

OVERBURDEN DRILLING MANAGEMENT LIMITED
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DATA TRANSMITTAL REPORT

DATE: 24-Jun-10
 ATTENTION: **Mr. Donald Elsenheimer**
 CLIENT: **Minnesota Department of Natural Resources**
 500 Lafayette Rd
 St. Paul, MN
 55155-4045 USA
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NO. OF PAGES: _____
 PROJECT: **Bigfork Greenstone Belt**
 FILE NAME: **MDNR - Elsenheimer (BF-BFT) - Jun 2010**
 SAMPLE NUMBERS: **BF-103,105 to 108, 110, 112 to 116, 119, 120, 122, 125 to 128 and 131 and BFT-22**
 BATCH NUMBER: **4986**
 NO. OF SAMPLES: **19**
 THESE SAMPLES WERE PROCESSED FOR: **GOLD HMCs**

- SPECIFICATIONS:
 1. Submitted by client: ±15 kg till and sand/gravel samples.
 2. Heavy liquid separation specific gravity: 3.20.

REMARKS: _____

 Remy Huneault, P.Geol.
 Laboratory Manager

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

**OVERBURDEN DRILLING MANAGEMENT LIMITED
GOLD GRAIN SUMMARY**

Project: Bigfork Greenstone Belt

Filename: MDNR - Elsenheimer (BF-BFT) - Jun 2010

Total Number of Samples in this Report = 19

Batch Number: 4986

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
BF-103	6	3	3	0	23.3	118	29	89	0
BF-105	36	29	5	2	57.2	413	397	14	2
BF-106	10	7	3	0	23.4	45	44	1	0
BF-107	8	6	2	0	20.2	22	21	1	0
BF-108	8	8	0	0	45.3	156	156	0	0
BF-110	2	1	0	1	47.1	1	1	0	1
BF-112	1	0	1	0	6.7	29	0	29	0
BF-113	15	13	1	1	32.1	241	240	1	1
BF-114	5	5	0	0	18.1	68	68	0	0
BF-115	17	17	0	0	43.0	114	114	0	0
BF-116	14	13	1	0	12.3	165	165	<1	0
BF-119	16	16	0	0	35.8	3540	3540	0	0
BF-120	6	6	0	0	41.2	789	789	0	0
BF-122	6	6	0	0	40.8	141	141	0	0
BF-125	0	0	0	0	24.7	0	0	0	0
BF-127	3	2	0	1	34.7	5	5	0	1
BF-128	17	12	4	1	31.4	71	50	21	<1
BF-131	40	19	20	1	45.3	292	271	20	2
BFT-22	5	2	2	1	22.0	142	137	5	<1

* 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**

Project: Biotork Greenstone Belt
 Filename: MDNR - Eisenheimer (BF-BFT) - Jun 2010
 Total Number of Samples in this Report = 19

Batch Number: 4986

Sample Number	Panned Yes/No	Dimensions (microns)			Number of Visible Gold Grains				Normal HMC Weight (g)	Calculated v.G. Assay in HMC (ppb)	Remarks
		Thickness	Wash	Length	Reshaped	Modified	Prisms	Total			
BF-103	No	3 C	15	15	1				2		
		5 C	25	25	1				1		
		10 C	50	50			1		1		
		25 M	50	150			1		1		
		15 C	75	75			1		1		
								6	23.3	118	
BF-105	Yes	3 C	15	15	2		1		3		3 grains pyrite (25-50µm).
		5 C	25	25	3		1		6		
		8 C	25	50	5		1		7		
		10 C	25	75	3				3		
		10 C	50	50	6				6		
		13 C	50	75	3				3		
		15 C	75	75	1		1		2		
		18 C	75	100	1				1		
		22 C	75	150	1				1		
		25 M	75	100	1				1		
		50 M	75	100	1				1		
		50 M	125	150	1				1		
		25 M	150	150	1				1		
								36	57.2	413	
BF-106	No	3 C	15	15			3		3		
		5 C	25	25	1				1		
		8 C	25	50	3				3		
		10 C	50	50	2				2		
		13 C	50	75	1				1		
								10	23.4	45	
BF-107	No	3 C	15	15			2		2		
		5 C	25	25	3				3		
		8 C	25	50	2				2		
		10 C	25	75	1				1		
								8	20.2	22	
BF-108	No	3 C	15	15	1				1		
		5 C	25	25	3				3		
		15 C	75	75	1				1		
		18 C	75	100	1				1		
		20 C	75	125	1				1		
		27 C	100	175	1				1		
								8	45.3	156	
BF-110	No	5 C	25	25	1				2		
								1	2	47.1	1
BF-112	No	10 C	50	50			1		1		
									1	6.7	29
BF-113	Yes	5 C	25	25			1		2		4 grains pyrite (25-100µm).
		8 C	25	50	4				4		
		10 C	50	50	2				2		
		13 C	50	75	2				2		
		15 C	75	75	2				2		
		18 C	75	100	2				2		
		25 M	100	150	1				1		
								15	32.1	241	
BF-114	No	3 C	15	15	1				1		
		5 C	25	25	1				1		
		10 C	50	50	1				1		
		13 C	50	75	1				1		
		15 C	50	100	1				1		
								5	18.1	68	
BF-115	Yes	3 C	15	15	2				2		No sulphides.
		5 C	25	25	4				4		
		8 C	25	50	4				4		
		10 C	25	75	1				1		
		10 C	50	50	2				2		
		13 C	50	75	1				1		
		18 C	75	100	2				2		
		20 C	100	100	1				1		
								17	43.0	114	
BF-116	Yes	3 C	15	15	2		1		3		2 grains pyrite (50-75µm).
		5 C	25	25	3				3		
		8 C	25	50	2				2		
		10 C	25	75	2				2		
		10 C	50	50	2				2		
		13 C	50	75	1				1		
		15 C	75	75	1				1		
								14	12.3	165	
BF-119	Yes	13 C	50	75	2				2		1 grain pyrite (300µm).
		25 M	75	75	2				2		
		25 M	75	150	1				1		
		25 M	100	150	1				1		
		25 M	100	200	1				1		
		75 M	100	350	1				1		
		25 M	125	200	1				1		
		50 M	125	200	2				2		
		50 M	125	250	1				1		
		25 M	150	250	1				1		
		25 M	200	200	1				1		
		25 M	200	250	1				1		
		50 M	200	300	1				1		
								16	35.8	3540	
BF-120	No	5 C	25	25	1				1		
		10 C	25	75	1				1		
		50 M	75	250	1				1		
		25 M	100	150	2				2		
		50 M	220	200	1				1		
								6	41.2	789	
BF-122	No	8 C	25	50	2				2		
		10 C	25	75	1				1		
		13 C	50	75	1				1		
		22 C	75	150	1				1		
		25 C	100	150	1				1		
								6	40.8	141	
BF-125	No	NO VISIBLE GOLD									
BF-127	No	5 C	25	25				1	1		
		8 C	25	50	2				2		
								3	34.7	5	
BF-128	Yes	3 C	15	15	2		3	1	6		1 grain pyrite (125µm).
		5 C	25	25	4				4		
		8 C	25	50	3				3		
		10 C	50	50	1				1		
		13 C	50	75	1				1		
		15 C	50	100	1		1		1		
								1			
								17	31.4	71	
BF-131	Yes	3 C	15	15	2		6		8		No sulphides.
		5 C	25	25	6				13		
		8 C	25	50	3		1		10		
		10 C	50	50	1				2		
		15 C	50	100	4				4		
		18 C	75	100	1				1		
		25 M	75	150	1				1		
25 M	150	200	1				1				
								40	45.3	292	
BFT-22	No	3 C	15	15				1	1		
		5 C	25	25			1		1		
		8 C	25	50	1				2		
		25 M	100	150	1				1		
								5	22.0	142	

**OVERBURDEN DRILLING MANAGEMENT LIMITED
LABORATORY ABBREVIATIONS**

SEDIMENT LOG

<p>Largest Clasts Present: G: Granules P: Pebbles C: Cobbles</p> <p>Clast Composition: V/S: Volcanics and/or sediments GR: Granitics LS: Limestone, carbonates OT: Other Lithologies (refer to footnotes) TR: Only trace present NA: Not applicable OX: Very oxidized, undifferentiated</p> <p>Matrix Grain Size Distribution: S/U: Sorted or Unsorted SD: Sand (F: Fine; M: Medium; C: Coarse) ST: Silt CY: Clay Y: Fraction present +: Fraction more abundant than normal -: Fraction less abundant than normal N: Fraction not present</p>	<p>Matrix Organics: ORG: Y: Organics present in matrix N: Organics absent or negligible in matrix +: Matrix is mainly organic</p> <p>Matrix Colour: Primary: BE: Beige GY: Grey GB: Grey-beige GN: Green GG: Grey-green PP: Purple PK: Pink PB: Pink-Beige Secondary (soil): OC: Ochre BN: Brown BK: Black</p> <p>Secondary Colour Modifier: L: Light M: Medium D: Dark</p>
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GOLD GRAIN LOG

<p>Thickness: VG: Visible gold grains M: Actual measured thickness of grain (microns) C: Thickness of grain (microns) calculated from measured width and length</p>

KIM (kimberlite indicator mineral) LOG

<p>GP: Purple to red peridotitic garnet (G9/10 Cr-pyrope) GO: Orange mantle garnet; includes both eclogitic pyrope-almandine (G3) and Cr-poor megacrystic pyrope (G1/G2) varieties; may include unchecked (by SEM) grains of common crustal garnet (G5) lacking diagnostic inclusions or crystal faces DC: Cr-diopside; distinctly emerald green (paler emerald green low-Cr diopside picked separately) IM: Mg-ilmenite; may include unchecked (by SEM) grains of common crustal ilmenite lacking diagnostic inclusions or crystal faces CR: Chromite FO: Forsterite</p>

**MMSIM (metamorphosed or magmatic massive sulphide indicator mineral)
and PCIM (porphyry Cu indicator mineral) LOGS**

Adr: Andradite	Cr: Chromite	Ky: Kyanite	Sil: Sillimanite	Ttn: Titanite
Ap: Apatite	Fay: Fayalite	Mz: Monazite	Spi: Spinel	
Ase: Anatase	Gh: Gahnite	Ol: Olivine	Sps: Spessartine	
Ax: Axinite	Gr: Grossular	Opx: Orthopyroxene	St: Staurolite	
Cpy: Chalcopyrite	Gth: Goethite	Py: Pyrite	Tm: Tourmaline	

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