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Laboratory Data Report

Client Information

Tectonic Metals Inc.
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Attention:

Data-File Information

Date: December 06, 2018
Project name: Yukon

ODM batch number: 7962
Sample numbers: 1276074, 1276075, 1276118, 1315271, 1537679, 1547902, 1645063,
1645070, 1645330, 1645348, 1645442A, B and C, 1687436 and
1687437

Data file: 20187962 - Tectonic Metals - Millington - Gold - December 2018

Number of samples in this report: 15
Number of samples processed to date: 15
Total number of samples in project: 15

Preliminary data:

Final data:

Revised data:

X

Samples Processed For:

Gold Only

Processing Specifications:

1. Submitted by client: Till and sand samples.
2. Single ± 500 g archival split taken.
3. All samples panned for gold, PGMs and fine-grained metallic indicator minerals.

Notes

Mike Crawford
Laboratory Manager

Primary Sample Processing Weights and Descriptions

Client: Tectonic Metals Inc.

File Name: 20187962 - Tectonic Metals - Millington - Gold - December 2018

Total Number of Samples in this Report: 15

ODM Batch Number(s): 7962

Weight (kg wet)							Screening and Shaking Table Sample Descriptions													Class					
							Bulk Rec'd Archived Split Table Split +2.0 mm Clasts Table Feed					Clasts (+2.0 mm)					Matrix (-2.0 mm)					Colour			
												Size	Percentage				Distribution								
													V/S	GR	LS	OT*	S/U	SD	ST		CY	ORG	SD	CY	
Sample Number																									
1276074	21.0	0.5	20.5	6.7	13.8	C	95	0	0	5	U	Y	Y	Y	N	OC	OC	TILL							
1276075	21.9	0.5	21.4	8.4	13.0	C	100	0	0	Tr	U	Y	Y	Y	N	DOC	DOC	TILL							
1276118	11.2	0.5	10.7	3.5	7.2	C	90	0	0	10	U	+	Y	-	N	OC	OC	TILL							
1315271	12.5	0.5	12.0	6.6	5.4	C	95	0	0	5	U	+	Y	-	N	OC	OC	TILL							
1537679	10.9	0.5	10.4	3.5	6.9	C	95	0	0	5	U	+	Y	-	N	OC	OC	TILL							
1547902	13.6	0.5	13.1	3.7	9.4	C	95	0	0	5	U	+	Y	-	N	OC	OC	TILL							
1645063	10.7	0.5	10.2	7.2	3.0	C	95	0	0	5	U	+	Y	-	N	OC	OC	TILL							
1645070	12.2	0.5	11.7	7.0	4.7	C	90	0	0	10	U	+	Y	-	N	OC	OC	TILL							
1645330	11.8	0.5	11.3	5.7	5.6	C	90	0	0	10	U	+	Y	-	N	OC	OC	TILL							
1645348	11.0	0.5	10.5	3.5	7.0	C	90	Tr	0	10	U	+	Y	-	N	OC	OC	TILL							
1645442A	6.9	0.5	6.4	4.1	2.3	C	100	0	0	0	U	+	-	-	N	OC	OC	TILL							
1645442B	9.7	0.5	9.2	4.5	4.7	C	100	0	0	Tr	U	+	Y	-	N	OC	OC	TILL							
1645442C	10.5	0.5	10.0	4.4	5.6	C	95	0	0	5	U	+	Y	-	N	OC	OC	TILL							
1687436	10.7	0.5	10.2	0.0	10.2	No Clasts					S	FM	Y	N	N	DOC	NA	SAND							
1687437	7.4	0.5	6.9	0.0	6.9	No Clasts					S	FM	Y	N	N	DOC	NA	SAND							

*Clasts listed as "OT" is quartz.

Gold Grain Summary

Client: Tectonic Metals Inc.

File Name: 20187962 - Tectonic Metals - Millington - Gold - December 2018

Total Number of Samples in this Report: 15

ODM Batch Number(s): 7962

Sample Number	Number of Visible Gold Grains				Nonmag HMC Weight (g)*	Calculated PPB Visible Gold in HMC			
	Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
1276074	197	173	13	11	55.2	384	362	19	3
1276075	438	421	13	4	52.0	1090	1081	8	1
1276118	480	417	35	28	28.8	1586	1454	93	39
1315271	293	238	43	12	21.6	4327	3933	351	44
1537679	360	305	35	20	27.6	1684	1480	138	65
1547902	415	336	52	27	37.6	2183	2020	137	26
1645063	106	85	12	9	12.0	634	556	54	24
1645070	336	307	18	11	18.8	1385	1245	129	11
1645330	66	56	8	2	22.4	319	298	19	1
1645348	141	88	27	26	28.0	394	320	56	18
1645442A	1	1	0	0	9.2	3	3	0	0
1645442B	174	155	13	6	18.8	1624	1579	35	9
1645442C	265	224	26	15	22.4	3373	3182	136	55
1687436	4	2	2	0	40.8	23	9	13	0
1687437	0	0	0	0	27.6	0	0	0	0

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 1/250th of the table feed.

Detailed Gold Grain Data

Client: Tectonic Metals Inc.

File Name: 20187962 - Tectonic Metals - Millington - Gold - December 2018

Total Number of Samples in this Report: 15

ODM Batch Number(s): 7962

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			
1276074	3	C	15	15	44	4	6	54	5	Tr (~50 grains) cinnabar (25-50 µm).
	5	C	25	25	52	5	5	62	27	
	8	C	25	50	40	2		42	55	
	10	C	25	75	3			3	8	
	10	C	50	50	13	1		14	49	
	13	C	50	75	10			10	65	
	15	C	50	100	4	1		5	52	
	15	C	75	75	3			3	35	
	18	C	75	100	3			3	54	
	22	C	75	150	1			1	34	
								197	55.2	384
1276075	3	C	15	15	42	4	2	48	5	Tr (~50 grains) cinnabar (25-50 µm).
	5	C	25	25	166	5	2	173	81	
	8	C	25	50	119	4		123	172	
	10	C	25	75	7			7	19	
	10	C	50	50	30			30	111	
	13	C	50	75	22			22	152	
	15	C	50	100	14			14	153	
	15	C	75	75	9			9	111	
	18	C	75	100	8			8	152	
	20	C	75	125	2			2	54	
	22	C	100	125	2			2	81	
								438	52.0	1090
1276118	3	C	15	15	110	10	12	132	24	Tr (~50 grains) cinnabar (25-50 µm).
	5	C	25	25	113	15	11	139	117	
	8	C	25	50	96	2	2	100	252	
	10	C	25	75	22	2	2	26	130	
	10	C	50	50	35	2		37	247	
	13	C	50	75	27	4	1	32	398	
	15	C	50	100	4			4	79	
	15	C	75	75	4			4	89	
	18	C	75	100	3			3	103	
	20	C	75	125	3			3	146	
								480	28.8	1586
1315271	3	C	15	15	9	3	2	14	3	Tr (~50 grains) cinnabar (25-50 µm).
	5	C	25	25	36	12	3	51	57	
	8	C	25	50	27	7	5	39	131	
	10	C	25	75	8	7	1	16	107	
	13	C	25	100		1		1	11	
	10	C	50	50	61	3		64	569	
	13	C	50	75	43	8	1	52	862	
	15	C	50	100	11	1		12	316	
	18	C	50	125	3			3	115	
	20	C	50	150	1			1	52	
	22	C	50	175	1			1	68	
	15	C	75	75	14			14	415	
	18	C	75	100	11			11	504	
	20	C	75	125	6			6	391	
	22	C	75	150	1			1	87	
	20	C	100	100	3	1		4	278	
	22	C	100	125	1			1	97	
	25	C	100	150	1			1	129	
	25	C	125	125	1			1	134	
								293	21.6	4327

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 1/250th of the table feed.

Detailed Gold Grain Data

Client: Tectonic Metals Inc.

File Name: 20187962 - Tectonic Metals - Millington - Gold - December 2018

Total Number of Samples in this Report: 15

ODM Batch Number(s): 7962

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			
1537679	3	C	15	15	85	7	8	100	19	Tr (~50 grains) cinnabar (25-50 µm).
	5	C	25	25	87	12	5	104	92	
	8	C	25	50	47	5	2	54	142	
	10	C	25	75	11	3	2	16	84	
	10	C	50	50	27	4	1	32	223	
	13	C	50	75	22	2	1	25	324	
	15	C	50	100	9	1		10	206	
	15	C	75	75	10	1	1	12	279	
	18	C	75	100	3			3	108	
	18	C	57	125	2			2	71	
	22	C	75	150	2			2	137	
								360	27.6	1684
1547902	3	C	15	15	15	4	12	31	4	Tr (~50 grains) cinnabar (25-50 µm).
	5	C	25	25	99	16	9	124	80	
	8	C	25	50	54	13	3	70	135	
	10	C	25	75	10	7	2	19	73	
	10	C	50	50	70	9	1	80	409	
	13	C	50	75	46	3		49	467	
	15	C	50	100	12			12	182	
	15	C	75	75	13			13	222	
	18	C	75	100	9			9	237	
	20	C	75	125	4			4	150	
	20	C	100	100	1			1	40	
	22	C	100	125	2			2	111	
	25	C	100	150	1			1	74	
								415	37.6	2183
1645063	3	C	15	15	20	4	4	28	12	Tr (~30 grains) cinnabar (25-50 µm).
	5	C	25	25	39	4	2	45	91	
	8	C	25	50	8	2	3	13	79	
	10	C	25	75	4			4	48	
	10	C	50	50	8	2		10	160	
	13	C	50	75	3			3	90	
	15	C	50	100	1			1	47	
	15	C	75	75	2			2	107	
								106	12.0	634
1645070	3	C	15	15	54	5	6	65	18	Tr (~50 grains) cinnabar (25-50 µm).
	5	C	25	25	140	4	4	148	191	
	8	C	25	50	69	5	1	75	289	
	10	C	25	75	9	1		10	77	
	10	C	50	50	15	2		17	174	
	13	C	50	75	10			10	191	
	15	C	50	100	4			4	121	
	20	C	50	150	1			1	60	
	15	C	75	75	4			4	136	
	18	C	75	100	1			1	53	
	20	C	75	125		1		1	75	
								336	18.8	1385
1645330	3	C	15	15	7	2	1	10	2	Tr (~30 grains) cinnabar (25-50 µm).
	5	C	25	25	17	2	1	20	22	
	8	C	25	50	16	3		19	62	
	10	C	25	75	2	1		3	19	
	10	C	50	50	9			9	77	
	13	C	50	75	3			3	48	
	18	C	75	100	2			2	88	
								66	22.4	319

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 1/250th of the table feed.

Detailed Gold Grain Data

Client: Tectonic Metals Inc.

File Name: 20187962 - Tectonic Metals - Millington - Gold - December 2018

Total Number of Samples in this Report: 15

ODM Batch Number(s): 7962

GDM Batch Number(s): F502												
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					
1645348	3	C	15	15	34	12	18	64		12	Tr (~30 grains) cinnabar (25-50 µm).	
	5	C	25	25	15	10	5	30		26		
	8	C	25	50	19	2	2	23		60		
	10	C	25	75	2		1	3		15		
	10	C	50	50	10	1		11		76		
	13	C	50	75	5	1		6		77		
	15	C	50	100		1		1		20		
	15	C	75	75	1			1		23		
	18	C	75	100	1			1		35		
	20	C	75	125	1			1		50		
								141	28.0	394		
1645442A	5	C	25	25	1			1		3	No sulphides.	
									1	9.2		3
1645442B	3	C	15	15	5	2	1	8		2	Tr (~30 grains) cinnabar (25-50 µm).	
	5	C	25	25	36	3	4	43		56		
	8	C	25	50	48	8	1	57		220		
	10	C	25	75	6			6		46		
	10	C	50	50	29			29		296		
	13	C	50	75	20			20		381		
	15	C	50	100	3			3		91		
	15	C	75	75	2			2		68		
	18	C	75	100	1			1		53		
	20	C	75	125	4			4		299		
	22	C	100	125	1			1		111		
									174	18.8		1624
1645442C	3	C	15	15	11	4	2	17		4	Tr (~30 grains) cinnabar (25-50 µm).	
	5	C	25	25	36	6	7	49		53		
	8	C	25	50	35	5	4	44		142		
	10	C	25	75	7	2		9		58		
	13	C	25	100	2			2		21		
	10	C	50	50	48	6	1	55		472		
	13	C	50	75	38	3		41		656		
	15	C	50	100	9		1	10		254		
	18	C	50	125	1			1		37		
	15	C	75	75	18			18		515		
	18	C	75	100	10			10		442		
	20	C	75	125	6			6		377		
	22	C	100	125	1			1		94		
	25	C	100	150	2			2		248		
								265	22.4	3373		
1687436	10	C	50	50	2	1		3		14	Tr (1 grain) cinnabar (25 µm).	
	13	C	50	75		1		1		9		
								4	40.8	23		
1687437	No Visible Gold											Tr (1 grain) cinnabar (25 µm).

* Calculated PPB Au based on assumed nonmagnetic HMC weight equivalent to 1/250th of the table feed.