



Overburden Drilling Management Limited
Unit 107, 15 Capella Court
Nepean, Ontario, Canada, K2E 7X1
Tel: (613) 226-1771 Fax: (613) 226-8753
odm@storm.ca www.odm.ca

Laboratory Data Report

Client Information

Alberta Geological Survey
4999 - 98 Avenue
Suite 402
Edmonton, AB
T6B 2X3

dean.meek@aer.ca

Attention: Dean Meek

christopher.swoboda@aer.ca

Christopher Swoboda

gloria.lopez@aer.ca

Gloria Lopez

calla.knudson@aer.ca

Calla Knudson

Data-File Information

Date: January 27, 2023

Project name:

ODM batch number:

2820

Sample numbers:

AER22TS-1001, AER22TS-1003, AER22TS-1011, AER22TS-1015,
AER22TS-1017, AER22TS-1019, AER22TS-1021, AER22TS-1073,
AER22TS-2003, AER22TS-2022, AER22TS-3054, AER22TS-5002,
AERCL227034, AERCL227060, AERCL227075, AERSR221083,
AERSR221084, AERSR221085, AERSR221087, AERSR221088,
AERSR221089, AERSR221091, AERSR221094, AERSR221095,
AERSR221099, AERSR221100, AERSR221103, AERSR221105,
AERSR221107, AERSR221109

Data file:

20232820 - AER - Alberta Geological Survey - (KIM, MMISM) - Jan 2023

Number of samples in this report: 30

Number of samples processed to date: 30

Total number of samples in project: 299

Preliminary data:

☐

Final data:

☒

Revised data:

☐

Samples Processed For:

Gold, KIM, MMSIM, Apatite

Processing Specifications:

1. Submitted by client: Till and sand/gravel samples mostly prescreened to -2.0 mm in the field.
2. One ± 300 g archival split taken from each sample.
3. All samples panned for gold, PGMs and fine-grained metallic indicator minerals.
4. +0.25 mm table concentrates refined by heavy liquid separation at S.G. 3.0 and 3.2 to obtain mid-density and heavy mineral concentrates (MDCs and HMCs).
5. Nonferromagnetic mineral fractions of 0.25-2.0 mm MDCs and HMCs picked for apatite and indicator minerals.
6. 1.0-2.0 mm, 0.5-1.0 mm and nonparamagnetic (>1.0 amp) 0.25-0.5 mm HMC fractions examined for scheelite by UV lamping.

Notes

Mike Crawford
Laboratory Manager

Primary Sample Processing Weights and Descriptions

Client: Alberta Geological Survey

File Name: 20232820 - AER - Alberta Geological Survey - (KIM, MMISM) - Jan 2023

Total Number of Samples in this Report: 30

ODM Batch Number(s): 2820

Sample Number	Weight (kg wet)					Screening and Shaking Table Sample Descriptions													Class
						Clasts (+2.0 mm)					Matrix (-2.0 mm)					Colour			
											Percentage								
	Bulk Rec'd	Archived Split	Table Split	+2.0 mm Clasts	-2.0 mm Table Feed	Size	V/S	GR	LS	OT*	S/U	SD	ST	CY	ORG	SD	CY		
AER22TS-1001	13.0	0.3	12.7	4.7	8.0	P	90	0	10	0	U	Y	Y	Y	N	DOC	DOC	TILL	
AER22TS-1003	11.6	0.3	11.3	2.8	8.5	P	20	0	80	0	U	Y	Y	Y	N	DOC	DOC	TILL	
AER22TS-1011	9.7	0.3	9.4	0.3	9.1	P	85	10	0	5	U	-	Y	+	N	LOC	BE	TILL	
AER22TS-1015	10.2	0.3	9.9	0.2	9.7	P	0	0	100	TR	U	-	Y	+	N	BE	BE	TILL	
AER22TS-1017	10.4	0.3	10.1	0.3	9.8	P	80	15	5	TR	U	-	Y	+	N	LOC	BE	TILL	
AER22TS-1019	10.4	0.3	10.1	0.9	9.2	P	65	15	20	TR	U	-	Y	+	N	DOC	DOC	TILL	
AER22TS-1021	9.8	0.3	9.5	1.4	8.1	P	65	20	15	TR	U	-	Y	+	N	DOC	LOC	TILL	
AER22TS-1073	9.5	0.3	9.2	0.5	8.7	P	80	TR	20	TR	U	-	Y	+	N	LOC	LOC	TILL	
AER22TS-2003	9.3	0.3	9.0	0.0	9.0		No Clasts				U	-	+	+	N	LOC	LOC	TILL	
AER22TS-2022	12.9	0.3	12.6	0.1	12.6	P	100	TR	0	0	U	-	+	+	N	LOC	LOC	TILL	
AER22TS-3054	10.8	0.3	10.5	0.3	10.2	P	90	10	0	TR	U	-	Y	+	N	LOC	LOC	TILL	
AER22TS-5002	16.3	0.3	16.0	0.8	15.2	P	70	15	10	5	U	-	Y	+	N	LOC	LOC	TILL	
AERCL227034	11.6	0.3	11.3	0.0	11.3		No Clasts				S	FM	N	N	N	LOC	NA	SAND + GRAVEL	
AERCL227060	9.9	0.3	9.6	0.0	9.6		No Clasts				S	FM	N	N	N	LOC	NA	SAND + GRAVEL	
AERCL227075	11.0	0.3	10.7	0.0	10.7		No Clasts				S	FM	N	N	N	LOC	NA	SAND + GRAVEL	
AERSR221083	11.0	0.3	10.7	0.0	10.7		No Clasts				S	FM	-	N	N	GY	NA	SAND + GRAVEL	
AERSR221084	9.7	0.3	9.4	0.0	9.4		No Clasts				S	FM	-	-	N	GY	DOC	SAND + GRAVEL	
AERSR221085	11.2	0.3	10.9	0.0	10.9		No Clasts				S	FM	-	-	N	GY	DOC	SAND + GRAVEL	
AERSR221087	9.4	0.3	9.1	0.1	9.0	P	100	0	0	0	S	FM	-	-	N	GY	DOC	SAND + GRAVEL	
AERSR221088	9.5	0.3	9.2	0.0	9.2		No Clasts				S	FM	-	-	N	GY	DOC	SAND + GRAVEL	
AERSR221089	11.4	0.3	11.1	0.0	11.1		No Clasts				S	FM	-	N	N	BK	NA	SAND + GRAVEL	
AERSR221091	10.6	0.3	10.3	0.0	10.3		No Clasts				S	FM	-	N	N	BK	NA	SAND + GRAVEL	
AERSR221094	11.0	0.3	10.7	0.0	10.7		No Clasts				S	FM	-	N	N	BK	NA	SAND + GRAVEL	
AERSR221095	10.1	0.3	9.8	0.0	9.8		No Clasts				S	FM	-	N	N	GB	NA	SAND + GRAVEL	
AERSR221099	11.2	0.3	10.9	0.0	10.9		No Clasts				S	FM	-	N	N	BN	NA	SAND + GRAVEL	
AERSR221100	11.4	0.3	11.1	0.0	11.1		No Clasts				S	FM	-	N	N	BK	NA	SAND + GRAVEL	
AERSR221103	10.4	0.3	10.1	0.0	10.1		No Clasts				S	FM	-	N	N	BN	NA	SAND + GRAVEL	
AERSR221105	11.8	0.3	11.5	0.0	11.5		No Clasts				S	MC	-	N	N	BN	NA	SAND + GRAVEL	
AERSR221107	10.6	0.3	10.3	0.0	10.3		No Clasts				S	MC	-	N	N	GY	NA	SAND + GRAVEL	
AERSR221109	11.8	0.3	11.5	0.0	11.5		No Clasts				S	FM	-	N	N	BN	NA	SAND + GRAVEL	

*Clasts listed as OT are Quartz.

*Clasts listed as OT are Quartz.

Gold Grain Summary

Client: Alberta Geological Survey

File Name: 20232820 - AER - Alberta Geological Survey - (KIM, MMISM) - Jan 2023

Total Number of Samples in this Report: 30

ODM Batch Number(s): 2820

Sample Number	Number of Visible Gold Grains				Nonmag HMC Weight*	Calculated PPB Visible Gold in HMC			
	Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
AER22TS-1001	1	0	1	0	32.0	2	0	2	0
AER22TS-1003	1	0	1	0	34.0	2	0	2	0
AER22TS-1011	0	0	0	0	36.4	0	0	0	0
AER22TS-1015	0	0	0	0	38.8	0	0	0	0
AER22TS-1017	3	2	1	0	39.2	6	4	2	0
AER22TS-1019	2	2	0	0	36.8	3	3	0	0
AER22TS-1021	0	0	0	0	32.4	0	0	0	0
AER22TS-1073	0	0	0	0	34.8	0	0	0	0
AER22TS-2003	0	0	0	0	36.0	0	0	0	0
AER22TS-2022	2	1	0	1	50.4	1	<1	0	1
AER22TS-3054	0	0	0	0	40.8	0	0	0	0
AER22TS-5002	1	1	0	0	60.8	25	25	0	0
AERCL227034	0	0	0	0	45.2	0	0	0	0
AERCL227060	2	2	0	0	38.4	80	80	0	0
AERCL227075	0	0	0	0	42.8	0	0	0	0
AERSR221083	2	1	0	1	42.8	1	1	0	1
AERSR221084	1	0	1	0	37.6	1	0	1	0
AERSR221085	1	0	1	0	43.6	4	0	4	0
AERSR221087	0	0	0	0	36.0	0	0	0	0
AERSR221088	1	0	1	0	36.8	1	0	1	0
AERSR221089	0	0	0	0	44.4	0	0	0	0
AERSR221091	0	0	0	0	41.2	0	0	0	0
AERSR221094	0	0	0	0	42.8	0	0	0	0
AERSR221095	0	0	0	0	39.2	0	0	0	0
AERSR221099	1	1	0	0	43.6	142	142	0	0
AERSR221100	0	0	0	0	44.4	0	0	0	0
AERSR221103	0	0	0	0	40.4	0	0	0	0
AERSR221105	0	0	0	0	46.0	0	0	0	0
AERSR221107	0	0	0	0	41.2	0	0	0	0
AERSR221109	2	2	0	0	46.0	43	43	0	0

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 0.4% of the table feed.

Detailed Gold Grain Data

Client: Alberta Geological Survey

File Name: 20232820 - AER - Alberta Geological Survey - (KIM, MMISM) - Jan 2023

Total Number of Samples in this Report: 30

ODM Batch Number(s): 2820

Sample Number	Dimensions (µm)			Number of Visible Gold Grains				Nonmag HMC Weight* (g)	Calculated V.G. Assay in HMC (ppb)	Metallic Minerals in Pan Concentrate
	Thickness	Width	Length	Reshaped	Modified	Pristine	Total			
AER22TS-1001	8	C	25	50		1	1 1	2 32.0	2 2	Tr (~50 grains) marcasite (25 µm).
AER22TS-1003	8	C	25	50		1	1 1	2 34.0	2 2	Tr (~50 grains) marcasite (25 µm).
AER22TS-1011	No Visible Gold									No sulphides.
AER22TS-1015	No Visible Gold									No sulphides.
AER22TS-1017	8	C	25	50	2	1	3 3	6 39.2	6 6	No sulphides.
AER22TS-1019	5	C	25	25	1		1		1	No sulphides.
	8	C	25	50	1		1 2		2 36.8	
AER22TS-1021	No Visible Gold									No sulphides.
AER22TS-1073	No Visible Gold									No sulphides.
AER22TS-2003	No Visible Gold									No sulphides.
AER22TS-2022	5	C	25	25	1		1		<1	No sulphides.
	8	C	25	50		1	1 2		1 50.4	
AER22TS-3054	No Visible Gold									No sulphides.
AER22TS-5002	20	C	100	100	1		1 1	25 60.8	25 25	No sulphides.
AERCL227034	No Visible Gold									Tr (~100 grains) marcasite (25 µm).
AERCL227060	18	C	75	100	1		1		26	No sulphides.
	22	C	100	125	1		1 2		55 80	
AERCL227075	No Visible Gold									No sulphides.
AERSR221083	5	C	25	25	1		2 2	1 42.8	1 1	Tr (~200 grains) marcasite (25-50 µm).
AERSR221084	5	C	25	25		1	1 1	1 37.6	1 1	Tr (~200 grains) marcasite (25-50 µm).
AERSR221085	10	C	50	50		1	1 1	4 43.6	4 4	Tr (~200 grains) marcasite (25-50 µm).
AERSR221087	No Visible Gold									Tr (~100 grains) marcasite (25-50 µm).

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 0.4% of the table feed.

Detailed Gold Grain Data

Client: Alberta Geological Survey

File Name: 20232820 - AER - Alberta Geological Survey - (KIM, MMISM) - Jan 2023

Total Number of Samples in this Report: 30

ODM Batch Number(s): 2820

Sample Number	Dimensions (µm)			Number of Visible Gold Grains				Nonmag HMC Weight* (g)	Calculated V.G. Assay in HMC (ppb)	Metallic Minerals in Pan Concentrate
	Thickness	Width	Length	Reshaped	Modified	Pristine	Total			
AERSR221088	5	C	25	25		1	1	1	1	Tr (~100 grains) marcasite (25-50 µm).
							1	36.8	1	
AERSR221089	No Visible Gold									Tr (~500 grains) marcasite (25-75 µm).
AERSR221091	No Visible Gold									Tr (~200 grains) marcasite (25-75 µm).
AERSR221094	No Visible Gold									Tr (~200 grains) marcasite (25-75 µm).
AERSR221095	No Visible Gold									Tr (~500 grains) marcasite (25-75 µm).
AERSR221099	31	C	175	150		1	1	142	142	Tr (~500 grains) marcasite (25-75 µm).
							1	43.6	142	
AERSR221100	No Visible Gold									Tr (~500 grains) marcasite (25-75 µm).
AERSR221103	No Visible Gold									Tr (~500 grains) marcasite (25-75 µm).
AERSR221105	No Visible Gold									Tr (~300 grains) marcasite (25-75 µm).
AERSR221107	No Visible Gold									Tr (~3000 grains) marcasite (25-150 µm).
AERSR221109	15	C	50	100		1	1	12	12	Tr (~200 grains) marcasite (25-150 µm).
	20	C	75	125		1	1	31	31	
							2	46.0	43	

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 0.4% of the table feed.

Heavy Mineral Concentrate Processing Weights

Client: Alberta Geological Survey

File Name: 20232820 - AER - Alberta Geological Survey - (KIM, MMISM) - Jan 2023

Total Number of Samples in this Report: 30

ODM Batch Number(s): 2820

Sample Number	Weight of -2.0 mm Table Concentrate (g)														
	Total	-0.25 mm	0.25-2.0 mm Heavy Liquid Separation at S.G. 3.0 and 3.2												
			Total	Lights S.G. <3.0	Total S.G. >3.0 HMC	-0.25 mm (wash)	Mag HMC	S.G. 3.0 to 3.2 Total	Nonferromagnetic Fractions						
									Total	S.G. >3.2					
										Processed Split					
										Total		0.25 to 0.5	0.5 to 1.0 mm	1.0 to 2.0 mm	
%	Weight														
AER22TS-1001	694.0	520.3	173.7	171.9	1.8	0.4	<0.01	0.4	1.0	100.0	1.0	0.8	0.2	<0.01	
AER22TS-1003	848.7	618.9	229.8	228.7	1.1	0.3	<0.01	0.2	0.6	100.0	0.6	0.4	0.2	0.03	
AER22TS-1011	889.5	746.7	142.8	139.8	3.0	0.4	0.04	1.2	1.4	100.0	1.4	0.9	0.3	0.2	
AER22TS-1015	609.2	497.8	111.4	111.3	0.1	0.1	<0.01	0.02	<0.01	100.0	<0.01	<0.01	0.0	0.0	
AER22TS-1017	711.8	545.2	166.6	160.8	5.8	0.7	0.1	2.3	2.7	100.0	2.7	1.8	0.7	0.2	
AER22TS-1019	662.7	512.8	149.9	147.4	2.5	0.7	<0.01	0.6	1.2	100.0	1.2	0.8	0.3	0.1	
AER22TS-1021	722.8	522.1	200.7	194.9	5.8	0.5	0.2	0.8	4.3	100.0	4.3	2.6	1.5	0.2	
AER22TS-1073	710.8	523.2	187.6	186.3	1.3	0.1	<0.01	0.5	0.7	100.0	0.7	0.4	0.2	0.1	
AER22TS-2003	445.2	189.6	255.6	255.1	0.5	0.2	0.02	0.2	0.1	100.0	0.1	0.1	0.03	<0.01	
AER22TS-2022	940.6	755.5	185.1	183.9	1.2	0.2	0.02	0.4	0.6	100.0	0.6	0.5	0.1	<0.01	
AER22TS-3054	819.0	630.9	188.1	185.6	2.5	0.5	0.1	0.9	1.0	100.0	1.0	0.6	0.3	0.1	
AER22TS-5002	901.0	599.4	301.6	288.6	13.0	1.5	0.3	4.8	6.4	100.0	6.4	3.6	2.0	0.8	
AERCL227034	2059.1	1877.9	181.2	179.4	1.8	0.2	<0.01	0.9	0.7	100.0	0.7	0.7	0.01	0.0	
AERCL227060	1106.6	583.6	523.0	501.9	21.1	1.5	0.5	2.2	16.9	100.0	16.9	14.5	2.2	0.2	
AERCL227075	1660.5	1488.6	171.9	160.7	11.2	0.8	0.08	1.4	8.9	100.0	8.9	8.3	0.6	0.02	
AERSR221083	1635.1	1163.3	471.8	459.4	12.4	1.7	0.1	3.5	7.1	100.0	7.1	2.2	2.8	2.1	
AERSR221084	633.3	345.0	288.3	282.0	6.3	1.3	0.02	1.2	3.8	100.0	3.8	1.2	1.7	0.9	
AERSR221085	588.6	429.0	159.6	148.6	11.0	2.5	0.01	3.1	5.4	100.0	5.4	3.2	1.6	0.6	
AERSR221087	809.7	431.1	378.6	188.3	190.3	7.6	4.6	9.4	168.7	11.9	20.0	6.0	11.5	2.5	
AERSR221088	677.8	468.9	208.9	196.7	12.2	1.8	1.5	2.7	6.2	100.0	6.2	2.5	2.7	1.0	
AERSR221089	1098.7	454.6	644.1	604.0	40.1	2.9	0.5	10.1	26.6	75.2	20.0	3.9	12.2	3.9	
AERSR221091	1033.5	527.2	506.3	479.4	26.9	3.1	0.3	4.8	18.7	100.0	18.7	4.3	8.8	5.6	
AERSR221094	1138.6	474.1	664.5	636.7	27.8	2.2	0.6	6.1	18.9	100.0	18.9	4.1	9.7	5.1	
AERSR221095	1030.4	344.5	685.9	677.5	8.4	1.4	0.1	2.0	4.9	100.0	4.9	1.8	2.4	0.7	
AERSR221099	837.0	332.9	504.1	449.5	54.6	3.7	0.6	11.0	39.3	50.9	20.0	4.3	8.0	7.7	
AERSR221100	870.7	565.8	304.9	260.6	44.3	4.0	0.2	13.3	26.8	74.6	20.0	4.1	8.8	7.1	
AERSR221103	1350.1	523.5	826.6	815.2	11.4	1.9	0.04	3.0	6.5	100.0	6.5	1.8	2.5	2.2	
AERSR221105	1901.7	774.0	1127.7	1076.9	50.8	3.7	0.3	13.4	33.4	59.9	20.0	5.4	7.5	7.1	
AERSR221107	837.5	541.3	296.2	288.1	8.1	1.3	0.1	2.7	4.0	100.0	4.0	1.0	1.7	1.3	
AERSR221109	815.3	344.9	470.4	422.5	47.9	4.9	0.6	10.1	32.3	61.9	20.0	7.2	10.3	2.5	

0.25-0.5 mm Paramagnetic/Non-Paramagnetic Fraction Weights

Client: Alberta Geological Survey

File Name: 20232820 - AER - Alberta Geological Survey - (KIM, MMISM) - Jan 2023

Total Number of Samples in this Report: 30

ODM Batch Number(s): 2820

Sample Number	Weight of 0.25-0.5 mm S.G. >3.2 Nonferromagnetic Heavy Mineral Fractions (g)					
	Total	Paramagnetic			Nonparamagnetic	
		Strongly (<0.6 amp)	Moderately (0.6-0.8 amp)	Weakly (0.8-1.0 amp)	>1.0 amp	>1.0 amp Lights*
AER22TS-1001	0.83	<0.01	0.09	0.74	<0.01	NA
AER22TS-1003	0.39	0.01	0.12	0.26	<0.01	NA
AER22TS-1011	0.88	0.11	0.29	0.34	0.13	0.01
AER22TS-1015	<0.01	Undersized concentrate therefore not electromagnetically separated.				
AER22TS-1017	1.80	0.08	1.20	0.37	0.13	0.02
AER22TS-1019	0.76	0.01	0.07	0.67	0.01	NA
AER22TS-1021	2.56	0.16	1.61	0.71	0.07	0.01
AER22TS-1073	0.37	<0.01	0.11	0.25	0.01	NA
AER22TS-2003	0.10		0.09		0.01	NA
AER22TS-2022	0.47	0.09	0.31	0.05	0.02	NA
AER22TS-3054	0.61	0.08	0.38	0.12	0.03	NA
AER22TS-5002	3.64	0.15	1.31	1.93	0.24	0.01
AERCL227034	0.71	0.09	0.42	0.13	0.07	<0.01
AERCL227060	14.52	5.23	6.90	1.74	0.61	0.04
AERCL227075	8.31	0.96	5.99	0.99	0.35	0.02
AERSR221083	2.19	0.02	0.12	1.90	0.15	<0.01
AERSR221084	1.22	0.01	0.31	0.62	0.27	0.01
AERSR221085	3.22	0.05	0.26	2.26	0.64	0.01
AERSR221087	5.98	0.75	4.44	0.75	0.04	NA
AERSR221088	2.47	0.11	0.72	1.51	0.12	0.01
AERSR221089	3.87	0.18	0.53	2.94	0.21	0.01
AERSR221091	4.33	0.06	1.15	2.70	0.40	0.02
AERSR221094	4.09	0.06	0.81	2.47	0.74	0.01
AERSR221095	1.77	0.03	0.22	1.35	0.16	0.01
AERSR221099	4.33	0.03	0.97	3.06	0.27	<0.01
AERSR221100	4.06	0.08	1.13	2.45	0.39	0.01
AERSR221103	1.80	0.02	0.10	1.12	0.55	0.01
AERSR221105	5.42	0.09	2.14	3.02	0.16	0.01
AERSR221107	1.01	<0.01	0.26	0.69	0.06	<0.01
AERSR221109	7.16	0.16	4.17	2.39	0.44	<0.01

*SG <3.20 heavy liquid separation clean-up of >1.0 amp fraction.

Metamorphosed/Magmatic Massive Sulphide Indicator Mineral (MMSIM) Counts

Client: Alberta Geological Survey
File Name: 20232820 - AER - Alberta Geological Survey - (KIM, MMISM) - Jan 2023
Total Number of Samples in this Report: 30
ODM Batch Number(s): 2820

Sample Number	Gold Grains	0.25 to 0.5 mm Nonferromagnetic Heavy Mineral Fraction																			Remarks	Picked Grains		
		Sulphide/Arsenide + Related Minerals				Mg/Mn/Al/Cr Minerals																		
		>1.0 amp			<1.0	>1.0 amp								<1.0 amp						>1.0 amp				
		% Cpy	Misc. Prime MMSIMs	% Pyrite	% Goethite	# Grains + Colour Spinel	Misc. Prime MMSIMs*	% Red Rutile	% Ky	% Sil	% Tm	% St	% Sps	Olivine		% Opx	% Cr*	Phosphates		% REE Bearing Minerals				
													% Fo*	% Fay			% Ap	% Mz						
AER22TS-1001	0	0	15 barite (3 gr)	0	70 (~6000 gr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Goethite-hematite/titanite-epidote-barite assemblage.	0.25-0.5 mm fraction: 3 barite		
AER22TS-1003	0	0	25 barite (5 gr)	0	70 (~2500 gr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Goethite-black andradite/titanite-barite-leucoxene assemblage. SEM checks from 0.25-0.5 mm fraction: 10 black andradite (major paramagnetic assemblage mineral) candidate = 10 andradite.	0.25-0.5 mm fraction: 5 barite 10 representative andradite		
AER22TS-1011	0	0	95 barite (~1200 gr)	Tr (2 gr)	70 (~5000 gr)	0	Tr low-Cr diopside (2 gr)	0	4 (~50 gr)	0	0	0	0	0	0	0	0	0	0	0	Goethite-almandine/barite assemblage. 0.5-1.0 mm fraction contains 5% (~20 grains) barite.	1.0-2.0 mm fraction: 3 barite 0.5-1.0 mm fraction: 10 representative barite 0.25-0.5 mm fraction: 10 representative barite 2 low-Cr diopside		
AER22TS-1015	0	0	20 barite (~1200)	0	75 (~150 gr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Undersized concentrate therefore not electromagnetically separated and mineral assemblage not listed. Main minerals are goethite and barite.	0.25-2.0 mm fraction: 10 representative barite		
AER22TS-1017	0	0	30 barite (~500 gr)	Tr (1 gr)	15 (~2500 gr)	1 grey	0	Tr (3 gr)	2 (~30 gr)	0	0	0	0	0	0	0	0	1 (20 gr)	0	0	Almandine-hornblende-goethite/diopside-barite assemblage. SEM checks from 0.25-0.5 mm fraction: 5 diopside (major nonparamagnetic assemblage mineral) versus titanite candidates = 5 diopside. 0.5-1.0 mm fraction contains 4% (~30 grains) barite.	0.5-1.0 mm fraction: 10 representative barite 0.25-0.5 mm fraction: 10 representative barite 1 spinel 3 red rutile 20 apatite 5 diopside		
AER22TS-1019	0	0	70 barite (~40 gr)	0	80 (~6000 gr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Goethite-hematite/barite-titanite assemblage.	0.5-1.0 mm fraction: 5 barite 0.25-0.5 mm fraction: 10 representative barite		

*Low-Cr diopside, forsteritic olivine and chromite are referenced on KIM data.

Metamorphosed/Magmatic Massive Sulphide Indicator Mineral (MMSIM) Counts

Client: Alberta Geological Survey
File Name: 20232820 - AER - Alberta Geological Survey - (KIM, MMISM) - Jan 2023
Total Number of Samples in this Report: 30
ODM Batch Number(s): 2820

Sample Number	Gold Grains	0.25 to 0.5 mm Nonferromagnetic Heavy Mineral Fraction																			Remarks	Picked Grains			
		Sulphide/Arsenide + Related Minerals				Mg/Mn/Al/Cr Minerals																			
		>1.0 amp			<1.0	>1.0 amp								<1.0 amp									>1.0 amp		
		% Cpy	Misc. Prime MMSIMs	% Pyrite	% Goethite	# Grains + Colour Spinel	Misc. Prime MMSIMs*	% Red Rutile	% Ky	% Sil	% Tm	% St	% Sps	Olivine		% Opx	% Cr*	Phosphates		% REE Bearing Minerals					
													% Fo*	% Fay			% Ap	% Mz							
AER22TS-1021	0	0	30 barite (~200 gr)	30 (~200 gr)	20 (~4500 gr)	0	0	0	0	Tr (1 gr)	0	0	0	0	0	0	0	Tr (25 gr)	0	0	Black andradite-goethite/titanite-marcasite-barite assemblage. SEM checks from 0.25-0.5 mm fraction: 1 topaz versus zoisite candidate = 1 zoisite.	0.5-1.0 mm fraction: 3 barite 0.25-0.5 mm fraction: 10 representative barite 1 zoisite resembling topaz 20 representative apatite			
AER22TS-1073	0	0	8 barite (4 gr)	0	70 (~2500 gr)	0	0	0	4 (2 gr)	0	0	0	0	0	0	0	0	0	0	0	Goethite-hematite/diopside-leucoxene-titanite assemblage.	0.25-0.5 mm fraction: 4 barite			
AER22TS-2003	0	0	20 barite (~20 gr)	0	25 (~200 gr)	0	0	0	15 (~15 gr)	0	0	0	0	0	0	0	0	0	0	0	Almandine-goethite-augite-hornblende/diopside-barite-kyanite assemblage.	0.25-0.5 mm fraction: 10 representative barite			
AER22TS-2022	0	0	3 barite (6 gr)	0	2 (~100 gr)	0	0	2 (4 gr)	30 (~60 gr)	3 (6 gr)	0	0	0	0	0	0	0	2 (4 gr)	0	0.5 florencite (1 gr)	Almandine-augite-hornblende/diopside-kyanite assemblage.	0.25-0.5 mm fraction: 6 barite 4 red rutile 4 apatite 1 florencite			

*Low-Cr diopside, forsteritic olivine and chromite are referenced on KIM data.

Metamorphosed/Magmatic Massive Sulphide Indicator Mineral (MMSIM) Counts

Client: Alberta Geological Survey
File Name: 20232820 - AER - Alberta Geological Survey - (KIM, MMISM) - Jan 2023
Total Number of Samples in this Report: 30
ODM Batch Number(s): 2820

Sample Number	Gold Grains	0.25 to 0.5 mm Nonferromagnetic Heavy Mineral Fraction																			Remarks	Picked Grains			
		Sulphide/Arsenide + Related Minerals				Mg/Mn/Al/Cr Minerals																			
		>1.0 amp			<1.0	>1.0 amp								<1.0 amp									>1.0 amp		
		% Cpy	Misc. Prime MMSIMs	% Pyrite	% Goethite	# Grains + Colour Spinel	Misc. Prime MMSIMs*	% Red Rutile	% Ky	% Sil	% Tm	% St	% Sps	Olivine		% Opx	% Cr*	Phosphates		% REE Bearing Minerals					
% Fo*	% Fay													% Ap	% Mz										
AER22TS-3054	0	0	0.1 barite (4 gr)	0	25 (~1500 gr)	4 grey, purple	Tr low-Cr diopside (1 gr)	Tr (1 gr)	30 (~100 gr)	0	0	0	0	0	0	0	0	0	0	0	0	Almandine-goethite-hornblende/diopside-kyanite-leucoxene assemblage.	0.25-0.5 mm fraction: 4 barite 4 spinel 1 low-Cr diopside 1 red rutile		
AER22TS-5002	0	0	10 barite (~250 gr)	20 (~500 gr)	60 (~20,000 gr)	0	Tr low-Cr diopside (3 gr)	Tr (4 gr)	15 (~400 gr)	0.5 (15 gr)	0	5 (~120 gr)	0	0	0	0	0	Tr (6 gr)	0	0	Goethite-Almandine/epidote-marcasite-kyanite assemblage. SEM checks from 0.25-0.5 mm fraction: 3 scheelite versus barite candidates = 3 barite. 0.5-1.0 mm fraction contains trace (~20 grains) barite.	1.0-2.0 mm fraction: 1 barite 0.5-1.0 mm fraction: 10 representative barite 0.25-0.5 mm fraction: 13 representative barite 3 low-Cr diopside 4 red rutile 6 apatite			
AERCL227034	0	0	0	5 (~40 gr)	Tr (~25 gr)	1 grey	Tr low-Cr diopside (1 gr)	0	80 (~600 gr)	0	0	0	0	0	0	0	0	1 (7 gr)	0	0	Hornblende-augite-almandine/kyanite assemblage. "Pyrite" is mostly marcasite.	0.25-0.5 mm fraction: 1 spinel 1 low-Cr diopside 7 apatite			

*Low-Cr diopside, forsteritic olivine and chromite are referenced on KIM data.

Metamorphosed/Magmatic Massive Sulphide Indicator Mineral (MMSIM) Counts

Client: Alberta Geological Survey
File Name: 20232820 - AER - Alberta Geological Survey - (KIM, MMISM) - Jan 2023
Total Number of Samples in this Report: 30
ODM Batch Number(s): 2820

Sample Number	Gold Grains	0.25 to 0.5 mm Nonferromagnetic Heavy Mineral Fraction																			Remarks	Picked Grains		
		Sulphide/Arsenide + Related Minerals				Mg/Mn/Al/Cr Minerals																		
		>1.0 amp			<1.0	>1.0 amp								<1.0 amp						>1.0 amp				
		% Cpy	Misc. Prime MMSIMs	% Pyrite	% Goethite	# Grains + Colour Spinel	Misc. Prime MMSIMs*	% Red Rutile	% Ky	% Sil	% Tm	% St	% Sps	Olivine		% Opx	% Cr*	Phosphates		% REE Bearing Minerals				
													% Fo*	% Fay			% Ap	% Mz						
AERCL227060	0	0	0	2 (~120 gr)	1 (~1200 gr)	1 blue-green gahnite; 1 purple spinel	Tr ruby corundum (1 gr)	0	70 (~4000 gr)	0	Tr (~20 gr)	0.5 (~30 gr)	0	0	0	0	0	0.5 (~30 gr)	1 (~60 gr)	Tr florencite (1 gr)	Almandine-hornblende-ilmenite/kyanite-diopside assemblage. SEM checks from 0.25-0.5 mm fraction: 1 blue-green gahnite versus spinel candidate = 1 gahnite; and 6 staurolite candidates = 2 staurolite and 4 monazite.	0.25-0.5 mm fraction: 1 gahnite 1 spinel 1 ruby corundum 10 representative tourmaline 2 staurolite 20 representative apatite 4 representative monazite 1 florencite		
AERCL227075	0	0	0	0.5 (~20 gr)	0	4 blue-green gahnite; 15 pink, blue-green, purple	0	0	30 (~1000 gr)	Tr (10 gr)	0.5 (~25 gr)	5 (~200 gr)	0	0	0	0	0	3 (~100 gr)	Tr (1 gr)	0.5 florencite (~20 gr)	Almandine-hornblende/diopside-kyanite assemblage. SEM checks from 0.25-0.5 mm fraction: 6 blue-green gahnite versus spinel candidates = 4 gahnite and 2 spinel; and 6 staurolite versus monazite candidates = 5 staurolite and 1 monazite.	0.25-0.5 mm fraction: 4 gahnite 15 spinel 10 representative tourmaline 5 staurolite 20 representative apatite 1 monazite 10 representative florencite		
AERSR221083	0	0	Tr sphalerite (1 gr); 30 barite (~500 gr)	25 (~400 gr)	25 (~5000 gr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Hematite-goethite/barite-epidote-marcasite assemblage. SEM check from 0.25-0.5 mm fraction: 1 sphalerite versus rutile candidate = 1 sphalerite. 0.5-1.0 mm fraction contains 0.5% (~20 grains) barite.	1.0-2.0 mm fraction: 1 barite 0.5-1.0 mm fraction: 10 representative barite 0.25-0.5 mm fraction: 1 sphalerite 10 representative barite		

*Low-Cr diopside, forsteritic olivine and chromite are referenced on KIM data.

Metamorphosed/Magmatic Massive Sulphide Indicator Mineral (MMSIM) Counts

Client: Alberta Geological Survey
File Name: 20232820 - AER - Alberta Geological Survey - (KIM, MMISM) - Jan 2023
Total Number of Samples in this Report: 30
ODM Batch Number(s): 2820

Sample Number	Gold Grains	0.25 to 0.5 mm Nonferromagnetic Heavy Mineral Fraction																			Remarks	Picked Grains	
		Sulphide/Arsenide + Related Minerals				Mg/Mn/Al/Cr Minerals																	
		>1.0 amp			<1.0	>1.0 amp								<1.0 amp					>1.0 amp				
		% Cpy	Misc. Prime MMSIMs	% Pyrite	% Goethite	# Grains + Colour Spinel	Misc. Prime MMSIMs*	% Red Rutile	% Ky	% Sil	% Tm	% St	% Sps	Olivine		% Opx	% Cr*	Phosphates		% REE Bearing Minerals			
													% Fo*	% Fay			% Ap	% Mz					
AERSR221084	0	0	Tr fluorite (1 gr); 30 barite (~800 gr)	70 (~2000 gr)	8 (~800 gr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Hematite-goethite/marcasite-barite assemblage.	1.0-2.0 mm fraction: 2 barite 0.5-1.0 mm fraction: 12 barite 0.25-0.5 mm fraction: 10 representative barite 1 fluorite	
AERSR221085	0	0	80 barite (~5000 gr)	20 (~1200 gr)	80 (~20,000 gr)	0	0	Tr (1 gr)	Tr (1 gr)	0	0	Tr (10 gr)	0	0	0	0	0	Tr (1 gr)	0	0	Goethite-siderite/barite-marcasite assemblage. 1.0-2.0 mm and 0.5-1.0 mm fractions contain 7% (~20 grains) and 15% (~200 grains) barite, respectively.	1.0-2.0 mm fraction: 10 representative barite 0.5-1.0 mm fraction: 10 representative barite 0.25-0.5 mm fraction: 10 representative barite 1 red rutile 1 apatite	
AERSR221087	0	0	5 barite (~20 gr)	2 (10 gr)	1 (~800 gr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Black andradite/titanite assemblage. SEM checks from 0.25-0.5 mm fraction: 9 titanite (major nonparamagnetic assemblage mineral) versus grossular candidate = 8 titanite and 1 grossular. "Pyrite" is mostly marcasite.	1.0-2.0 mm fraction: 1 barite 0.5-1.0 mm fraction: 4 barite 0.25-0.5 mm fraction: 10 representative barite 8 titanite 1 grossular	

*Low-Cr diopside, forsteritic olivine and chromite are referenced on KIM data.

Metamorphosed/Magmatic Massive Sulphide Indicator Mineral (MMSIM) Counts

Client: Alberta Geological Survey
File Name: 20232820 - AER - Alberta Geological Survey - (KIM, MMISM) - Jan 2023
Total Number of Samples in this Report: 30
ODM Batch Number(s): 2820

Sample Number	Gold Grains	0.25 to 0.5 mm Nonferromagnetic Heavy Mineral Fraction																		Remarks	Picked Grains	
		Sulphide/Arsenide + Related Minerals				Mg/Mn/Al/Cr Minerals																
		>1.0 amp			<1.0	>1.0 amp							<1.0 amp					>1.0 amp				
		% Cpy	Misc. Prime MMSIMs	% Pyrite	% Goethite	# Grains + Colour Spinel	Misc. Prime MMSIMs*	% Red Rutile	% Ky	% Sil	% Tm	% St	% Sps	Olivine		% Opx	% Cr*	Phosphates				% REE Bearing Minerals
													% Fo*	% Fay			% Ap	% Mz				
AERSR221088	0	0	80 barite (~300 gr)	Tr (10 gr)	30 (~8000 gr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Hematite-goethite-andradite/barite-titanite assemblage. 0.5-1.0 mm fraction contains trace (~15 grains) barite.	1.0-2.0 mm fraction: 3 barite 0.5-1.0 mm fraction: 10 representative barite 0.25-0.5 mm fraction: 10 representative barite
AERSR221089	0	0	40 barite (~800 gr)	50 (~1000 gr)	25 (~9000 gr)	0	0	0	0	0	0	0	0	0	0	0	0	0	1 (~20 gr)	0	Hematite-goethite/marcasite-barite assemblage. SEM checks from 0.25-0.5 mm fraction: 5 grossular versus monazite candidates = 5 titanite; and 2 scheelite versus barite candidates = 2 barite.	1.0-2.0 mm fraction: 4 barite 0.5-1.0 mm fraction: 10 representative barite 0.25-0.5 mm fraction: 12 representative barite 5 representative monazite
AERSR221091	0	0	30 barite (~1200 gr)	50 (~2000 gr)	60 (~25,000 gr)	0	0	0	0	0	0	0	0	0	0	0	0	0	2 (~80 gr)	0	Goethite-hematite/marcasite-barite-epidote assemblage. 0.5-1.0 mm fraction contains trace (~30 grains) barite.	1.0-2.0 mm fraction: 1 barite 0.5-1.0 mm fraction: 10 representative barite 0.25-0.5 mm fraction: 10 representative barite 5 representative monazite
AERSR221094	0	0	40 barite (~2000 gr)	50 (~2500 gr)	60 (~20,000 gr)	0	0	0	Tr (1 gr)	0	0	1 (~50 gr)	0	0	0	0	0	0	4 (~200 gr)	0	Goethite-hematite/marcasite-barite assemblage. 0.5-1.0 mm fraction contains 2% (~250 grains) barite.	1.0-2.0 mm fraction: 4 barite 0.5-1.0 mm fraction: 10 representative barite 0.25-0.5 mm fraction: 10 representative barite 10 representative monazite

*Low-Cr diopside, forsteritic olivine and chromite are referenced on KIM data.

Metamorphosed/Magmatic Massive Sulphide Indicator Mineral (MMSIM) Counts

Client: Alberta Geological Survey
File Name: 20232820 - AER - Alberta Geological Survey - (KIM, MMISM) - Jan 2023
Total Number of Samples in this Report: 30
ODM Batch Number(s): 2820

Sample Number	Gold Grains	0.25 to 0.5 mm Nonferromagnetic Heavy Mineral Fraction																			Remarks	Picked Grains
		Sulphide/Arsenide + Related Minerals				Mg/Mn/Al/Cr Minerals																
		>1.0 amp			<1.0	>1.0 amp								<1.0 amp				>1.0 amp				
		% Cpy	Misc. Prime MMSIMs	% Pyrite	% Goethite	# Grains + Colour Spinel	Misc. Prime MMSIMs*	% Red Rutile	% Ky	% Sil	% Tm	% St	% Sps	Olivine		% Opx	% Cr*	Phosphates		% REE Bearing Minerals		
													% Fo*	% Fay			% Ap	% Mz				
AERSR221095	0	0	0.1 sphalerite (1 gr); 60 barite (~600 gr)	30 (~300 gr)	40 (~6000 gr)	0	0	0	0	0	0	0	0	0	0	0	0	0	3 (~30 gr)	0	Hematite-goethite/barite-marcasite assemblage. SEM check from 0.25-0.5 mm fraction: 1 sphalerite candidate = 1 sphalerite. 0.5-1.0 mm fraction contains trace (~25 grains) barite.	0.5-1.0 mm fraction: 10 representative barite 0.25-0.5 mm fraction: 1 sphalerite 10 representative barite 5 representative monazite
AERSR221099	0	0	60 barite (~1500 gr)	25 (~600 gr)	70 (~30,000 gr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Goethite-hematite/barite-marcasite assemblage. 0.5-1.0 mm fraction contains trace (~20 grains) barite.	1.0-2.0 mm fraction: 5 barite 0.5-1.0 mm fraction: 10 representative barite 0.25-0.5 mm fraction: 10 representative barite
AERSR221100	0	0	20 barite (~500 gr)	70 (~2000 gr)	40 (~15,000 gr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Hematite-goethite/marcasite-barite assemblage.	0.5-1.0 mm fraction: 10 representative barite 0.25-0.5 mm fraction: 10 representative barite
AERSR221103	0	0	70 barite (~2500 gr)	30 (~1000 gr)	60 (~8000 gr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Goethite-siderite-almandine/barite-marcasite assemblage. 0.5-1.0 mm fraction contains trace (~20 grains) barite.	1.0-2.0 mm fraction: 4 barite 0.5-1.0 mm fraction: 10 representative barite 0.25-0.5 mm fraction: 10 representative barite

*Low-Cr diopside, forsteritic olivine and chromite are referenced on KIM data.

Metamorphosed/Magmatic Massive Sulphide Indicator Mineral (MMSIM) Counts

Client: Alberta Geological Survey
File Name: 20232820 - AER - Alberta Geological Survey - (KIM, MMISM) - Jan 2023
Total Number of Samples in this Report: 30
ODM Batch Number(s): 2820

Sample Number	Gold Grains	0.25 to 0.5 mm Nonferromagnetic Heavy Mineral Fraction																		Remarks	Picked Grains	
		Sulphide/Arsenide + Related Minerals				Mg/Mn/Al/Cr Minerals																
		>1.0 amp			<1.0	>1.0 amp								<1.0 amp				>1.0 amp				
		% Cpy	Misc. Prime MMSIMs	% Pyrite	% Goethite	# Grains + Colour Spinel	Misc. Prime MMSIMs*	% Red Rutile	% Ky	% Sil	% Tm	% St	% Sps	Olivine		% Opx	% Cr*	Phosphates				% REE Bearing Minerals
													% Fo*	% Fay			% Ap	% Mz				
AERSR221105	0	0	80 barite (~1200 gr); 0.5 fluorite (7 gr)	10 (~150 gr)	80 (~40,000 gr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Goethite-hematite/barite assemblage.	0.5-1.0 mm fraction: 14 barite 0.25-0.5 mm fraction: 10 representative barite 7 fluorite
AERSR221107	0	0	50 barite (~300 gr); Tr apatite (1 gr)	40 (~250 gr)	20 (~2000 gr)	0	0	0	0	0	0	0	0	0	0	0	0	Tr (4 gr)	0	0	Hematite-goethite/barite-marcasite assemblage.	0.5-1.0 mm fraction: 2 barite 0.25-0.5 mm fraction: 10 representative barite 1 fluorite 4 apatite
AERSR221109	0	0	80 barite (~3000 gr)	0.3 (12 gr)	25 (~15,000 gr)	0	0	Tr (1 gr)	0	0	0	0	0	0	0	0	0	Tr (1 gr)	1 (~40 gr)	0	Hematite-goethite/barite-titanite assemblage. 0.5-1.0 mm fraction contains 0.5% (~60 grains) barite.	0.5-1.0 mm fraction: 10 representative barite 0.25-0.5 mm fraction: 10 representative barite 1 red rutile 1 apatite 5 representative monazite

*Low-Cr diopside, forsteritic olivine and chromite are referenced on KIM data.

Client: Alberta Geological Survey
File Name: 20232820 - AER - Alberta Geological Survey - (KIM, MMISM) - Jan 2023
Total Number of Samples in this Report: 30
ODM Batch Number(s): 2820

T = Total number of grains in sample. Total is estimated if number is greater than number of picked grains.
P = Number of picked grains in sample.
* Low-Cr diopside, forsteritic olivine and chromite also referenced on MMSIMS data.

Kimberlite Indicator Mineral Remarks

Client: Alberta Geological Survey

File Name: 20232820 - AER - Alberta Geological Survey - (KIM, MMISM) - Jan 2023

Total Number of Samples in this Report: 30

ODM Batch Number(s): 2820

Sample Number	Remarks
AER22TS-1001	SEM checks from 0.5-1.0 mm fraction: 2 CR candidates = 2 black andradite. SEM checks from 0.25-0.5 mm fraction: 5 CR candidates = 5 black andradite.
AER22TS-1003	No KIM remarks.
AER22TS-1011	No KIM remarks.
AER22TS-1015	No KIM remarks.
AER22TS-1017	No KIM remarks.
AER22TS-1019	No KIM remarks.
AER22TS-1021	No KIM remarks.
AER22TS-1073	No KIM remarks.
AER22TS-2003	No KIM remarks.
AER22TS-2022	No KIM remarks.
AER22TS-3054	No KIM remarks.
AER22TS-5002	SEM checks form 0.25-0.5 mm fraction: 3 IM versus crustal ilmenite candidate = 1 IM; and 2 crustal ilmenite.
AERCL227034	No KIM remarks.
AERCL227060	No KIM remarks.
AERCL227075	No KIM remarks.
AERSR221083	No KIM remarks.
AERSR221084	No KIM remarks.
AERSR221085	No KIM remarks.
AERSR221087	No KIM remarks.
AERSR221088	No KIM remarks.
AERSR221089	No KIM remarks.
AERSR221091	No KIM remarks.
AERSR221094	No KIM remarks.
AERSR221095	No KIM remarks.
AERSR221099	No KIM remarks.
AERSR221100	No KIM remarks.

Kimberlite Indicator Mineral Remarks

Client: Alberta Geological Survey

File Name: 20232820 - AER - Alberta Geological Survey - (KIM, MMISM) - Jan 2023

Total Number of Samples in this Report: 30

ODM Batch Number(s): 2820

Sample Number	Remarks
AERSR221103	SEM check from 0.25-0.5 mm fraction: 1 GP versus almandine candidate = 1 GP.
AERSR221105	No KIM remarks.
AERSR221107	No KIM remarks.
AERSR221109	No KIM remarks.

Apatite Separates

Client: Alberta Geological Survey

File Name: 20232820 - AER - Alberta Geological Survey - (KIM, MMISM) - Jan 2023

Total Number of Samples in this Report: 30

ODM Batch Number(s): 2820

Sample Number	Apatite Grains in S.G. 3.0-3.2, 0.25-2.0 mm Concentrates			
	Estimated Total %	Number		Remarks
		Estimated Total	Picked	
AER22TS-1001	0	0	0	
AER22TS-1003	0	0	0	
AER22TS-1011	Tr	6	6	
AER22TS-1015	0	0	0	
AER22TS-1017	Tr	30	0	
AER22TS-1019	0	0	0	
AER22TS-1021	Tr	20	0	
AER22TS-1073	0	0	0	
AER22TS-2003	1	0	0	
AER22TS-2022	0	13	13	
AER22TS-3054	Tr	0	0	
AER22TS-5002	2	6	6	
AERCL227034	1	40	13	
AERCL227060	6	80	0	
AERCL227075	0	300	0	
AERSR221083	0	0	0	
AERSR221084	Tr	0	0	
AERSR221085	0	6	6	
AERSR221087	0	0	0	
AERSR221088	Tr	0	0	
AERSR221089	0	3	3	
AERSR221091	0	0	0	
AERSR221094	0	0	0	
AERSR221095	0	0	0	
AERSR221099	0	0	0	
AERSR221100	0	0	0	
AERSR221103	0	0	0	
AERSR221105	0	0	0	
AERSR221107	Tr	1	1	
AERSR221109	1	40	19	