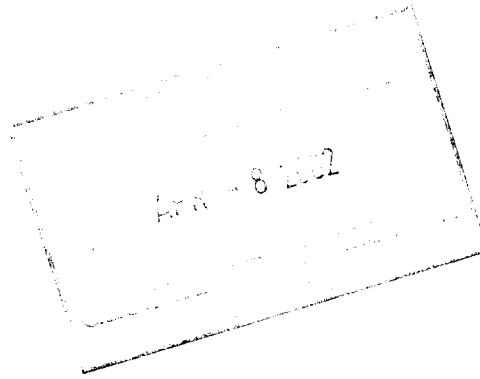


**Falconbridge Limited**

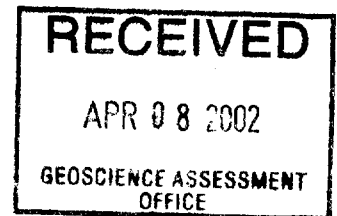
Diamond Drilling Report

on the

Dundonald Property



2. 234 08



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Consultant  
April, 2002



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## **1.0 Introduction**

Bradley Bros. Limited was contracted by Hucamp Mines Ltd. to diamond drill 14 holes on the Dundonald property located in Dundonald and Clergue Townships, Porcupine Mining Division, District of Cochrane. The Dundonald property is approximately 45 kilometres northeast of the City of Timmins and 15 kilometres southwest of the Town of Iroquois Falls. The property consists of a combination of surface and mineral rights that are currently under option to Hucamp Mines Limited from Falconbridge Limited.

A total of 2043 metres of NQ diamond drilling was completed in 14 diamond drill holes between April 9 and May 16, 2001. The core was logged by Hucamp personnel at the MPH office in Porcupine, Ontario and has been transported and stored on the Alexo property approximately 4 kilometres from the Dundonald property.

Nickel, Cu, Co, Pt, Pd, and Au analyses were completed on all sulphide intersections within the komatiitic rocks and Pt, Pd and Au (with a few selected samples analyzed for Cu) analyses on samples within the Dundonald Sill.

## **2.0 Location and Access**

The Dundonald property is approximately 45 kilometres northeast of the City of Timmins and 15 kilometres southwest of the Town of Iroquois Falls. The property is located within 2 kilometres of Highway 67, a paved roadway that connects Highways 101 and 11. A gravel road extends south from the highway onto the northern and western portions of the property. Another gravel road further to the east accesses the eastern and southern portion of the property. Electrical lines are located less than 2 kilometres north of the property boundary running parallel to Highway 67. In addition, the Ontario Northland Railway, servicing the Kidd Creek Metsite, is 2 kilometres north of the property and joins the main line approximately 5 kilometres to the east at Porquois Junction.

## **3.0 Topography, Vegetation, and Water Availability**

The area is well drained with low to moderate topographic relief. Large outcrop ridges of intermediate volcanics and gabbros dominate the centre of the property and are surrounded by sand plains and muskeg swamp. Outcrops represent approximately 5% of the property. Vegetation varies from mixed deciduous forests to black spruce and alder swamps. Trees include jack pine, aspen, birch, and scrub maple on the well drained outcrops and sand plains to muskeg swamp with black spruce, cedars, and alders. The availability of water on the property is good due to the presence of several beaver ponds and pits within the property boundaries.

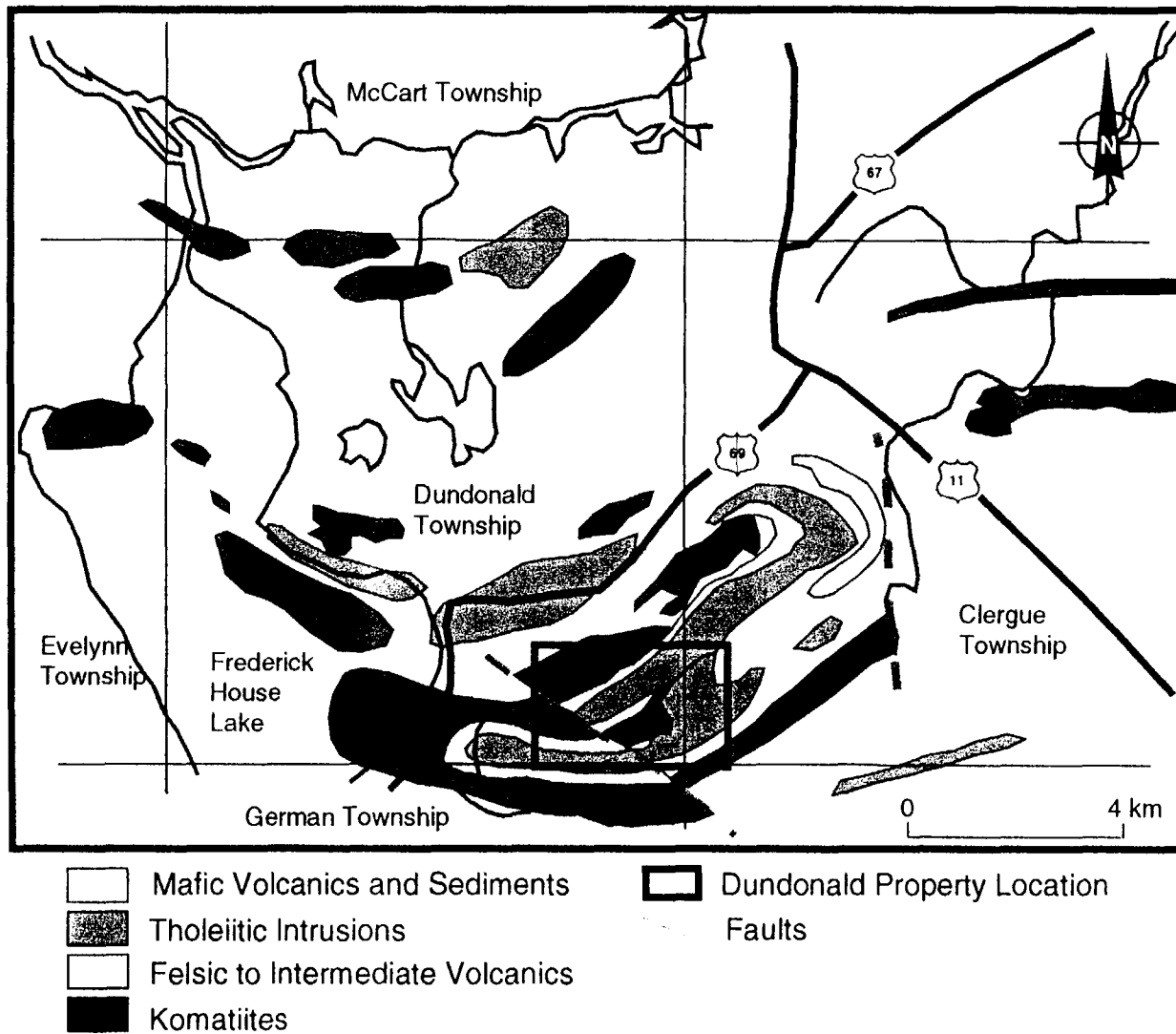


Figure 1: Geological map of Dundonald Township area showing major lithological units and property location (adapted from Jackson and Fyon, 1991).



LOT 5

LOT 4

LOT 3

LOT 2

LOT 1

LOT 12

LOT 11

LOT 10

DUNDONALD  
TWP.

CLERGUE  
TWP.

CONC. III

12697

L.71015

L.71016

P.1133283

P.1127895

L.71017

L.71006

L.71007

L.71193

L.71013

L.71014

P.292050

CONC. II

P.1127896

L.71018

L.71005

L.71194

L.71011

L.71012

L.74882

P.292051

P.292052

8345 SEC

L.71004

L.71008

L.71010

L.74884

L.74883

P.1128060

P.1128064

P.1113612

P.1113613

L.76533

L.74888

L.74887

L.74886

L.74885

P.1128061

P.1128065

P.1113615

P.1113614

P.292763

L.76628

L.76629

L.76630

795 SEC

P.1113207

P.1113215

0 500m

P.1113229

P.1113216

CONC. I

# FALCONBRIDGE LIMITED: DUNDONALD PROPERTY MAP

#### **4.0 Property**

The property consists of 3 patented, 38 leased and 15 unpatented contiguous mining claims representing 951 hectares in Dundonald and Clergue Townships. The patents, leases and unpatented mining claims have been compiled by Falconbridge over the last 40 years. A list of the patents, leases and claims is appended to the back of this report.

#### **5.0 Regional Geology**

The rocks contained within Dundonald and Clergue Township have been interpreted to be part of the Kidd-Munro assemblage. Jackson and Fyon (1991) describe the Kidd-Munro assemblage as an east-southeast striking zone that extends from Kidd Township in the west to the Grenville Front in Quebec. The Kidd-Munro assemblage ranges in age from 2717 Ma to 2711 Ma (Corfu, 1993).

The Kidd-Munro assemblage comprises a wide range of volcanic rocks including: komatiitic dunites, peridotites, pyroxenites, and basalts; magnesium and iron-rich tholeiitic basalts; tholeiitic picrites; high-aluminum basalts; high phosphorous andesites; and high silica rhyolites. Sedimentary rocks tend to be restricted to thin interflow graphitic argillites with varying amounts of cherty material and sulphides. A wide range of intrusive rocks occur within the Kidd-Munro assemblage and include: differentiated tholeiitic and komatiitic sills; intermediate to felsic plutons, and abundant late diabase dykes.

Lower greenschist facies metamorphism dominates the Kidd-Munro assemblage with isolated windows of prehnite-pumpellyite facies metamorphism and amphibolite facies contact metamorphism around the intrusions. Chlorite is the most common mineral associated with metamorphism with lesser amounts of muscovite, hematite, albite, and quartz. Ultramafic rocks are dominated by serpentine alteration, which is typically pervasive and is accompanied by many other alteration minerals including magnetite, calcite, tremolite, and chlorite.

#### **6.0 Property Geology**

The Dundonald property is located in the central-western portion of the Kidd-Munro assemblage. The stratigraphic succession on the Dundonald property is fairly complex consisting of a late differentiated tholeiitic intrusion which intrudes a sequence of komatiitic volcanic rocks separated by calc-alkaline volcanic rocks. There appears to be at least 4 separate komatiitic sequences within the property boundaries. The volcanic rocks have been folded about a northeast trending fold axis. The volcanics strike roughly northeast-southwest and dips steeply to the north or south depending on the position within the fold. Topping directions also support the presence of a large fold with tops to both the north and south depending on the location in relation to the fold.

The calc-alkaline volcanic rocks range in composition from rhyolites to basalts. The volcanic rocks are a combination of complex flows that range in texture from pillowed, fragmental, hyaloclastic, and massive flows. The flows vary laterally from massive to fragmental and changes over a relatively short strike length. Individual flows can be traced for 10's to 100's of metres. The calc-alkaline volcanic rocks contain varying proportions of pyrite and pyrrhotite representing up to 40% of the unit. Minor amounts of interflow graphitic argillitic sediments can be traced for several 10's of metres along strike and contain upwards of 20% pyrite and pyrrhotite, occasionally with trace chalcopyrite.

The komatiitic rocks range in composition from komatiitic basalts to dunites. The komatiitic sequences contain multiple flows within each sequence. Flow units can range from several hundreds of metres to less than 2 metres in thickness. The komatiitic rocks are composed of rubbly flow tops, spinifex-textured zones, olivine orthocumulate, mesocumulate, and adcumulate. Not all of the flows contain all of the textures described. Thin interflow, graphitic argillites occur between the thinner komatiitic spinifex-textured flows. Flows with a basaltic or pyroxenitic composition tend to alter to chlorite-tremolite rocks and flows with a dominantly olivine composition alter to mainly serpentine and magnetite. Large accumulations of olivine mesocumulate to adcumulate within the komatiitic sequences tend to indicate the presence of possible thermal erosion channels.

The thick differentiated tholeiitic intrusion varies in composition (base to top) from a peridotitic to dunitic olivine mesocumulate to adcumulate grading to a pyroxenitic cumulate which contains primarily diopside with phenocrysts of olivine that grades into a thick sequence of fine grained to coarse grained gabbros.

## **7.0 Diamond Drilling**

Fourteen diamond drill holes representing a total of 2043 metres were drilled on the Dundonald property from April 2001 to May 2001 (table 1). Diamond drilling consists of mainly NQ drill core with some BQ drill core where necessary to get through bad ground conditions. Please refer to Appendix 1 for a summary of drill logs and header pages.

## **8.0 Assay Analysis**

A total of 320 samples have been sent for assay analysis for Ni, Cu, Co, Pt, Pd, and Au or Pt, Pd and Au. Cumulate pyroxenites within the Dundonald Sill were sampled for Pt, Pd and Au, even where no visible sulphides were observed. Please refer to the appendix for a complete listing of the assay results.

Hole #	Easting (UTM)	Northing (UTM)	Azimuth (degrees)	Dip (degrees)	Elevation (m)	Depth (m)
HUF-1-01	513150	5388017	155	-45	305	149
HUF-2-01	513211	5388031	155	-45	305	89
HUF-3-01	511255	5386339	360	-45	303	125
HUF-4-01	511163	5386321	360	-45	305	125
HUF-5-01	511059	5386334	360	-45	299	122
HUF-6-01	511063	5386419	360	-45	296	125
HUF-7-01	511489	5386284	360	-60	297	206
HUF-8-01	511489	5386284	360	-55	297	182
HUF-9-01	511514	5386276	360	-50	292	188
HUF-9a-01	511505	5386276	360	-50	292	19
HUF-10-01	511514	5386276	360	-58	292	197
HUF-11-01	513255	5386840	020	-45	300	149
HUF-12-01	513288	5386914	020	-45	300	251
HUF-13-01	513276	5386881	200	-45	300	116

Table 1: Diamond Drill Hole Summary.

## 9.0 Results and Conclusions

The diamond drill hole program completed on the Dundonald property was successful in reaching or exceeding the preliminary expectations of the program. Only a few of the holes encountered bad ground conditions that slowed progress and resulted in the abandoning of a single drill hole (HUF-9A-01).

Eleven drill holes focused on 3 areas were completed to test for the presence of Ni-Cu-PGE mineralization associated with the komatiitic stratigraphy in the area. HUF-01-01 and HUF-02-02 were drilled to test the western extension of known Ni mineralization along strike. The holes were successful in identifying low grade Ni mineralization within the komatiite stratigraphy. Four holes (HUF-03-01 to HUF-06-01) tested the western extension of the Dundonald South zone and intersected a similar volcanic stratigraphy but failed to intersect any anomalous mineralization. Five holes (HUF-07-01 to HUF-10-01) tested the known mineralization associated with the Dundonald South deposit. These holes successfully intersected the mineralized sequences and returned some of the best grades associated with the deposit. The continuous komatiite stratigraphy and the distribution of known Ni-Cu-PGE zones within the area indicates there is a great potential to expand the existing resources and discover new Ni-Cu-PGE zones.

A fence of 3 holes (HUF-11-01 to HUF-13-01) was drilled through the Dundonald Sill along strike, north of the Mighty Pt-Pd zone. The holes successfully cross cut the intrusive stratigraphy and identified the reef style Pt-Pd mineralization. This indicates that the Pt-Pd mineralization is a regional mineralized



zone that can be expected to continue throughout the strike length of the Dundonald Sill and has been identified over 5 kilometres of strike.

#### **10.0 Recommendations**

Additional diamond drilling is recommended for the Dundonald property. The diamond drill program should be divided into two separate programs based on the anticipated results. The first program should be a definition drill program to expand on the currently identified Ni-Cu-PGE resources within the property boundaries. This program is drill intensive and would require a substantial capital expenditure to complete properly. The second program is a more property scale drill program designed to test the komatiite stratigraphy throughout the property. Targets would be selected based on the existing geophysical coverage and previous diamond drilling. Down hole pulse-EM is highly recommended for all diamond drill holes completed on the property.

## Appendix 1: Diamond Drill Hole Logs, Sections and Plan Maps

HOLE ID	LOCATION X	LOCATION Y	LOCATION Z	LENGTH	CORE_SIZE	START DATE	FINISH DATE	CASING	LOGGED BY	COMPANY	DRILLED BY	YEAR
HUF-01-01	513150	5388017	305	149	NQ	9/4/01	10/4/01	LEFT IN HOLE	K. MONTGOMERY	HUCAMP MINES	BRADLEY BROS.	2001
HUF-02-01	513211	5388031	305	89	NQ	11/4/01	12/4/01	LEFT IN HOLE	K. MONTGOMERY	HUCAMP MINES	BRADLEY BROS.	2001
HUF-03-01	511255	5386339	303	125	NQ	17/04/2001	18/04/2001	LEFT IN HOLE	K. MONTGOMERY	HUCAMP MINES	BRADLEY BROS.	2001
HUF-04-01	511163	5386321	305	125	NQ	18/04/2001	19/04/2001	LEFT IN HOLE	K. MONTGOMERY	HUCAMP MINES	BRADLEY BROS.	2001
HUF-05-01	511059	5386334	299	122	NQ	20/04/2001	23/04/2001	LEFT IN HOLE	K. MONTGOMERY	HUCAMP MINES	BRADLEY BROS.	2001
HUF-06-01	511063	5386419	296	125	NQ	23/04/2001	25/04/2001	LEFT IN HOLE	K. MONTGOMERY	HUCAMP MINES	BRADLEY BROS.	2001
HUF-07-01	511489	5386299	297	206	NQ	26/04/2001	28/04/2001	LEFT IN HOLE	K. MONTGOMERY	HUCAMP MINES	BRADLEY BROS.	2001
HUF-08-01	511489	5386299	297	182	NQ	28/04/2001	1/5/01	LEFT IN HOLE	K. MONTGOMERY	HUCAMP MINES	BRADLEY BROS.	2001
HUF-09A-01	511505	5386276	292	19	NQ	1/5/01	1/5/01	PULLED	K. MONTGOMERY	HUCAMP MINES	BRADLEY BROS.	2001
HUF-09-01	511505	5386283	292	188	NQ	1/5/01	3/5/01	LEFT IN HOLE	K. MONTGOMERY	HUCAMP MINES	BRADLEY BROS.	2001
HUF-10-01	511505	5386283	292	197	NQ	3/5/01	05/05/01	LEFT IN HOLE	K. MONTGOMERY	HUCAMP MINES	BRADLEY BROS.	2001
HUF-11-01	513255	5386840	300	149	NQ	07/05/01	09/05/01	LEFT IN HOLE	K. MONTGOMERY	HUCAMP MINES	BRADLEY BROS.	2001
HUF-12-01	513288	5386914	300	251	NQ	10/5/01	14/05/01	LEFT IN HOLE	K. MONTGOMERY	HUCAMP MINES	BRADLEY BROS.	2001
HUF-13-01	513276	5386881	300	116	NQ/BQ	15/05/01	16/05/01	LEFT IN HOLE	K. MONTGOMERY	HUCAMP MINES	BRADLEY BROS.	2001

Hole #	From(Ft)	To(Ft)	From(m)	To(m)	Width(m)	HU Rock Code	Texture Code	Rock Type	% Sulphides	Description
HUF-01-01			0.00	7.00	7.00	Ovb		Overburden		0
HUF-01-01			7	24.5	17.50	KPd, S5	mc	Peridotite Flow		5 Massive, Fg mesocumulate
HUF-01-01			24.5	81	56.50	KDu, S2	adc	Dunite Flow		2 Serpentinized, adcumulate
HUF-01-01			81	83.9	2.90	KPx	mc/oc	Pyroxenite Flow		1 Massive, Fg meso to ortho
HUF-01-01			83.9	101.8	17.90	Ad	mass	Andesite		0 Massive
HUF-01-01			101.8	107.3	5.50	Ad, bx	mass	Andesite Breccia		3
HUF-01-01			107.3	149	41.70	Ad	mass	Andesite		0
HUF-02-01			0	10	10.00	Ovb		Overburden		0
HUF-02-01			10	14.5	4.50	KPd	mc	Peridotite Flow		0.5 Massive, Fg mesocumulate
HUF-02-01			14.5	19	4.50	KPd, S2	mc	Peridotite Flow		2 Vfg Po disseminations
HUF-02-01			19	20.55	1.55	KPd	mc	Peridotite Flow		0.5 Massive, Fg mesocumulate
HUF-02-01			20.55	26	5.45	KDu	adc	Dunite Flow		0.5 Serpentinized, adcumulate
HUF-02-01			26	34	8.00	KDu, S2	adc	Dunite Flow		2 Vfg Po blebs with trace Pent
HUF-02-01			34	60.5	26.50	KDu	adc	Dunite Flow		0.5 Serpentinized, adcumulate
HUF-02-01			60.5	69.5	9.00	KDu, S2	adc	Dunite Flow		2 Vfg Po diss with local blebs
HUF-02-01			69.5	78.8	9.30	KDu	adc	Dunite Flow		1 Serpentinized, adcumulate
HUF-02-01			78.8	84	5.20	KPd	mc	Peridotite Flow		0.5 Massive, Fg mesocumulate
HUF-02-01			84	86	2.00	KPx	mc/oc	Pyroxenite Flow		0.5 Massive, Fg meso to ortho
HUF-02-01			86	89	3.00	Ad	mass	Andesite		0 Massive
HUF-03-01			0	16	16.00	Ovb		Overburden		0
HUF-03-01			16	30.4	14.40	KPx, psx	psx	Pyroxenite Spinifex Flows		0 Pyroxene Spinifex
HUF-03-01			30.4	32.2	1.80	KPx, psx, S5	psx	Pyroxenite Spinifex Flows		5 Vfg Po disseminations
HUF-03-01			32.2	67.6	35.40	KPd	mass	Peridotite Flow		0 Massive, Fg mesocumulate
HUF-03-01			67.6	125	57.40	KPd, osx	osx/mc	Peridotite Spinifex Flows		0 Cg olivine spinifex/fg meso
HUF-04-01			0	7	7.00	Ovb		Overburden		0
HUF-04-01			7	20	13.00	KPx	adc	Pyroxenite Flow		0.5 Massive, Vfg adcumulate
HUF-04-01			20	34.3	14.30	KPx, psx, bx	psx	Pyroxenite brecciated Flows		0.5 Brecciated fg spinifex/ Vfg ad
HUF-04-01			34.3	55.4	21.10	KPx, psx	psx	Pyroxenite Spinifex Flows		0 Pyroxene Spinifex
HUF-04-01			55.4	88.6	33.20	KPd	mc	Peridotite Flow		0 Massive, Fg mesocumulate
HUF-04-01			88.6	125	36.40	KPd, osx	osx/mc	Peridotite Spinifex Flows		0 Cg olivine spinifex/fg meso
HUF-05-01			0	4.5	4.50	Ovb		Overburden		0
HUF-05-01			4.5	42.4	37.90	KBa	mass	Basalt		0 Graphitic crackle breccia
HUF-05-01			42.4	51.6	9.20	KPx, psx	psx	Pyroxenite Spinifex Flows		0 Pyroxene Spinifex
HUF-05-01			51.6	70.3	18.70	KPd	mc	Peridotite Flow		0 Massive, Fg mesocumulate
HUF-05-01			70.3	122	51.70	KPd, osx	osx/mc	Peridotite Spinifex Flows		0 Cg olivine spinifex/fg meso
HUF-06-01			0	10	10.00	Ovb		Overburden		0
HUF-06-01			10	67.2	57.20	KPd	mc	Peridotite Flow		0 Massive, Fg mesocumulate
HUF-06-01			67.2	70.5	3.30	KPx, psx	psx	Pyroxenite Spinifex Flow		0 Pyroxene Spinifex
HUF-06-01			70.5	93.7	23.20	KPd	mc	Peridotite Flow		0 Massive, Fg mesocumulate
HUF-06-01			93.7	98.8	5.10	KPd, osx	osx	Peridotite Spinifex Flow		0 Mg olivine spinifex
HUF-06-01			98.8	104	5.20	KPd	mc	Peridotite Flow		0 Massive, Fg mesocumulate
HUF-06-01			104	125	21.00	KPd, osx	osx/mc	Peridotite Spinifex Flows		0 Cg olivine spinifex/fg meso
HUF-07-01			0	16	16.00	Ovb		Overburden		0
HUF-07-01			16	23.5	7.50	KPx, bx	aph	Pyroxenite brecciated Flow		0 Brecciated with local graphite
HUF-07-01			23.5	26.45	2.95	KPd	adc/mc	Peridotite Flow		0 adcumulate to mesocumulate
HUF-07-01			26.45	27.8	1.35	KPx, gbx, S3	aph	Pyroxenite brecciated Flow		2.5 Po diss and 5% silver graphite
HUF-07-01			27.8	28.8	1.00	Sg	mass	Graphite Zone		2 Po spheroids/ovals
HUF-07-01			28.8	29.5	0.70	KPx, bx	aph	Pyroxenite brecciated Flow		1
HUF-07-01			29.5	31.1	1.60	Sg, S5	mass	Graphite Zone		5 Po spheroids/ovals
HUF-07-01			31.1	32.4	1.30	KBa, gbx, S7	aph	Graphitic brecciated Basalt		7 Po diss
HUF-07-01			32.4	33.8	1.40	Sg, S5	mass	Graphite Zone		5 Po ovoids
HUF-07-01			33.8	35.55	1.75	KPx, gbx, S15	aph	Pyroxenite brecciated Flow		15 Po ovoids, grachite matrix
HUF-07-01			35.55	36.1	0.55	Sg, S5	mass	Graphite Zone		5 Po spheroids/ovals
HUF-07-01			36.1	42.1	6.00	KPx	aph	Pyroxenite Flow		0
HUF-07-01			42.1	44.3	2.20	KPd, S5	mc	Peridotite Flow		5 Po diss
HUF-07-01			44.3	59	14.70	KPd	mc	Peridotite Flow		0 Massive, Fg mesocumulate
HUF-07-01			59	62	3.00	KPd, g, S3	mc	Graphitic Peridotite		3 Po blebs to frags
HUF-07-01			62	64.3	2.30	KPd, bx, srs	mc	Peridotite brecciated Flow		1 serpentine spherules
HUF-07-01			64.3	65.8	1.50	KPd, S2	mc	Peridotite Flow		2 Po diss
HUF-07-01			65.8	74	8.20	KPd	mc	Peridotite Flow		0 Massive, Fg mesocumulate
HUF-07-01			74	82	8.00	KPx, psx	psx	Pyroxenite Spinifex Flow		0 Pyroxene Spinifex
HUF-07-01			82	85.5	3.50	KPd, srs, S2	adc	Peridotite Flow		2 serpentine spherules
HUF-07-01			85.5	89.8	4.30	KPd, S2	mc	Peridotite Flow		2 Po diss
HUF-07-01			89.8	92.85	3.05	KPd, g, S3	mc	Graphitic Peridotite		3 Po diss
HUF-07-01			92.85	93.5	0.65	KPd, srs, S2	adc	Peridotite Flow		2 serpentine spherules
HUF-07-01			93.5	102.45	8.95	KPd	mc	Peridotite Flow		0 Massive, Fg mesocumulate
HUF-07-01			102.45	136.5	34.05	KDu	adc	Dunite Flow		0 Serpentinized, adcumulate
HUF-07-01			136.5	140.55	4.05	KPd, S2	mc	Peridotite Flow		2 Massive, Fg mesocumulate
HUF-07-01			140.55	141.25	0.70	Semi-massive	aph	Semi-massive Zone		25 Po angular blocks with pent
HUF-07-01			141.25	142.3	1.05	KPx, bx	aph	Pyroxenite brecciated Flow		0 Crackle breccia
HUF-07-01			142.3	175.05	32.75	KPx	aph	Pyroxenite Flow		0
HUF-07-01			175.05	176	0.95	KPx, psx	psx	Pyroxenite Spinifex Flows		0 Pyroxene Spinifex
HUF-07-01			176	189.5	13.50	KPd, S2	mc	Peridotite Flow		2 Massive, Fg mesocumulate
HUF-07-01			189.5	194.5	5.00	KPd	adc	Peridotite Flow		0 Massive, Vfg adcumulate
HUF-07-01			194.5	201.5	7.00	KPx	oc	Pyroxenite Flow		0 Massive, Fg, orthocumulate
HUF-07-01			201.5	206	4.50	KPx, S2	mc	Pyroxenite Flow		2 Massive, Fg mesocumulate
HUF-08-01			0	17	17.00	Ovb		Overburden		0
HUF-08-01			17	22.8	5.80	KPx, bx	aph	Pyroxenite brecciated Flow		0
HUF-08-01			22.8	26.2	3.40	Sg, bx, S7	aph	Graphite-basalt Breccia		7 Po diss, blebs
HUF-08-01			26.2	28.05	1.85	KBa, gbx, S10	aph	Graphite-basalt Breccia		10 Po diss, blebs & 40% graphite

HUF-08-01	28.05	29.5	1.45 Sg, S7	mass	Graphite Zone	7 Po spheroids/ovals
HUF-08-01	29.5	30.2	0.70 KPx, gbx, S5	aph	Pyroxenite brecciated Flow	5 Graphitic crackle breccia
HUF-08-01	30.2	31.2	1.00 Sg, S3	mass	Graphite Zone	3 Po spheroids/ovals
HUF-08-01	31.2	35.7	4.50 KPx, gbx, S10	aph	Pyroxenite brecciated Flow	10 Graphitic crackle breccia
HUF-08-01	35.7	36.15	0.45 Sg, S3	mass	Graphite Zone	3 Po spheroids/ovals
HUF-08-01	36.15	41	4.85 KPd, S4	mc	Pendotite Flow	4 Po very finely disseminated
HUF-08-01	41	50.5	9.50 KPd	mc	Pendotite Flow	0 Massive, Fg mesocumulate
HUF-08-01	50.5	54.7	4.20 KPd, S2	mc	Pendotite Flow	2 Po diss to smears in fractures
HUF-08-01	54.7	56.1	1.40 KPx, bx	aph	Pyroxenite brecciated Flow	3 Po diss
HUF-08-01	56.1	56.8	0.70 KPx, osx	osx	Pyroxenite Spinifex Flows	1 Olivine Spinifex
HUF-08-01	56.8	58.3	1.50 KPx, g, srs	mc	Pyroxenite Flow	1 20% silver graphite fragments
HUF-08-01	58.3	62.1	3.80 KPd	mc	Pendotite Flow	0 Massive, Fg mesocumulate
HUF-08-01	62.1	70.2	8.10 KPx	oc/aph	Pyroxenite Flow	0.5 Massive Vfg orthocumulate
HUF-08-01	70.2	70.75	0.55 KPx, gbx	aph	Pyroxenite brecciated Flow	0 25% graphite frags to bands
HUF-08-01	70.75	76.5	5.75 KPx, psx	psx	Pyroxenite Spinifex Flows	0 Pyroxene Spinifex
HUF-08-01	76.5	81.7	5.20 KPd	mc/adc	Pendotite Flow	0
HUF-08-01	81.7	82.6	0.90 KPd, srs	adc	Pendotite Flow	0 5% serpentine spheres
HUF-08-01	82.6	89.3	6.70 KPd	mc/adc	Pendotite Flow	0
HUF-08-01	89.3	92.15	2.85 KPd, srs, S2	mc	Pendotite Flow	2 Po in 5% serpentine spheres
HUF-08-01	92.15	98.8	6.65 KPd	mc/adc	Pendotite Flow	0
HUF-08-01	98.8	129.6	30.80 KDd	adc	Dunite Flow	0 Serpentinized, adcumulate
HUF-08-01	129.6	132.3	2.70 KPd	mc	Pendotite Flow	0 Massive, Fg mesocumulate
HUF-08-01	132.3	133	0.70 KPx, S8	aph	Pyroxenite Flow	8 Po diss to ovoids
HUF-08-01	133	133.4	0.40 Semi-massive	aph	Semi-massive Zone	60 Po with 40% pyroxenite frags
HUF-08-01	133.4	134	0.60 KPx, bx, S25	aph	Sulphidic Pyroxenite Breccia	25 Py infilling fracturing
HUF-08-01	134	167.2	33.20 KPx	mass	Pyroxenite Flow	0
HUF-08-01	167.2	169.6	2.40 KPx, psx	psx	Pyroxenite Spinifex Flows	0 Pyroxene Spinifex
HUF-08-01	169.6	173.25	3.65 KPx	mass	Pyroxenite Flow	0
HUF-08-01	173.25	173.65	0.40 Semi-massive	aph	Semi-massive Zone	50 Po with 40% pyroxenite frags
HUF-08-01	173.65	174.5	0.85 KPx, S20	oc	Pyroxenite Flow	20 Po blobs and patches
HUF-08-01	174.5	177.8	3.30 KPx, S4	oc	Pyroxenite Flow	4 Po diss and wisps
HUF-08-01	177.8	179	1.20 KPx, psx	psx	Pyroxenite Spinifex Flows	2 Pyroxene Spinifex
HUF-08-01	179	182	3.00 KPx, psx, bx	psx	Pyroxenite brecciated Flow	7 Po diss in Pyroxene Spinifex
HUF-09A-01	0	4	4.00 Ovb		Overburden	0
HUF-09A-01	4	6.9	2.90 Ad, bx, p	mass	Andesite Breccia	4 Feldspar porphyritic
HUF-09A-01	6.9	14.9	8.00 Ba, bx, g	mass	Graphitic Basalt Breccia	1 15% graphite fractures
HUF-09A-01	14.9	17	2.10 FZ		Fault Zone	0 Fault gouge then Ba, bx
HUF-09A-01	17	19	2.00 KPx	oc	Pyroxenite Flow	2
HUF-09-01	0	13	13.00 Ovb		Overburden	0
HUF-09-01	13	28.7	15.70 KPx/KPd	mc	Pyroxenite/Pendotite Flow	0 mesocumulate, Po at contact
HUF-09-01	28.7	29.8	1.10 KPx, psx	psx	Pyroxenite Spinifex Flows	2 Pyroxene Spinifex
HUF-09-01	29.8	34	4.20 KPx	aph	Pyroxenite Flow	0
HUF-09-01	34	36.3	2.30 KPx, S6	aph	Pyroxenite Flow	6 Po diss to blebs, local graphite
HUF-09-01	36.3	37.7	1.40 Sg, S5	mass	Graphite Zone	5 Po spheroids/ovals
HUF-09-01	37.7	42.9	5.20 KPx, osx	aph	Pyroxenite Spinifex Flows	0 Olivine Spinifex (12%)
HUF-09-01	42.9	54.75	11.85 KPd, g, S3	mc	Graphitic Pendotite	3 Po blebs to frags
HUF-09-01	54.75	60.4	5.65 KPx	aph	Pyroxenite Flow	0
HUF-09-01	60.4	64.4	4.00 KPx, osx	osx	Pyroxenite Spinifex Flows	0 Olivine Spinifex (50%)
HUF-09-01	64.4	65	0.60 KPx	oc	Pyroxenite Flow	0 Olivine cumulate (60%)
HUF-09-01	65	70.9	5.90 KPx	aph	Pyroxenite Flow	0
HUF-09-01	70.9	74.2	3.30 KPd	mc	Pendotite Flow	0
HUF-09-01	74.2	75	0.80 KPd, g, S5	mc	Graphitic Pendotite Flow	5 Po blebs, 30% silver graphite
HUF-09-01	75	75.6	0.60 KPd, srs	mc	Pendotite Flow	2 5% serpentine spheres
HUF-09-01	75.6	79.7	4.10 KPd	mc	Pendotite Flow	0
HUF-09-01	79.7	102.8	23.10 KPd	adc	Pendotite Flow	0
HUF-09-01	102.8	130	27.20 KDd	adc	Dunite Flow	0 Serpentinized, adcumulate
HUF-09-01	130	133.5	3.50 KPd	adc	Pendotite Flow	0
HUF-09-01	133.5	140.3	6.80 KPd, S2	adc	Pendotite Flow	2 Po blebs
HUF-09-01	140.3	141.1	0.80 KPx	aph	Pyroxenite Flow	0
HUF-09-01	141.1	143.25	2.15 Massive	mass	Massive Sulphide Zone	85 Massive Po with 10-15% Pent
HUF-09-01	143.25	161	17.75 KPx	aph	Pyroxenite Flow	1 Possibly Basalt
HUF-09-01	161	163.8	2.80 KPx, S4	aph	Pyroxenite Flow	4 Po diss
HUF-09-01	163.8	165.5	1.70 Sg, S7	mass	Graphite Zone	7 Po ovoids
HUF-09-01	165.5	168	2.50 KPx	mass	Graphitic Pyroxenite	1 10% graphitic fractures
HUF-09-01	168	175.65	7.65 KPd, S5	mc	Pendotite Flow	5 Po diss
HUF-09-01	175.65	183.6	7.95 KPx, S2	aph/mc	Pyroxenite Flow	2 Po diss, local graphite shards
HUF-09-01	183.6	188	4.40 KPx, psx	psx	Pyroxenite Spinifex Flows	0 Pyroxene Spinifex (10-25%)
HUF-10-01	0	13	13.00 Ovb		Overburden	0
HUF-10-01	13	29.8	16.80 KPx/KPd	mc	Pyroxenite/Pendotite Flow	0 mesocumulate, Po at contact
HUF-10-01	29.8	36	6.20 KPx	aph	Pyroxenite Flow	0 local spinifex
HUF-10-01	36	39	3.00 KPx, S4	aph	Pyroxenite Flow	4 Po diss to blebs, local graphite
HUF-10-01	39	42.5	3.50 Sg, S7	mass	Graphite Zone	7 Po ovoids to large blebs
HUF-10-01	42.5	45.7	3.20 KPx, psx	psx	Pyroxenite Spinifex Flows	0 Pyroxene Spinifex (15%)
HUF-10-01	45.7	59.2	13.50 KPd	mc	Pendotite Flow	0
HUF-10-01	59.2	67.6	8.40 KPx	aph	Pyroxenite Flow	0
HUF-10-01	67.6	70.2	2.60 KPx, S8	aph	Pyroxenite Flow	8 Po blebs & diss in graph frags
HUF-10-01	70.2	77	6.80 KPx, psx	psx	Pyroxenite Spinifex Flows	0 Pyroxene Spinifex (15%)
HUF-10-01	77	108.1	31.10 KPd	mc	Pendotite Flow	0
HUF-10-01	108.1	143	34.90 KDd	adc	Dunite Flow	0 Serpentinized, adcumulate
HUF-10-01	143	146.1	3.10 KPd, S2	mc	Pendotite Flow	2 Po blebs
HUF-10-01	146.1	157.9	11.80 KPx, S2	aph	Pyroxenite Flow	2 Po diss to blebs, basalt

HUF-10-01	157.9	177	19.10 KPx	aph	Pyroxenite Flow	1 Possibly Basalt
HUF-10-01	177	177.6	0.60 Sg	mass	Graphite Zone	1
HUF-10-01	177.6	180.1	2.50 KPx, S7	aph	Pyroxenite Flow	7 Po diss in fractures, Pent
HUF-10-01	180.1	182.5	2.40 KPd, S7	mc	Peridotite Flow	7 Po diss
HUF-10-01	182.5	189.6	7.10 KPd	mc	Peridotite Flow	0
HUF-10-01	189.6	190.2	0.60 Sg, bx, S2	mass	Graphite Breccia Zone	2 80% graphite frags in pyroxene
HUF-10-01	190.2	190.9	0.70 Massive	mass	Massive Sulphide Zone	75 Massive Po with 10-15% Pent
HUF-10-01	190.9	191.15	0.25 Sg, S20	mass	Graphite Zone	20 15% Po fractures & blebs
HUF-10-01	191.15	193.7	2.55 KPx	aph	Pyroxenite Flow	1
HUF-10-01	193.7	197	3.30 KPx, psx	psx	Pyroxenite Spinifex Flows	0 Pyroxene Spinifex (15%)
HUF-11-01	0	31	31.00 Ovb		Overburden	0
HUF-11-01	31	86.2	55.20 Px	mass	Pyroxenite Intrusion	0
HUF-11-01	86.2	114.5	28.30 Pd	mc	Peridotite Intrusion	0
HUF-11-01	114.5	149	34.50 Pd	mc	Peridotite Intrusion	0.5 Py disseminations
HUF-12-01	0	52	52.00 Ovb		Overburden	0
HUF-12-01	52	116.3	64.30 Pd	mc	Peridotite Intrusion	0
HUF-12-01	116.3	135	18.70 Px	mass	Pyroxenite Intrusion	0.1 Trace Py & Cpy
HUF-12-01	135	136.7	1.70 Px, S2	mass	Pyroxenite Intrusion	2 Po diss & trace Cpy
HUF-12-01	136.7	139.3	2.60 Pd	mc	Peridotite Intrusion	1 Po diss, snowflake oc patches
HUF-12-01	139.3	151.4	12.10 Px	mass	Pyroxenite Intrusion	0
HUF-12-01	151.4	160.6	9.20 Pd	mc	Peridotite Intrusion	0 snowflake oc patches
HUF-12-01	160.6	166.5	5.90 Px	mass	Pyroxenite Intrusion	0
HUF-12-01	166.5	171.25	4.75 Px	mass	Pyroxenite Intrusion	0.1 Trace Cpy
HUF-12-01	171.25	181	9.75 Px	mass	Pyroxenite Intrusion	0
HUF-12-01	181	187	6.00 Px	mass	Pyroxenite intrusion	0.1 Trace Cpy & Po
HUF-12-01	187	188.7	1.70 Px	mass	Pyroxenite Intrusion	0
HUF-12-01	188.7	194.8	6.10 Pd	mc	Peridotite Intrusion	0
HUF-12-01	194.8	218.9	24.10 Px	mass	Pyroxenite Intrusion	0
HUF-12-01	218.9	221	2.10 Pd	mc	Peridotite Intrusion	0 snowflake oc patches
HUF-12-01	221	234.2	13.20 Px	mass	Pyroxenite Intrusion	0
HUF-12-01	234.2	251	16.80 Pd	mc	Peridotite Intrusion	0.1 Tr Cpy, snowflake oc patches
HUF-13-01	0	34	34.00 Ovb		Overburden	0
HUF-13-01	34	56.2	22.20 Px	mass	Pyroxenite Intrusion	0
HUF-13-01	56.2	116	59.80 Px	mass	Pyroxenite Intrusion	0.5 Cpy diss & Po diss

HOLE ID	DISTANCE	AZIMUTH	DIP	TYPE
HUF-01-01	0	155	-45	
HUF-01-01	17		-44.3	E
HUF-01-01	56		-44.4	E
HUF-01-01	101	162.4	-44.6	E
HUF-01-01	149	162.5	-44.3	E
HUF-02-01	0	155	-45	
HUF-02-01	20		-46.9	E
HUF-02-01	71	160.4	-46.5	E
HUF-03-01	0	360	-45	
HUF-03-01	26	359.5	-45.2	E
HUF-03-01	71		-45.5	E
HUF-03-01	125	2.4	-45.8	E
HUF-04-01	0	360	-45	
HUF-04-01	17	359.5	-44.1	E
HUF-04-01	68		-44.9	E
HUF-04-01	125	2.7	-45.1	E
HUF-05-01	0	360	-47	
HUF-05-01	14	357.5	-47	E
HUF-05-01	71	357.5	-47.1	E
HUF-05-01	122	1	-47.3	E
HUF-06-01	0	360	-45	
HUF-06-01	20	2.4	-43.4	E
HUF-06-01	71	5.4	-43.4	E
HUF-06-01	125	1.4	-43.7	E
HUF-07-01	0	360	-60	
HUF-07-01	26	6.3	-59	E
HUF-07-01	77	8.7	-59.1	E
HUF-07-01	125		-59.2	E
HUF-07-01	182	3.8	-59.4	E
HUF-07-01	206	3.5	-59.6	E
HUF-08-01	0	360	-55	
HUF-08-01	26	357.4	-56.5	E
HUF-08-01	80		-56.7	E
HUF-08-01	182	4.7	-56.6	E
HUF-09A-01	0	360	-50	
HUF-09A-01	26	352.1	-50.3	E
HUF-09-01	0	360	-50	
HUF-09-01	26	352.4	-51.7	E
HUF-09-01	77		-51.2	E
HUF-09-01	128		-51.5	E
HUF-09-01	188	1.1	-51.6	E
HUF-10-01	0	360	-58	
HUF-10-01	26	359.5	-54.5	E
HUF-10-01	77	2.3	-55.5	E
HUF-10-01	185	1	-55.2	E
HUF-11-01	0	20	-45	
HUF-11-01	41	14.5	-47.3	E
HUF-11-01	92		-47.3	E
HUF-11-01	149		-47.4	E
HUF-12-01	0	20	-45	
HUF-12-01	62		-45.1	E
HUF-12-01	121	20.3	-45.8	E
HUF-12-01	167	22.7	-46.3	E
HUF-12-01	191		-46.9	E
HUF-13-01	0	200	-45	
HUF-13-01	50	199.8	-46.6	E





## DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY	NTS	CORE SIZE	CURVET DEPTH	DIP	AZIMUTH	Hole No. <u>KWF01-01</u> PAGE <u>27</u>
PROPERTY	DISTRICT	CONTRACTOR				COLLAR AZIMUTH
COMMENCED	TWP./LAT. LONG.	DATE LOGGED				COLLAR DIP
COMPLETED	CLAIM	LOGGED BY				ELEVATION
OBJECTIVE	CO-ORDINATES	DDH COMMENTS				LENGTH

INTERVAL		LITHO TYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS							
M <input type="checkbox"/>	R <input type="checkbox"/>			SAMPLE NO.	FROM	TO	LENGTH	% SUL	N	Ca	Co	Pt	Al		
			21.5-23 ALTERATION moderate pervasive red rod denitization which is intense from 22-22.2m.												
			21.5-24.5 MINERALIZATION: 2% sulphides same as 17.3-21.5m.	864423	21.5	23	1.5	1.5	2078	29	107				
			Lower contact gradational.	864424	23	24.5	1.5	2	4792	81	102				
24.5	81	Dunite Flows KDU	Bladdy green, vfg. homogenous, highly magnetic, porous massive dunite flows. They consist of 95% green serpentinized olivine cumulate grains rimmed by light green vfg. serpentine & chlorite and locally white devitrified glass matrix. Flows are cut by 5% serpentine hairline fractures which have black magnetite halos about the flows are also cut by very minor 2% white calcite - serpentine stringers. MINERALIZATION: 0.5-1% vfg. brown pyrrhotite, trace pentlandite mostly very finely disseminated to local blebs, local sections with 1.5-2% ALTERATION: moderate pervasive serpentinization 29-30 MINERALIZATION: 1.5% pentlandite + pyrrhotite as vfg. disseminations and local scattered VA blebs (2x5 mm size).	864425	24.5	26	1.5	0.5	2154	13	100				
				864426	26	27.5	1.5	0.5	2078	6	102				
				864427	27.5	29	1.5	1	3270	6	134				
				864428	29	30	1	1.5	2740	8	122				
				864429	30	33	3	0.5	2146	12	94				
				864430	33	35.5	2.5	0.5	1960	12	92	45	3		
				864431	35.5	36.5	1	1	1980	21	94				
				864432	36.5	38	1.5	0.5	1840	32	87				
				864433	38	41	3	0.5	2360	19	104				
				864434	41	44	3	1	4420	32	107				
				864435	44	45	1	2	2260	32	108				
				864436	45	46	1	2	2220	24	138				
				864437	46	49	3	0.5	2410	32	94				

# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY	NTS	CORE SIZE	SURVEY DEPTH	DIP	AZIMUTH	Hole No. HUF01-01	PAGE 37
PROPERTY	DISTRICT	CONTRACTOR				COLLAR AZIMUTH	
COMMENCED	TWP /LAT LONG	DATE LOGGED				COLLAR DIP	
COMPLETED	CLAIM	LOGGED BY				ELEVATION	
OBJECTIVE	CO-ORDINATES	DDH COMMENTS				LENGTH	

INTERVAL		LITHOLOGY	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE			ASSAYS						
M	Ft			FROM	TO	LENGTH	% SUL	Ni	Cu	Co	Pt	Pd	
			35.5-36.1 MINERALIZATION: 2% Same as above	864438	49	52	3	1	2660	80	121		
			44-46 MINERALIZATION: 3% Pyrrhotite - pentlandite very finely disseminated with local scattered blebs (1x3mm).	864439	52	53.5	1.5	4	1860	41	101		
			49.7 - Fault gouge.	864440	53.5	54.5	1	4	1740	46	89	B	9
			49-52 blocky core sections.	864441	54.5	57.5	3	1	2520	59	119		
			52-54.5 MINERALIZATION: 4% Same as 44-46	864442	57.5	59	1.5	1	2040	62	100		
			76.7 Fault gouge (10cm core length).	864443	59	60.5	1.5	1.5	1360	54	85		
			79.5-81 Blocky core, lower	864444	60.5	62	1.5	1.5	2320	73	143		
			Lower contact gradational grades into mesocumulate textured	864445	62	65	3	0.5	2960	89	125		
			79.5-81 Blocky core, lower	864446	65	68	3	1	2660	48	103		
			Lower contact gradational grades into mesocumulate textured	864447	68	71	3	1	2720	25	106		
				864448	71	74	3	1.5	2600	26	105		
				864449	74	77	3	0	2200	58	118		
81	83.9	Pyroxenite Flow Kpx	Grey, fg, homogenous, massive, non-magnetic mesocumulate pyroxenite flow. The pyroxenite consists of 65-60% olivine (upper portion) or pyroxene (lower portion) surrounded by white vfg devitrified glass matrix (mesocumulate to orthocumulate). Flows are cut by 2-3% dkgn serp filled fractures MINERALIZATION: 0.5-1% Very finely disseminated pyrrhotite and local scattered pentlandite, to 83m.	864450	77	79	2	0	2480	70	123	6	9
				864451	79	81	2	0.5	2040	24	107		



# DIAMOND DRILL LOG

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP /LAT LONG \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. HWF01-01 PAGE 5/7  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	# ROD	LITHO TYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS	
M	FT					FROM	TO	LENGTH	% SUL		
					It has a crackle breccia appearance with very angular fragments that are mostly in the 5mm to 1cm size. The largest fragments are up to 5x6 cm and contain white quartz ± calcite filled amygdules. MINERALIZATION: Overall 3% v/v brown magnetic pyrrhotite occurring as vfg clumps in the matrix, very finely disseminated in fragments, in filling hairline fractures, local vfg pyrite in amygdules. 102.3 - 106.1 MINERALIZATION: 5% as above. Lower contact sharp 60 to CA.						
107.3	149			Andesite Massive Flows Ad	Same as 83.9-101.8m, but amygdaloidal. The massive flows contain scattered amygdules in concentrations of up to 2-3%. The amygdules are round, up to 8mm diameter and are either white quartz ± calcite or black silica-chlorite filled. Flows contain 1-2% very fine hairline chlorite filled fractures, local crackle breccia sections typically less than 10 cm core length. 123.1 - 124.3 MINERALIZATION: 3% v/v brown magnetic pyrrhotite ± pyrite blebs to wispy						

# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP /LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. HUF01-01 PAGE 6/7  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHO TYPE	DESCRIPTION <small>GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)</small>	SAMPLE				ASSAYS	
M	FT					FROM	TO	LENGTH	% SUL		
					lenses within the chloritic matrix of a Crackle breccia section (85-90% andesite angular fragments to blocks). Minor Serpentine.						
					125.9-126.8 MINERALIZATION: 3% Vfg brown Pyrrhotite wispy blebs and 1% Vfg brassy Pyrite disseminations in a brecciated section with 20-25% white quartz-calcite flooding and 3% chlorite filled fractures. Minor Serpentine.						
					128.7-128.95 MINERALIZATION: 4% Po, 0.5% Pyrite						
					134.6-135 MINERALIZATION: 3% Vfg brown Pyrrhotite blebs in the matrix of a Crackle breccia section						
					135.8-136.8 Crackle breccia with 0.5% Pyrrhotite.						
					137-137.3 MINERALIZATION: 2%, Same as 134.6-135m.						
					138.3-139 MINERALIZATION: 3% Vfg brown magnetic Pyrrhotite wispy blebs in filling random microfractures, section also contains 5% white quartz flooding.						
					129.2-130.2 MINERALIZATION: 4% Vfg brown Pyrrhotite blebs to wisps in fractures in a weakly brecciated section.						
					130.2-132.9 MINERALIZATION: 1-2% Vfg brown magnetic Pyrrhotite blebs in fracturing.						
					144-149 The andesite flows contain light to medium green vfg chloritic flow selvages						





## DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP./LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. KWF02-0 | PAGE 2 of 5  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHOTYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE NO.	SAMPLE				ASSAYS				
M	R						FROM	TO	LENGTH	% SUL	Ni	Cu	Co		
20.55	78.8			Dunite Flows KDW	Blackish green, vfg, highly magnetic, porous, very soft, massive dunite flows. They consist of 80-95% green serpentinized Olivine cumulate grains (limb size) in partial mutual contact and rimmed or surrounded by vfg black chlorite-serpentine matrix with <sup>white</sup> specks of devitrified glass (accumulate with local mesocumulate). Flows are cut by very minor (<1%) white fibrous serpentine-carbonate filled microfractures.										
					ALTERATION: moderate to intense pervasive serpentine. MINERALIZATION: 0.5% very finely disseminated pyrrhotite throughout with local sections of 1-2% concentrations that have within them 3-5% po + pentlandite blebs.										
					26-28.8 MINERALIZATION: 1-1.5% vfg brown kinetic disseminated pyrrhotite with 4% pyrrhotite blebs @ 27-8m.	86445	26	27.5	1.5	1.5	1955	28	90		
						864458	27.5	28.8	1.3	1	3278	68	129		
						864459	28.8	29.8	1	4	691	49	153		
					28.8-29.8 MINERALIZATION: 5% blebby pyrrhotite + pentlandite.	864460	29.8	31	1.2	1	2800	81	96		
					29.8-34 Same as 26 to 28.8m with 2.5% vfg pyrrhotite blebs containing vfg flashy pentlandite.	864461	31	32.5	1.5	2	2177	84	107		
						864462	32.5	34	1.5	1.5	2486	44	132		





## DIAMOND DRILL LOG

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP. /LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. HUF02-01 4/5  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHOTYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS		
M	R					NO.	FROM	TO	LENGTH	% SUL		
					grains interlocked with vfg white devitrified glass matrix 25% and 10% serpentine-chlorite matrix. The peridotite is cut by 3-4% black vfg serpentine-chlorite filled fractures/stringers. MINERALIZATION: 0.5% very finely disseminated po. 80.3-80.5 5% white calcite filled fractures 80.6-81.8 Breccia section due to light green vfg swirling serpentine-carbonate flooding (80%). 82-83.3 Blocky core due to fracturing Lower contact gradational							
84	86			Pyroxenite Flows KPx	Greenish grey, vfg-fg, homogeneous, massive, non magnetic, soft, mesocumulate to orthocumulate pyroxenite flow. The pyroxenite consists of 60 to 40% <sup>whobow</sup> black olivine (upper portion) or green pyroxene like cumulate grains surrounded by light green vfg serpentine and white vfg devitrified glass matrix. 84-84.8 MINERALIZATION: 2.5% vfg disseminated non magnetic pyrrhotite + pentlandite. 85.8 vfg light green serpentine vein (6cm) 0 to CA. Lower contact sharp but broken core.							











SCALE GRAPHIC LOG  
 LITHOLOGY %  
 STRUCTURE  
 MINERALIZATION ALTERATION

# DIAMOND DRILL LOG

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP / LAT. LONG \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. KUF 3-01 PAGE 2

COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		LITHO TYPE	DESCRIPTION <small>GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)</small>	SAMPLE				ASSAYS	
M <input type="checkbox"/>	FT <input type="checkbox"/>			SAMPLE NO.	FROM	TO	LENGTH	% SUL	
			82.6 - 84.5 Fg mesocumulate to orthocumulate section of 60% black olivine blades/laths in a light green vfg aphanitic matrix. Flow from 76.9 to 84.5m.						
		Flow	84.5 - 87.2 Vfg-Fg, aphanitic, section containing 5 to 15% black vfg angular graphitic argillite fragments (increase in abundance downhole). Overall 0.5% vfg Pyrite-pyrhotite associated with the graphitic argillite fragments.						
			87.2 - 90 Cg spinifex section - upper part medium size olivine blades to 87.7m then platy coarse (> 5cm long) blades.						
			90 - 91.5 Cumulate section - same as 82.6-84.5m.						
			91.5 - 91.7 Graphitic weakly brecciated section						
			91.7 - 98 Cg spinifex section - same as 77-82.6m fan-like texture with platy central core.						
			98 - 98.5 Gradational from Fg olivine spinifex to olivine knobby cumulate						
			98.5 - 102.5 Blackish green, Fg, vfg, mesocumulate mesh like textured section.						
			102.5 - 102.8 weakly brecciated section - 5-7% black vfg graphitic filled fractures cutting vfg light green aphanitic matrix.						



# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP./LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DOH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. KWF3-01 PAGE 6 / 7  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHOTYPE	DESCRIPTION GEOLOGY (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS	
M	F					FROM	TO	LENGTH	% SUL		
					102.8 - 103.1 Fg - Mg Spinifex - random olivine latus, brecciated.						
					103 - 103.2 Fg - VFg mesocumulate - orthocumulate, brecciated.						
					103.2 - 103.3 Graphitic Fault gouge section						
					103.3 - 103.9 Fg Spinifex breccia composed of 80% light green VFg <sup>olivine</sup> Spinifex textured peridotite fragments (very angular, 1mm - 1cm size) that are cemented by graphitic material (breccia sands 102.8-103, 103-103.2)						
					103.9 - 104.5 Fg - VFg mesocumulate same as 98.5 - 102.5.						
					104.5 - 104.8 Mg Spinifex, random olivine latus section brecciated as a result of 15% serpentine filled fractures						
					104.8 - 105.2 Fg mesocumulate section comprised of 60% equivalent to locally latus of brown serpentinized olivine in a white glass matrix with 10-12% black serpentine specks - blebs						
					105.2 - 111.1 Cg Spinifex section same as 77-82.6m. Black core with poor RQD 0 - 20 due to black VFg serpentine filled random fractures (10% offset)						
					111.1 - 115.8 Fg mesocumulate to adcumulate section of 80-90% brownish serpentinized fine olivine grains within a VFg aphanitic light green porphyritic ground with local white devitrified glass						

# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP. /LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. HUF 3-01 PAGE 27  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHOTYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS		
M <input type="checkbox"/>	Ft <input type="checkbox"/>					SAMPLE No.	FROM	TO	LENGTH	% SUL		
					115.8-116.9 Cg, spinifex section - platy & skeletal "Chicken Stratch/Feet"							
					116.4-117.2 Vfg-fg mesocrumulate section cut by black serpentine filled fractures.							
					117.2-123.0 Cg, spinifex section - same as 72-82.6m, 25-30% olivine blades (up to 10cm long and 0.5cm thick). "Chicken Stratch"							
					123-123.8 Vfg spinifex section locally aphinitic							
					123-8-125 Same as 117.2-123m.							
					Flow units: 76.4-84.5, 84.5-91.5, 91.5-102.5, 102.5-103.2, 103.2-104.5, 104.5-105.2, 105.2-115.8, 115.8-117.2, 117.2-1204							
				125	E04							

## DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY HUCAMP MINES NTS 42A/10  
 PROPERTY ALGO-DUNDONALD DISTRICT Porcupine  
 COMMENCED April 18 2001 TWP./LAT. LONG. Dundonald  
 COMPLETED April 19, 2001 CLAIM 1 76533  
 OBJECTIVE Test mag highs West of Dundonald South  
 CO-ORDINATES 2675W, 800N  
 GPS 51163 5386321

CORE SIZE NQ  
 CONTRACTOR Bradley Bros  
 DATE LOGGED April 24 - 25, 2001  
 LOGGED BY Kevin Montgomery  
 DDH COMMENTS J Kevin Montgomery

SURVEY DEPTH	DIP	AZIMUTH
17	-44.1	359.5
68	-44.9	
125	-45.1	2.7

Hole No. HUF4-01 PAGE 1/8  
 COLLAR AZIMUTH 360  
 COLLAR DIP -45  
 ELEVATION  
 LENGTH 125 m.

INTERVAL		LITHOLOGY	DESCRIPTION	SAMPLE				ASSAYS	
M	FT			NO.	FROM	TO	LENGTH	% SUL	
0	7	Overburden							
7	20	Pyroxenitic Massive Flow KPx	Light green, vfg, nonmagnetic, soft, massive pyroxenitic flows. The pyroxene consists of a vfg filitic mass (cumulate) to f. g. mesocumulate. It is composed of 70-75% pyroxene laths, 10% black vfg chlorite specks, and 5-7% white plagioclase. MINERALIZATION: 0.5% to trace vfg disseminated pyrrhotite throughout. STRUCTURE: moderate to well fractured with poor RWD's. 17-19.3 MINERALIZATION: 1% vfg-fg disseminated pyrrhotite. 17-85 - 18.05 25% white quartz-carbonate filled pathways (fracture filling) pseudo breccia. Lower contact appears to be a flow contact with varicolitic margins.						
20	34.3	Pyroxenitic Flow Breccia KPx, bx	Light green, vfg, nonmagnetic, soft, pyroxenitic breccia. The unit consists of 80-90% a light green angular small (1-5 cm size) vfg pyroxenite fragments held together by either vfg blackish green serpentinite or black carbonite.						

# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP /LAT. LONG. \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_

CORE SIZE \_\_\_\_\_  
 CONTRACTOR \_\_\_\_\_  
 DATE LOGGED \_\_\_\_\_  
 LOGGED BY \_\_\_\_\_  
 DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. **HV F4-01** PAGE **2 B**  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHOTYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS	
M	Ft					FROM	TO	LENGTH	% SUL		
					material (crackle breccia). The unit consists of alternating vfg pyroxenite mesocumulate or adcumulate and fg pyroxene spinifex sections. The unit is cut by local white quartz ± calcite ± serpentine veins to veinlets. Mineralization: Locally 0.5% vfg disseminated pyrrhotite and locally 0.5% fg pyrite with graphite. 20-21.4 vfg adcumulate-mesocumulate section 21.4-22.8 fg spinifex section - 20% fine (1mm-10mm long, ≤ 1mm thick) pyroxene blades in a vfg aphanitic groundmass. 22.8-25.2 vfg aphanitic adcumulate section 25.2-27.5 Spinifex - same as 21.4-22.8m. 27.5-28.2 adcumulate section - same as 22.8-25.2m. 28.2-28.9 Spinifex - same as above. 28.9-31.3 vfg aphanitic adcumulate with local fine pyroxene blades. 31.3-32.7 spinifex 32.7-34.3 adcumulate 33.8m Graphite Fault gouge 5cm core length. Lower contact sharp with disappearance of crackle breccia. Flow units: 21.4-25.2m, 25.2-28.7, 28.7-31.3, 31.3-32.7, 32.7-34.3						

# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP /LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. HVF4-01 PAGE 3 / 8  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHOTYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS			
M	F					FROM	TO	LENGTH	% SUL	Ni	Cu	Co	
34.3	55.4				<p><u>34.3-39</u>                      Pyroxenite light green, non-magnetic, soft, platy spinifex                      Spinifex pyroxenite flows. It is composed of 10%                      Flows dark green coarse (5-10 cm long, 2-3 mm thick)                      Olivine blades and 5-7% fine pyroxene blades                      Kpx, sx in a vfg light green homogeneous aphanitic                      pyroxenitic groundmass. MINERALIZATION: trace  <u>39-46</u> same as above, lack of olivine blades but                      contains 10% fine (1-3 cm long, 1 mm thick)                      pyroxene blades. MINERALIZATION: Nil  <u>46-51.8</u> light green, vfg, homogeneous                      aphanitic pyroxenite. MINERALIZATION: Nil  <u>51.8-54.2</u> Green, non-magnetic, soft, olivine                      bearing pyroxenite. It consists of 30% brown                      to dark green serpentinized olivine                      hopper cumulate grains (0.25 x 3 cm) in                      a vfg pyroxenitic aphanitic groundmass.  <u>54.2-55.2</u> light green, vfg, pyroxene                      spinifex textured aphanitic pyroxene                      with 2-3% green serpentine wisps and                      2% white quartz - carbonate veinlets.  <u>55.2-55.4</u> same as 51.8-54.2, 40% olivine.  <u>52.5-53.4</u> MINERALIZATION: 3% quartz</p>								
						864475	51.8	52.5	0.7	0.5	76	42	69
						864476	52.5	53.4	0.9	3	1143	53	86
						864475	53.4	54.2	0.8	0.5	1193	44	85

# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP./LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. RUF-04-01 PAGE 4 / 8  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHOTYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS		
M	FT					NO.	FROM	TO	LENGTH	% SUL		
					Vfg pyroxenite disseminations locally 5%.							
55.4	88.6			Peridotite Massive Flows KPD	Black, locally white speckled, Fg, massive, magnetic peridotite flow. The peridotite flow is comprised of 80-70% olivine cumulate in partial contact with each other and surrounded by 15-20% white vfg devitrified glass. Mesh like texture to flows. Local vfg black, homogeneous massive and cumulate sections (90-95% olivine in mutual contact) sections @ 52.8-64.6, 68-70. They are cut by black vfg olivine-serpentine magnetite bands to hairline stringers. Mineralization: 5% magnetite in fractures and vfg finely disseminated. Nil sulphides. Very minor light aquagreen serpentine filled fractures and white fibrous serpentine-carbonate filled fractures. 85.4 - 88.6 ALTERATION: weak-mild perv serpentinization and dark green serpentine filled fractures. Lower contact gradational, magnetite in vfg @ 88.6m.							

# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP /LAT. LONG \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. KUF4-01 PAGE 5/8  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		LITHOLOGY	DESCRIPTION GEOLOGY:(colour,grain size,texture,minerals,alteration etc.)	SAMPLE				ASSAYS	
M	FT			SAMPLE No	FROM	TO	LENGTH	% SUL	
88.6	125	Peridotite Spinifex Flows	Green, vfg, soft, non magnetic olivine spinifex textured peridotite flows. The spinifex sections contain coarse to fine grained olivine blades (20-40%) in a vfg green aphanitic pyroxenitic groundmass						
88.6	91.7	V. Pyrox 88.6-91.7	green, vfg, serpentized meso cumulate (65% fine (1mm) green serpentinized olivine surround by a white glass? matrix) Transitional zone, weakly brecciated as a result of 3-4% serpentine filled fractures						
91	91.35	91-91.35	Green vfg aphanitic pyroxenitic flow top with 25% graphitic angular fragments to specks.						
91.35	91.6	91.35-91.6	Fg spinifex - random chicken stretch texture.						
91.6	92.05	91.6-92.05	Same as 91-91.35, 10% graphite.						
92.05	98.7	92.05-98.7	Cg spinifex - random chicken stretch texture to 94.1m, then platy spinifex. Dark green olivine blades (Δ = 3mm thick and 1 to 10 cm long)						
98.7	101.6	98.7-101.6	Fg-meso cumulate to adcumulate section. The upper section is gradational with happen to be the of olivine grains						





# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP./LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. **KUFA-01** PAGE **7 8**  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		LITHOLOGY	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS	
M <input type="checkbox"/>	FT <input type="checkbox"/>			SAMPLE No.	FROM	TO	LENGTH	% SUL	
			108.7-108.85 VFg-Fg spinifex section grading into Cg spinifex <sup>olivine</sup>						
			108.85-110.3 Cg spinifex section - same as 92.05-98.7m, local feathers.						
			110.35-110.95 Mg random spinifex section - same as 106.35-108						
			110.95-111.15 Fg ribbony mesocumulate composed of 85-90% brownish olivine cumulate grains (1x5mm size) in mutual contact and partially surrounded by white glass matrix. Olivine grains predominantly equant with minor aligned stubby laths (ribbony texture).						
			111.15-111.45 VFg mesocumulate - 50% olivine & 50% beutified glass?						
			111.45-111.75 VFg aphanitic flow top - same as 108.6-108.7m.						
			111.75-111.95 VFg-Fg spinifex same as 108.7-108.85m.						
			111.9-115.3 Cg spinifex - same as 108.7-108.85m.						
			115.3-115.6 Mg random spinifex						
			115.6-115.8 Adcumulate						
			115.8-117.2 VFg mesocumulate.						
			117.2-118.9 VFg aphanitic flow top						
			118.9-118.4 Fg mesocumulate with very thin (1-2cm) spinifex top.						
			118.4-119.5 VFg aphanitic flow top cut by 3% black serpentine filled fractures with trace Fe, Quartz. Local black granitic anorthite.						

# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP. /LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. **KOP4-01** PAGE **8/8**  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHOTYPE	DESCRIPTION <small>GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)</small>	SAMPLE				ASSAYS		
M	FT					SAMPLE No.	FROM	TO	LENGTH	% SUL		
					119.5 - 120 Fg mesocumulate section							
					120 - 120.6 Fg-mg random spinifex section - Same as Same as 106.35 - 108 m.							
					120.6 - 123.15 Gradational section from Fg to cumulate / mesocumulate to quenched spherulitic Vfg section							
					123.15 - 123.45 Fg-mg spinifex							
					123.45 - 125 Cg spinifex.							
					Flow units: 91-91.6, 91.6-101.6, 101.6-108.6, 108.6-111.45, 111.45-117.2, 117.2-118.4, 118.4-120, 120-123.15, 123.15-125m.							

# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY Kucamp Mines NTS 42 A/10  
 PROPERTY Alexo-Donald DISTRICT Porcupine  
 COMMENCED April 20, 2001 TWP./LAT. LONG. Dundonald  
 COMPLETED April 23, 2001 CLAIM 76533  
 OBJECTIVE Test mag highs of CO-ORDINATES 2800W, 820W  
West Dundonald South Zone GPS 511059 5386334

CORE SIZE NQ  
 CONTRACTOR Bradley Bros  
 DATE LOGGED April 25-26, 2001  
 LOGGED BY K. Montgomery  
 DDH COMMENTS K. Montgomery

SURVEY DEPTH	DIP	AZIMUTH
14	-47	357.5
71	-47.1357.5	
128	-47.3001	

Hole No. HUFS-01 PAGE 1/6  
 COLLAR AZIMUTH 360  
 COLLAR DIP -47  
 ELEVATION  
 LENGTH 122 m

INTERVAL		LITHO TYPE	DESCRIPTION	SAMPLE				ASSAYS			
M	FT			FROM	TO	LENGTH	% SUL	Ni	Cu	Co	
0	4.5		Overburden								
4.5	42.4	Komatite Basalt KBas	Greenish grey, vfg, non-magnetic, massive, homogeneous, massive is crackle brecciated as a result of 5-7% black fine (1-3mm) ragged graphite fractures. Basalt contains 2-3% fine pyroxene and 5% vfg dark green chlorite specks. MINERALIZATION: Trace disseminated pyrrhotite until 29 m downhole after which it increases to 0.5-1% pyrrhotite and pyrite. 4-15 STRUCTURE: rusty iron oxidized fractures. 14-14.2 Hyaloclastic flow selvage. 17-18 Graphitic breccia - 10-30% graphite filled fractures to patches. 18-21 ALTERATION: very soft section moderate pervasive serpentinization and 15% wisp green vfg serpentine specks. Reddish brown white Sphalerite stringer (1-2mm) 19.2m. 19.5-20.6 Graphite rich (20%) and Carbonate veins flooding causing a breccia. 29-37 MINERALIZATION: Overall 0.5-1% pyrrhotite in section. The pyrrhotite occurs as vfg...	864481	34	35	1	1	222	60	44
				864482	35	36	1	1	305	188	78
				864483	36	37	1	1	393	235	91

# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP. /LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. HVFS-01 PAGE 2 of 6  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHO TYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS		
M	FT					FROM	TO	LENGTH	% SUL			
					to blebs with black graphite filled fractures. Fractures also contain 1-2% vfg brassy pyrite and 0.5% chalcopyrite from 34.5 to 37m.							
					At 32.5 m, Graphite fracture contains pyrrhotite blebs (7x10mm)							
					Section is moderately graphite fractural (7-12%)							
					37-38 Blocky core RDD - 0							
					38-40.6 Mineralization: 1% very finely disseminated vfg pyrite and pyrrhotite.							
					38-42.4 Serpentine rich section - 30-40% very fine serpentine cumulate grains in a green pyroxenitic? aphanitic ground mass - Section contains 5-7% green vfg serpentine filled tension gashes and fractures. Lower contact gradational but marked by presence of graphite.							
42.4	51.6				Pyroxenite light green non-magnetic, soft, platy spinifex Spinifex pyroxenite flow textured Flow: 42.4-43.4 Graphitic breccia - It is composed of 20-50% black vfg graphite + serpentine material envelopping vfg aphanitic pyroxenite fragments. Section also contains local white							



GRAPHIC LOG

# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP./LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. KVFS-01 PAGE 46  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	# ROD	LITHOTYPE	DESCRIPTION <small>GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)</small>	SAMPLE				ASSAYS					
M <input type="checkbox"/>	FI <input type="checkbox"/>					FROM	TO	LENGTH	% SUL						
					51.6 - 51.8 Mg mesocumulate section containing 30-35% greenish white, vfg, silicified pyroxenite fragments. Fragments are sub rounded and have sharp wavy ledges. Fragment sizes (1x8cm to 3x5cm). The peridotite is cut by black vfg serpentine - magnetite stringers to fine fractures which in the mesocumulate sections produce a mesh-like texture. In a cumulate section local light green serpentine filled irregular fractures are present.										
	70.3				69 - 70.3 Polygonal black serpentine - chlorite fracturing with zoned mesocumulate polygons.										
	70.3	122		Peridotite Spinifex Flows KPa, OSY	Dark to medium green, magnetic, soft, olivine spinifex peridotite flows. The spinifex sections are composed of 20-40% dark green olivine blades within a vfg aphanitic pyroxenitic groundmass. The olivine begins as fine random needles (1mm x 1cm) grades to medium (2mm x 3cm)										

MINERALIZATION: Nil sulphides. (NB 42.4 - 70.3 could be a large flow unit)

# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY _____	NTS _____	CORE SIZE _____
PROPERTY _____	DISTRICT _____	CONTRACTOR _____
COMMENCED _____	TWP. /LAT. LONG. _____	DATE LOGGED _____
COMPLETED _____	CLAIM _____	LOGGED BY _____
OBJECTIVE _____	CO-ORDINATES _____	DDH COMMENTS _____

SURVEY DEPTH	DIP	AZIMUTH

Hole No. **HUF5-01** PAGE **5/6**

COLLAR AZIMUTH \_\_\_\_\_

COLLAR DIP \_\_\_\_\_

ELEVATION \_\_\_\_\_

LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHOTYPE	DESCRIPTION <small>GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)</small>	SAMPLE				ASSAYS				
M	R					FROM	TO	LENGTH	% SUL					
					<p>lath "chicken scratch pattern" then coarse (3 mm x 10 cm) Feathery blades "platy pattern"!</p> <p>The Spinifex sections grade into the mesocumulate. <sup>comp</sup> 70% Olivine &amp; quartz grains and laths in vfg pyroxenitic matrix. The mesocumulate sections are the same as from 51.6 - 70.3 m.</p> <p>MINERALIZATION: Magnetic to 79.6m, vfg finely disseminated magnetite pervasive in mesocumulate section and associated with Olivine blades in spinifex. Nil sulphides.</p>									
				Flow	70.3 - 75.9 Spinifex Section.									
					75.9 - 76.9 Mesocumulate Fg									
					76.9 - 79 Adcumulate									
				Flow	79 - 79.5 vfg aphanitic brecciated flow top									
					76.7 - 80.5 Blocky core; RQD=0									
					79.5 - 85.9 Spinifex Section									
					85.9 - 87.8 Magnetic Fg mesocumulate									
				Flow	87.8 - 88.4 Brecciated vfg flow top with 3% serpentine tensional gashes.									
					88.4 - 91.5 Spinifex section.									
					91.5 - 92.65 Fg mesocumulate grading to vfg mesocumulate.									
				Flow	92.65 - 93.15 Flow top same as 87.8 - 88.4 m.									
					93.15 - 96.6 Spinifex section									

1430m









# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP. /LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. HVF6-01 PAGE 3, 4  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		LITHOLOGY	DESCRIPTION	SAMPLE				ASSAYS	
M	R			FROM	TO	LENGTH	% SUL		
			93.7-94 VFg black graphite zone, lower contact 135 to CA. Lower unit contact gradational.						
98.8	104	Peridotite	Magnetic Fg mesocumulate peridotite flow massive same as 10-67.2m. Nil Sulphides Flow 98.8 White Calcite-quartz vein (5cm) 70 to CA. KPD Lower Contact sharp 70 to CA (NB 93.7-104 could be a single flow unit)						
104	125	Peridotite Spinifex Flows KPD, sx	Green, VFg, soft, non-magnetic olivine spinifex textured peridotite flows. Spinifex sections consist of 20-40% VFg to Cg olivine blades (20-40%) in a VFg green aphanitic pyroxenitic ground mass. Spinifex section followed by Fg mesocumulate (75-85% olivine) to Fg adcumulate (29.5% olivine grains). 104-104.5 Mg spinifex (chicken scratch) 104-109.6 Cg spinifex (platy) section 109.6-110 Transitional section - 70-65% olivine - equant grains and laths in a VFg green aphanitic pyroxenitic ground mass. 110-112.1 Fg mesocumulate to adcumulate section 112.1-112.35 VFg aphanitic flow top brecciated as a result of 10% serpentine filled fractures.						





LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

# DIAMOND DRILL LOG

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP./LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH
206	-59.6	003.5

Hole No. KUF7-01 PAGE 2, 10  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	# FOD	LITHO TYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS					
M	FT					FROM	TO	LENGTH	% SUL	Ni	Cu	Co	Pb	Pd	
					27.8 - 28.8 Graphite Zone - 75% black vfg graphite hosting 30% light green vfg pyroxene angular fragments to shards. 2% brown magnetite po spheroids to disseminations. Upper contact SS to CA, lower 25 to CA.	864485	27.8	28.8	1.0	2	6225	272	342	70	92
					28.8 - 29.5 Brecciated Pyroxenite, 1% Po	864486	28.8	29.5	0.7	1	6229	272	342		
					29.5 - 31.1 Graphite Zone with 5% vfg brown magnetite po spheroids/ovals (up to 2.5cm diameter) and very fine white calcite stringers concentrated at zone contacts. Upper contact gradational, lower 35 to CA.	864487	29.5	31.1	1.6	5	504	817	164	9	0
					31.1 - 32.4 light grey, vfg, graphitic (30% angular sharp graphite arenite fragments to specks) brecciated Komatiite basal MINERALIZATION: 7% vfg-fg pyrrhotite disseminations.	864488	31.1	32.4	1.3	7	450	157	175	10	7
					32.4 - 33.8 Graphite zone - same as 29.5-31.1m, zoned po ovoids (up to 2 cm) consisting of brassy rims and vfg brownish to black cores. Upper contact SS to CA, lower contact 25 to CA.	864489	32.4	33.8	1.4	5	425	567	138	8	4
					33.8 - 35.55 Breccia - It consists of 75% light grey vfg angular altered pyroxenite? fragments surrounded by 20% black vfg graphite. MINERALIZATION: 15% pyrrhotite eyes (3mm) to ovoids (5mm - 1.5cm).	864490	33.8	34.8	1.0	15	344	299	74	7	4
						864491	34.8	35.55	0.75	15	347	498	107	9	4

samples mixed by lab.







GRAPHIC LOG  
 LITHOLOGY  
 STRUCTURE  
 MINERALIZATION ALTERATION

# DIAMOND DRILL LOG

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP. /LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. KVF 7-01 PAGE 5 / 11  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHOLOGY	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS					
M	FI					FROM	TO	LENGTH	% SUL	Ni	Cu	Co	Pb	Pd	
					olivine in mutual contact and surrounded with white devitrified glass matrix. The adcumulate sections are brown vfg (2-95%) olivine grains tightly packed with local white devitrified glass matrix. The peridotite is cut by 3-5% vfg black serpentine-chlorite. Fine fractures (< 1mm). These fractures have an anastomosing pattern. The peridotite MINERALIZATION: The upper portion to 93.5m contains 2-5% pyrrhotite mineralization (see description below).										
					82-85.5 Adcumulate section with 3-4% vfg green serpentine filled spheres (amygdules) and 7-8% white vfg irregular blebs (ragged edges) of devitrified glass.	864502	82	83.5	1.5	2	2156	24	112	18	19
					82-85.5 Adcumulate section with 3-4% vfg green serpentine filled spheres (amygdules) and 7-8% white vfg irregular blebs (ragged edges) of devitrified glass.	864503	83.5	84.5	1	2	2206	25	106	15	17
					82-84.5 MINERALIZATION: 2% vfg brown pyrrhotite mostly in the serpentine amygdules but also disseminated throughout. The pyrrhotite locally contains trace pentlandite.	864504	84.5	85.5	1	3	2123	34	113	7	7
					82-84.5 MINERALIZATION: 2% vfg brown pyrrhotite mostly in the serpentine amygdules but also disseminated throughout. The pyrrhotite locally contains trace pentlandite.	864505	85.5	87	1.5	2	2090	31	112	45	3
					82-84.5 MINERALIZATION: 2% vfg brown pyrrhotite mostly in the serpentine amygdules but also disseminated throughout. The pyrrhotite locally contains trace pentlandite.	864506	87	88.5	1.5	2	2098	45	106	8	5
					82-84.5 MINERALIZATION: 2% vfg brown pyrrhotite mostly in the serpentine amygdules but also disseminated throughout. The pyrrhotite locally contains trace pentlandite.	864507	88.5	89.8	1.3	2	1806	152	111	7	5
					84.5 - 85.5 MINERALIZATION: 3% Same as above.			71.2							
					85.5 - 89.8 MINERALIZATION: Overall 2% pyrrhotite. The pyrrhotite occurs as very finely disseminated			11.2							

# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP./LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. MWF7-01 6, 11 PAGE  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHOTYPE	DESCRIPTION GEOLOGY:(colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS						
M <input type="checkbox"/>	FT <input type="checkbox"/>					SAMPLE No.	FROM	TO	LENGTH	% SUL	Ni	Co	Cu	Pb	Pd	
					thin (1mm) blebs on either side of the black serpentine filled fractures.											
	89.8 - 91.2				Black vfg graphite filled tensional fractures (15%) producing a stialle breccia. MINERALIZATION: 2.5% vfg disseminated Po, 0.5% orange-brown sphalerite wispy stringers, trace vfg brassy yellow chalcopyrite	864508	89.8	91.2	1.4	3		996	133	418	13	4
	91.2 - 91.7				mesocumulate section of 46% black olivine lath to equant cumulate grains (2-3mm) in a vfg green aphanitic pyroxenitic groundmass. MINERALIZATION: 4% Po, vfg dissemination and local vfg pyrrhotite blebs (5-10mm size). 10% vfg silver graphite ragged blebs (cm size). Section also contains serpentine spheres	864509	91.2	92.85	1.65	2		7735	320	206	LS	1
	92.85 - 93.5				50% vfg silver graphite fragments to blebs. MINERALIZATION: 4% same as 91.2-91.7. 70% graphite. MINERALIZATION: 5% vfg brown pyrrhotite blebs, 0.5% vfg yellow chalcopyrite and 0.5% silver pentlandite, serpentine spheres. Lower contact gradational.	864510	92.85	93.50	0.65	6		10857	413	103	131	133
	93.5 - 95					864511	93.5	95	1.5	0		2006	103	21	28	30

# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP./LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. KUP 7-01 PAGE 7/10  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL				LITHOTYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS					
M	FI	% REC	% ROD.			SAMPLE No.	FROM	TO	LENGTH	% SUL	Ni	Cu	Co	Pt	Pd
102.45	136.5			Serpentine Dunite Flows K Du	well light pistachio green, vfg, homogeneous, massive, soft magnetic dunite flows. It is composed of 95% green serpentinized olivine cumulate grains that are tightly packed and rimmed by black vfg chlorite-serpentine. Dunite flow cut by 3% white to light green serpentine fine (1mm) irregular random fractures. MINERALIZATION: nil sulphides ALTERATION: moderate to strong pervasive serpentinization 134.9-136.5 Section contains 20% irregular ragged patches of fg mesocumulate black white speckled peridotite flow. (gradational section into the peridotite flow)										
136.5	140.55			Peridotite massive flow K Pd	Black, white speckled, fg, massive, magnetic peridotite flow same as 82-102.45 m. Below 138 m peridotite becomes greenish grey <sup>and weakly magnetic</sup> as a result of contamination from the downhole: pyroxenite (142.3 - 176 m). The greenish grey section consists of 60% black olivine cumulate with a green vfg pyroxenitic aphanitic ground mass. 136.5-138 MINERALIZATION: 0.5-1% vfg finely disseminated pyrrhotite, local blobs (7-8mm)	804512	136.5	138	1.5	1	207	55	103	6	5

# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP. /LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. HUF7-01 PAGE 8/10  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHO TYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS							
M <input type="checkbox"/>	FI <input type="checkbox"/>					FROM	TO	LENGTH	% SUL	Ni	Cu	Co	Pb	Pd			
					at 137-1m.												
					138-138.7 MINERALIZATION: 5% very fine dusting OF vfg disseminated pyrrhotite and trace vfg pentlandite disseminations and local reddish vfg Sphalerite & stringers.	864513	138.6	138.7	0.7	5	1638	56	100	25	5		
					138.7-139.25 Green vfg-fg, Pyroxenite flow fragment or dike. It consists of 85% fg-my green pyroxene laths (in fens), with 13% vfg black chlorite-serpentine ground mass. Section contains 2% very fine leucoxene specks. Contacts 20 to CA.	864514	138.6	139.3	0.7	0	673	24	58	10	6		
					139.25-139.8 MINERALIZATION: 2% very fine dusting OF vfg disseminated pyrrhotite.	864515	139.3	140.55	1.25	2	3330	96	144	24	33		
					139.8-140.55 20% beige vfg aphanitic, w pyroxenite fragments of variable size, large one at 139.8-139.9m. 2% vfg pyrrhotite disseminations.												
					140.55-141.25 Semi massive The zone consists of 25% vfg brown magnetic massive Sulphide pyrrhotite angular fragments to blocks. Zone. These pyrrhotite fragments contain vfg pentlandite specks and trace local chalcopisite. The remainder of the section is a darkish grey brecciated pyroxenite (vfg aphanitic pyroxenite	864516	140.55	141.25	0.70	25	2.76	910	582	262	392		





# DIAMOND DRILL LOG

LITHOLOGY

STRUCTURE

MINERALIZATION ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP. /LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. HUP7-01 PAGE 11 / 11

COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHO TYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS					
M <input type="checkbox"/>	R <input type="checkbox"/>					SAMPLE No.	FROM	TO	LENGTH	% SUL	Ni	Cu	Co	Pb	Pd
1945	206			Pyroxenite Flow KPx	<p><i>White speckled</i></p> <p>Green <sup>1</sup>Fy, massive, non-magnetic pyroxenite Flow. It is composed of 1-20% green pyroxene needles (1mm x 3mm size) hosted by white devitrified glass and light green v.f. pyroxene groundmass (orthocumulate) to 200.5m. Below 200.5m the pyroxenite is mesocumulate consisting of 70-80% green equant pyroxene grains in mutual contact and rimmed by white devitrified glass. Minor dark green serpentine filled fractures. Upper portion with sulphides. 201.5-205 MINERALIZATION: 2% v.f. finely disseminated pos. 10% black fine olivine cumulate grains.</p>	84584	201.5	203	1.5	2	1016	46	109	5	6
						84585	203	204.5	1.5	2	925	59	113	6	6
						84586	204.5	206	1.5	2	943	46	113	11	8





# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP. /LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. HUF 8-01 PAGE 2/12  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHOTYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS					
M	F					FROM	TO	LENGTH	% SUL	NI	CA	CO	PG	PC	
					green vfg angular aphanitic pyroxenite fragments. MINERALIZATION: 7% sulphides - mostly pyrrhotite as vfg disseminations, local blebs to wisps and rare stringers and 1% vfg - fg disseminated pyrrhotite.	864523	22.8	24.5	1.7	7	12157	341	717	142	198
					26.2 - 28.05 Graphite - basalt breccia - 60% light grey vfg massive homogeneous Komatiite basalt fragments (very sharp angular fragments to small shards) in black vfg graphite. MINERALIZATION: 10% vfg brown pyrrhotite finely disseminated, and local blebs and ovoids. The ovoids (up to 1.5 cm diameter) often are zone with vfg brown pyrrhotite cores and vfg brassy pyrite-pyrrhotite rims, 2% vfg brassy pyrite disseminations.	864524	24.5	26.2	1.7	7	5523	256	352	6	10
					28.05 - 29.5 Graphite Zone with 7% scattered vfg brown zoned pyrrhotite spheroids/ ovoids (up to 2cm size) and 3% vfg fine calcite stringers. Upper contact 29.5 - 30.2 light green vfg aphanitic pyroxenite with 15% black angular graphite shards and graphite filled fractures. MINERALIZATION: 5% vfg disseminated Po & Py, local ovoids.	864525	26.2	28.05	1.85	10	391	287	80	13	9
					30.2 - 31.2 Graphite Zone - 3% scattered Po ovoids and white calcite stringers at zone contacts. Upper contact 45 to CA, lower 35 to CA.	864526	28.05	29.5	1.45	7	373	615	135	65	2
						864527	29.5	31.2	1.7	5	406	331	107	6	5
						864528	31.2	32.7	1.5	10	566	80	71	14	4
						864529	32.7	34.2	1.5	10	435	81	65	16	12
						864530	34.2	35.7	1.5	10	565	83	75	12	10











GRAPHIC LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

# DIAMOND DRILL LOG

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP. /LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. HUF8-01 PAGE 8, 12  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHOTYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS					
M	FT					FROM	TO	LENGTH	% SUL	Ni	cu	Co	Pb	Pd	
				KDu	MINERALIZATION: Trace local scattered Po blebs Dunite Flows are cut by 3-4% light green to white vfg fibrous Serpentine ± Carbonate filled fractures, locally fractures at 0-15 tca producing poor RQD. Also 1% black vfg Chlorite - Serpentine filled fractures with grey Fg - vfg magnetic halos. 103.9 - 104.2 Intens (85%) light green vfg serpentine veinlet to veining flooding the section. 126.85 - 128 ALTERTION: 10-20% reddish serpentine Lower contact gradational.										
129.6	132.3			Peridotite Flows Kpd	Black, white speckled, fgy, massive, magnetic peridotite flow. This flow consists of 85% black fine (≤ 1mm) olivine cumulate grains in mutual contact and surrounded by white devitrified glass. "Mesh like texture".										
132.3	133			Pyroxenite Flows KPx, S85	Light greenish grey, vfg, aphanitic, sulphidic pyroxenite flow with local olivine laths and rare Serpentine filled spheres. MINERALIZATION 8% vfg finely disseminated pyrrhotite and local pyrrhotite. Void blebs (up to 7mm).	80536	132.7	133	0.13	8	6493	246	333	57	20







# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP./LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. **KUF 01** PAGE **11/12**  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		# REC	% ROD	LITHOTYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS					
M <input type="checkbox"/>	R <input type="checkbox"/>					FROM	TO	LENGTH	% SUL	Ni	Cu	Co	Pb	Pd	
				Semi-massive Sulphide Zone	50-60% vfg brown massive pyrrhotite as massive bands to patches in filling fractures in a light green vfg aphanitic pyroxenite cut by wispy black serpentine-chlorite filled fractures. 1-2% vfg pentlandite flashes.	864542	173.25	173.65	0.4	60	3.22	724	942	80	138
				Pyroxenite Flows Kpx	Light green, vfg-fg, massive, fractured pyroxenite flows. They are composed of 30-50% green pyroxene equant grains or laths in a vfg aphanitic pyroxenite groundmass (orthocumulate) w/ local spinifex sections and a breccia. MINERALIZATION: Flows enriched in sulphides with sections of 2 to 20% sulphides. See description below.										
					173.65 - 174.5 MINERALIZATION: 20% vfg brown pyrrhotite blobs and patches in filling fractures.	864543	173.65	174.50	0.85	20	1.205	530	446	110	159
					174.5 - 174.85 Graphitic pyroxenite olivine spinifex (15% black olivine fine needles in a radiating fan), 40% black to silver vfg wisps to wispy fragments. MINERALIZATION: 5% vfg brown pyrrhotite specks to blobs.	864544	174.5	176	1.5	4	1.057	44	94	9	13
					176 - 177.8 40% black to silver vfg wisps to wispy fragments. MINERALIZATION: 5% vfg brown pyrrhotite specks to blobs.	864545	176	177.8	1.8	4	1.024	80	101	11	8
					177.8 - 179 MINERALIZATION: 3% vfg pyrrhotite.	864546	177.8	179	1.2	2	3.130	80	115	30	41

# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP./LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. KUP8-01 PAGE 12/12  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHOTYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS				
M	F					FROM	TO	LENGTH	% SUL	Ni	Cu	Co	Pb	Pd
					176.8-177.8	179	180.5	1.5	7	1087	59	101	10	8
					177.8-178.5	180.5	182	1.5	7	427	47	68	11	9
					178.5-179									
					179-182									

182

EOH

176.8-177.8 MINERALIZATION: 5% vfg very fine disseminated pyroxenite.  
 177.8-178.5 Pyroxene spinifex textured pyroxenite consisting of 25% green pyroxene fine lath (randomly oriented) in a light green vfg aphanitic pyroxenite groundmass. 2-3% white leucoxene specks and dark green serpentine tensional gashes. MINERALIZATION: 2% Pyroxenite  
 178.5-179 Very light green vfg aphanitic rodingite band.  
 179-182 Pyroxenite breccia, pyroxenite as described above cut by 20% light green wavy and anastomosing rodingite stringers to bands producing a breccia of angular blocks to small fragments of orthocumulate pyroxenite. MINERALIZATION: 7% same as 176.8-177.8 m.













# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP. /LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. HUF9-01 PAGE 6, 10  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		LITHO TYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS						
M <input type="checkbox"/>	FI <input type="checkbox"/>			FROM	TO	LENGTH	% SUL	NI	CU	CO	PT	PD		
			Moderate pervasive deep red Serpentinization? Lower contact gradational.											
130	140.3	Peridotite Flows KPD	Black, fg, massive, magnetic, peridotite flow. The flow is dominantly accumulative textured with mesocumulate white speckled patches. It is comprised of 95% brown fg olivine cumulate grains in mutual contact and rimmed by black chlorite - serpentine matrix. The mesocumulate patches are 80% olivine cumulate surrounded by white devitrified glass.	86455	134.1	135.6	1.5	1	2778	13	112	24	31	
		Vfg	MINERALIZATION: 1% Vfg brown subrounded Pyrrhotite blebs	86455	135.6	136.6	1.0	3	9938	109	207	81	142	
		KPD, S2	MINERALIZATION: 3%, same as above.	86455	136.6	138.3	1.7	2	6597	79	184	61	85	
			MINERALIZATION: 2% Vfg brown pyrrhotite as blebs and becoming Vfg disseminations downhole	86455	138.3	140.3	2.0	2	3285	75	138	29	38	
			138.3 - 140.3 Grey, mesocumulate peridotite/pyroxenite flow with 2% Vfg pyrrhotite disseminations & local blebs. (transition) Lower contact gradational.											
140.3	141.1	Pyroxenite Flow KPx	Greenish grey, Vfg, aphanitic pyroxenite flow with 20-30% fine pyroxene needles. The matrix is cut by black chlorite - serpentine filled fractures.	86456	140.3	141.1	0.8	0	4193	178	113	61	79	

# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP. /LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. KUF9-01 PAGE 7 10  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHOTYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS							
M <input type="checkbox"/>	R <input type="checkbox"/>					SAMPLE No.	FROM	TO	LENGTH	% SUL	ni	cu	co	Pt	Pd		
					MINERALIZATION: Nil sulphides, lower contact 45 to CA.												
141.1	143.25			MASSIVE SULPHIDE ZONE "Massive"	Brassy, Vfg, magnetic, pyrrhotite mineralization containing varying amounts of greenish gray Vfg aphanatic pyroxenite fragments. 141.1-141.4 Massive sulphide - massive Vfg pyrrhotite with 5% pentlandite flashes and hosting 20% greenish gray pyroxenite shards to ragged fragments. 141.4-141.9 Semi massive sulphide - 50% Vfg massive pyrrhotite as patches between angular pyroxenite blocks. 141.9-142.4 Semi massive sulphide - 70% Vfg massive pyrrhotite with 7% Vfg brassy yellow chalcocite and 20% Vfg pentlandite flashes. In the pyrrhotite small pyroxenite shards cemented together by the pyrrhotite. 142.4-143.25 Massive sulphide - massive brassy Vfg magnetic pyrrhotite containing 7-10% pyroxenite shards, 5% Vfg brassy yellow chalcocite and 20% Vfg pentlandite. Lower contact sharp and ragged at approx 55 to CA.	84561	141.1	141.4	0.3	80	8.5	2375	1632	708	1100		
						84562	141.4	141.9	0.5	50	7.5	2271	1235	724	1014		
						84563	141.9	142.4	0.5	70	9.3	6572	1656	474	904		
						84564	142.4	143.25	0.85	90	12	4579	2009	712	1042		



# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP. /LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. **KWF9-01** PAGE **9**, 10  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD.	LITHOTYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS					
M <input type="checkbox"/>	R <input type="checkbox"/>					FROM	TO	LENGTH	% SUL	Ni	Cu	Co	Pb	Pd	
165.5	168			Pyroxenite Flow KPx, S1	Grey, Vfg-Fg, homogenous, non-magnetic, massive graphitic pyroxenite. The pyroxenite is molecularly fractured with Vfg black graphite filling the fractures. Graphite content about 10%. The pyroxenite is either Vfg aphanitic or Fg mesocumulate-orthocumulate consisting of 50-60% dark grey equant olivine grains in a Vfg light green pyroxenite groundmass. 165.5-166 MINERALIZATION: 10% Vfg brown pyrrhotite wispy disseminations. 166-168 MINERALIZATION: 1% Vfg brown pyrrhotite scattered blebs, sphalerite stringer at 167.7m.	864569 864570	165.5 166.5	166.5 168	1.0 1.5	7 1	280 2452	192 78	69 118	7 7	7 6
168	175.65			Peridotite Flow Kpd, S5	Blackish green, Vfg-Fg, magnetic, massive, peridotite flow. It consists of 60% black olivine cumulate grains surrounded by white devitrified glass matrix (ortho to mesocumulate). MINERALIZATION: Overall 5% pyrrhotite ranging from 3-8%. Pyrrhotite is very finely disseminated "dusting" with local blebs. Lower contact gradational.	864571 572 573 574 575	168 169.5 171 172.5 174	169.5 171 172.5 174 175.65	1.5 1.5 1.5 1.5 1.65	3 5 5 7 7	2416 2575 2480 2640 2123	52 32 30 32 43	105 111 109 110 105	25 7 25 16 6	4 4 4 19 6



# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY HUCAMCO MINES LTD 42A/10  
 PROPERTY Alexo-Dundonald DISTRICT Porcupine  
 COMMENCED May 1, 2001 TWP./LAT. LONG. Dundonald  
 COMPLETED May 1, 2001 CLAIM 74888  
 OBJECTIVE Test Dundonald Line 2365W, 760N  
South Zone GPS-5386881 513276

CORE SIZE NQ/100  
 CONTRACTOR Bradley Bros  
 DATE LOGGED May 18 2001  
 LOGGED BY Kevin Montgomery  
 DDH COMMENTS Hole abandoned due to Fault zone, moved 7m North

SURVEY DEPTH	DIP	AZIMUTH
14m	-50.3	352

Hole No. HUF9A-d PAGE 12  
 COLLAR AZIMUTH 360  
 COLLAR DIP -50  
 ELEVATION  
 LENGTH 19m

INTERVAL		% REC	POD #	LITHO TYPE	DESCRIPTION (GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS		
M	FI					SAMPLE No.	FROM	TO	LENGTH	% SUL		
0	4			Overburden								
4	6.9			Andesite Breccia feldspar porphyritic Ad, bx, p	Green, vfg, feldspar porphyritic, <sup>hard</sup> andesite breccia. The breccia consists of 90% green vfg feldspar angular andesite fragments surrounded by a green vfg chlorite - silica matrix. The andesite fragments are a various shades of green as a result of variable amounts of alteration. Some are zoned due to alteration. The fragments vary from block size to 2-3mm diameter. STRUCTURE: Blocky core due to minor iron oxidized fractures at low angles to core. RAD 40%. MINERALIZATION: 3-5% vfg disseminated pyroxene. Breccia contains 2-3% white feldspar phenocrysts (locally laths) that are scattered throughout both fragments and matrix. Lower contact sharp 80 to CA.							
6.9	14.9			Graphitic Basalt Breccia	Dark grey, vfg, graphitic, crackle brecciated, soft massive basalt. The basalt is vfg, aphanitic, homogenous and cut by 15% block, vfg graphite							

*Kevin Montgomery*



GRAPHIC LOG  
 LITHOLOGY  
 STRUCTURE  
 MINERALIZATION  
 ALTERATION

# DIAMOND DRILL LOG

COMPANY Kucamp Mines NTS 42A/10  
 PROPERTY Alexo-Dundonald DISTRICT Porcupine  
 COMMENCED May 3, 2001 TWP./LAT. LONG. Dundonald  
 COMPLETED May 5, 2001 CLAIM 74888  
 OBJECTIVE Test Dundonald CO-ORDINATES 2365W, 767N  
South Zone GPS 511505, 5386283

CORE SIZE NQ  
 CONTRACTOR Bradley Bros  
 DATE LOGGED May 11-14, 2001  
 LOGGED BY K. Montgomery  
 DDH COMMENTS J. Keen Montgomery

SURVEY DEPTH	DIP	AZIMUTH
26	-54.5	359.5
77	-55.5	002.3
185	-55.2	001

Hole No. KUF10-01 PAGE 1 / 10  
 COLLAR AZIMUTH 360  
 COLLAR DIP -58  
 ELEVATION \_\_\_\_\_  
 LENGTH 197 m.

INTERVAL		% REC	% ROD	LITHOLOGY	DESCRIPTION	SAMPLE				ASSAYS			
M	Ft					FROM	TO	LENGTH	% SUL				
				0	13								
				13	29.8								
						Overburden							
						Peridotite/Pyroxenite Flow KPD/PX Grey, Fg, massive, non-magnetic, homogenous Peridotite/pyroxenite Flows. They consist of 40-60% black Fg olivine cumulate grains in a VFg pyroxenite matrix. The cumulate grains are typically not in mutual contact (mesocumulate to orthocumulate). Flows cut by black VFg chlorite-serpentine very fine hairline fracture to fractures giving local mesh like texture. MINERALIZATION: Local sections of disseminated pyrrhotite 13-21-85 Very blocky core, RQD=0 21-85-23.6 light grey, VFg, aphanitic pyroxenite with 50% light green pyroxene fine needles. 23.6-26.5 orthocumulate - 35-40% olivine grains 26.5-29.8 MINERALIZATION: 1-2% VFg finely disseminated pyrrhotite. Lower contact gradational.							
				29.8	37	Pyroxenite Flows KPX Grey, VFg-Fg, massive, homogenous, non-magnetic pyroxenite flows. They consist of interlocking pyroxene, olivine (10-20%) and plagioclase with							



# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP./LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. KUFR-01 PAGE 2, 10  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHO TYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE NO.	SAMPLE				ASSAYS					
M	FT						FROM	TO	LENGTH	% SUL	Ni	Cu	Co	PE	PD	
					local spiral sections containing 10-20% fine light green Pyroxene needles, Flows cut by 10 dark green serpentine tensional fractures to gashes.											
					35.3-37 Pyroxenite (Vfg, aphanitic) containing 1.5% angular black graphitic argillite fragments to shards. MINERALIZATION: 3-5% sulphides mostly Vfg brown pyrrhotite scattered blebs and fine disseminations and brassy Vfg to fg pyrite associated with the graphite fragments.	864587	36	37.5	1.5	4	556	187	89	10	10	
					Lower contact sharp 45 to CA.	864588	37.5	39	1.5	4	579	154	77	5	6	
							41	41	1.1							
39	42.5			Graphite Zone	Black (Vfg), massive, graphite with very fine white calcite stringers (local concentration of 10%). MINERALIZATION: 7% pyrrhotite as Vfg voids to large blebs. The voids are zoned with brassy rims and brown cores.	864589	39	40.1	1.1	7	464	686	153	25	41	
				Sg	40.1-40.7 section same as 35.3-37, 25% graphite fragments, upper contact 50 to CA and lower 40 to CA.	864590	40.1	41.3	1.2	7	354	334	102	6	6	
					lower contact of graphite zone 45 to CA.	864591	41.3	42.5	1.2	7	403	555	122	25	3	



# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP. / LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. **KUFD-01** PAGE **4** / **10**  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHOTYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS	
M	FT					FROM	TO	LENGTH	% SUL		
					Filled spheres (Above description 59.24 to 70.9 m)						
					60.4-61.2 Graphitic section - 35% black vfg graphite						
					Filled Fractures (anastomosing pattern).						
					67.6-70.2 MINERALIZATION: vfg brown magnetic						
					Pyrrhotite blebs (3-7mm) and Fg disseminations						
					mostly within black graphitic fractures. Pyrrhotite						
					varies from 5 to 15%.						
					70.9-77 Light green, vfg, soft, non-magnetic, aphanitic						
					pyroxene spinitic pyroxenite. It is composed of 15%						
					light green fine pyroxene needles (platy/random						
					spinitic) in a vfg groundmass. Local olivine cumulate						
					grains.						
					76-77 Olivine orthocumulate section - 20%						
					dark green serpentinitized to black olivine						
					stubby blades in a vfg light green aphanitic						
					pyroxenite groundmass. The olivine blades						
					were strongly aligned.						
77	108.1			Peridotite Flows Kpd	Black; massive, magnetic Fg, mesocumulate peridotite						
					with ad cumulate sections. It has a distinct						
					mesh like texture pattern due to 10-15% very						
					fine ( $\pm$ 1mm) black serpentine filled microfractures in						

# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP./LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. HUF 10-01 PAGE 5 / 10  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHOTYPE	DESCRIPTION <small>GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)</small>	SAMPLE				ASSAYS					
M <input type="checkbox"/>	FI <input type="checkbox"/>					SAMPLE NO.	FROM	TO	LENGTH	% SUL	Ni	Cu	Co	Pb	Pd
					an anastomosing pattern. The mesocumulate consists of 80% black equant olivine cumulate grains in partial mutual contact and surrounded by white devitrified glass. The orthocumulate sections are black with >95% olivine tightly packed in mutual contacts. 84.8-94.1m, 97.7-102.4m, 77.3-78.5m. Black serpentine spheres (2mm diameter) throughout section.										
					77-3-78 MINERALIZATION: 25-30% VFg silver graphite angular fragments to blebs, 10% VFg brown pyrrhotite disseminations to blebs, possible silver pentlandite in pyrrhotite blebs, 1% orange sphalerite stringers to local disseminations, local olivine spinifex pyroxenite fragments in section.										
					78.5-78.85 Olivine spinifex section - 25-30% black olivine stubby blades (11-15 cm long, 2mm wide) in a white devitrified glass matrix.	864592	99.5	101	1.5	0.5	1618	37	104	11	10
					101-102.2 MINERALIZATION: 80% VFg silver graphite angular fragments.	864593	101	101.7	0.7	5	10547	20	430	100	106
					101-101.7 MINERALIZATION: 5% VFg brassy pentlandite-pyrrhotite disseminations to scattered blebs.	864594	101.7	102.4	0.7	0.5	2773	19	135	49	65

# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP. /LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. KWF10-01 PAGE 6 / 10  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHO TYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS					
M <input type="checkbox"/>	FT <input type="checkbox"/>					FROM	TO	LENGTH	% SUL	Ni	Cu	Co	PE	Pd	
81	143			Serpentinized Dunite flows KDU	Light green, vfg, homogenous, massive, soft, highly magnetic, dunite flows. Flows are moderately to intensely serpenitized and consist of 95% green serpentine (remnant olivine) cumulate grains which are tightly packed. Flows are cut by 2-3% white fibrous serpentine ± carbonate stringers & about 12% black vfg diffuse chlorite - serpentine fractures with magnetic halos. MINERALIZATION: 10% gray to metallic disseminated vfg magnetic of halos of magnetite about fractures. Scattered vfg pyrrhotite blebs. Lower contact gradual.	864595	141.5	143	1.5	0	3327	8	159	20	27
143	146			Peridotite flow KPD	Same as 72-108.1 m. MINERALIZATION: 2% vfg pyrrhotite ± pentlandite blebs scattered in section, local section up to 5% containing vfg pyrrhotite dusting s.vfg pyrrhotite ± pentlandite rimming or within black vfg serpentine spheres from 143-145.8 (3-4%). Sharp lower contact.	864596	143	144.5	1.5	2	2618	33	180	15	21
						864597	144.5	146.1	1.6	2	3798	60	143	40	55

# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP. /LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. HUF10-01 PAGE 7 of 10  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHOTYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS					
M	F					SAMPLE No.	FROM	TO	LENGTH	% SUL	NI	Cu	Co	PK	Pd
146.1	177			Pyroxenite Flows KPx	Greenish grey, VFg-Fg, non-magnetic, massive Pyroxenite or basalt. The flows consist of a VFg aphanitic massive groundmass with 15-20% light green fine pyroxene laths (1 x 5mm size). Intercalated with the VFg sections are Fg green speckled intrusive textured massive sections. They are comprised of 70-80% light green pyroxene laths (in partial mutual contact), 10% dark green chloritized olivine grains and 10% white VFg plagioclase grains interlocked. The Fg sections are 146.5-147.9, 160.4-163.7, 167-168.7 MINERALIZATION: 0.5-1% VFg diss'd Po throughout with higher concentrations (146.1-147.6 MINERALIZATION: 2% very finely diss'd Po) 149.9-156.3 MINERALIZATION: 1-2% VFg diss'd Po during. 156.3-157.9 MINERALIZATION: 5% VFg brown pyrrhotite blebs with possible pentlandite flashers, The blebs are concentrated in graphitic fractures (7% weakly tectonic brecciation. 165.15 Graphitic Fracturing. 165.3 Vario litic flow top? tops uphole? 176-177 MINERALIZATION: 1% VFg-Fg diss'd Po 176.5-177 Black VFg Serpentine Filled Fractures.										
						864548	146.1	147.6	1.5	2	8545	461	155	112	188
						864548	156.3	157.9	1.3	1.5	79	97	36	7	40
						600156.3	157.9	166.3	1.6	5	505	305	83	19	29
						864601	176	177	1	1	311	97	57	14	21







# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP. / LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. KUF10-01 PAGE 10/10  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		# REC	# ROD	LITHOTYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS					
M <input type="checkbox"/>	FI <input type="checkbox"/>					FROM	TO	LENGTH	% SUL	Ni	Cu	Co	Pb	Zn	
190.9	191.15			Graphite	Black Vfg graphite with 15% Vfg brown pyrrhotite Zone wisping filled fractures and blebs (cm size) Sg, S20 15% pentlandite: Vfg-fg in Po. Lower contact sharp.	86460	190.9	191.15	0.25	20	3.71	1874	869	84	12.36
191.15	193.7			Pyroxenite Flow KPx	Greenish grey, Vfg, massive, non-magnetic, aphanitic pyroxenite with local orthocumulate patches (10-50% dark grey, equant olivine grains surrounded by Vfg aphanitic pyroxenite groundmass) Minor dark green serpentine-chlorite filled tensional fractures. local black graphite fragments 191.15-191.25 MINERALIZATION: 12% Vfg brown pyrrhotite filled fracturing. 193.4-193.7 MINERALIZATION: 4% Vfg brown pyrrhotite & pentlandite specks to blebs, 10% Vfg black graphite shards. Lower contact gradational.	86467	191.15	193.7	1.35	1	760	1294	9	11	9
193.7	197			Pyroxenite Spinifex Flow KPx, Sx	Light green, Vfg, massive, spinifex textured massive pyroxenite flow. It is comprised of 10-20% dark green pyroxene fine needles to blades (random spinifex) in Vfg aphanitic pyroxenite groundmass. MINERALIZATION: Trace disseminated Po. 194.4-194.9 MINERALIZATION: 4% Vfg brown pyrrhotite & pentlandite blebs.	86467	193.7	197	1.3	1	1386	276	103	52	78

# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY HUCAMP MINES NTS 42A/10  
 PROPERTY Alexo-Dundonald DISTRICT Porcupine  
 COMMENCED May 8, 2001 TWP./LAT. LONG. Dundonald  
 COMPLETED May 9, 2001 CON. I, Lot 1, N 1/2, W 1/4  
 CLAIM 11280605  
 OBJECTIVE Test Dundonald Sill CO-ORDINATES 600W, 8300N  
S13255, 5306840

CORE SIZE NQ  
 CONTRACTOR Braceley Bros.  
 DATE LOGGED May 15-16, 2001  
 LOGGED BY Kevin Montgomery  
 DDH COMMENTS J Kevin Montgomery

SURVEY DEPTH	DIP	AZIMUTH
41	-47.3	014.5
92	-42.3	—
149	-47.4	—

Hole No. KUFI1-01 PAGE 1/2  
 COLLAR AZIMUTH 020  
 COLLAR DIP -45  
 ELEVATION  
 LENGTH 149 m

INTERVAL		% REC	% ROD	LITHOLOGY	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS												
M	Ft					FROM	TO	LENGTH	% SUL	Cu	Pd	Pt	Au									
	0		31		Overburden																	
	31		86.2		Pyroxenite Light green, Fg, massive, non-magnetic, soft, Intrusion homogenous pyroxenite intrusion. The pyroxenite is composed of 85% light green Fg. Fg very fine (≤1mm) pyroxene laths in mutual contact & interlocked. Dark green to black vfg chlorite interstitial to pyroxenite. Intrusion has about 2% dark green chlorite spots (3-5mm) scattered throughout it and 1-2% white quartz blebs (3-5mm) throughout. 48.3-49 Fracturing at low angles to CH, RQD=0. 49-53 MINERALIZATION: Trace vfg chalcopyrite. 56-56.3 fault zone - green pyroxenite mud. 64-74.8 Scattered white Cg plagioclase ragged blocks (85% white weakly zoned plagioclase interlocked laths with vfg green pyroxenite material interstitial to the laths). 79.3-80.8 MINERALIZATION: Trace very fine chalcopyrite. 80.8-86.2 MINERALIZATION: Trace very fine pyrrhotite. 87-91.3 Section is plagioclase enriched. It contains 1-5% white vfg plagioclase intercumulus.	864676	41	44	3	0		2	45	1								
						677	44	47	3	0		1	45	3								
						678	47	49	3	0		4	45	4								
						679	49	51	2	0.1		1	45	4								
						680	51	53	2	0.1		47	45	2								
						681	53	56	3	0		4	45	3								
						682	56	59	3	0		2	6	1								
						683	59	62	3	0		1	45	4								
						684	62	65	3	0		13	45	4								
						685	65	68	3	0		1	45	4								
						686	68	71	3	0		6	45	1								
						687	71	74	3	0		3	45	4								
						688	74	77	3	0		6	6	4								
						864611	77	79.3	2.3	0.1		44	5	5	1							
						612	79.3	80.8	1.5	0.1		115	1	45	4							
						613	80.8	83.2	2.4	0.1		68	3	5	4							
						864614	83.2	86.2	3	0.1		97	3	45	4							

Sh. in lower contact 15 m

# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP. /LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. HVFH-01 PAGE 2 2  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHOTYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS				
M <input type="checkbox"/>	FT <input type="checkbox"/>					SAMPLE No.	FROM	TO	LENGTH	% SUL	Cu	Pd	PE	Au
86.2	149			Peridotite	Black Fy, massive, magnetic, peridotite intrusion. It is composed of 80-85% black subrounded olivine cumulate grains (1-2mm size) surrounded by a grey Vfg. plagioclase-olivine matrix or white Vfg devitrified glass. Intrusion cut by local dark green Vfg serpentine filled fractures or white calcite-serpentine veins. Fractures.	864615	86.2	89	2.8	0	28	17	26	<1
					MINERALIZATION: 5-7% dull grey Vfg magnetite interstitial to olivine cumulate. Local magnetite stringers. Below 110m, very finely disseminated pyrite throughout peridotite.	864616	110	111.5	1.5	0.5	68	1	25	<1
					99-102 3% reddish brown serpentine? intercumulus to the olivine.	864617	114.5	116	1.5	0.5	113	28	25	5
					110-111.5 MINERALIZATION: 0.5-trace Vfg finely Py.	864618	116	119	3	0.5	18	20	15	3
					115.6 Light greenish white Vfg quenched pyroxenite fragment	864619	119	122	3	0.5	11	29	13	3
					114.5-149 MINERALIZATION: Trace to 0.5% Vfg to microscopic finely disseminated pyrite. Local <sup>local</sup> Pyrite	864620	122	125	3	0.5	138	27	10	3
					125.7-127.7 Blocky core, RQD=0 strongly fractured section with fault gouge slips.	864621	134	137	3	0.5	590	34	10	14
					134-144 <sup>Local</sup> white carbonate-green serpentine veinlets cutting peridotite at random angles.	864622	137	140	3	0.5	187	21	25	1





# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP./LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. HUF12-01 PAGE 3/7  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHO TYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS				
M	Ft					FROM	TO	LENGTH	% SUL	Cu	Pd	PE	AN	
						864624	116.3	118.8	2.5	0	522	4	25	2
						864625	118.8	120.5	1.7	0.1	844	7	28	31
					118.8-128.5 MINERALIZATION: Trace very finely disseminated chalcopyrite and Pyrite. (Pin prick size)	864626	120.5	122	1.5	0.1	271	107	115	16
					135-136 MINERALIZATION: Trace very finely disseminated chalcopyrite.	864628	123.5	125	1.5	0.1	391	4	9	28
					136-136.7 MINERALIZATION: 2% Fg brown pyroxenite disseminations in a gabbroic pyroxenite section (20-22% chlorite clots)	864629	125	126.5	1.5	0.1	147	8	11	3
					Lower contact sharp, 10 to CA.	864630	126.5	129.5	3	0.1	9	16	1	
						864631	129.5	132.5	3	0	8	14	2	
						864632	132.5	135.5	3	0	6	25	21	
						864631	135.5	136.7	1.1	2	169	9	6	1
136.7	139.3			Peridotite Intrusion Pd	Black with white snowflakes, Fg, massive magnetic peridotite intrusion. The white snowflakes are 1-2cm diameter orthocumulate patches in a mesocumulate host. Intrusion contains 60% orthocumulate patches (60% Fg olivine cumulate grains in white devitrified glass). The host mesocumulate consists of 90% tightly packed olivine cumulate. MINERALIZATION: 0.5-1% Fg disseminated pyroxenite. Sharp lower contact with fault gouge.	864632	136.7	139.3	2.6	1	63	11	25	3

# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP. /LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. HUF12-01 PAGE 47  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		LITHO TYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS					
M <input type="checkbox"/>	FE <input type="checkbox"/>			FROM	TO	LENGTH	% SUL	Cu	Pd	PT	Au		
139.3	151.4	Pyroxenite Intrusion Px	light grey, non magnetic, homogenous, massive pyroxenite intrusion. It consists of 80% green pyroxene cumulate grains (equant) in mutual contact and surrounded by 10% white vfg quartz-plagioclase matrix and 3-5% grey vfg serpentine intercumulus blebs. light pale green redigitite stringers.	692	139.3	142	2.7	0	10	13	7		
150.7	151.4	MINERALIZATION:	0.5% Fg brown pyroxenite disseminations in a section with 20% dark green chlorite specks (transition to peridotite) Gradational contact.	693	142	145	3	0	5	9	7		
				694	145	148	3	0	4	45	41		
				695	148	150	2	0	4	45	1		
				696	150	151.4	1.4	0.2	103	4	45	2	
151.4	160.6	Peridotite Intrusion Pd	Black, Fg, massive, homogenous, magnetic peridotite intrusion. The upper portion 151.4-153 is white speckled (devitrified glass) while lower portion has 25% white scattered "snowflakes" similar to 136.7 to 139.3m. The peridotite is composed of 80-90% black olivine cumulate equant grains in mutual contact and with white devitrified glass matrix. About 10% vfg reddish unknown mineral (phyllosilicate?) in the intercumulus matrix. MINERALIZATION: Nil Sulphides,	634	151.4	152	0.7	0	51	13	10	1	

# DIAMOND DRILL LOG

COMPANY H. ... NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP. /LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. HUF12-01 PAGE 5 / 7  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHOLOGY	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS				
M	FT					FROM	TO	LENGTH	% SUL	Cu	Pd	PE	Au	
					brown pyrrhotite disseminations in an orthocumulate section (40% black large olivine cumulate (2-3mm) in white devitrified matrix) 152.4-153 Mesocumulate, mesh like texture. Lower contact sharp 65 to CA.	864696	159	160.6	166	0.1		4	45	41
160.6	188.7			Pyroxenite	Pyroxenite same as 116.3-136.7m. The intrusion pyroxenite consists of a Fg-VFg green pyroxene latite (80%) in partial mutual contact and surrounded by a green serpentine ± plagioclase matrix.	864697	160.6	163.5	2.9	0		3	45	3
				Px		864698	163.5	166.5	3	0		3	45	1
					160.6-164 light green, VFg, section with 10% VFg beige to light green quartz-feldspar stringers to hairline fractures. From 161-163, 3% white quartz plagioclase specks (1-2mm) which are intercumulative matrix to pyroxene cumulate.	864639	166.5	169	2.5	0.1	152	5	45	4
						864636	169	171.2	2.25	0.1	94	5	45	1
				quartz		864699	171.2	174	2.8	0		4	45	41
						864700	174	177	3	0		4	45	41
					166.5-171.25 Mineralization: Trace (0.1%) VFg finely disseminated chalcopyrite	864701	177	179	2	0		4	45	1
					181-187 Mineralization Trace (0.1%) VFg finely disseminated chalcopyrite & pyrrhotite.	864702	179	181	2	0		5	45	2
						864637	181	184	3	0.1	83	4	45	41
					188.4-198.7 Mineralization: 0.5-1% Fg brown pyrrhotite disseminations.	864638	184	187	3	0.1	116	8	5	1
						864637	187	190.7	1.7	0.5		9	5	2



# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP /LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. HUF12-01 PAGE 6, 7  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		% REC	% ROD	LITHO TYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS				
M	FT					FROM	TO	LENGTH	% SUL	Cu	Pd	Pt	Au	
188.7	194.8			Peridotite Intrusion Pd	Black, white speckled Peridotite same as 52 to 116.3m. Peridotite cut by black vfg serpentine-chlorite fracture S (1-3mm). Trace reddish unknown mineral (phyllosilicate) in interconulus material. MINERALIZATION: Trace vfg pyrite diss along fracture slips, local vfg magnetite net textured patches. Upper contact gradational and lower contact sharp 65 to CA with fault gouge slip.	864704	198.7	191	2-3	0.1		5	25	4
194.8	218.9			Pyroxenite Intrusion Px	Pyroxenite same as 160.6-188.7m. The pyroxenite contains 3% dark green chlorite-serpentine. Fine specks. It is also cut by 1-2% very fine light green quartz-feldspar hairline stringers and white vfg quartz veinlets (3-5mm). MINERALIZATION: Dominantly Nil sulphides. Lower contact sharp 75 to CA.	864704	194.8	197	2.2	0		5	6	41
						864704	197	200	3	0		6	9	41
						708	200	203	3	0		7	8	41
						709	203	206	3	0		5	7	41
						864704	206	209	3	0		5	6	1
						864711	209	212	3	0		7	8	2
						864712	212	215	3	0		5	25	4
						864713	215	217	2	0		6	6	4
						864714	217	218.9	1.9	0		3	25	11
218.9	221			Peridotite Intrusion Pd	Peridotite same as 136.7-139.3m. MINERALIZATION: Nil sulphides. Lower contact sharp 40 to CA.	864715	218.9	221	2.1	0		11	11	2

# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY \_\_\_\_\_ NTS \_\_\_\_\_ CORE SIZE \_\_\_\_\_  
 PROPERTY \_\_\_\_\_ DISTRICT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_  
 COMMENCED \_\_\_\_\_ TWP. /LAT. LONG. \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COMPLETED \_\_\_\_\_ CLAIM \_\_\_\_\_ LOGGED BY \_\_\_\_\_  
 OBJECTIVE \_\_\_\_\_ CO-ORDINATES \_\_\_\_\_ DDH COMMENTS \_\_\_\_\_

SURVEY DEPTH	DIP	AZIMUTH

Hole No. HUF 12-01 PAGE 7/7  
 COLLAR AZIMUTH \_\_\_\_\_  
 COLLAR DIP \_\_\_\_\_  
 ELEVATION \_\_\_\_\_  
 LENGTH \_\_\_\_\_

INTERVAL		LITHOLOGY	DESCRIPTION	SAMPLE				ASSAYS				
M <input type="checkbox"/>	FI <input type="checkbox"/>			FROM	TO	LENGTH	% SUL	Cu	Pt	Pt	Au	
221	234.2	Pyroxenite Intrusion Px	Pyroxenite same as 160.6-183.7m. It contains 1% dark green chlorite-serpentine specks and is cut by 1-2% very fine light green quartz-feldspar hairline (4mm) fractured stringers. From 227-233 light green vfg plagioclase intercumulus specks throughout. MINERALIZATION: Rare trace disseminated very fine sulphides. Lower contact sharp 45 to Ch.	804716 717 718 719 720	221 224 227 230 233	224 227 230 233	3 3 3 3 2.5	0 0 0 0 0		14 4 25 55 6	25 8 36 47 42	1 21 2 2 5
234.2	251	Peridotite Intrusion Pd	Black with white snowflakes, fgy; massive, magnetic peridotite intrusion. The white snowflakes are 5mm-1cm diameter orthopyroxene in black mesocumulate host. Intrusion contains 70% orthocumulate patches (60% fgy olivine cumulate grains in white devitrified glass). The host mesocumulate consists of 90% tightly packed black olivine cumulate. MINERALIZATION: Trace to 0.5% very finely disseminated sulphides, 5% magnetite as dissemination in intercumulus and local blebs 234.2-235.7 MINERALIZATION: Trace yellow vfg chalcopyrite dissemination. 239.5-239.5 Black adcumulate band 95-100% olivine	864639 640641 641	234.2 235.7 239 242	235.7 239 242	1.5 3.3 3	0.1 0.1 0.1	106 112 115	4 6 8	25 6 7	2 1 1

# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION ALTERATION

COMPANY HUCAMP MINES NTS 42 A/10  
 PROPERTY Alexo-Dundonald DISTRICT Porcupine  
 COMMENCED May 15, 2001 TWP./LAT. LONG. Dundonald  
 COMPLETED May 16, 2001 CO-ORDINATES 585W, 1345N  
 OBJECTIVE Test Dundonald sill  
 GPS - 5386881, 513276

CORE SIZE NQ / BQ  
 CONTRACTOR Bradley Bros.  
 DATE LOGGED May 18, 2001  
 LOGGED BY K. Montgomery  
 DDH COMMENTS J. Kevin Montgomery

SURVEY DEPTH	DIP	AZIMUTH
50	-46.6	199.8

Hole No. HUF3-01 PAGE 1 / 3  
 COLLAR AZIMUTH 200  
 COLLAR DIP -45  
 ELEVATION  
 LENGTH 116 m

INTERVAL		% REC	% ROD	LITHO TYPE	DESCRIPTION	SAMPLE				ASSAYS								
M	Ft					FROM	TO	LENGTH	% SUL	Cu	Pd	PE	Au					
0	34			Overburden														
34	116			Pyroxenite	Greenish grey, Fg, massive, non-magnetic, soft	864721	34	36	2	0		2	25	21				
				Intrusion	homogeneous pyroxenite intrusion. It is composed of 85% light grey fine to very fine (4mm size) pyroxene laths in mutual contact & interlocked (felt like mass). The matrix hosting the pyroxene laths is a Vfg green chlorite - serpentine matrix. The pyroxenite contains overall green Vfg chlorite spots (3-5mm) which are patches of matrix without pyroxene laths. Local "gabbroic" sections of 10-15% green chlorite-serpentine spots (5mm); The pyroxenite also contains 1-2% gray to white quartz blebs (1-3mm). Very minor white quartz veinlets.	722	36	38	2	0		2	25	2				
				px	Composed of 85% light grey fine to very fine (4mm size) pyroxene laths in mutual contact & interlocked (felt like mass). The matrix hosting the pyroxene laths is a Vfg green chlorite - serpentine matrix. The pyroxenite contains overall green Vfg chlorite spots (3-5mm) which are patches of matrix without pyroxene laths. Local "gabbroic" sections of 10-15% green chlorite-serpentine spots (5mm); The pyroxenite also contains 1-2% gray to white quartz blebs (1-3mm). Very minor white quartz veinlets.	723	38	41	3	0		6	7	1				
						724	41	44	3	0		7	12	21				
						725	44	47	3	0		8	13	21				
						726	47	50	3	0		9	11	21				
						727	50	51.5	1.5	0		12	13	21				
						864728	51.5	53	1.5	0		13	17	21				
						864729	53	55	2	0.5		53	269	21				
						864730	55	56.2	1.2	0.5		390	287	3				
						864642	56.2	57.5	1.3	0.5		1364	315	253	7			
						864643	57.5	59	1.5	0.5		91	427	339	13			
						864644	59	60.5	1.5	0.5		158	558	361	51			
						864645	60.5	62	1.5	0.5		739	28	74	41			
						864646	62	63.3	1.3	0.5		725	12	38	27			

enrich

# DIAMOND DRILL LOG

LITHOLOGY  
STRUCTURE  
MINERALIZATION  
ALTERATION

COMPANY	NTS	CORE SIZE
PROPERTY	DISTRICT	CONTRACTOR
COMMENCED	TWP. /LAT. LONG.	DATE LOGGED
COMPLETED	CLAIM	LOGGED BY
OBJECTIVE	CO-ORDINATES	DDH COMMENTS

SURVEY DEPTH	DIP	AZIMUTH

Hole No. HUF13-01 PAGE 2 3

COLLAR AZIMUTH

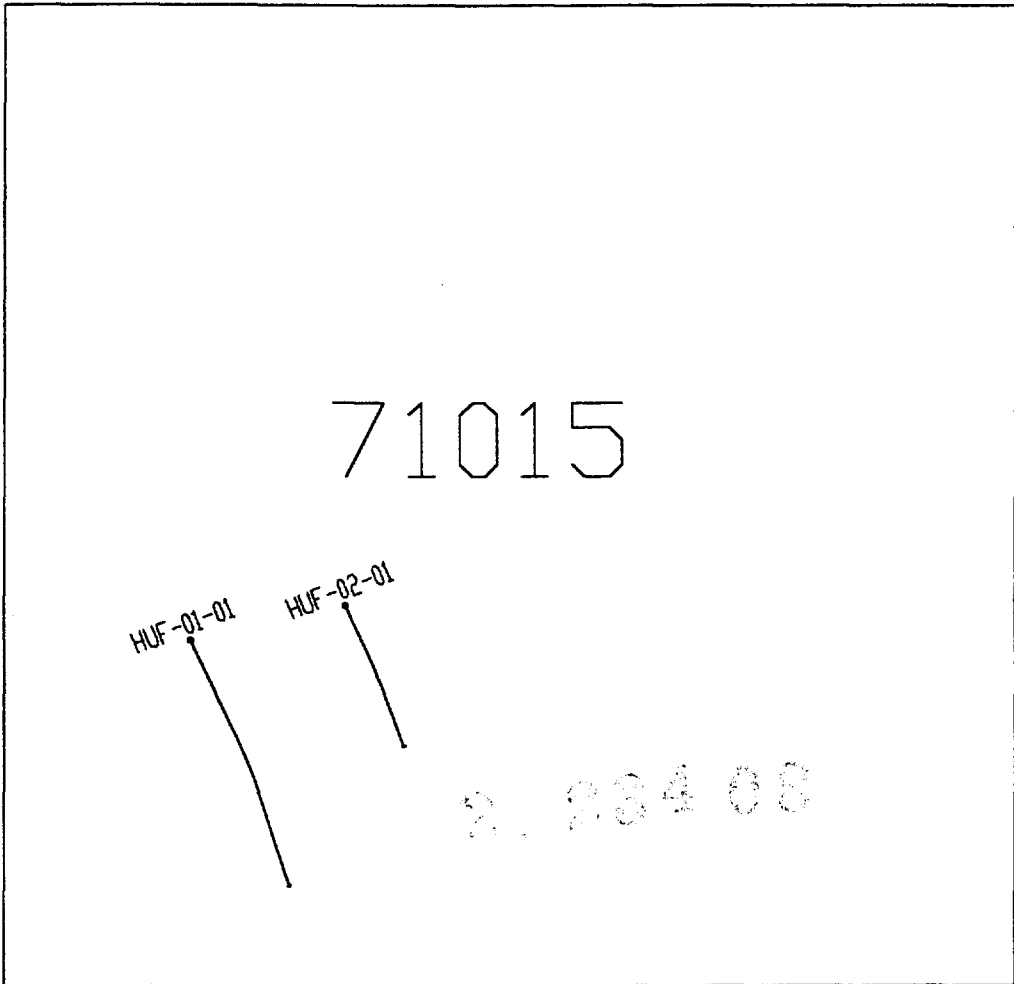
COLLAR DIP

ELEVATION

LENGTH

INTERVAL		LITHO TYPE	DESCRIPTION	SAMPLE				ASSAYS				
M	Ft			FROM	TO	LENGTH	% SUL	CU	PD	PT	AU	
			56.1-63.3 3.5% dark green chlorite-serpentine spots and MINERALIZATION: 0.5-trace Vfg Chalcopyrite specks in the chlorite specks throughout, also a microscopic sulphide disseminated throughout.	864647	63.3	65.6	2.3	0	338	110	84	77
				864648	65.6	67.4	1.8	0.1	537	150	107	176
				864649	67.4	69	1.6	0.5	693	11	31	20
			65.6-67.4 same as above.	864650	69	71	2	0.5	379	4	13	13V
				864651	71	74	3	0.5	777	4	25	16 Play
			67.4-91.3 MINERALIZATION: 0.5% yellow Vfg Chalcopyrite disseminations throughout. Local 1% section.	864652	74	77	3	0.5	650	4	25	10 rick
			70-90 Section with 4-5% Vfg plagioclase "white specks" intercumulus material.	864653	77	80	3	0.5	554	4	25	13
			77.1-77.5 Mg-Cg, gabbro block or dike (20% white mg plagioclase laths) with a Vfg silicified core 77.15-77.4m.	864654	80	83	3	0.5	673	4	25	8
				864655	83	86	3	0.5	479	4	25	5
				864656	86	89	3	0.5	667	4	25	3
			91.3-94.6 Black to dark grey, Fg, massive, magnetic, peridotite. It consists of 40% black olivine cumulate grains (laths & prisms) in a Fg-Vfg pyroxene-chlorite matrix (orthocumulate). It has very gradational contacts with the pyroxenite.	864657	89	91.3	2.3	0.5	753	4	25	3
				864658	91.3	92.7	1.4	1.5	369	4	25	6
				864659	92.7	94.6	1.9	0.5	833	4	25	4
			91.3-92 MINERALIZATION: 2% brown Vfg-Fg disseminated pyrrhotite.	864660	94.6	96	1.4	0.5	673	4	25	5
				661	96	98	2	0.5	330	4	25	2
			92-92.7 same as above, 1%.	662	98	101	3	0.5	788	4	25	4
			92.7-94.6 Same as above. 0.5%.	RLH 663	101	104	2	0.5	497	11	15	2





71015

HUF-01-01

HUF-02-01

2, 234 03

0 100m



FALCONBRIDGE LIMITED

Dundonald Property  
Diamond Drill Hole  
Plan Map

HUF-1-01, HUF-2-01

scale: 1:3000  
date: 27/02/02

drawn by: PCI  
updated:

76533

HUF-04-01

HUF-03-01

HUF-07-01

HUF-08-01

HUF-09-01

HUF-10-01

HUF-09A-01

76628

0 100m



FALCONBRIDGE LIMITED

Diamond Drill Hole  
Plan Map

Dundonald Property

HUF-3-01, HUF-4-01, HUF-7-01  
HUF-8-01, HUF-9-01, HUF-9A-01, HUF-10-10

scale: 1:4000

drawn by PCJ

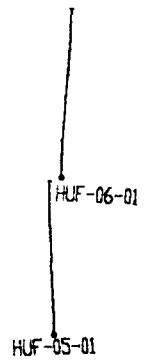
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Updated

*Jan*

SEC 8345  
PATENTED

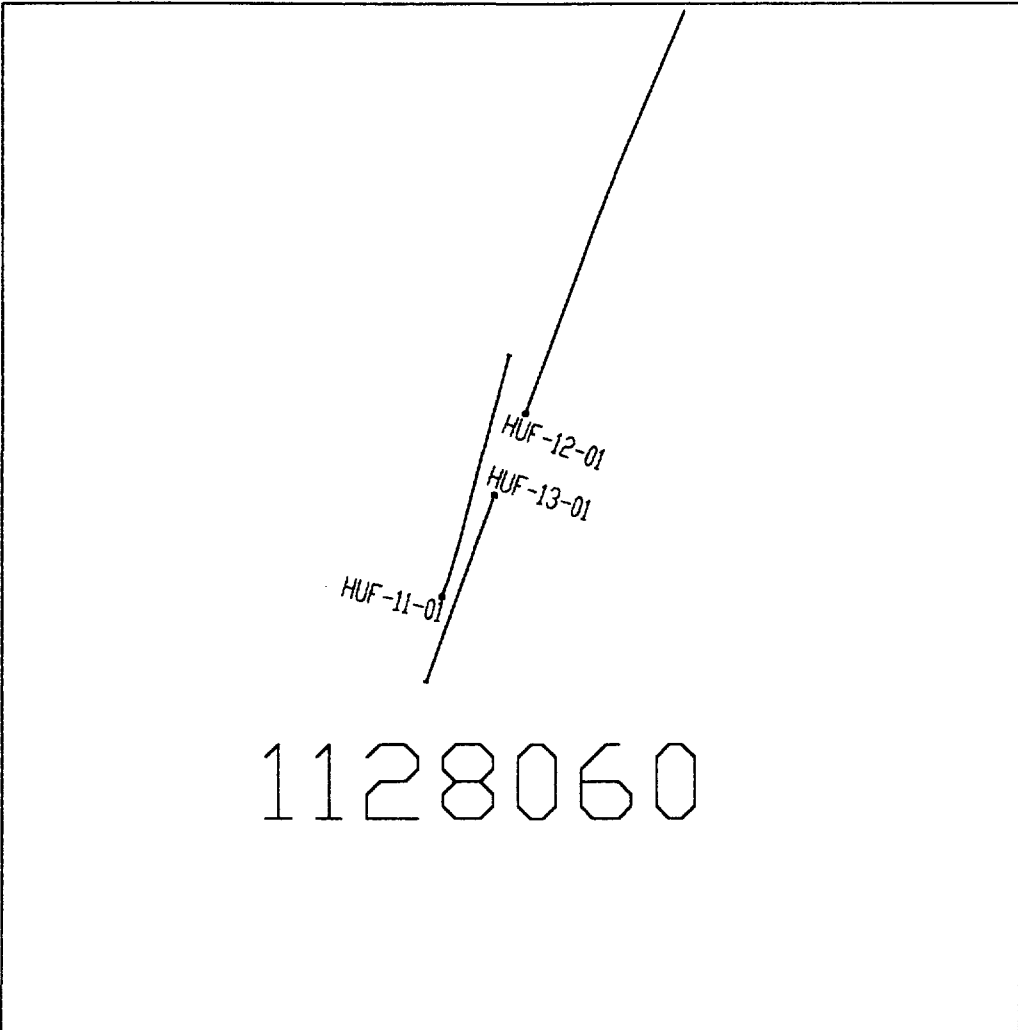
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FALCONBRIDGE LIMITED	
Diamond Drill Hole Plan Map Dundonald Property HUF-5-01, HUF-6-01	
scale: 1:4000	drawn by: PCD
date: 27/02/02	updated:

A handwritten signature in black ink, appearing to be 'Pw'.





0 100m



FALCONBRIDGE LIMITED	
Diamond Drill Hole Plan Map Dundonald Property HUF-11-01,HUF-12-01,HUF-13-01	
scale: 1:3000	drawn by: PCD
date: 27/02/02	updated:

*Handwritten signature*

**2. 234 08**

**Appendix 2: Assay Analyses**

HOLE ID	FROM	TO	SAMPLE #	CU PPM	ZN PPM	PB PPM	NI PPM	AU PPB	AG PPB	CO PPM	PT PPB	PD PPB
HUF-01-01	7	8.5	864411	45			1746			120		
HUF-01-01	8.5	10	864412	56			2178			127		
HUF-01-01	10	11.5	864413	44			1778			99		
HUF-01-01	11.5	13	864414	24			1100			104		
HUF-01-01	13	14.5	864415	42			1786			129		
HUF-01-01	14.5	16	864416	73			1972			128		
HUF-01-01	16	17.3	864417	156			4482			203		
HUF-01-01	17.3	18	864418	92			1770			142		
HUF-01-01	18	19	864419	187			4252			206		
HUF-01-01	19	20	864420	225			4924			184		
HUF-01-01	20	21	864421	122			3118	<1		212	20	25
HUF-01-01	21	21.5	864422	121			3514			235		
HUF-01-01	21.5	23	864423	89			2878			187		
HUF-01-01	23	24.5	864424	81			4792			152		
HUF-01-01	24.5	26	864425	13			2154			100		
HUF-01-01	26	27.5	864426	5			2078			102		
HUF-01-01	27.5	29	864427	6			3270			134		
HUF-01-01	29	30	864428	8			2740			122		
HUF-01-01	30	33	864429	12			2146			94		
HUF-01-01	33	35.5	864430	12			1960	<1		92	<5	3
HUF-01-01	35.5	36.5	864431	21			1980			94		
HUF-01-01	36.5	38	864432	32			1840			87		
HUF-01-01	38	41	864433	19			2360			104		
HUF-01-01	41	44	864434	32			4420			107		
HUF-01-01	44	45	864435	32			2260			108		
HUF-01-01	45	46	864436	24			2620			138		
HUF-01-01	46	49	864437	32			2140			94		
HUF-01-01	49	52	864438	80			2660			121		
HUF-01-01	52	53.5	864439	41			1860			101		
HUF-01-01	53.5	54.5	864440	46			1740	<1		88	8	9
HUF-01-01	54.5	57.5	864441	59			2520			119		
HUF-01-01	57.5	59	864442	62			2040			100		
HUF-01-01	59	60.5	864443	54			1360			85		
HUF-01-01	60.5	62	864444	73			2320			143		
HUF-01-01	62	65	864445	88			2960			125		
HUF-01-01	65	68	864446	48			2660			103		
HUF-01-01	68	71	864447	25			2720			106		
HUF-01-01	71	74	864448	26			2600			105		
HUF-01-01	74	77	864449	58			2200			118		
HUF-01-01	77	79	864450	70			2480	<1		123	6	9
HUF-01-01	79	81	864451	24			2040			107		
HUF-01-01	81	82.5	864452	35			1340			87		
HUF-01-01	82.5	83.9	864453	46			1400			90		
HUF-02-01	14.5	16	864454	76			2125			97		
HUF-02-01	16	17.5	864455	83			1952			128		
HUF-02-01	17.5	19	864456	72			1284			114		
HUF-02-01	26	27.5	864457	28			1955			90		
HUF-02-01	27.5	28.8	864458	68			3278			128		
HUF-02-01	28.8	29.8	864459	48			6591			153		
HUF-02-01	29.8	31	864460	81			2500			96		
HUF-02-01	31	32.5	864461	84			2177			107		
HUF-02-01	32.5	34	864462	44			2486			132		
HUF-02-01	52.9	54.4	864463	67			2242			83		
HUF-02-01	60.5	62	864464	60			3367			136		
HUF-02-01	62	63.6	864465	39			3132			138		
HUF-02-01	63.6	65	864466	42			1939			94		
HUF-02-01	65	66.5	864467	49			2050			98		
HUF-02-01	66.5	68	864468	42			2329			103		
HUF-02-01	68	69.5	864469	59			3278			155		
HUF-03-01	30.4	31	864470	70			1066			96		
HUF-03-01	31	31.4	864471	61			1043			95		
HUF-03-01	31.4	32.2	864472	49			781			75		
HUF-03-01	32.2	33	864473	43			1087			86		
HUF-03-01	76	77	864474	75			954			98		
HUF-04-01	51.8	52.5	864475	42			761			69		
HUF-04-01	52.5	53.4	864476	53			1143			86		
HUF-04-01	53.4	54.2	864477	44			1193			85		
HUF-04-01	99.3	100.8	864478	27			1759			93		

HUF-04-01	100.8	101.6	864479	40	1667		94		
HUF-04-01	101.6	102.4	864480	107	719		132		
HUF-05-01	34	35	864481	60	222		44		
HUF-05-01	35	36	864482	188	305		78		
HUF-05-01	36	37	864483	235	393		91		
HUF-07-01	26.8	27.8	864484	148	2100	<1	155	20	27
HUF-07-01	27.8	28.8	864485	272	6225	2	342	70	92
HUF-07-01	28.8	29.5	864486	272	6225	2	164	70	92
HUF-07-01	29.5	31.1	864487	817	504	35	164	9	8
HUF-07-01	31.1	32.4	864488	157	450	6	75	10	7
HUF-07-01	32.4	33.8	864489	567	425	31	138	8	4
HUF-07-01	33.8	34.8	864490	299	344	29	74	7	4
HUF-07-01	34.8	35.55	864491	498	347	36	107	9	4
HUF-07-01	35.55	36.1	864492	633	315	33	139	<5	3
HUF-07-01	36.1	37.6	864493	98	377	<1	44	14	12
HUF-07-01	42.1	43.2	864494	60	1116	<1	104	12	8
HUF-07-01	43.2	44.3	864495	49	1026	<1	98	9	7
HUF-07-01	57.5	59	864496	51	1227	2	84	11	9
HUF-07-01	59	60	864497	151	9318	14	384	94	120
HUF-07-01	60	61	864498	56	4871	6	215	86	86
HUF-07-01	61	62.5	864499	82	2004	<1	100	14	13
HUF-07-01	62.5	64	864500	77	2196	<1	116	11	13
HUF-07-01	64	65.8	864501	67	2035	<1	108	6	5
HUF-07-01	82	83.5	864502	24	2156	3	112	18	19
HUF-07-01	83.5	84.5	864503	25	2206	2	106	15	17
HUF-07-01	84.5	85.5	864504	34	2123	2	113	7	7
HUF-07-01	85.5	87	864505	31	2090	6	112	<5	3
HUF-07-01	87	88.5	864506	45	2098	3	106	8	5
HUF-07-01	88.5	89.8	864507	52	1806	5	111	7	5
HUF-07-01	89.8	91.2	864508	418	996	6	133	13	11
HUF-07-01	91.2	92.85	864509	206	7735	6	320	<5	1
HUF-07-01	92.85	93.5	864510	103	10857	26	413	131	133
HUF-07-01	93.5	95	864511	21	2006	4	103	28	30
HUF-07-01	136.5	138	864512	55	2079	5	103	11	13
HUF-07-01	138	138.6	864513	56	1638	2	100	<5	5
HUF-07-01	138.6	139.3	864514	24	673	5	58	10	6
HUF-07-01	139.3	140.55	864515	98	3330	3	144	24	33
HUF-07-01	140.55	141.25	864516	910	27600	48	582	262	392
HUF-07-01	141.25	142.3	864517	75	410	5	71	11	11
HUF-07-01	175.05	176	864518	69	1197	4	114	23	46
HUF-07-01	176	177.5	864519	13	2072	<1	87	6	4
HUF-07-01	177.5	179	864520	15	2431	3	111	7	9
HUF-07-01	179	180.5	864521	26	2649	8	112	9	9
HUF-07-01	180.5	182	864522	16	2189	2	101	10	9
HUF-08-01	22.8	24.5	864523	341	12157	40	717	142	198
HUF-08-01	24.5	26.2	864524	256	5523	4	352	6	10
HUF-08-01	26.2	28.05	864525	287	391	9	80	13	9
HUF-08-01	28.05	29.5	864526	615	373	22	135	<5	2
HUF-08-01	29.5	31.2	864527	331	406	12	107	6	5
HUF-08-01	31.2	32.7	864528	80	566	<1	71	14	11
HUF-08-01	32.7	34.2	864529	81	435	<1	65	16	12
HUF-08-01	34.2	35.7	864530	83	565	2	75	12	10
HUF-08-01	54.7	56.1	864531	64	2779	7	153	37	49
HUF-08-01	56.1	56.9	864532	73	365	2	57	11	11
HUF-08-01	56.9	58.3	864533	80	6836	4	309	<5	<1
HUF-08-01	89.3	90.5	864534	96	3870	8	170	51	60
HUF-08-01	90.5	92.15	864535	23	1576	2	94	16	15
HUF-08-01	132.7	133	864536	246	6493	32	333	57	70
HUF-08-01	133	133.4	864537	1402	53800	64	1162	294	480
HUF-08-01	133.4	134	864538	507	50400	200	664	1340	1760
HUF-08-01	152.3	153.5	864539	138	434	<1	73	11	10
HUF-08-01	153.5	154.6	864540	154	332	<1	69	14	12
HUF-08-01	171.75	173.25	864541	90	713	6	69	12	10
HUF-08-01	173.25	173.65	864542	724	32200	16	942	88	138
HUF-08-01	173.65	174.5	864543	530	17205	23	446	110	159
HUF-08-01	174.5	176	864544	44	1057	13	94	9	13
HUF-08-01	176	177.8	864545	80	1024	27	101	11	8
HUF-08-01	177.8	179	864546	80	3130	14	115	30	41
HUF-08-01	179	180.5	864547	59	1087	5	101	10	8

HUF-08-01	180.5	182	864548	47	427	2	68	11	9
HUF-09-01	26	27.3	864549	42	1301	1	102	8	6
HUF-09-01	27.3	28.7	864550	61	1333	3	120	8	6
HUF-09-01	34	35	864551	113	582	<1	76	11	8
HUF-09-01	35	36.3	864552	228	565	1	82	10	6
HUF-09-01	36.3	37.4	864553	650	359	38	133	6	1
HUF-09-01	37.4	38.3	864554	175	377	4	67	13	8
HUF-09-01	74.2	75	864555	196	14087	20	595	92	114
HUF-09-01	134.1	135.6	864556	13	2778	4	112	24	31
HUF-09-01	135.6	136.6	864557	109	9938	20	207	81	142
HUF-09-01	136.6	138.3	864558	79	6597	15	189	61	85
HUF-09-01	138.3	140.3	864559	75	3285	3	138	29	38
HUF-09-01	140.3	141.1	864560	178	4193	23	113	61	79
HUF-09-01	141.1	141.4	864561	2375	84400	136	1632	708	1100
HUF-09-01	141.4	141.9	864562	2271	73400	156	1235	724	1014
HUF-09-01	141.9	142.4	864563	6572	94800	118	1656	474	904
HUF-09-01	142.4	143.25	864564	4579	128000	144	2009	712	1042
HUF-09-01	143.25	144.5	864565	145	480	7	70	21	19
HUF-09-01	161	162.5	864566	101	97	5	44	25	22
HUF-09-01	162.5	163.8	864567	132	109	2	46	17	15
HUF-09-01	163.8	165.5	864568	592	360	34	109	6	2
HUF-09-01	165.5	166.5	864569	192	780	2	69	7	7
HUF-09-01	166.5	168	864570	78	2452	<1	118	7	6
HUF-09-01	168	169.5	864571	52	2416	<1	105	<5	4
HUF-09-01	169.5	171	864572	32	2575	1	111	7	4
HUF-09-01	171	172.5	864573	30	2480	34	109	<5	4
HUF-09-01	172.5	174	864574	32	2640	8	110	16	19
HUF-09-01	174	175.65	864575	43	2123	5	105	6	6
HUF-09-01	175.65	177	864576	69	2348	1	110	12	12
HUF-09-01	177	178	864577	157	6468	13	173	65	99
HUF-09-01	178	178.8	864578	783	8812	21	213	115	210
HUF-07-01	182	183.5	864579	21	2559	<1	120	13	15
HUF-07-01	183.5	185	864580	17	2383	2	113	9	10
HUF-07-01	185	186.5	864581	160	3157	6	144	32	39
HUF-07-01	186.5	188	864582	80	3154	3	175	32	41
HUF-07-01	188	189.5	864583	50	2744	6	139	26	38
HUF-07-01	201.5	203	864584	46	1016	3	109	5	6
HUF-07-01	203	204.5	864585	58	925	2	113	6	6
HUF-07-01	204.5	206	864586	46	943	3	113	11	8
HUF-10-01	36	37.5	864587	187	556	1	89	10	10
HUF-10-01	37.5	39	864588	154	579	1	77	5	6
HUF-10-01	39	40.1	864589	686	464	32	153	<5	<1
HUF-10-01	40.1	41.3	864590	334	354	20	102	6	6
HUF-10-01	41.3	42.5	864591	555	403	24	122	<5	3
HUF-10-01	99.5	101	864592	37	1618	4	104	11	10
HUF-10-01	101	101.7	864593	20	10547	16	430	100	106
HUF-10-01	101.7	102.4	864594	19	2773	9	135	49	65
HUF-10-01	141.5	143	864595	8	3327	2	159	20	27
HUF-10-01	143	144.5	864596	33	2618	2	180	15	21
HUF-10-01	144.5	146.1	864597	60	3798	7	143	40	55
HUF-10-01	146.1	147.6	864598	461	8545	25	155	112	188
HUF-10-01	155	156.3	864599	97	79	<1	36	7	10
HUF-10-01	156.3	157.9	864600	305	506	1	83	19	29
HUF-10-01	176	177	864601	97	311	1	57	14	21
HUF-10-01	177	177.6	864602	698	1335	14	124	7	15
HUF-10-01	177.6	178.5	864603	191	6065	5	175	50	72
HUF-10-01	178.5	179.5	864604	252	9922	32	181	260	416
HUF-10-01	179.5	180.1	864605	117	1866	<1	101	11	14
HUF-10-01	180.1	181.5	864606	63	2424	<1	93	<5	4
HUF-10-01	181.5	182.5	864607	40	2410	<1	102	<5	3
HUF-10-01	189.6	190.2	864608	317	15077	16	309	198	317
HUF-10-01	190.2	190.9	864609	1451	83500	157	1298	1008	1451
HUF-10-01	190.9	191.15	864610	1874	37100	243	869	84	1874
HUF-11-01	77	79.3	864611	44	864611	44	5	5	5
HUF-11-01	79.3	80.8	864612	115	<1	<1	<5	<5	1
HUF-11-01	80.8	83.2	864613	68	<1	<1	5	5	3
HUF-11-01	83.2	86.2	864614	97	<1	<1	<5	<5	3
HUF-11-01	86.2	89	864615	28	<1	<1	26	26	17
HUF-11-01	110	111.5	864616	68	<1	<1	<5	<5	1

HUF-11-01	114.5	116	864617	113	5		<5	28	
HUF-11-01	116	119	864618	18	3		15	20	
HUF-11-01	119	122	864619	11	3		13	29	
HUF-11-01	122	125	864620	138	3		10	27	
HUF-11-01	134	137	864621	590	14		10	34	
HUF-11-01	137	140	864622	187	1		<5	<1	
HUF-12-01	114.8	116.3	864623	191	<1		<5	<1	
HUF-12-01	116.3	118.8	864624	522	2		<5	<1	
HUF-12-01	118.8	120.5	864625	844	31		28	7	
HUF-12-01	120.5	122	864626	271	16		115	107	
HUF-12-01	122	123.5	864627	253	<1		76	29	
HUF-12-01	123.5	125	864628	391	<1		9	4	
HUF-12-01	125	128.5	864629	147	3		11	8	
HUF-12-01	135	136.1	864630	169	1		6	9	
HUF-12-01	136.1	136.7	864631	62	11		10	9	
HUF-12-01	136.7	139.3	864632	63	3		<5	11	
HUF-12-01	150	151.4	864633	193	2		<5	4	
HUF-12-01	151.4	152.1	864634	51	1		10	13	
HUF-12-01	166.5	169	864635	152	<1		<5	5	
HUF-12-01	169	171.25	864636	94	1		<5	5	
HUF-12-01	181	184	864637	83	<1		<5	4	
HUF-12-01	184	187	864638	116	1		5	8	
HUF-12-01	234.2	235.7	864639	106	2		<5	4	
HUF-12-01	235.7	239	864640	112	1		6	6	
HUF-12-01	239	242	864641	115	1		7	8	
HUF-13-01	56.2	57.5	864642	1364	7		253	315	
HUF-13-01	57.5	59	864643	91	13		339	427	
HUF-13-01	59	60.5	864644	158	51		361	558	
HUF-13-01	60.5	62	864645	739	41		74	28	
HUF-13-01	62	63.3	864646	725	27		38	12	
HUF-13-01	63.3	65.6	864647	338	77		84	110	
HUF-13-01	65.6	67.4	864648	537	176		107	150	
HUF-13-01	67.4	69	864649	693	20		31	11	
HUF-13-01	69	71	864650	379	13		13	4	
HUF-13-01	71	74	864651	777	16		<5	<1	
HUF-13-01	74	77	864652	650	10		<5	1	
HUF-13-01	77	80	864653	554	13		<5	<1	
HUF-13-01	80	83	864654	673	8		<5	<1	
HUF-13-01	83	86	864655	479	5		<5	1	
HUF-13-01	86	89	864656	667	3		<5	<1	
HUF-13-01	89	91.3	864657	753	3		<5	<1	
HUF-13-01	91.3	92.7	864658	369	6		<5	<1	
HUF-13-01	92.7	94.6	864659	833	4		<5	<1	
HUF-13-01	94.6	96	864660	673	5		<5	<1	
HUF-13-01	96	98	864661	330	2		<5	1	
HUF-13-01	98	101	864662	788	<1		<5	<1	
HUF-13-01	101	104	864663	492	2		<5	<1	
HUF-13-01	104	107	864664	610	<1		<5	<1	
HUF-13-01	107	110	864665	560	1		<5	1	
HUF-13-01	110	113	864666	626	<1		<5	1	
HUF-13-01	113	116	864667	490	1		<5	1	
HUF-10-01	182.5	184	864668	31	1	2539	110	5	6
HUF-10-01	184	185.5	864669	22	15	2324	111	6	6
HUF-10-01	185.5	187	864670	24	49	2371	110	10	11
HUF-10-01	187	188.6	864671	45	1	2206	101	12	10
HUF-10-01	188.6	189.6	864672	90	1	2021	112	10	15
HUF-10-01	191.15	192.5	864673	1294	9	760	99	11	9
HUF-10-01	192.5	193.7	864674	560	22	1274	117	29	53
HUF-10-01	193.7	195	864675	276	29	1386	103	52	78
HUF-11-01	41	44	864676		1			<5	2
HUF-11-01	44	47	864677		3			<5	1
HUF-11-01	47	49	864678		4			<5	<1
HUF-11-01	49	51	864679		<1			<5	1
HUF-11-01	51	53	864680		2			<5	47
HUF-11-01	53	56	864681		3			<5	4
HUF-11-01	56	59	864682		1			6	2
HUF-11-01	59	62	864683		<1			<5	1
HUF-11-01	62	65	864684		<1			<5	13
HUF-11-01	65	68	864685		<1			<5	1

HUF-11-01	68	71	864686	1	<5	6
HUF-11-01	71	74	864687	<1	<5	3
HUF-11-01	74	77	864688	<1	6	6
HUF-12-01	126.5	129.5	864689	1	16	9
HUF-12-01	129.5	132.5	864690	2	14	8
HUF-12-01	132.5	135.5	864691	<1	<5	6
HUF-12-01	139.3	142	864692	7	13	10
HUF-12-01	142	145	864693	7	9	5
HUF-12-01	145	148	864694	<1	<5	4
HUF-12-01	148	150	864695	1	<5	4
HUF-12-01	159	160.6	864696	<1	<5	4
HUF-12-01	160.6	163.5	864697	3	<5	3
HUF-12-01	163.5	166.5	864698	1	<5	3
HUF-12-01	171.2	174	864699	<1	<5	4
HUF-12-01	174	177	864700	<1	<5	4
HUF-12-01	177	179	864701	1	<5	4
HUF-12-01	179	181	864702	2	<5	5
HUF-12-01	187	188.7	864703	2	<5	8
HUF-12-01	188.7	191	864704	4	<5	5
HUF-12-01	193	194.8	864705	1	5	12
HUF-12-01	194.8	197	864706	<1	6	5
HUF-12-01	197	200	864707	<1	9	6
HUF-12-01	200	203	864708	<1	8	7
HUF-12-01	203	206	864709	<1	7	5
HUF-12-01	206	209	864710	1	6	5
HUF-12-01	209	212	864711	2	8	7
HUF-12-01	212	215	864712	<1	<5	5
HUF-12-01	215	217	864713	<1	6	6
HUF-12-01	217	218.9	864714	11	<5	3
HUF-12-01	218.9	221	864715	2	11	11
HUF-12-01	221	224	864716	1	<5	14
HUF-12-01	224	227	864717	<1	8	4
HUF-12-01	227	230	864718	2	36	25
HUF-12-01	230	233	864719	2	47	55
HUF-12-01	233	234.2	864720	5	42	6
HUF-13-01	34	36	864721	<1	<5	2
HUF-13-01	36	38	864722	2	<5	2
HUF-13-01	38	41	864723	1	7	6
HUF-13-01	41	44	864724	<1	12	7
HUF-13-01	44	47	864725	<1	13	8
HUF-13-01	47	50	864726	<1	11	9
HUF-13-01	50	51.5	864727	<1	13	12
HUF-13-01	51.5	53	864728	<1	17	13
HUF-13-01	53	55	864729	<1	269	53
HUF-13-01	55	56.2	864730	3	287	390

2013-08-08

**Appendix 3: Property Description: Unpatented Mining Claims, Leases and Patents**



**Dundonald Township**

**Description**

**Claim #**

**Lease 104737**

L71004  
L71005  
L71006  
L71007  
L71008  
L71010  
L71011  
L71012  
L71013  
L71014  
L71015  
L71016  
L71017  
L71018  
L71193  
L71194  
L74882  
L74883  
L74884  
L74885  
L74886  
L74887  
L74888  
L76533  
L76626  
L76627  
L76628  
L76629  
L76630  
P292050  
P292763

**Patents**

8345 SEC  
795 SEC  
12697

**Unpatented Mining Claims**

P1113207  
P1113215  
P1113216  
P1113229  
P1127895  
P1127896  
P1128060  
P1128061  
P1128064  
P1128065  
P1133283

**Clergue Township**

**Description**

**Claim #**

Lease 107195

P292051

P292052

**Unpatented Mining Claims**

P1113612

P1113613

P1113614

P1113615



Date: 2002-JUN-12

GEOSCIENCE ASSESSMENT OFFICE  
933 RAMSEY LAKE ROAD, 6th FLOOR  
SUDBURY, ONTARIO  
P3E 6B5

FALCONBRIDGE LIMITED  
SUITE 1200, 95 WELLINGTON STREET WEST  
TORONTO, ONTARIO  
M5J 2V4 CANADA

Tel: (888) 415-9845  
Fax: (877) 670-1555

**Submission Number:** 2.23408  
**Transaction Number(s):** W0260.00689

Dear Sir or Madam

**Subject: Approval of Assessment Work**

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

If you have any question regarding this correspondence, please contact STEVEN BENETEAU by email at [steve.beneteau@ndm.gov.on.ca](mailto:steve.beneteau@ndm.gov.on.ca) or by phone at (705) 670-5855.

Yours Sincerely,



Ron Gashinski  
Senior Manager, Mining Lands Section

**Cc:** Resident Geologist

Paul Charles Davis  
(Agent)

Falconbridge Limited  
(Assessment Office)

Assessment File Library

Falconbridge Limited  
(Claim Holder)



MINISTRY OF  
NATURAL RESOURCES  
AND FORESTRY  
PROVINCIAL MINING  
RECORDERS OFFICE

**MINING LAND TENURE  
MAP**

Date / Time of Issue May 17 2002 10:31h Eastern

TOWNSHIP / AREA PLAN  
DUNDONALD G-3240

ADMINISTRATIVE DISTRICTS / DIVISIONS  
Mining Division Porcupine  
Land Titles/Registry Division COCHRANE  
Ministry of Natural Resources District COCHRANE

**TOPOGRAPHIC**

- Administrative Boundaries
- Township
- Concession Lot
- Provisional Fee
- Water Feature
- City, Village or Hamlet
- Contour
- Contour - Approximate
- Drain
- Water Feature
- Roadway
- Prop
- Trail
- Normal Gas Feature
- Hydro Line
- Communication Line
- Wooded Area
- Location of Mineral, Hydro or Water Control

**LAND TENURE**

- Freehold Patent
  - Surface And Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Leasehold Patent
  - Surface And Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- License of Occupation
  - Does Not Qualify
  - Surface And Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Land Use Permit
- Open to Crown
- Water Power Lease Approved
- Mining Claims

**LAND TENURE WITHDRAWALS**

- Area Withdrawn from Operation
  - Mining Act Withdrawal Types
  - Surface Rights Only Withdrawal
  - Surface Rights Only Withdrawal
  - Mining Rights Only Withdrawal
  - Order in Council Withdrawal Types
  - Surface Rights Only Withdrawal
  - Mining Rights Only Withdrawal

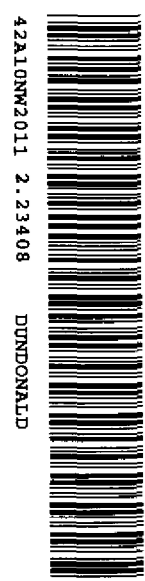
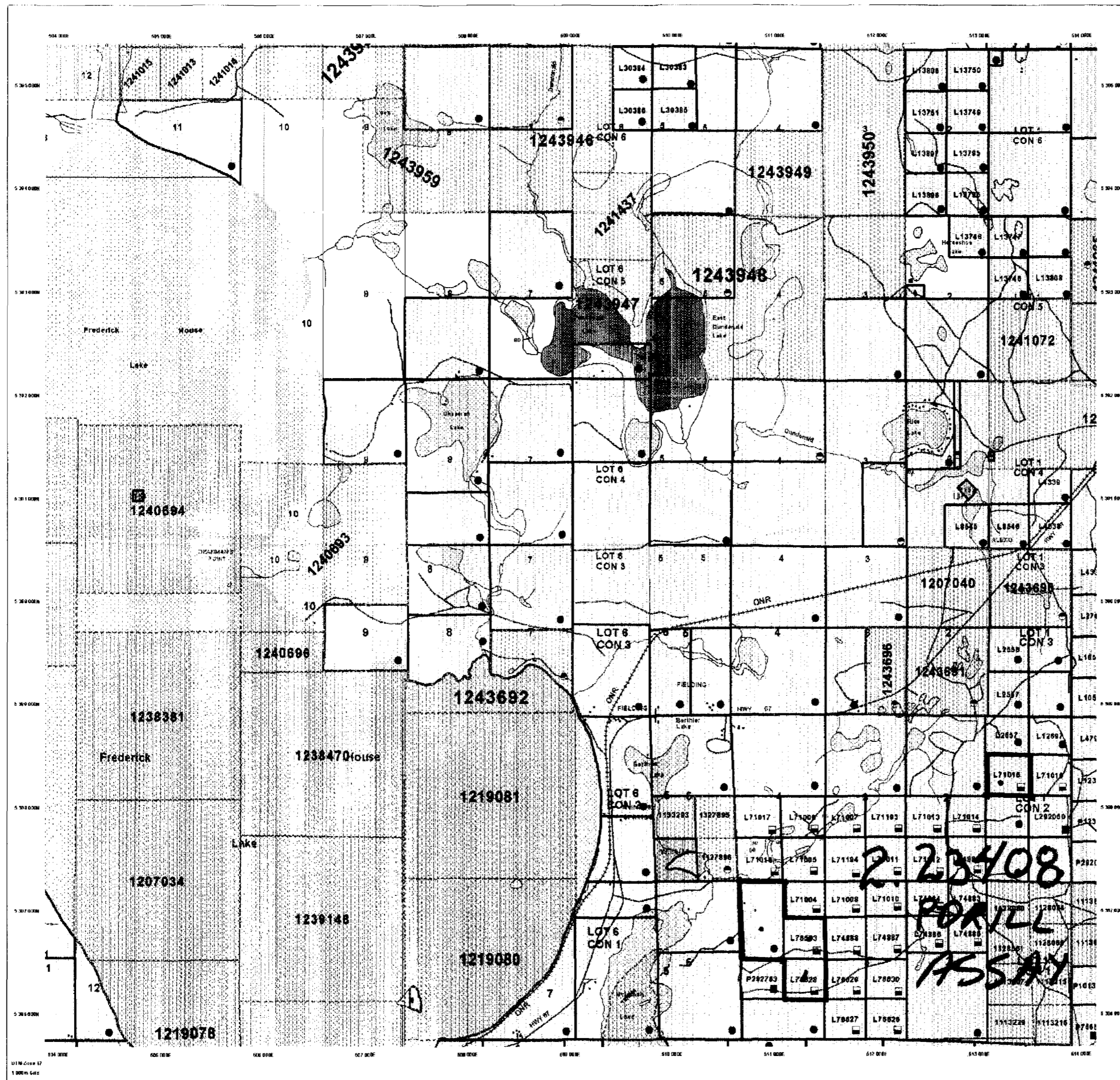
**IMPORTANT NOTICES**

**LAND TENURE WITHDRAWAL DESCRIPTIONS**

Mineral	Type	Date	Description
3197	With	Jan 1 2001	MRO 2100 27785 MR - SR
3146	With	Jan 1 2001	FLOODING RIGHTS ON FREDERICK HOUSE LAKE RESERVE TO ONTARIO
W8275	With	Jan 1 1999	HYDRO TO CONTAIN IN FV 505 FEET LOT 126, P.R. 24818, VOL. 2
			SEC 43/70 WILSON 112925 M - S 1583

**IMPORTANT NOTICES**

Areas under special regulations, withdrawal or conditions which affect mineral prospecting, mining and mineral development activities.



42A10NM2011 2.23408 DUNDONALD

200

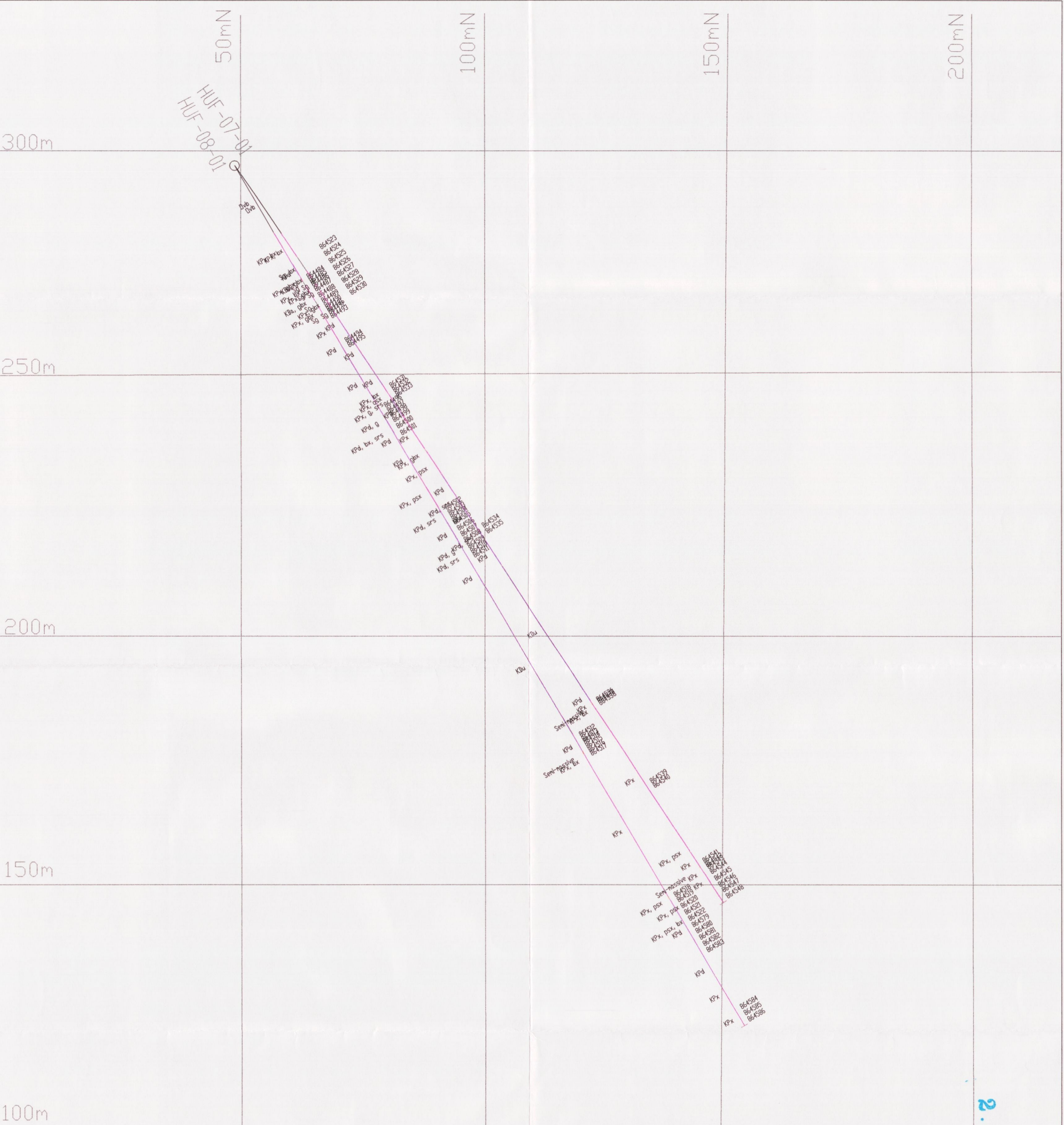
These mining claims should be consulted with the Provincial Mining Recorder's Office of the Ministry of Natural Resources and Forestry for additional information on the status of the lands shown. This map is not intended to be a legal document. It is intended to provide a general overview of the mining claims in the area. For more information, contact the Provincial Mining Recorder's Office at 1-800-387-3240.

**General Information and Limitations**

Provincial Mining Recorder's Office  
1481144  
1000 Guelph Street, Guelph, ON N1H 6S5  
Tel: 1-800-387-3240  
Fax: 1-519-773-3444  
Home Page: www.pnr.gov.on.ca/MNR/MINING/SR.html

Map Scale: 1:40,000  
Projection: UTM (Zone 18N)  
Datum: NAD 83  
Elevation: Mean Sea Level  
Mining Land Tenure Source: Provincial Mining Recorder's Office

This map does not show unregistered land tenure and interests in land including certain surface, mining, easements, right of way, mining rights, leasehold, or other forms of disposition of rights and interests from the Crown. Also certain land tenure and interests may not be shown on this map or you may wish to consult the Provincial Mining Recorder's Office for more information.

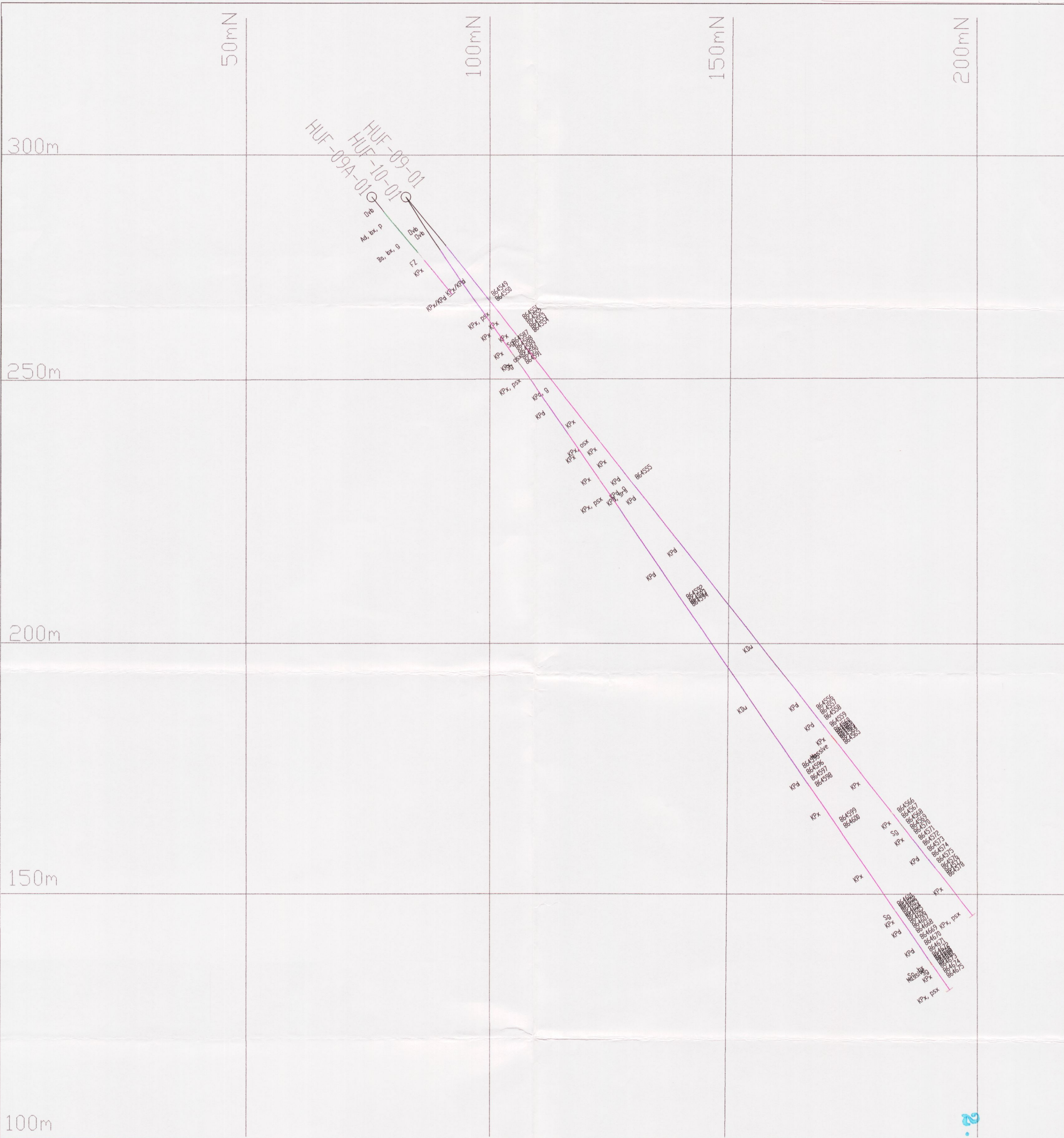


Rh	Rhyolite
Ad	Andesite
Ba	Basalt
KBa	Komatiitic Basalt
KPx	Komatiitic Pyroxenite
KPd	Komatiitic Peridotite
KDu	Komatiitic Dunite
Gb	Gabbro
Px	Pyroxenite
Pd	Peridotite
Sg	Graphitic Sediments
	Semi-Massive Sulphides
	Massive Sulphides

Dvb	Overburden
bx	breccia
psx	pyroxene spinifex
osx	olivine spinifex
srs	serpentine spheres
g	graphitic
gbx	graphite breccia
S#	Sulphide percentage

2.23408

FALCONBRIDGE LIMITED	
Diamond Drill Hole Vertical Section Dundonald Property HUF-07-01, HUF-08-01 Looking West	
scale: 1:500 date: 27/02/02	drawn by: PCD updated:



	Rh	Rhyolite
	Ad	Andesite
	Ba	Basalt
	KBa	Komatiitic Basalt
	KPx	Komatiitic Pyroxenite
	KPd	Komatiitic Peridotite
	KDv	Komatiitic Dunite
	Gb	Gabbro
	Px	Pyroxenite
	Pd	Peridotite
	Sg	Graphitic Sediments
		Semi-Massive Sulphides
		Massive Sulphides

	vb	Overburden
	bx	breccia
	psx	pyroxene spinifex
	osx	olivine spinifex
	srs	serpentine spheres
	g	graphitic
	gbx	graphite breccia
	S#	Sulphide percentage




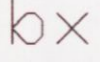

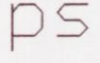

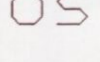

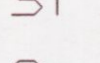
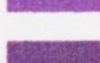
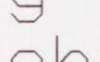
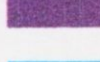
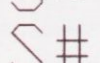





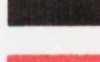

**FALCONBRIDGE LIMITED**

Diamond Drill Hole  
Vertical Section  
Dundonald Property

HUF-9-01,Hu\UF-9a-01,HUF-10-01  
Looking West

scale: 1:500	drawn by: PCD
date: 27/02/02	updated:



	Rh	Rhyolite		vb	Overburden
	Ad	Andesite		bx	breccia
	Ba	Basalt		psx	pyroxene spinifex
	KBa	Komatiitic Basalt		osx	olivine spinifex
	KPx	Komatiitic Pyroxenite		srs	serpentine spheres
	KPd	Komatiitic Peridotite		g	graphitic
	KDu	Komatiitic Dunite		gbx	graphite breccia
	Gb	Gabbro		S#	Sulphide percentage
	Px	Pyroxenite			
	Pd	Peridotite			
	Sg	Graphitic Sediments			
		Semi-Massive Sulphides			
		Massive Sulphides			


100m

50m

FALCONBRIDGE LIMITED

Diamond Drill Hole  
Vertical Section  
Dundonald Property  
HUF-11-01, HUF-12-01, HUF-13-01

Looking Northwest

scale: 1:500	drawn by: PCD
date: 27/02/02	updated: 





	Rh	Rhyolite
	Ad	Andesite
	Ba	Basalt
	KBa	Komatiitic Basalt
	KPx	Komatiitic Pyroxenite
	KPd	Komatiitic Peridotite
	KDu	Komatiitic Dunite
	Gb	Gabbro
	Px	Pyroxenite
	Pd	Peridotite
	Sg	Graphitic Sediments
		Semi-Massive Sulphides
		Massive Sulphides

	Dvb	Overburden
	bx	breccia
	psx	pyroxene spinifex
	osx	olivine spinifex
	srs	serpentine spheres
	g	graphitic
	gbx	graphite breccia
	S#	Sulphide percentage

2.23408

<b>FALCONBRIDGE LIMITED</b>	
Diamond Drill Hole	
Vertical Section	
Dundonald Property	
HUF-01-01	
Looking Northeast	
scale: 1:500	drawn by: PCD
date: 27/02/02	updated:



	Rh	Rhyolite
	Ad	Andesite
	Ba	Basalt
	KBa	Komatiitic Basalt
	KPx	Komatiitic Pyroxenite
	KPd	Komatiitic Peridotite
	KDd	Komatiitic Dunite
	Gb	Gabbro
	Px	Pyroxenite
	Pd	Peridotite
	Sg	Graphitic Sediments
		Semi-Massive Sulphides
		Massive Sulphides

	vb	Overburden
	bx	breccia
	psx	pyroxene spinifex
	osx	olivine spinifex
	srs	serpentine spheres
	g	graphitic
	gbx	graphite breccia
	S#	Sulphide percentage

23-08

**FALCONBRIDGE LIMITED**

Diamond Drill Hole  
Vertical Section  
Dundonald Property  
HUF-02-01  
Looking Northeast

scale: 1:500	drawn by: PCD
date: 27/02/02	updated:



- Rh Rhyolite
- Ad Andesite
- Ba Basalt
- KBa Komatiitic Basalt
- KPx Komatiitic Pyroxenite
- KPd Komatiitic Peridotite
- KDd Komatiitic Dunite
- Gb Gabbro
- Px Pyroxenite
- Pd Peridotite
- Sg Graphitic Sediments
- Semi-Massive Sulphides
- Massive Sulphides

- vb' Overburden
- bx breccia
- psx pyroxene spinifex
- osx olivine spinifex
- srs serpentine spheres
- g graphitic
- gbx graphite breccia
- S# Sulphide percentage

<b>FALCONBRIDGE LIMITED</b>	
Diamond Drill Hole	
Vertical Section	
Dundonald Property	
HUF-03-01	
Looking West	
scale: 1:500	drawn by: PCD
date: 27/02/02	updated:

2.234.08



	Rh	Rhyolite
	Ad	Andesite
	Ba	Basalt
	KBa	Komatiitic Basalt
	KPx	Komatiitic Pyroxenite
	KPd	Komatiitic Peridotite
	KDu	Komatiitic Dunite
	Gb	Gabbro
	Px	Pyroxenite
	Pd	Peridotite
	Sg	Graphitic Sediments
		Semi-Massive Sulphides
		Massive Sulphides

	Dvb'	Overburden
	bx	breccia
	psx	pyroxene spinifex
	osx	olivine spinifex
	srs	serpentine spheres
	g	graphitic
	gbx	graphite breccia
	S#	Sulphide percentage

FALCONBRIDGE LIMITED

Diamond Drill Hole  
 Vertical Section  
 Dundonald Property  
 HUF-04-01  
 Looking Northeast

scale: 1:500  
date: 27/02/02

drawn by: PCD  
updated:

2.23408



- Rh Rhyolite
- Ad Andesite
- Ba Basalt
- KBa Komatiitic Basalt
- KPx Komatiitic Pyroxenite
- KPd Komatiitic Peridotite
- KDu Komatiitic Dunitite
- Gb Gabbro
- Px Pyroxenite
- Pd Peridotite
- Sg Graphitic Sediments
- Semi-Massive Sulphides
- Massive Sulphides

- Dvb Overburden
- bx breccia
- psx pyroxene spinifex
- osx olivine spinifex
- srs serpentine spheres
- g graphitic
- gbx graphite breccia
- S# Sulphide percentage

FALCONBRIDGE LIMITED

Diamond Drill Hole  
Vertical Section  
Dundonald Property  
HUF-05-01, HUF-06-01  
Looking West

scale: 1:500	drawn by: PCD
date: 27/02/02	updated:

2.23408