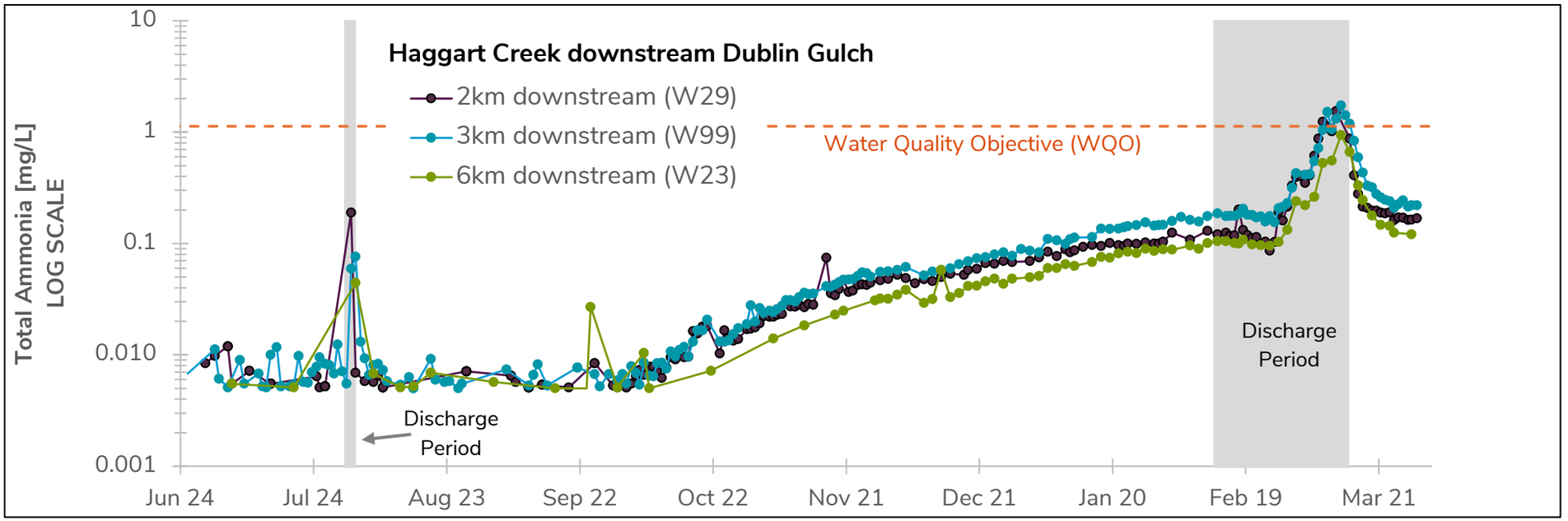
Eagle Gold Mine Water Quality Results (Ammonia)

Data available as of Apr 03 2025



Total Ammonia (mg/L)

ND: indicates result below detection limit

Red shading indicate exceedances of Water Quality Objectives

	Haggart Creek									Dublin Gulch		Eagle Creek	South McQuesten River
	Upstream →								Downstream				
Station:	W25	W22	W4-mix	W29	W99	W98	W5	W23	W39	W8	DGD	W45	W49
	Water Quality Objective: 1.13 mg/L												
2025/03/29			0.118	0.168	0.220								
2025/03/28			0.112	0.164	0.221			0.121					
2025/03/27			0.109	0.163	0.214							2.920	
2025/03/26			0.114	0.170	0.244								
2025/03/25			0.107	0.171	0.225							3.210	
2025/03/24			0.101	0.162	0.209			0.125				3.410	
2025/03/23	0.006	0.016	0.113	0.191	0.240			0.144				4.120	

Total Ammonia (mg/L)

	Haggart Creek									Dublin Gulch		Eagle Creek	South McQuesten River
	Upstream →								Downstream				
Station:	W25	W22	W4-mix	W29	W99	W98	W5	W23	W39	W8	DGD	W45	W49
	Water Quality Objective: 1.13 mg/L												
2025/03/22			0.103	0.186	0.247							4.380	
2025/03/21	ND	0.017	0.106	0.190	0.259			0.147				4.510	
2025/03/20			0.107	0.197	0.278	0.338						4.840	
2025/03/19	ND	0.027	0.105	0.197	0.320			0.178		ND	ND	4.960	
2025/03/18			0.105	0.208	0.330	0.358						5.060	
2025/03/17	0.008	0.017	0.102	0.215	0.432		0.489	0.245	0.238			5.780	0.068
2025/03/16	ND	0.018	0.103	0.279	0.592	0.657		0.333				6.490	
2025/03/15			0.102	0.409	0.835					ND	ND	7.090	
2025/03/14	ND	0.017	0.101	0.876	1.190	1.160		0.663				7.840	
2025/03/13			0.097		1.420				0.428				
2025/03/12	ND	0.015	0.099		1.740	1.660		0.942					
2025/03/11			0.093	1.540	1.320				0.283			7.520	
2025/03/10	0.008	0.023	0.095	1.020	1.060	0.916	1.010	0.554	0.339			6.540	0.080
2025/03/09			0.095	1.120	1.520				0.236			6.590	
2025/03/08	0.008	0.014	0.093	1.240	1.050	1.070		0.527				7.780	
2025/03/07			0.092	0.875	0.719				0.119			4.810	
2025/03/06	0.008	0.015	0.108	0.614	0.549	0.567		0.262				3.950	
2025/03/05			0.084	0.410	0.418				0.108			2.800	
2025/03/04	ND	0.016	0.089	0.350	0.414	0.410		0.221	0.112			2.390	0.062
2025/03/03			0.094	0.403			0.466		0.102	0.008		2.080	0.062
2025/03/02	0.007	0.014	0.102	0.396	0.428	0.425		0.240				1.670	
2025/03/01			0.084	0.330	0.317				0.051	ND		1.310	
2025/02/28	0.005	0.013	0.082	0.214	0.231			0.133					
2025/02/27			0.083	0.161	0.213								
2025/02/26		0.012	0.087	0.193	0.207			0.103					

Total Ammonia (mg/L)

	Haggart Creek									Dublin Gulch		Eagle Creek	South McQuesten River
	Upstream →								Downstream				
Station:	W25	W22	W4-mix	W29	W99	W98	W5	W23	W39	W8	DGD	W45	W49
	Water Quality Objective: 1.13 mg/L												
2025/02/25			0.080	0.103	0.155								
2025/02/24	ND	0.013	0.117	0.086	0.176	0.176		0.096				0.040	
2025/02/23			0.081	0.104	0.157				0.032	0.008		0.065	
2025/02/22		0.011	0.088		0.175	0.177		0.096				0.044	
2025/02/21			0.083	0.114	0.171		0.470		0.051			0.044	
2025/02/20		0.012	0.090	0.112	0.180	0.189		0.098				0.047	
2025/02/19			0.080	0.119	0.181				0.046			0.040	0.075
2025/02/18		0.015	0.111	0.132	0.205	0.182		0.108				0.044	
2025/02/17	0.007	0.018	0.181	0.202	0.183			0.100	0.036			0.050	
2025/02/16		0.012	0.091	0.118	0.177	0.192		0.101				0.046	
2025/02/15			0.091	0.117	0.177				0.034			0.046	
2025/02/14		0.012	0.085	0.125	0.176	0.189		0.105				0.053	
2025/02/13									0.117				0.160
2025/02/12	0.005	0.024	0.260	0.121	0.186	0.188		0.105				0.051	
2025/02/11													
2025/02/10	ND	0.014	0.086	0.130	0.176	0.183	0.184	0.101		ND		0.045	
2025/02/09													
2025/02/08		0.014	0.078		0.157	0.190		0.090		ND		0.042	
2025/02/07													
2025/02/06		0.015	0.076	0.108	0.163			0.096		ND			
2025/02/05													
2025/02/04	ND	0.014	0.081		0.173	0.196	0.202					0.046	
2025/02/03									0.040				0.071
2025/02/02		0.013	0.078	0.125	0.159	0.179		0.088				0.047	
2025/02/01													

Total Ammonia (mg/L)

	Haggart Creek									Dublin Gulch		Eagle Creek	South McQuesten River
	Upstream →								Downstream				
Station:	**W25**	**W22**	**W4-mix**	**W29**	**W99**	**W98**	**W5**	**W23**	**W39**	**W8**	**DGD**	**W45**	**W49**
	Water Quality Objective: 1.13 mg/L												
2025/01/31		0.011	0.073	0.104	0.147	0.160		0.089				0.042	
2025/01/30				0.100	0.146					ND			
2025/01/29		0.010	0.068	0.100	0.145	0.160		0.086				0.037	
2025/01/28							0.156		0.043				
2025/01/27	ND	0.015	0.072	0.102	0.155			0.090				0.038	0.061
2025/01/26													
2025/01/25		0.011	0.065	0.100	0.146			0.082				0.036	
2025/01/24										ND			
2025/01/23		0.012	0.066	0.100	0.143			0.084				0.038	
2025/01/22		0.015	0.063	0.095	0.140								
2025/01/21	ND	0.012	0.063	0.097	0.136			0.082				0.038	
2025/01/20							0.157		0.035				0.058
2025/01/19		0.012	0.065	0.101	0.135			0.074				0.039	
2025/01/18										ND			
2025/01/17		0.014	0.063	0.095	0.136			0.076				0.038	
2025/01/16									0.040				0.063
2025/01/15		0.011	0.056	0.097	0.114			0.068				0.042	
2025/01/14	ND												
2025/01/13				0.094			0.137					0.036	
2025/01/12													
2025/01/11		0.014	0.061	0.087	0.113			0.063				0.038	
2025/01/10				0.083	0.109								
2025/01/09		0.016	0.053	0.089	0.099			0.065				0.043	
2025/01/08									0.026				0.057
2025/01/07	ND	0.016	0.053	0.077	0.107		0.113	0.060				0.043	

Total Ammonia (mg/L)

	Haggart Creek									Dublin Gulch		Eagle Creek	South McQuesten River
	Upstream →								Downstream				
Station:	W25	W22	W4-mix	W29	W99	W98	W5	W23	W39	W8	DGD	W45	W49
	Water Quality Objective: 1.13 mg/L												
2025/01/06										ND			
2025/01/05		0.014	0.055	0.084	0.110			0.060	0.026			0.050	0.060
2025/01/04													
2025/01/03		0.012	0.044	0.075	0.084			0.051				0.038	
2025/01/02										ND			
2025/01/01		0.010	0.046	0.070	0.086		0.095	0.050				0.038	
2024/12/31													
2024/12/30	ND	0.010	0.049		0.089							0.041	
2024/12/29													
2024/12/28		0.011	0.046	0.068	0.078			0.048				0.044	
2024/12/27													
2024/12/26		0.015	0.051	0.070	0.084			0.044				0.036	
2024/12/25							0.089		0.046	ND			0.056
2024/12/24	ND	0.010	0.046	0.066	0.080			0.048				0.042	
2024/12/23													
2024/12/22		0.008	0.040	0.066	0.075			0.046		ND		0.046	
2024/12/21													
2024/12/20		0.010	0.041	0.059	0.074			0.042				0.038	
2024/12/19									0.021				0.055
2024/12/18	ND	0.008	0.040	0.058	0.069			0.041				0.040	
2024/12/17				0.052									
2024/12/16		0.009	0.037		0.065		0.071	0.036				0.041	
2024/12/15													
2024/12/14		0.007	0.041	0.053	0.060			0.033				0.043	
2024/12/13									0.018	ND			

Total Ammonia (mg/L)

	Haggart Creek									Dublin Gulch		Eagle Creek	South McQuesten River
	Upstream →								Downstream				
Station:	**W25**	**W22**	**W4-mix**	**W29**	**W99**	**W98**	**W5**	**W23**	**W39**	**W8**	**DGD**	**W45**	**W49**
	Water Quality Objective: 1.13 mg/L												
2024/12/12		0.012	0.038	0.050	0.058			0.058				0.045	
2024/12/11													
2024/12/10		0.007	0.034	0.046	0.056		0.061	0.032				0.045	
2024/12/09	ND												0.049
2024/12/08		0.007	0.034	0.048	0.052			0.029				0.047	
2024/12/07													
2024/12/06				0.044								0.058	
2024/12/05													0.053
2024/12/04		0.009	0.035	0.049	0.061			0.038		ND		0.061	
2024/12/03	ND						0.066						
2024/12/02		0.015	0.036	0.052	0.058			0.035				0.061	
2024/12/01													
2024/11/30		0.008	0.033	0.048	0.056			0.032				0.059	
2024/11/29							0.059						
2024/11/28		0.011	0.036	0.047	0.056			0.032		ND		0.058	
2024/11/27								0.031					
2024/11/26		0.005	0.034	0.044	0.051							0.056	
2024/11/25	0.008	0.006	0.030	0.042	0.054				0.023			0.058	0.047
2024/11/24		0.014	0.033	0.043	0.055							0.057	
2024/11/23		0.012	0.030	0.043	0.051					ND		0.052	
2024/11/22		0.012	0.029	0.038	0.048							0.050	
2024/11/21		0.005	0.030	0.037	0.048							0.055	
2024/11/20		0.006	0.042	0.047	0.047			0.025				0.054	
2024/11/19		0.020	0.027	0.039	0.045							0.046	
2024/11/18	0.005	0.013	0.029	0.034	0.043		0.042	0.023	0.017			0.045	0.050

Total Ammonia (mg/L)

	Haggart Creek								Dublin Gulch		Eagle Creek	South McQuesten River
	Upstream →							Downstream				
Station:	W25	W22	W4-mix	W29	W99	W98	W5	W23	W39	W8	DGD	W45	W49
	Water Quality Objective: 1.13 mg/L												
2024/11/17		0.013	0.026	0.036	0.041					ND		0.044	
2024/11/16		0.012	0.024	0.074	0.041							0.042	
2024/11/15													
2024/11/14													
2024/11/13		0.009	0.029	0.028	0.036							0.046	
2024/11/12		0.010	0.024	0.029	0.035							0.043	
2024/11/11	0.005	0.009	0.024	0.027	0.036		0.030	0.018	0.009			0.044	0.043
2024/11/10		0.009	0.024	0.028	0.033							0.049	
2024/11/09		0.010	0.023	0.027	0.030							0.046	
2024/11/08		0.010	0.022	0.027	0.031							0.042	
2024/11/07		0.011	0.026	0.030	0.031							0.042	
2024/11/06		0.008	0.020	0.023	0.028							0.041	
2024/11/05		0.006	0.019	0.023	0.026							0.042	
2024/11/04	0.008	0.007	0.020	0.022	0.024		0.040	0.014	0.009			0.038	0.033
2024/11/03		0.008	0.019	0.022	0.025					ND		0.041	
2024/11/02		0.009	0.019	0.022	0.024							0.046	
2024/11/01		0.008	0.017	0.019	0.026							0.058	
2024/10/31		0.007	0.016	0.018	0.020							0.046	
2024/10/30		0.011	0.016	0.017	0.028							0.047	
2024/10/29		0.007	0.016	0.017	0.019							0.046	
2024/10/28													
2024/10/27		ND	0.019	0.014	0.017					ND		0.045	
2024/10/26		0.006	0.013	0.013	0.015							0.046	
2024/10/25		0.008	0.013	0.014	0.014							0.045	
2024/10/24		0.006	0.012	0.017	0.013							0.047	

Total Ammonia (mg/L)

	Haggart Creek									Dublin Gulch		Eagle Creek	South McQuesten River
	Upstream →								Downstream				
Station:	W25	W22	W4-mix	W29	W99	W98	W5	W23	W39	W8	DGD	W45	W49
	Water Quality Objective: 1.13 mg/L												
2024/10/23		ND	0.011	0.010	0.013							0.048	
2024/10/22													
2024/10/21							0.013	0.007	0.006				0.029
2024/10/20		0.006		0.018	0.021							0.055	
2024/10/19	ND		0.018	0.018	0.017								
2024/10/18		ND	0.014	0.016	0.017							0.040	
2024/10/17		0.006	0.019	0.016	0.013							0.029	
2024/10/16		ND	0.010	0.010	0.010							0.028	
2024/10/15		ND	0.010	0.010	0.012								
2024/10/14					0.011								
2024/10/13		ND	0.008	0.009	0.010							0.025	
2024/10/12		ND	0.009	0.010	0.011							0.027	
2024/10/11		ND	0.008	0.008	0.008							0.024	
2024/10/10		ND	0.007	0.006	0.009							0.026	
2024/10/09		ND	0.007	0.007	0.008							0.024	
2024/10/08		ND	0.006	0.008	0.006							0.021	
2024/10/07		ND	0.010	0.008	0.007		0.005	ND	ND	ND		0.024	0.016
2024/10/06		ND	0.007	0.007	0.009			0.010				0.023	
2024/10/05		ND	ND	0.007	0.005							0.022	
2024/10/04		ND	0.007	0.007	0.007							0.023	
2024/10/03		ND	0.007	0.006	0.008							0.024	
2024/10/02		ND	ND	0.005	0.006							0.025	
2024/10/01		0.005	ND	ND	0.007							0.023	
2024/09/30		ND	ND	0.005	0.006		0.011	0.005	ND	ND		0.019	0.013
2024/09/29		0.007	ND	0.005	ND							0.019	

Total Ammonia (mg/L)

	Haggart Creek									Dublin Gulch		Eagle Creek	South McQuesten River
	Upstream →								Downstream				
Station:	W25	W22	W4-mix	W29	W99	W98	W5	W23	W39	W8	DGD	W45	W49
	Water Quality Objective: 1.13 mg/L												
2024/09/28		ND	ND	ND	0.007							0.016	
2024/09/27		ND	ND	ND	ND							0.014	
2024/09/26		ND	ND	ND	0.005							0.017	
2024/09/25		ND	ND	0.008	0.007							0.013	
2024/09/24		ND	ND	ND	ND			0.027				0.012	
2024/09/23		0.007	0.006	ND	ND		0.007	ND	0.008	ND		0.012	0.009
2024/09/22		ND	ND	ND	ND							0.010	
2024/09/21	ND	ND	ND	ND	0.008							0.010	
2024/09/20		ND											
2024/09/19		ND	ND	0.005	ND							0.010	
2024/09/18												0.009	
2024/09/17										ND			
2024/09/16		ND	0.006	ND	ND		ND	ND	0.007			0.011	0.011
2024/09/15													
2024/09/14		ND	ND	ND	0.005							0.012	
2024/09/13		ND	ND	0.005	ND							0.015	
2024/09/12		ND	ND	ND	0.008							0.007	
2024/09/11		ND	ND	ND	0.007					ND			
2024/09/10		ND	ND	0.005	0.005								
2024/09/09													
2024/09/08			ND									0.009	
2024/09/07		ND	ND	0.006	ND							0.007	
2024/09/06		ND	0.005	0.007	ND							0.009	
2024/09/05		ND	ND	ND	0.007							0.012	
2024/09/04		ND	ND	ND	ND							0.009	0.006

Total Ammonia (mg/L)

	Haggart Creek									Dublin Gulch		Eagle Creek	South McQuesten River
	Upstream →								Downstream				
Station:	W25	W22	W4-mix	W29	W99	W98	W5	W23	W39	W8	DGD	W45	W49
	Water Quality Objective: 1.13 mg/L												
2024/09/03		ND		ND	ND							0.008	
2024/09/02		ND	ND	ND	ND		0.008	0.006	0.008	ND		0.007	0.009
2024/09/01		ND	ND	ND	ND							0.009	
2024/08/31		ND	ND	ND	ND							0.012	
2024/08/30		ND	ND	ND	ND							0.008	
2024/08/29		ND	ND	ND	ND							0.008	
2024/08/28	ND	ND	ND	ND	ND							0.007	
2024/08/27		0.005	0.035	0.007	ND							0.008	0.009
2024/08/26		ND	ND	ND	0.006		0.008	ND	0.010	ND		0.009	0.026
2024/08/25		ND	ND	ND	0.005							0.008	
2024/08/24		ND	ND	ND	ND							0.006	
2024/08/23		0.006	ND	ND	0.006							0.011	
2024/08/22		ND	ND	ND	0.006							0.008	
2024/08/21		ND	ND	ND	ND							0.008	
2024/08/20		ND	ND	ND	0.006			ND				0.009	
2024/08/19		0.006	0.008	ND	0.009			0.007		ND		0.011	0.010
2024/08/18		ND	ND									0.010	
2024/08/17		ND	ND	ND	ND							0.010	
2024/08/16		0.005	ND	ND	ND							0.009	
2024/08/15		ND	ND	ND	0.005			0.005		0.006		0.009	
2024/08/14		ND	ND	ND	0.006							0.008	
2024/08/13		ND	ND	ND	ND								0.009
2024/08/12		0.008	0.007	ND	0.005		0.009	0.005	0.008	ND			0.010
2024/08/11		ND	0.006	ND	ND				0.018			0.007	0.010
2024/08/10		ND	ND	ND	ND							0.007	

Total Ammonia (mg/L)

	Haggart Creek									Dublin Gulch		Eagle Creek	South McQuesten River
	Upstream →								Downstream				
Station:	W25	W22	W4-mix	W29	W99	W98	W5	W23	W39	W8	DGD	W45	W49
	Water Quality Objective: 1.13 mg/L												
2024/08/09		ND	ND	ND	0.006					0.013		0.008	
2024/08/08	ND	0.005	0.006	0.005	0.007							0.008	
2024/08/07		ND	0.007	0.007	0.008							0.010	
2024/08/06		ND	0.006	0.006	0.008		0.009	0.007	0.007			0.010	0.007
2024/08/05		ND	ND	ND	0.007							0.008	
2024/08/04		ND	ND	0.006	0.009					ND		0.007	
2024/08/03		ND	ND	ND	0.013							0.008	
2024/08/02		ND	0.005	0.007	0.076		0.070	0.044	0.030			0.009	0.013
2024/08/01		ND	0.279	0.190	0.060							0.009	
2024/07/31		ND	ND	ND	0.006			ND				0.009	
2024/07/30		ND	ND	ND	0.007							0.009	0.010
2024/07/29		ND	ND	ND	0.012							0.012	
2024/07/28		0.006	0.008	ND	0.007							0.013	
2024/07/27		ND	ND	ND	0.008							0.014	
2024/07/26		0.005	ND	0.005	0.008							0.014	
2024/07/25		ND	ND	0.005	0.010		0.007	ND	0.016			0.013	0.012
2024/07/24		ND	ND	0.006	0.008							0.015	
2024/07/23		ND	ND	ND	0.007							0.012	
2024/07/22		ND	0.006	ND	0.006							0.017	
2024/07/21		ND	ND	ND	0.006							0.015	
2024/07/20		ND	ND	ND	0.010							0.014	
2024/07/19		0.011	0.006	ND	0.005		0.006	0.005	0.006			0.015	0.010
2024/07/18		ND	ND	ND	0.005							0.013	
2024/07/17		ND	ND	ND	ND							0.018	
2024/07/16		ND	0.006	ND	0.005							0.015	
2024/07/15		ND	ND	ND	0.012					ND		0.016	
2024/07/14		ND	ND	0.006	0.010							0.019	
2024/07/13		ND	ND	ND	0.005							0.017	

Total Ammonia (mg/L)

	Haggart Creek									Dublin Gulch		Eagle Creek	South McQuesten River
	Upstream →								Downstream				
Station:	W25	W22	W4-mix	W29	W99	W5	W23	YT09DD0014	W39	W8	DGD	W45	W49
	Water Quality Objective: 1.13 mg/L												
2024/07/12		ND	ND	ND	0.005							0.018	
2024/07/11		ND	ND	ND	0.007		0.005	ND	ND			0.015	0.007
2024/07/10		0.007	ND	ND	ND					ND		0.015	
2024/07/09		ND	0.010	0.007	ND					ND		0.011	
2024/07/08		ND	ND	ND	0.006							0.012	
2024/07/07		ND		ND	0.009							0.011	
2024/07/06		ND		ND	ND							0.010	
2024/07/05				0.006			ND	0.006	0.006				0.009
2024/07/04		ND	ND	0.012	0.005			ND		ND		0.007	
2024/07/03			ND	ND	ND							0.012	
2024/07/02		ND	ND	ND	0.006							0.008	
2024/07/01				0.010	0.011								
2024/06/30													0.006
2024/06/29		0.005		0.008						ND			0.009
2024/06/28													
2024/06/27					ND					ND			
2024/06/26										ND			
2024/06/25		ND	ND		0.007								
2024/06/24		0.006		ND									

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