

Yukon Government Water Quality Results (CN)
Eagle Gold Mine, 2024-09-30 to 2024-10-06

Cyanide not detected in sample (ND)
 Cyanide detected below applicable guideline
 Cyanide detected above CCME aquatic health guidelines
 No fill: cyanide detected, no applicable guideline
 " - " Indicates no sample collected or no result

		Upstream Downstream									
		Haggart	Haggart	Dublin	Haggart	Eagle	Haggart	Haggart	Haggart	Haggart	S. McQ.
Date		W25	W22	W8	W4-mix	W45	W29	W99	W23	YT09DD0014	W49
Cyanide WAD mg/L	2024/09/30	-	0.00202	-	0.00158	ND	0.00061	ND	0.00092	-	-
	2024/10/01	-	-	-	-	-	-	-	-	-	-
	2024/10/02	-	0.00183	-	0.00183	ND	0.00076	0.00061	ND	-	-
Aquatic Health Guideline:	2024/10/03	-	-	-	-	-	-	-	-	-	-
	2024/10/04	-	0.00343	-	0.00249	0.00112	0.00154	0.00137	ND	-	-
	2024/10/05	ND	-	-	-	-	-	-	-	0.0006	ND
	2024/10/06	-	0.00354	-	0.00225	0.00095	0.00138	0.00129	ND	-	-
0.005											
Cyanide Free mg/L	2024/09/30	-	0.0015	-	ND	ND	ND	ND	ND	-	-
	2024/10/01	-	-	-	-	-	-	-	-	-	-
	2024/10/02	-	0.0014	-	0.0014	ND	ND	ND	ND	-	-
Aquatic Health Guideline:	2024/10/03	-	-	-	-	-	-	-	-	-	-
	2024/10/04	-	0.0016	-	0.0021	ND	0.0013	ND	ND	-	-
	2024/10/05	-	-	-	-	-	-	-	-	-	-
	2024/10/06	-	0.0033	-	0.0012	ND	0.0012	0.00120	ND	-	-
0.005											
Cyanide SAD mg/L	2024/09/30	-	0.00323	-	0.00176	ND	0.00128	0.00112	0.00092	-	-
	2024/10/01	-	-	-	-	-	-	-	-	-	-
	2024/10/02	-	0.00266	-	0.00169	ND	0.00117	0.00131	0.00063	-	-
Aquatic Health Guideline:	2024/10/03	-	-	-	-	-	-	-	-	-	-
	2024/10/04	-	0.00316	-	0.00307	0.00082	0.00178	0.00156	0.00084	-	-
	2024/10/05	ND	-	-	-	-	-	-	-	ND	ND
	2024/10/06	-	0.00477	-	0.0021	0.00058	0.00176	0.00171	0.00055	-	-
NA											
Thiocyanate CN-CNS mg/L	2024/09/30	-	0.08	-	ND	ND	ND	ND	ND	-	-
	2024/10/01	-	-	-	-	-	-	-	-	-	-
	2024/10/02	-	0.05	-	ND	ND	ND	ND	ND	-	-
Aquatic Health Guideline:	2024/10/03	-	-	-	-	-	-	-	-	-	-
	2024/10/04	-	Results Pending	-	-	-	-	-	-	-	-
	2024/10/05	ND	-	-	-	-	-	-	-	ND	ND
	2024/10/06	-	0.17	-	ND	ND	ND	ND	ND	-	-
NA											
Cyanate CN-CNO mg/L	2024/09/30	-	ND	ND	ND	ND	ND	ND	ND	-	-
	2024/10/01	-	-	-	-	-	-	-	-	-	-
	2024/10/02	-	ND	ND	0.075	ND	ND	ND	ND	-	-
Aquatic Health Guideline:	2024/10/03	-	-	-	-	-	-	-	-	-	-
	2024/10/04	-	Results Pending	-	-	-	-	-	-	-	-
	2024/10/05	ND	-	-	-	-	-	-	-	ND	ND
	2024/10/06	-	ND	-	ND	ND	ND	ND	ND	-	-
NA											

**Note: Detection limits vary between different parameters, as well as from sample to sample, so "ND" results are not all directly comparable

**Yukon Government Water Quality Results (Metals and Other Parameters)
Eagle Gold Mine, 2024-09-30 to 2024-10-06**

Parameters listed in table below indicate exceedances of Eagle Gold's Water Quality Objectives.

No fill: no exceedances of WQO

Indicates no sample collected or results pending



Date	Haggart Creek					
	W25	W22	W4-mix	W29	W99	W23
2024/09/30	-	Hg-T	Hg-T	Hg-T	Hg-T	
2024/10/01	-	-	-	-	-	-
2024/10/02	-	Hg-T	Hg-T	Hg-T	Hg-T	
2024/10/03	-	-	-	-	-	-
2024/10/04	-	**Hg-T	**Hg-T	**Hg-T	**Hg-T	**
2024/10/05	-	-	-	-	-	-
2024/10/06	-	Results Pending				

Results are compared to the Eagle Gold Water Quality Objectives. These objectives were developed to apply at W4-mix, W29, W99, and W23.

Exceedances may be the result of high background concentrations and not indicative of project effects

Codes:

Hg-T Total Mercury

** note: results on October 4 are partial at this time, not all parameters compared against objectives