

OVERBURDEN DRILLING MANAGEMENT LIMITED
107-15 CAPELLA COURT, NEPEAN, ONTARIO, K2E 7X1
TELEPHONE: (613) 226-1771
FAX NO.: (613) 226-8753
EMAIL: odm@storm.ca

DATA TRANSMITTAL REPORT

DATE: 11-Jun-2013

ATTENTION: **Mr. Donald Elsenheimer**

CLIENT: **Minnesota Department of Natural Resources**
500 Lafayette Rd
St. Paul, MN
55155-4045 USA

E-MAIL: **donald.elsenheimer@dnr.state.mn.us / dennis.martin@state.mn.us**

NO. OF PAGES: 5

PROJECT: **TK-T**

FILE NAME: **20136215 - MDNR - Elsenheimer - (TK-T) - June 2013**

SAMPLE NUMBERS: **TK0171T, 0177T, 0179T, 0182T, 0185T to 0188T, 0192T and 0193T**

BATCH NUMBER: **6215**

TOTAL SAMPLES: **10**

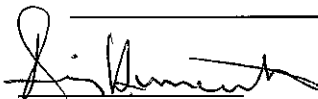
THESE SAMPLES WERE PROCESSED FOR: **GOLD GRAIN COUNT**
HMC

SPECIFICATIONS:

1. Submitted by client: ~10 kg till samples.
2. Larger clasts removed by hand in the field.
3. ±500 g archived split sieved to 0.063 mm.
4. Heavy liquid separation specific gravity: 3.30.

REMARKS:

Prepared HMC (nonferromagnetic HMC and ferromagnetic HMC) and <0.063 mm clay + silt fraction sent to Actlabs for analysis.



Remy Huneault, P. Geo.
Laboratory Manager

**OVERBURDEN DRILLING MANAGEMENT LIMITED
RAW SAMPLE DESCRIPTIONS AND PROCESSING WEIGHTS**

Filename: 20136215 - MDNR - Eisenheimer - (TK-T) - June 2013

Total Number of Samples in this Report = 10

Batch Number: 6215

Sample Number	Weight (kg wet)					-2.0 mm Table Concentrate Weight (g dry)										Sample Description								CLASS
						Heavy Liquid Separation (S.G. 3.3)					Clasts (> 2.0 mm)*					Matrix (<2.0 mm)								
	HMC**										Percentage				Distribution			Colour						
	Bulk Rec'd	Archived Split	Table Split	+2.0 mm Clasts	Table Feed	Total	Lights	Total	Non Mag	Mag	Size	W/S	GR	LS	OT	S/U	SD	ST	CY	OR G	SD	CY		
TK0171T	8.4	0.5	7.9	0.2	7.7	257.1	220.0	37.1	34.7	2.4	P	100	Tr	0	0	U	Y	Y	Y	N	OC	OC	TILL	
TK0177T	9.8	0.5	9.3	0.3	9.0	251.0	204.3	46.7	43.8	2.9	P	100	Tr	0	0	U	Y	Y	Y	N	OC	OC	TILL	
TK0179T	8.1	0.5	7.6	0.9	6.7	339.7	229.9	109.8	85.8	24.0	P	100	Tr	0	0	U	Y	Y	Y	N	OC	OC	TILL	
TK0182T	9.3	0.5	8.8	0.5	8.3	284.6	216.6	68.0	60.7	7.3	P	100	Tr	0	0	U	Y	Y	Y	N	OC	OC	TILL	
TK0185T	9.3	0.5	8.8	0.2	8.6	253.9	217.5	36.4	33.4	3.0	P	100	Tr	0	0	U	-	+	Y	N	OC	OC	TILL	
TK0186T	10.0	0.5	9.5	0.8	8.7	257.1	198.5	58.6	51.2	7.4	P	100	Tr	0	0	U	Y	Y	Y	N	OC	OC	TILL	
TK0187T	9.4	0.5	8.9	0.6	8.3	232.2	168.1	64.1	60.0	4.1	P	100	Tr	0	0	U	Y	Y	Y	N	OC	GB	TILL	
TK0188T	8.7	0.5	8.2	0.4	7.8	383.4	330.6	52.8	47.2	5.6	P	100	Tr	0	0	U	Y	Y	Y	N	OC	GB	TILL	
TK0192T	9.3	0.5	8.8	0.6	8.2	314.8	231.0	83.6	77.6	6.0	P	100	Tr	0	0	U	Y	Y	Y	N	OC	OC	TILL	
TK0193T	8.2	0.5	7.7	0.2	7.5	196.6	166.5	30.1	28.1	2.0	P	100	Tr	0	0	U	-	+	Y	N	OC	OC	TILL	

* Larger clasts removed by hand in the field.

** Nonmag and mag HMCs sent to Actlabs in Ancaster Ontario for analysis.

**OVERBURDEN DRILLING MANAGEMENT LIMITED
GOLD GRAIN SUMMARY**

Filename: 20136215 - MDNR - Eisenheimer - (TK-T) - June 2013

Total Number of Samples in this Report = 10

Batch Number: 6215

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
					*				
TK0171T	1	1	0	0	30.8	12	12	0	0
TK0177T	0	0	0	0	36.0	0	0	0	0
TK0179T	0	0	0	0	26.8	0	0	0	0
TK0182T	0	0	0	0	33.2	0	0	0	0
TK0185T	0	0	0	0	34.4	0	0	0	0
TK0186T	1	1	0	0	34.8	6	6	0	0
TK0187T	0	0	0	0	33.2	0	0	0	0
TK0188T	0	0	0	0	31.2	0	0	0	0
TK0192T	0	0	0	0	32.8	0	0	0	0
TK0193T	0	0	0	0	30.0	0	0	0	0

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

**OVERBURDEN DRILLING MANAGEMENT LIMITED
DETAILED GOLD GRAIN DATA**

Filename: 20136215 - MDNR - Elsenheimer - (TK-T) - June 2013

Total Number of Samples in this Report = 10

Batch Number: 6215

Sample Number	Panned Yes/No	Dimensions (microns)			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			
TK0171T	Yes	13 C	50	75	1				1		No sulphides.
									1	30.8	12
TK0177T	Yes	NO VISIBLE GOLD									~2000 grains marcasite (25-50µm).
TK0179T	Yes	NO VISIBLE GOLD									0.5% pyrite (25-250µm).
TK0182T	Yes	NO VISIBLE GOLD									0.5% marcasite (25-100µm).
TK0185T	Yes	NO VISIBLE GOLD									~100 grains pyrite (25-150µm). ~3000 grains marcasite (15-75µm).
TK0186T	Yes	10 C	50	50	1				1		0.5% pyrite (25-150µm).
									1	34.8	6
TK0187T	Yes	NO VISIBLE GOLD									0.5% pyrite (25-250µm). 0.5% marcasite (25-75µm).
TK0188T	Yes	NO VISIBLE GOLD									0.5% pyrite (25-250µm). 0.5% marcasite (25-75µm).
TK0192T	Yes	NO VISIBLE GOLD									1 grain galena (250µm). 1 grain arsenopyrite (500µm). 0.5% pyrite (25-500µm). 0.5% marcasite (15-100µm).
TK0193T	Yes	NO VISIBLE GOLD									~300 grains pyrite (25-150µm). ~3000 grains marcasite (15-75µm).

**OVERBURDEN DRILLING MANAGEMENT LIMITED
-63 μ CLAY-SILT WEIGHTS**

Filename: 20136215 - MDNR - Eisenheimer - (TK-T) - June 2013
 Total Number of Samples in this Report = 10
 Batch Number: 6215

Sample Number	Weight (g) of Archival Split				
	Total	Excess	Sieved Split		
			Total	<63 μ	>63 μ
			*		
TK0171T	490.9	311.9	179.0	42.4	136.6
TK0177T	385.2	185.8	199.4	41.2	158.2
TK0179T	467.5	290.7	176.8	47.1	129.7
TK0182T	439.1	253.8	185.3	37.8	147.5
TK0185T	377.3	248.2	129.1	50.8	78.3
TK0186T	359.0	181.2	177.8	35.5	142.3
TK0187T	398.4	207.5	190.9	46.6	144.3
TK0188T	480.2	261.1	219.1	58.1	161.0
TK0192T	481.1	320.5	160.6	37.1	123.5
TK0193T	416.0	241.1	174.9	67.3	107.6

* <63 μ clay + silt fraction sent to Actlabs for analysis.