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Laboratory Data Report

Client Information

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Data-File Information

Date: February 21, 2023

Project name:

ODM batch number:

2846

Sample numbers:

AER22TS-1079, AER22TS-1086, AER22TS-2017, AER22TS-2039,
AER22TS-2056, AER22TS-3012, AER22TS-4090, AER22TS-5036,
AER22TS-5116, AERHL225013, AERHL225100, AERHL225117,
AERSR221014, AERSR223029, AERSR223031, AERSR223034,
AERSR223037, AERSR223038, AERSR223042, AERSR223048,
AERSR223050, AERSR223058, AERSR223059, AERSR223067,
AERSR223068, AERSR223076, AERSR223077

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

Number of samples in this report: 27

Number of samples processed to date: 138

Total number of samples in project: 299

Preliminary data:

☐

Final data:

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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: 27

ODM Batch Number(s): 2846

Sample Number	Weight (kg wet)					Screening and Shaking Table Sample Descriptions													
						Clasts (+2.0 mm)					Matrix (-2.0 mm)					Colour			Class
											Distribution								
	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-1079	9.6	0.3	9.3	0.2	9.1	P	30	0	70	TR	U	-	Y	+	N	OC	OC	TILL	
AER22TS-1086	9.7	0.3	9.4	0.8	8.6	P	80	0	20	TR	U	-	Y	+	N	LOC	LOC	TILL	
AER22TS-2017	11.3	0.3	11.0	0.5	10.5	P	90	0	10	TR	U	-	Y	+	N	LOC	LOC	TILL	
AER22TS-2039	13.6	0.3	13.3	0.3	13.0	P	100	0	TR	TR	U	-	Y	+	N	OC	LOC	TILL	
AER22TS-2056	11.5	0.3	11.2	0.3	10.9	P	100	TR	TR	TR	U	-	Y	+	N	LOC	LOC	TILL	
AER22TS-3012	10.0	0.3	9.7	0.4	9.3	P	100	TR	0	TR	U	Y	Y	Y	N	LOC	LOC	TILL	
AER22TS-4090	10.7	0.3	10.4	0.2	10.2	P	100	TR	0	TR	U	-	Y	+	N	LOC	LOC	TILL	
AER22TS-5036	14.4	0.3	14.1	0.7	13.4	P	100	TR	0	TR	U	-	Y	+	N	OC	OC	TILL	
AER22TS-5116	15.1	0.3	14.8	0.8	14.0	P	90	TR	TR	10	U	Y	Y	Y	N	LOC	LOC	TILL	
AERHL225013	8.3	0.3	8.0	0.0	8.0	No Clasts					S	FM	+	N	N	OC	NA	SAND + GRAVEL	
AERHL225100	10.5	0.3	10.2	0.0	10.2	No Clasts					S	F	-	N	N	GB	NA	SAND + SILT	
AERHL225117	10.5	0.3	10.2	0.0	10.2	No Clasts					S	FM	-	N	N	OC	NA	SAND + GRAVEL	
AERSR221014	9.8	0.3	9.5	0.0	9.5	No Clasts					S	FM	-	N	N	DOC	NA	SAND + GRAVEL	
AERSR223029	9.4	0.3	9.1	0.0	9.1	No Clasts					S	FM	-	N	N	OC	NA	SAND + GRAVEL	
AERSR223031	9.4	0.3	9.1	0.0	9.1	No Clasts					S	MC	-	N	N	OC	NA	SAND + GRAVEL	
AERSR223034	10.7	0.3	10.4	0.0	10.4	No Clasts					S	MC	-	N	N	DOC	NA	SAND + GRAVEL	
AERSR223037	9.7	0.3	9.4	0.0	9.4	No Clasts					S	M	-	N	N	GB	NA	SAND + GRAVEL	
AERSR223038	9.1	0.3	8.8	0.0	8.8	No Clasts					S	MC	-	N	N	DOC	NA	SAND + GRAVEL	
AERSR223042	10.3	0.3	10.0	0.0	10.0	No Clasts					S	FM	-	N	N	OC	NA	SAND + GRAVEL	
AERSR223048	9.3	0.3	9.0	0.0	9.0	No Clasts					S	FM	Y	N	Y	GY	NA	SAND + GRAVEL	
AERSR223050	12.0	0.3	11.7	0.0	11.7	No Clasts					S	MC	-	N	N	OC	NA	SAND + GRAVEL	
AERSR223058	10.7	0.3	10.4	0.0	10.4	No Clasts					S	MC	-	N	N	GY	NA	SAND + GRAVEL	
AERSR223059	9.6	0.3	9.3	0.0	9.3	No Clasts					S	MC	N	N	N	DOC	NA	SAND + GRAVEL	
AERSR223067	9.8	0.3	9.5	0.0	9.5	No Clasts					S	MC	N	N	N	OC	NA	SAND + GRAVEL	
AERSR223068	10.9	0.3	10.6	0.0	10.6	No Clasts					S	MC	N	N	N	OC	NA	SAND + GRAVEL	
AERSR223076	10.4	0.3	10.1	0.0	10.1	No Clasts					S	MC	-	N	N	OC	NA	SAND + GRAVEL	
AERSR223077	9.1	0.3	8.8	0.0	8.8	No Clasts					S	FM	-	N	N	DOC	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: 27

ODM Batch Number(s): 2846

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-1079	1	1	0	0	36.4	18	18	0	0
AER22TS-1086	4	4	0	0	34.4	83	83	0	0
AER22TS-2017	0	0	0	0	42.0	0	0	0	0
AER22TS-2039	7	4	3	0	52.0	197	182	14	0
AER22TS-2056	2	2	0	0	43.6	10	10	0	0
AER22TS-3012	2	0	0	2	37.2	1	0	0	1
AER22TS-4090	1	1	0	0	40.8	1	1	0	0
AER22TS-5036	0	0	0	0	53.6	0	0	0	0
AER22TS-5116	1	0	1	0	56.0	1	0	1	0
AERHL225013	0	0	0	0	32.0	0	0	0	0
AERHL225100	0	0	0	0	40.8	0	0	0	0
AERHL225117	0	0	0	0	40.8	0	0	0	0
AERSR221014	0	0	0	0	38.0	0	0	0	0
AERSR223029	3	0	3	0	36.4	22	0	22	0
AERSR223031	0	0	0	0	36.4	0	0	0	0
AERSR223034	1	0	0	1	41.6	2	0	0	2
AERSR223037	1	1	0	0	37.6	15	15	0	0
AERSR223038	0	0	0	0	35.2	0	0	0	0
AERSR223042	0	0	0	0	40.0	0	0	0	0
AERSR223048	1	1	0	0	36.0	4	4	0	0
AERSR223050	4	2	2	0	46.8	38	16	22	0
AERSR223058	1	0	1	0	41.6	2	0	2	0
AERSR223059	0	0	0	0	37.2	0	0	0	0
AERSR223067	0	0	0	0	38.0	0	0	0	0
AERSR223068	0	0	0	0	42.4	0	0	0	0
AERSR223076	1	0	1	0	40.4	4	0	4	0
AERSR223077	1	1	0	0	35.2	<1	<1	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: 27

ODM Batch Number(s): 2846

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-1079	15	C	75	75	1			1	18	No sulphides.
								1	36.4	18
AER22TS-1086	5	C	25	25	3			3	2	No sulphides.
	25	C	100	150	1			1	81	
								4	34.4	83
AER22TS-2017	No Visible Gold									No sulphides.
AER22TS-2039	8	C	25	50	1			1	1	No sulphides.
	10	C	25	75		1		1	3	
	13	C	25	100		1		1	5	
	13	C	50	75		1		1	7	
	20	C	75	125	1			1	27	
	22	C	100	125	1			1	40	
	31	C	125	200	1			1	114	
								7	52.0	197
AER22TS-2056	8	C	25	50	1			1	2	No sulphides.
	13	C	50	75	1			1	8	
								2	43.6	10
AER22TS-3012	3	C	15	15			1	1	<1	No sulphides.
	5	C	25	25			1	1	1	
								2	37.2	1
AER22TS-4090	5	C	25	25	1			1	1	No sulphides.
								1	40.8	1
AER22TS-5036	No Visible Gold									No sulphides.
AER22TS-5116	8	C	25	50		1		1	1	No sulphides.
								1	56.0	1
AERHL225013	No Visible Gold									No sulphides.
AERHL225100	No Visible Gold									Tr (~50 grains) marcasite (25 µm).
AERHL225117	No Visible Gold									Tr (~100 grains) pyrite (25-75 µm). Tr (~500 grains) marcasite (25-50 µm).
AERSR221014	No Visible Gold									Tr (~100 grains) pyrite (25-75 µm). Tr (~1000 grains) marcasite (25-50 µm).
AERSR223029	5	C	25	25		1		1	1	No sulphides.
	10	C	50	50		1		1	5	
	15	C	50	100		1		1	16	
								3	36.4	22
AERSR223031	No Visible Gold									Tr (~50 grains) pyrite (25-50 µm). Tr (~200 grains) marcasite (25-50 µm).
AERSR223034	8	C	25	50			1	1	2	No sulphides.
								1	41.6	2
AERSR223037	15	C	50	100	1			1	15	Tr (~3000 grains) marcasite (25-75 µm).
								1	37.6	15

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

Detailed Gold Grain Data

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Total Number of Samples in this Report: 27

ODM Batch Number(s): 2846

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				
AERSR223038	No Visible Gold										Tr (~1000 grains) marcasite (25-500 µm).
AERSR223042	No Visible Gold										Tr (~200 grains) marcasite (25-50 µm).
AERSR223048	10	C	25	75	1			1 1	4 4	Tr (~200 grains) marcasite (25-50 µm).	
								36.0			
AERSR223050	5	C	25	25		1		1	1	Tr (~100 grains) marcasite (25-50 µm).	
	10	C	50	50	1			1	4		
	15	C	50	100	1			1	12		
	18	C	75	100		1		1	21		
								4	46.8	38	
AERSR223058	8	C	25	50		1		1 1	2 2	Tr (~3000 grains) marcasite (25-100 µm).	
								41.6			
AERSR223059	No Visible Gold										Tr (~300 grains) marcasite (25-50 µm).
AERSR223067	No Visible Gold										Tr (~4000 grains) marcasite (25-100 µm).
AERSR223068	No Visible Gold										Tr (~300 grains) marcasite (25-50 µm).
AERSR223076	10	C	25	75		1		1 1	4 4	Tr (~500 grains) marcasite (25 µm).	
								40.4			
AERSR223077	3	C	15	15	1			1 1	<1 <1	Tr (~50 grains) marcasite (25 µm).	
								35.2			

* 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: 27

ODM Batch Number(s): 2846

Sample Number	Weight of -2.0 mm Table Concentrate (g)													
	0.25-2.0 mm Heavy Liquid Separation at S.G. 3.0 and 3.2													
	Total	-0.25 mm	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					
									S.G. >3.2					
									Total	Processed Split				
										Total		0.25 to 0.5	0.5 to 1.0 mm	1.0 to 2.0 mm
										%	Weight			
AER22TS-1079	517.2	327.1	190.1	186.2	3.9	0.5	0.5	1.2	1.7	100.0	1.7	0.9	0.5	0.3
AER22TS-1086	1304.7	831.6	473.1	469.3	3.8	0.8	0.1	1.3	1.6	100.0	1.6	1.0	0.4	0.2
AER22TS-2017	639.3	548.6	90.7	88.1	2.6	0.6	0.3	0.8	0.9	100.0	0.9	0.8	0.1	<0.01
AER22TS-2039	1305.7	967.0	338.7	337.1	1.6	0.4	<0.01	0.6	0.6	100.0	0.6	0.3	0.1	0.2
AER22TS-2056	1092.3	763.8	328.5	326.9	1.6	0.4	0.03	0.5	0.7	100.0	0.7	0.5	0.1	0.1
AER22TS-3012	1089.5	637.3	452.2	448.5	3.7	1.0	0.1	1.0	1.6	100.0	1.6	1.2	0.4	0.02
AER22TS-4090	652.0	527.0	125.0	122.2	2.8	0.5	0.1	0.6	1.6	100.0	1.6	1.2	0.3	0.1
AER22TS-5036	729.5	480.3	249.2	242.3	6.9	1.4	0.2	1.8	3.5	100.0	3.5	2.5	0.9	0.1
AER22TS-5116	864.7	751.2	113.5	105.6	7.9	1.7	0.2	1.8	4.2	100.0	4.2	3.6	0.6	0.04
AERHL225013	817.9	346.7	471.2	423.2	48.0	6.8	3.2	8.5	29.5	67.8	20.0	12.1	5.3	2.6
AERHL225100	1109.3	1104.8	4.5	4.1	0.4	0.0	<0.01	0.3	0.06	100.0	0.06	0.06	<0.01	<0.01
AERHL225117	900.2	567.7	332.5	291.9	40.6	5.8	3.1	7.4	24.3	100.0	24.3	19.2	4.7	0.4
AERSR221014	741.5	355.8	385.7	379.9	5.8	1.0	0.1	2.3	2.4	100.0	2.4	0.9	1.0	0.5
AERSR223029	750.7	504.4	246.3	223.8	22.5	2.4	1.1	3.8	15.2	100.0	15.2	7.0	5.9	2.3
AERSR223031	753.9	569.2	184.7	167.7	17.0	2.7	0.5	2.3	11.5	100.0	11.5	5.7	5.4	0.4
AERSR223034	774.3	406.2	368.1	353.6	14.5	1.7	0.7	3.9	8.2	100.0	8.2	3.6	3.1	1.5
AERSR223037	557.1	419.5	137.6	135.6	2.0	0.7	0.05	0.3	1.0	100.0	1.0	0.6	0.3	0.1
AERSR223038	832.6	514.4	318.2	269.9	48.3	2.8	0.5	7.7	37.3	53.6	20.0	3.9	11.7	4.4
AERSR223042	747.6	396.1	351.5	345.9	5.6	1.1	0.1	2.2	2.2	100.0	2.2	0.9	1.0	0.3
AERSR223048	717.1	654.2	62.9	60.5	2.4	0.1	0.01	0.5	1.8	100.0	1.8	1.0	0.5	0.3
AERSR223050	860.2	645.8	214.4	209.6	4.8	1.8	<0.01	2.4	0.6	100.0	0.6	0.3	0.2	0.1
AERSR223058	913.1	497.2	415.9	406.6	9.3	2.1	0.04	2.3	4.9	100.0	4.9	1.9	2.0	1.0
AERSR223059	861.5	344.8	516.7	504.5	12.2	1.0	0.1	4.1	7.0	100.0	7.0	1.8	3.0	2.2
AERSR223067	495.5	334.5	161.0	145.8	15.2	2.0	0.1	3.8	9.3	100.0	9.3	2.4	4.2	2.7
AERSR223068	516.3	316.5	199.8	192.7	7.1	1.5	0.03	1.7	3.9	100.0	3.9	2.4	1.3	0.2
AERSR223076	693.2	449.0	244.2	239.8	4.4	0.9	0.02	0.7	2.8	100.0	2.8	0.9	1.2	0.7
AERSR223077	795.1	469.9	325.2	311.3	13.9	3.3	0.9	2.0	7.7	100.0	7.7	3.0	3.7	1.0

0.25-0.5 mm Paramagnetic/Non-Paramagnetic Fraction Weights

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ODM Batch Number(s): 2846

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-1079	0.86	0.28	0.32	0.17	0.08	0.01
AER22TS-1086	1.01	0.10	0.50	0.34	0.05	0.02
AER22TS-2017	0.82	0.20	0.32	0.23	0.06	0.01
AER22TS-2039	0.31	0.02	0.12	0.12	0.04	0.01
AER22TS-2056	0.51	0.04	0.25	0.15	0.06	0.01
AER22TS-3012	1.23	0.11	0.78	0.27	0.06	0.01
AER22TS-4090	1.24	0.17	0.83	0.17	0.05	0.02
AER22TS-5036	2.46	0.02	0.38	1.87	0.16	0.03
AER22TS-5116	3.56	0.08	0.81	2.37	0.24	0.06
AERHL225013	12.12	4.83	3.75	1.57	1.94	0.03
AERHL225100	0.05		0.04		0.01	NA
AERHL225117	19.23	9.37	4.23	2.59	3.00	0.04
AERSR221014	0.90	0.01	0.13	0.50	0.26	<0.01
AERSR223029	6.97	0.74	4.05	1.69	0.46	0.03
AERSR223031	5.66	0.04	2.66	2.64	0.32	<0.01
AERSR223034	3.64	0.09	1.34	1.89	0.30	0.02
AERSR223037	0.57	0.01	0.13	0.23	0.19	0.01
AERSR223038	3.93	0.02	0.52	3.02	0.36	0.01
AERSR223042	0.92	0.01	0.09	0.71	0.10	0.01
AERSR223048	1.03	<0.01	0.37	0.54	0.11	0.01
AERSR223050	0.29	<0.01	0.04	0.20	0.05	<0.01
AERSR223058	1.93	0.04	0.32	0.95	0.62	<0.01
AERSR223059	1.84	0.01	0.24	1.52	0.07	<0.01
AERSR223067	2.37	0.01	0.08	1.24	1.00	0.04
AERSR223068	2.36	0.01	0.35	1.95	0.05	<0.01
AERSR223076	0.93	0.01	0.14	0.73	0.05	<0.01
AERSR223077	2.94	0.03	0.59	1.92	0.40	<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: 27
ODM Batch Number(s): 2846

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-1079	0	0	95 barite (~1000 gr)	1 (10 gr)	15 (~1500 gr)	0	0	0	0	Tr (1 gr)	0	0	0	0	0	0	0	0	0.5 (5 gr)	0	0	Almandine-augite-hornblende/barite assemblage. 0.5-1.0 mm fraction contains 8% (~50 grains) barite	1.0-2.0 mm fraction: 14 barite 0.5-1.0 mm fraction: 10 representative barite 0.25-0.5 mm fraction: 10 representative barite
AER22TS-1086	0	0	30 barite (~200 gr)	0	25 (~2500 gr)	1 pink	0	1 (8 gr)	15 (~100 gr)	Tr (2 gr)	0	0	0	0	0	0	0	0	0	0.5 (3 gr)	0	Almandine-goethite/barite-epidote-kyanite-diopside assemblage.	1.0-2.0 mm fraction: 1 barite 0.5-1.0 mm fraction: 9 barite 0.25-0.5 mm fraction: 10 representative barite 1 spinel 8 red rutile 3 monazite
AER22TS-2017	0	0	50 barite (~300 gr)	0	20 (~1500 gr)	0	0	0	1 (10 gr)	0	0	0	0	0	0	0	0	0	3 (18 gr)	0	0	Almandine-augite-hornblende/barite-epidote-titanite assemblage.	0.5-1.0 mm fraction: 6 barite 0.25-0.5 mm fraction: 10 representative barite 18 apatite
AER22TS-2039	0	0	0	0	50 (~1200 gr)	0	0	0.5 (2 gr)	0	0	0	0	0	0	0	0	0	0	0	0	0	Goethite-augite-hematite/leucoxene assemblage.	0.25-0.5 mm fraction: 2 red rutile
AER22TS-2056	0	0	0	0	20 (~800 gr)	0	0	0.5 (5 gr)	10 (~60 gr)	0	0	0	0	0	0	0	0	0	0	Tr (2 gr)	0	Almandine-augite-goethite/leucoxene assemblage.	0.25-0.5 mm fraction: 5 red rutile 2 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
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Total Number of Samples in this Report: 27
ODM Batch Number(s): 2846

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-3012	0	0	10 barite (~60 gr)	0	30 (~3000 gr)	0	0	Tr (1 gr)	40 (~250 gr)	0	0	0	0	0	0	0	0	0.5 (4 gr)	0	Tr florencite (1 gr)	Almandine-goethite-hornblende/kyanite-epidote assemblage.	0.5-1.0 mm fraction: 2 barite 0.25-0.5 mm fraction: 10 representative barite 1 red rutile 4 apatite 1 florencite			
AER22TS-4090	0	0	0.7 barite (5 gr)	0	5 (~600 gr)	1 blue-green	0	0.5 (3 gr)	70 (~500 gr)	1 (6 gr)	Tr (1 gr)	0	0	0	0	0	0	0	Tr (2 gr)	0	Almandine-hornblende/kyanite-diopside assemblage. SEM check from 0.25-0.5 mm fraction: 1 blue-green gahnite versus spinel candidate = 1 spinel.	0.25-0.5 mm fraction: 5 barite 1 spinel 3 red rutile 1 tourmaline 2 monazite			
AER22TS-5036	0	0	80 barite (~1200 gr)	12 (~200 gr)	70 (~15,000 gr)	0	0	Tr (1 gr)	5 (~80 gr)	0	0	1 (~15 gr)	0	0	0	0	0	0	0	0	Goethite-almandine/barite assemblage. 0.5-1.0 mm fraction contains trace (~20 grains) barite.	0.5-1.0 mm fraction: 10 representative barite 0.25-0.5 mm fraction: 10 representative barite 1 red rutile			
AER22TS-5116	0	0	20 barite (~600 gr)	0.1 (3 gr)	70 (~20,000 gr)	1 pink	0	Tr (8 gr)	40 (~1200 gr)	3 (~100 gr)	Tr (1 gr)	1 (~30 gr)	0	0	0	0	Tr (1 gr)	0	0	0	Goethite-almandine/kyanite-barite-leucoxene assemblage. 0.5-1.0 mm fraction contains 5% (~50 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 1 spinel 8 red rutile 1 tourmaline 1 chromite			

*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: 27
ODM Batch Number(s): 2846

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				% Cr*	Phosphates			
													% Fo*	% Fay	% Opx		% Ap	% Mz				
AERHL225013	0	Tr (1 gr)	Tr sphalerite (40 gr); 15 barite (~3000 gr)	60 (~12,000 gr)	4 (~400 gr)	3 blue-grey, pink	0	0	1 (~200 gr)	0	Tr (5 gr)	Tr (~60 gr)	0	0	0	0	0	Tr (6 gr)	Tr (~50 gr)	0	Almandine-hornblende/marcasite-epidote-barite. assemblage. SEM checks from 0.25-0.5 mm fraction: 2 blue-grey gahnite versus spinel candidates = 2 spinel. 0.5-1.0 mm fraction contains 1% (~40 grains) barite.	1.0-2.0 mm fraction: 6 barite 0.5-1.0 mm fraction: 10 representative barite 0.25-0.5 mm fraction: 1 chalcopyrite 26 representative sphalerite 10 representative barite 3 spinel 5 tourmaline 6 apatite 5 representative Monazite
AERHL225100	0	0	0	0	5 (~20 gr)	0	0	0	25 (~25 gr)	0	0	0	0	0	0	0	0	0	0	0	Almandine-hornblende-augite/epidote-kyanite-leucoxene assemblage.	

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

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ODM Batch Number(s): 2846

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							
AERHL225117	0	0	0.2 sphalerite (~50 gr); Tr scheelite (1 gr); 50 barite (~15,000 gr)	40 (~12,000 gr)	12 (~20,000 gr)	2 blue, green	Tr Mn-epidote (3 gr)	Tr (~25 gr)	Tr (~60 gr)	Tr (4 gr)	Tr (6 gr)	0	0	0	0	0	0	Tr (8 gr)	0.5 (~150 gr)	Tr florencite (2 gr)	Almandine/barite-marcasite assemblage. SEM check from 0.25-0.5 mm fraction: 1 corundum versus kyanite candidate = 1 kyanite. 0.5-1.0 mm fraction contains 15% (~800 grains) barite.	1.0-2.0 mm fraction: 10 barite 0.5-1.0 mm fraction: 1 sphalerite 10 representative barite 0.25-0.5 mm fraction: 20 representative sphalerite 1 scheelite 10 representative barite 2 spinel 3 Mn-epidote 1 kyanite resembling corundum 10 representative red rutile 5 tourmaline 8 apatite 5 representative monazite 2 florencite
AERSR221014	0	0	20 barite (~500 gr)	80 (~2000 gr)	80 (~6000 gr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Goethite-black andradite/marcasite-barite assemblage.	1.0-2.0 mm fraction: 1 barite 0.5-1.0 mm fraction: 14 barite 0.25-0.5 mm fraction: 10 representative barite

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

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		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				% Cr*	Phosphates				% REE Bearing Minerals
													% Fo*	% Fay	% Opx		% Ap	% Mz					
AERSR223029	0	0	4 barite (~200 gr)	4 (~300 gr)	20 (~12,000 gr)	0	0	0	0	0	0	0	0	0	0	0	0	0	6 (~300 gr)	0	0	Black andradite-goethite/titanite assemblage.	0.5-1.0 mm fraction: 9 barite 0.25-0.5 mm fraction: 10 representative barite
AERSR223031	0	0	40 barite (~1200 gr); Tr fluorite (1 gr)	60 (~2000 gr)	70 (~40,000 gr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Goethite-hematite/marcasite-barite assemblage. 0.5-1.0 mm fraction contains 2% (~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 1 fluorite
AERSR223034	0	0	40 barite (~1200 gr)	1 (~30 gr)	30 (~10,000 gr)	0	0	0	0	0	0	0	0	0	0	0	0	0	1 (~30 gr)	0	0	Andradite-goethite-hematite/barite-titanite-epidote assemblage. SEM checks from 0.25-0.5 mm fraction: 4 scheelite versus barite candidates = 4 barite; 6 titanite (major nonparamagnetic assemblage mineral) versus monazite candidates = 6 titanite. 0.5-1.0 mm fraction contains 1% (~40 grains) barite.	0.5-1.0 mm fraction: 10 representative barite 0.25-0.5 mm fraction: 14 representative barite 20 representative apatite 6 representative titanite

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Metamorphosed/Magmatic Massive Sulphide Indicator Mineral (MMSIM) Counts

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		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										
AERSR223037	0	0	25 barite (~500 gr)	60 (~1200 gr)	2 (~60 gr)	0	0	0	0	0	0	0	0	0	0	0	0	1 (20 gr)	0	0	Hematite/marcasite-barite-titanite assemblage.	1.0-2.0 mm fraction: 3 barite 0.5-1.0 mm fraction: 18 barite 0.25-0.5 mm fraction: 10 representative barite 20 apatite			
AERSR223038	0	0	10 barite (~400 gr)	80 (~3000 gr)	30 (~10,000 gr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Hematite-goethite/marcasite assemblage.	0.5-1.0 mm fraction: 10 representative barite 0.25-0.5 mm fraction: 10 representative barite			
AERSR223042	0	0	30 barite (~300 gr)	50 (~500 gr)	40 (~3000 gr)	0	0	0	0	0	0	0	0	0	0	0	0	2 (18 gr)	0	0	Hematite-goethite/marcasite-barite-titanite assemblage.	0.5-1.0 mm fraction: 7 barite 0.25-0.5 mm fraction: 10 representative barite 18 apatite			

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		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										
AERSR223048	0	0	30 barite (~400 gr); 0.2 fluorite (2 gr)	2 (~30 gr)	6 (~500 gr)	0	0	0	0	0	0	0	0	0	0	0	0	Tr (3 gr)	0.5 (5 gr)	0	0	Hematite/titanite-barite-leucoxene assemblage.	0.5-1.0 mm fraction: 5 barite 0.25-0.5 mm fraction: 10 representative barite 2 fluorite 3 chromite 5 apatite		
AERSR223050	0	0	60 barite (~350 gr); Tr fluorite (1 gr)	30 (~250 gr)	99 (~3000 gr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Goethite/barite-marcasite assemblage.	0.5-1.0 mm fraction: 7 barite 0.25-0.5 mm fraction: 10 representative barite		
AERSR223058	0	0	70 barite (~4000 gr)	30 (~1500 gr)	40 (~5000 gr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Goethite-hematite-siderite/barite-marcasite assemblage. 0.5-1.0 mm fraction contains 5% (~120 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		

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		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										
AERSR223059	0	0	10 barite (~80 gr)	10 (~80 gr)	99 (~20,000 gr)	0	0	0	0	0	0	0	0	0	0	0	0	2 (14 gr)	0	0	Goethite/titanite assemblage.	0.25-0.5 mm fraction: 10 representative barite 14 apatite			
AERSR223067	0	0	25 barite (~2500 gr)	75 (~8000 gr)	90 (~1200 gr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Goethite/marcasite-barite assemblage. 0.5-1.0 mm fraction contains 3% (~150 grains) barite	1.0-2.0 mm fraction: 2 barite 0.5-1.0 mm fraction: 10 representative barite 0.25-0.5 mm fraction: 10 representative barite			
AERSR223068	0	0	15 barite (~200 gr); Tr fluorite (1 gr)	15 (~200 gr)	99 (30,000 gr)	0	0	0	0	0	0	0	0	0	0	0	0	Tr (3 gr)	0	0	Goethite/barite-marcasite-titanite assemblage.	0.5-1.0 mm fraction: 8 barite 0.25-0.5 mm fraction: 10 representative barite 1 fluorite 3 apatite			
AERSR223076	0	0	80 barite (~400 gr)	10 (~50 gr)	30 (~2500 gr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Hematite-goethite/barite assemblage. "Pyrite" is mostly marcasite. 0.5-1.0 mm fraction contains 2% (~30 grains) barite.	1.0-2.0 mm fraction: 2 barite 0.5-1.0 mm fraction: 10 representative barite 0.25-0.5 mm fraction: 10 representative barite			

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		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			
AERSR223077	0	0	5 barite (~200 gr)	1 (~40 gr)	20 (~5000 gr)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Hematite-goethite/titanite assemblage.	0.5-1.0 mm fraction: 7 barite 0.25-0.5 mm fraction: 10 representative barite

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Kimberlite Indicator Mineral Counts

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Total Number of Samples in this Report: 27
ODM Batch Number(s): 2846

Sample Number	Number of Grains																																											
	Pseudo-KIMs						KIMs																																					
	1.0 to 2.0 mm		0.5 to 1.0 mm		0.25 to 0.5 mm		1.0 to 2.0 mm										0.5 to 1.0 mm										0.25 to 0.5 mm								Total (KIMs)									
	Low-Cr diopside*		Low-Cr diopside*		Low-Cr diopside*		GP		GO		DC		IM		CR*		FO*		GP		GO		DC		IM		CR*		FO*		GP		GO				DC		IM		CR*		FO*	
	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P	T	P		
AER22TS-1079	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
AER22TS-1086	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AER22TS-2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AER22TS-2039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AER22TS-2056	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AER22TS-3012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AER22TS-4090	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AER22TS-5036	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AER22TS-5116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AERHL225013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AERHL225100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AERHL225117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AERSR221014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AERSR223029	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AERSR223031	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AERSR223034	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AERSR223037	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AERSR223038	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AERSR223042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AERSR223048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AERSR223050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AERSR223058	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AERSR223059	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AERSR223067	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AERSR223068	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AERSR223076	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AERSR223077	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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: 27

ODM Batch Number(s): 2846

Sample Number	Remarks
AER22TS-1079	No KIM remarks.
AER22TS-1086	No KIM remarks.
AER22TS-2017	No KIM remarks.
AER22TS-2039	No KIM remarks.
AER22TS-2056	No KIM remarks.
AER22TS-3012	No KIM remarks.
AER22TS-4090	No KIM remarks.
AER22TS-5036	No KIM remarks.
AER22TS-5116	No KIM remarks.
AERHL225013	No KIM remarks.
AERHL225100	No KIM remarks.
AERHL225117	No KIM remarks.
AERSR221014	No KIM remarks.
AERSR223029	No KIM remarks.
AERSR223031	No KIM remarks.
AERSR223034	No KIM remarks.
AERSR223037	No KIM remarks.
AERSR223038	No KIM remarks.
AERSR223042	No KIM remarks.
AERSR223048	SEM checks from 0.25-0.5 mm fraction: 1 GP versus zircon candidate = 1 zircon; 1 FO versus epidote candidate = 1 epidote; and 3 CR versus black andradite candidates = 3 CR.
AERSR223050	No KIM remarks.
AERSR223058	No KIM remarks.
AERSR223059	No KIM remarks.
AERSR223067	No KIM remarks.
AERSR223068	No KIM remarks.
AERSR223076	No KIM remarks.
AERSR223077	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: 27

ODM Batch Number(s): 2846

Sample Number	Apatite Grains in S.G. 3.0-3.2, 0.25-2.0 mm Concentrates			Remarks
	Estimated Total %	Number		
		Estimated Total	Picked	
AER22TS-1079	5	300	20	
AER22TS-1086	Tr	17	17	
AER22TS-2017	2	150	2	
AER22TS-2039	Tr	5	5	
AER22TS-2056	Tr	11	11	
AER22TS-3012	Tr	150	16	
AER22TS-4090	8	80	20	
AER22TS-5036	Tr	2	2	
AER22TS-5116	Tr	7	7	
AERHL225013	0.5	300	15	
AERHL225100	Tr	9	9	
AERHL225117	1	200	12	
AERSR221014	0	0	0	
AERSR223029	Tr	40	20	
AERSR223031	0	0	0	
AERSR223034	1	250	0	
AERSR223037	Tr	4	0	
AERSR223038	0	0	0	
AERSR223042	Tr	5	5	
AERSR223048	0	0	0	
AERSR223050	2	250	20	
AERSR223058	Tr	3	3	
AERSR223059	1	300	6	
AERSR223067	0	0	0	
AERSR223068	Tr	2	2	
AERSR223076	0	0	0	
AERSR223077	0	0	0	