02
2024/08/20		0.30	0.28	0.25	0.39		0.26					0.699	
2024/08/19		0.39	0.21	0.23	0.23		0.15	3.10		0.019		0.76	1.25
2024/08/18		0.43	0.22	0.21	0.23		0.15					0.786	
2024/08/17		0.19	0.14	0.18	0.2		0.16	0.81				0.757	1.12
2024/08/16		0.23	0.16	0.17	0.20		0.17					0.75	
2024/08/15		0.20	0.18	0.18	0.21		0.16	0.54		0.029		0.76	0.992
2024/08/14		0.21	0.20	0.22	0.25		0.17					0.92	
2024/08/13		0.23	0.22	0.23	0.27		0.19	1.01				0.976	0.773
2024/08/12		0.20	0.22	0.26	0.28	0.70	0.25		2.52			0.946	
2024/08/11		0.24	0.90	0.49	0.38		0.22	1.32				0.86	1.16
2024/08/10		0.21	0.18	0.41	0.43		0.40					0.999	
2024/08/09		0.19	0.30	0.29	0.34		0.29	1.34		0.016		0.907	0.755

Total Cobalt (ug/L)

Station:	Haggart Creek									Dublin Gulch		Eagle Creek	South McQuesten River
	Upstream								Downstream	W8	DGD	W45	W49
	W25	W22	W4-mix	W29	W99	W5	W23	YT09DD0014	W39				
	Water Quality Objective: 4 ug/L												
2024/08/08	0.31	0.21	0.56	0.95	1.02		0.56					1.02	
2024/08/07		0.16	1.11	1.06	1.02		0.48	0.68				1.14	0.938
2024/08/06		0.20	1.09	1.03	0.97		0.51					1.2	
2024/08/05		0.18	1.06	0.93	0.93		0.46	0.93				1.21	1.03
2024/08/04		0.19	1.00	0.95	0.86		0.50					1.25	
2024/08/03		0.23	0.92	0.87	0.94		0.55	1.10				1.25	0.874
2024/08/02		0.20	0.99	0.94	1.01	1.15	0.58			1.38		1.38	
2024/08/01		0.18	1.40	1.14	0.97		0.83	0.74				1.28	0.75
2024/07/31		0.21	0.93	0.76	0.90		0.81					1.54	
2024/07/30		0.21	0.94	0.84	1.74		1.08	2.36				1.54	1.33
2024/07/29		0.19	0.96	0.73	4.43		2.04					1.62	
2024/07/28		0.17	0.95	0.80	0.77		1.18	0.89				1.66	0.792
2024/07/27		0.18	0.93	0.88	0.84		0.47					1.7	
2024/07/26													
2024/07/25		0.24	0.91	0.92	1.03	1.66	0.81			3.92		1.83	
2024/07/24		0.16	0.98	0.93	0.92		1.39	1.50				1.74	0.829
2024/07/23		0.13	0.98	0.95	0.87		1.21					2.05	
2024/07/22		0.16	0.93	0.93	0.87		0.55	1.02				2.18	0.949
2024/07/21		0.14	0.98	0.82	0.77		0.46					2.14	
2024/07/20		0.17	0.72	0.78	0.74		0.42	0.52				2.31	1
2024/07/19		0.18	0.66	0.73	0.65	0.87	0.97			1.18		2.31	
2024/07/18		0.17	0.61	0.58	0.55		0.44	0.67				2.2	0.855
2024/07/17				0.53	0.49		0.30					2.37	
2024/07/16				0.51	0.45		1.11	1.71				2.61	1.54
2024/07/15				0.46	0.40		0.84					2.71	

Total Cobalt (ug/L)

Station:	Haggart Creek									Dublin Gulch		Eagle Creek	South McQuesten River
	Upstream								Downstream	W8	DGD	W45	W49
	W25	W22	W4-mix	W29	W99	W5	W23	YT09DD0014	W39				
	Water Quality Objective: 4 ug/L												
2024/07/14					0.35								
2024/07/13													
2024/07/12				0.25	0.24		0.21	0.38				3.29	0.968
2024/07/11				0.24	0.24	0.95	0.23	0.22	0.23			3.34	1.14
2024/07/10		0.14	0.16	0.31	0.25			3.81			0.022		
2024/07/09													
2024/07/08					0.25		0.16						1.17
2024/07/07													
2024/07/06													
2024/07/05						0.88			0.21				
2024/07/04		0.15	0.16	0.45	0.45		0.36				0.024		
2024/07/03													
2024/07/02													
2024/07/01													
2024/06/30													
2024/06/29													
2024/06/28													
2024/06/27													
2024/06/26					0.12								
2024/06/25			ND										
2024/06/24													

Notes

- Detection limits vary between different parameters, as well as from sample to sample, so "ND" results are not all directly comparable
- Water Quality Objectives (WQO's) were developed for monitoring stations W4, W29, W99 and W23; however, for comparative purposes all locations within Haggart Creek that contain values above the WQO are highlighted in this report
- Exceedances of WQO may be the result of high background concentrations and so not all exceedances are indicative of project effects