



B25061875_Schwartzwalder Mine

1 message

Stacie M. Helms <SHelms@energylab.com>

Tue, Jul 1, 2025 at 8:09 AM

To: "Adam.billin@linkan.com" <Adam.billin@linkan.com>, "Alex.schwiebert@linkan.com" <Alex.schwiebert@linkan.com>, "ap@linkan.com" <ap@linkan.com>, "chris.prosper@linkan.com" <chris.prosper@linkan.com>, "Peter.hays@state.co.us" <Peter.hays@state.co.us>

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Sincerely,

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Stacie Helms | Administrative Assistant | Billings, MT

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B25061875-PRELIMINARY REPORT-B25061875-1.PDF

40K



LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25061875-001
Client Sample ID: Mine Pool

Report Date: 06/30/25
Collection Date: 06/19/25 09:40
Date Received: 06/20/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Solids, Total Suspended TSS @ 105 C	28	mg/L		10		A2540 D	06/20/25 14:42 / pjw
Solids, Total Dissolved TDS @ 180 C	3950	mg/L		100		A2540 C	06/20/25 14:35 / etv
INORGANICS							
Alkalinity, Total as CaCO ₃	878	mg/L		4		A2320 B	06/20/25 16:58 / spb
Bicarbonate as CaCO ₃	878	mg/L		3		A2320 B	06/20/25 16:58 / spb
Carbonate as CaCO ₃	ND	mg/L		7		A2320 B	06/20/25 16:58 / spb
Chloride	65	mg/L		5		E300.0	06/21/25 23:49 / caa
Sulfate	2110	mg/L		20		E300.0	06/21/25 23:49 / caa
Fluoride	1.4	mg/L		0.2		E300.0	06/21/25 23:49 / caa
Hydroxide as CaCO ₃	ND	mg/L		10		A2320 B	06/20/25 16:58 / spb
Cyanide, Weak Acid Dissociable	ND	mg/L		0.005		Kelada-01	06/23/25 11:51 / fap
Oxygen, Dissolved	4.3	mg/L	H	0.1		A4500-O G	06/20/25 13:51 / mbs
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.01	mg/L		0.01		E353.2	06/27/25 14:05 / rs4
Phosphorus, Orthophosphate as P	0.012	mg/L		0.002		E365.1	06/20/25 17:24 / taz
Phosphorus, Total as P	0.118	mg/L		0.002		E365.1	06/25/25 12:48 / taz
METALS, DISSOLVED							
Aluminum	0.002	mg/L	J	0.03		E200.8	06/24/25 02:00 / aem
Antimony	ND	mg/L		0.001		E200.8	06/27/25 00:25 / aem
Arsenic	0.024	mg/L		0.001		E200.8	06/24/25 02:00 / aem
Boron	0.34	mg/L		0.05		E200.7	06/23/25 17:12 / enb
Calcium	358	mg/L		1		E200.7	06/23/25 17:12 / enb
Chromium	ND	mg/L		0.005		E200.8	06/24/25 02:00 / aem
Copper	ND	mg/L		0.005		E200.8	06/24/25 02:00 / aem
Iron	8.98	mg/L		0.02		E200.8	06/24/25 02:00 / aem
Lead	ND	mg/L		0.001		E200.8	06/24/25 02:00 / aem
Magnesium	308	mg/L		1		E200.7	06/23/25 17:12 / enb
Manganese	0.593	mg/L		0.001		E200.8	06/24/25 02:00 / aem
Mercury	ND	mg/L		0.0001		E245.1	06/24/25 15:16 / mjb
Molybdenum	1.25	mg/L		0.001		E200.8	06/24/25 02:00 / aem
Potassium	33	mg/L		2		E200.7	06/23/25 17:12 / enb
Silver	ND	mg/L		0.001		E200.8	06/25/25 18:49 / aem
Sodium	379	mg/L		1		E200.7	06/23/25 17:12 / enb
Thallium	ND	mg/L		0.0005		E200.8	06/24/25 02:00 / aem
Uranium	23.8	mg/L		0.5		E200.7	06/23/25 17:12 / enb
Zinc	ND	mg/L		0.01		E200.8	06/24/25 02:00 / aem
METALS, TOTAL							
Aluminum	0.006	mg/L	J	0.03		E200.8	06/26/25 23:37 / aem
Antimony	ND	mg/L		0.001		E200.8	06/26/25 23:37 / aem
Arsenic	0.029	mg/L		0.001		E200.8	06/26/25 23:37 / aem

**Report
Definitions:**

RL - Analyte Reporting Limit
QCL - Quality Control Limit
H - Analysis performed past the method holding time

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)
J - Estimated value - analyte was present but less than the Reporting Limit (RL)

PRELIMINARY



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Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Boron	0.35	mg/L		0.05		E200.7	06/25/25 18:20 / enb
Chromium	ND	mg/L		0.005		E200.8	06/27/25 17:39 / jks
Copper	0.001	mg/L	J	0.005		E200.8	06/26/25 23:37 / aem
Iron	10.3	mg/L		0.02		E200.8	06/26/25 23:37 / aem
Lead	ND	mg/L		0.001		E200.8	06/26/25 23:37 / aem
Manganese	0.560	mg/L		0.001		E200.8	06/26/25 23:37 / aem
Mercury	ND	mg/L		0.0001		E245.1	06/24/25 15:18 / mjb
Molybdenum	1.24	mg/L		0.001		E200.8	06/26/25 23:37 / aem
Silver	0.00001	mg/L	J	0.001		E200.8	06/26/25 23:37 / aem
Thallium	ND	mg/L		0.0005		E200.8	06/27/25 17:39 / jks
Zinc	0.003	mg/L	J	0.01		E200.8	06/26/25 23:37 / aem

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