

Hole ID	Claim No.	Collar Location (NAD 83, Zone 17)					Depth (m)	Core Size	Dates		Drilled By
		East	North	Elev.	Azimuth	Dip			Started	Complete	
<b>OG_01</b>	EO808727	649956.5	5065724	471	324.25	-41	258	NQ	18-Apr-13	23-Apr-13	Major Drilling Inc.
	Logged By: Jeremy Hoy			Log Completed: 15-May-13				Core Storage: Kearney Mine Site			
<b>Abbreviations</b>											
OB	Overburden			BQGn	Biotite-Quartz Gneiss						
BQFGn	Biotite-Quartz-Feldspar Gneiss			QB Gn	Quartz-Biotite Gneiss						

<b>Geology</b>				
From	To	Length	Litho	Description
0	5	5	OB	Overburden.
5	18.5	13.5	QB Gn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (3%).
18.5	53.96	35.46	BQFGn	Grey to white to rose, speckled to mottled, fine to coarse grained, non to moderately foliated, biotite-quartz-feldspar gneiss with garnets (5%). Schistose texture in biotite rich zones.
53.96	109.52	55.56	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss with some garnets (5%) - some Feldspar Quartz bands up to 100 mm between 95.68 and 99.05
109.52	116.96	7.44	BQFGn	Grey to white to rose, speckled, fine to coarse grained, weakly to moderately foliated, schistose textured, biotite-quartz-feldspar gneiss with garnets (5%). Numerous coarsely crystalline quartz-feldspar veins with widths up to 71cm.
116.96	169.72	52.76	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss with some garnets (5%). Some garnet deficient zones containing moderate amounts of graphite.
169.72	186.37	16.65	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - garnet deficient zones containing moderate amounts of graphite.
186.37	218.61	32.24	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - garnet deficient zones containing moderate amounts of graphite. -- banded with some garnet zones (~5%) banding is approximately 50/50 with the garnet deficient graphite zones - with calcite quartz veins (210.55-210.89) and (211.21-211.68)
218.61	225.08	6.47	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - garnet deficient zones containing moderate amounts of graphite. Graphite bedded in higher concentrations between 222.0 and 222.65 -- highly bedded
225.08	238.33	13.25	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - garnet deficient zones containing moderate amounts of graphite. -- banded with some garnet zones (~5%) - more quartz than previous zones - Schistose texture in biotite rich zones
238.33	248.12	9.79	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - with many garnet zones (~5%) - Schistose texture in biotite rich zones - some quartz veins running through the zone (243.08-243.24) && (245.14 - 245.45)
248.12	253.18	5.06	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - garnet deficient zones containing moderate amounts of graphite -- highly schistose texture in biotite rich zones
253.18	258	4.82	QB Gn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, quartz-biotite gneiss -

- with many garnet zones (~5%) - Schistose texture in biotite rich zones

Samples for Assay											
From	To	Length	Sample Id	From	To	Length	Sample Id	From	To	Length	Sample Id
96.0	99.0	3.0	E5500148	159.0	162.0	3.0	E5500220	219.0	222.0	3.0	E5500242
99.0	102.0	3.0	E5500149	162.0	165.0	3.0	E5500221	222.0	222.7	0.7	E5500243
102.0	105.0	3.0	E5500150	165.0	168.0	3.0	E5500222	222.7	225.0	2.3	E5500244
105.0	108.0	3.0	E5500151	168.0	171.0	3.0	E5500223	225.0	228.0	3.0	E5500245
108.0	114.0	6.0	E5500152	171.0	174.0	3.0	E5500224	228.0	231.0	3.0	E5500246
114.0	117.0	3.0	E5500153	174.0	177.0	3.0	E5500225	231.0	233.0	2.0	E5500247
117.0	120.0	3.0	E5500154	174.0	177.0	3.0	E5500226	231.0	233.0	2.0	E5500248
117.0	120.0	3.0	E5500155	177.0	180.0	3.0	E5500227	233.0	235.0	2.0	E5500249
120.0	123.0	3.0	E5500156	180.0	183.0	3.0	E5500228	235.0	237.0	2.0	E5500250
123.0	126.0	3.0	E5500157	183.0	186.0	3.0	E5500229	237.0	238.4	1.4	E5500252
126.0	129.0	3.0	E5500158	186.0	189.0	3.0	E5500230	238.4	240.0	1.6	E5500253
129.0	132.0	3.0	E5500159	189.0	192.0	3.0	E5500231	240.0	243.0	3.0	E5500254
132.0	135.0	3.0	E5500210	192.0	195.0	3.0	E5500232	243.0	246.0	3.0	E5500255
135.0	138.0	3.0	E5500211	195.0	198.0	3.0	E5500234	246.0	248.1	2.1	E5500256
138.0	141.0	3.0	E5500212	198.0	201.0	3.0	E5500235	248.1	249.0	0.9	E5500257
141.0	144.0	3.0	E5500213	201.0	204.0	3.0	E5500236	249.0	252.0	3.0	E5500258
144.0	147.0	3.0	E5500214	204.0	207.0	3.0	E5500237	252.0	253.2	1.2	E5500259
147.0	150.0	3.0	E5500215	207.0	210.0	3.0	E5500238	253.2	255.0	1.8	E5500260
150.0	153.0	3.0	E5500216	210.0	213.0	3.0	E5500239	255.0	258.0	3.0	E5500261
153.0	156.0	3.0	E5500217	213.0	216.0	3.0	E5500240				
156.0	159.0	3.0	E5500218	216.0	219.0	3.0	E5500241				

Hole ID	Claim No.	Collar Location (NAD 83)					Depth (m)	Core Size	Dates		Drilled By
		East	North	Elev.	Azimuth	Dip			Started	Complete	
OG_02	EO808730	649274.1	5065014	474.6	309.4	-49.1	356	NQ	25-Mar-13	29-Mar-13	Major Drilling Inc.
	Logged By: Jeremy Hoy			Log Completed: 3-Apr-13				Core Storage: Kearney Mine Site			
<b>Abbreviations</b>											
Am	Amphibolite			OB		Overburden					
BQFGn	Biotite-Quartz-Feldspar Gneiss			QBFGn		Quartz-Biotite-Feldspar Gneiss					
BQGn	Biotite-Quartz Gneiss			QBGn		Quartz-Biotite Gneiss					
FLT	Fault			QFBGn		Quartz-Feldspar-Biotite Gneiss					
GBFGn	Quartz-Biotite-Feldspar Gneiss with Garnets			QFHBGn		Quartz-Feldspar-Hornblende-Biotite Gneiss					
GFBGn	Quartz-Feldspar-Biotite Gneiss with Garnet			QHFBGn		Quartz- Hornblende-Feldspar- Biotite Gneiss					
HQGn	Hornblende-Quartz Gneiss			QtzVein		Quartz Vein					

<b>Geology</b>				
From	To	Length	Litho	Description
0	1.62	1.62	OB	Overburden.
1.62	9.83	8.21	HQGn	Light to dark grey, speckled, fine to medium grained, weakly to moderately foliated, hornblende-quartz gneiss. Rare sulphides (<1%) (Pyrite). Rare garnets (<1%).
9.83	27.6	17.77	QFBGn	Rose to grey, speckled, fine to coarse grained, weakly to moderately foliated, quartz-feldspar-biotite gneiss with minor garnet (5%) and kyanite (<1%), rare sulphides (<1%) (Pyrite). From 14.74m transitions to bands of augen textured quartz-feldspar-biotite gneiss.
27.6	32	4.4	BQFGn	Medium grey, speckled, fine to medium grained, moderately foliated, biotite-quartz-feldspar gneiss with garnets (15%), rare sulphides (<1%) (Pyrite)
32	32.86	0.86	FLT	Rose to grey. Fine to coarse grained. Partial melting and recrystallization on outside and fault gauge, breccia and slickensides in damage zone.
32.86	52.49	19.63	BQFGn	Medium grey, speckled, fine to medium grained, moderately foliated, biotite-quartz-feldspar gneiss with garnets (15%), rare sulphides (<1%) (Pyrite)
52.49	73	20.51	QHFBGn	Light to dark grey, speckled, fine to medium grained, weakly to moderately foliated, quartz-hornblende-feldspar-biotite gneiss, rare garnets (<1%), disseminated sulphides (<1%). Diesel spilled on core from approximately 63.8 m to 66.6 m
73	83.86	10.86	BQFGn	Light to dark grey, speckled, fine to medium grained, moderately foliated, biotite-quartz-feldspar gneiss with garnets (15%), rare sulphides (<1%) (Pyrite). Transitional contact with unit above.
83.86	88.96	5.1	GFBGn	Rose to grey, speckled, fine to coarse grained, weakly to moderately foliated, quartz-feldspar-biotite gneiss, minor garnet (2%), rare sulphides (<1%) (Pyrite). Occasional feldspar porphyroblasts from 10mm to 70mm width.
88.96	106.79	17.83	BQFGn	Light to dark grey, speckled, fine to medium grained, moderately foliated, biotite-quartz-feldspar gneiss with garnets (15%), rare sulphides (<1%) (Pyrite).
106.79	112	5.21	BQFGn	GRAPHITE 1%. Light to dark grey, speckled, fine to medium grained, moderately foliated, biotite-quartz-feldspar gneiss with garnets (5%), rare sulphides (<1%) (Pyrite).
112	125.06	13.06	BQFGn	GRAPHITE 3%. Light to dark grey, speckled, fine to medium grained, moderately foliated, biotite-quartz-

				feldspar gneiss with garnets (5%), rare sulphides (<1%) (Pyrite).
125.06	132.31	7.25	QFBGn	Rose to grey, speckled, fine to coarse grained, weakly to moderately foliated, quartz-feldspar-biotite gneiss, minor garnet (2%), rare sulphides (<1%) (Pyrite).
132.31	145	12.69	BQFGn	GRAPHITE 1%. Light to dark grey, speckled, fine to medium grained, moderately foliated, biotite-quartz-feldspar gneiss with garnets (5%), rare sulphides (<1%) (Pyrite).
145	154	9	BQFGn	GRAPHITE 3%. Light to dark grey, speckled, fine to medium grained, moderately foliated, biotite-quartz-feldspar gneiss with garnets (5%), rare sulphides (<1%) (Pyrite).
154	163.5	9.5	BQFGn	GRAPHITE 1%. Light to dark grey, speckled, fine to medium grained, moderately foliated, biotite-quartz-feldspar gneiss with garnets (5%), rare sulphides (<1%) (Pyrite).
163.5	184.48	20.98	QFHBGn	Light to medium grey, speckled, fine to coarse grained, weakly to moderately foliated, quartz-feldspar-hornblende-biotite gneiss with garnets (15%), rare sulphides (1%) (Pyrite)
184.48	187	2.52	Am	GRAPHITE 2%. Medium grey, fine grained, non to weakly foliated, amphibolite (hornblende-quartz?), sulphides (2%) (Pyrite)
187	226.44	39.44	QFHBGn	GRAPHITE 1% (Concentrated on a few foliation surfaces). Light to medium grey, speckled, fine to coarse grained, weakly to moderately foliated, quartz-feldspar-hornblende-biotite gneiss with garnets (15%), rare sulphides (1%) (Pyrite). Coarse grained quartz (vein?) from 212.8m to 212.9m
226.44	234.27	7.83	BQFGn	GRAPHITE 5%. Medium grey, speckled, fine to medium grained, moderately foliated, biotite-quartz-feldspar gneiss, sulphides (2%) (Pyrite). Transitional contact with unit above. Relithified fault from 229.47m to 229.57m?
234.27	234.4	0.13	FLT	GRAPHITE 3%. White to black, fine to coarse grained, fault gauge and breccia. Partially relithified. No alteration around damage zone. Sulphides (3%) (Pyrite)
234.4	237.82	3.42	BQFGn	GRAPHITE 5%. Medium grey, speckled, fine to medium grained, moderately foliated, schistose textured biotite-quartz-feldspar gneiss, sulphides (2%) (Pyrite).
237.82	237.91	0.09	FLT	Rose to grey, fine to coarse grained, fault gauge and breccia. Partially relithified. No alteration around damage zone.
237.91	247.88	9.97	BQFGn	GRAPHITE 3%. Medium grey, speckled, fine to medium grained, moderately foliated, schistose textured biotite-quartz-feldspar gneiss with garnets (20%), sulphides (2%) (Pyrite).
247.88	251.58	3.7	QFHBGn	Medium grey, speckled, fine to medium grained, weakly foliated, quartz-feldspar-hornblende-biotite gneiss with garnets (15%).
251.58	252.81	1.23	QtzVein	White to grey, medium to coarse grained, weakly foliated, quartzite vein, rare garnets (1%)
252.81	258.44	5.63	QFHBGn	Medium grey, speckled, fine to medium grained, weakly to moderately foliated, quartz-feldspar-hornblende-biotite gneiss with garnets (15%).
258.44	259.18	0.74	QtzVein	White to grey, medium to coarse grained, quartz vein.
259.18	267.66	8.48	QFHBGn	Medium grey, speckled, fine to medium grained, weakly to moderately foliated, quartz-feldspar-hornblende-biotite gneiss with garnets (15%).
267.66	268.28	0.62	QtzVein	White to grey, mottled, fine to coarse grained, quartzite vein, some garnets (10%).
268.28	271.35	3.07	QFHBGn	Medium grey, speckled, fine to medium grained, weakly to moderately foliated, quartz-feldspar-hornblende-biotite gneiss with garnets (15%).
271.35	271.48	0.13	FLT	White to grey, fine to coarse grained, fault gauge and breccia. Partially relithified. No alteration around damage zone.
271.48	273.55	2.07	QFHBGn	Medium grey, speckled, fine to medium grained, weakly to moderately foliated, quartz-feldspar-

				hornblende-biotite gneiss with garnets (15%).
273.55	278.3	4.75	BQFGn	Medium grey, speckled, fine to medium grained, moderately foliated, biotite-quartz-feldspar gneiss with garnets (10%). Schistose textures in biotite bands. Quartz vein from 276.11m to 276.16m.
278.3	280.49	2.19	QBGN	White to grey, mottled, fine to medium grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (10%). Schistose textures in biotite bands.
280.49	280.7	0.21	QtzVein	White to grey, coarse grained, crystalline, quartz vein.
280.7	281.05	0.35	BQFGn	White to grey, mottled, fine to medium grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (10%). Schistose textures in biotite bands.
281.05	281.15	0.1	QtzVein	White to grey, medium to coarse grained, crystalline, quartz vein.
281.15	281.48	0.33	BQFGn	White to grey, mottled, fine to medium grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (10%). Schistose textures in biotite bands.
281.48	281.85	0.37	QtzVein	White to grey, medium to coarse grained, crystalline, quartz vein.
281.85	283.02	1.17	BQFGn	White to grey, mottled, fine to medium grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (10%). Schistose textures in biotite bands.
283.02	283.51	0.49	FLT	White to rose to grey, fine to coarse grained, fault gouge and breccia. Mostly relithified.
283.51	287.37	3.86	BQFGn	White to grey, mottled, fine to medium grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (10%). Schistose textures in biotite bands.
287.37	331.72	44.35	QFBGn	Rose to grey, mottled, fine to coarse grained, weakly to moderately foliated, quartz-feldspar-biotite gneiss. With bands of grey, speckled, fine to medium grained, schistose textured biotite-quartz-feldspar gneiss throughout unit.
331.72	356	24.28	QFBGn	Medium grey, speckled, fine to medium grained, weakly to moderately foliated, quartz-biotite-feldspar gneiss with garnets (5%). Bands of rose to grey, mottled, fine to coarse grained, weakly to moderately foliated quartz-feldspar-biotite gneiss.

Samples for Assay												
From	To	Length	Sample Id	From	To	Length	Sample Id	From	To	Length	Sample Id	
100.0	103.0	3.0	E5174810	163.0	163.5	0.5	E5174835	235.0	237.9	2.9	E5174860	
103.0	106.0	3.0	E5174811	163.5	169.0	5.5	E5174836	237.9	241.0	3.1	E5174861	
106.0	106.8	0.8	E5174812	169.0	175.0	6.0	E5174837	241.0	244.0	3.0	E5174862	
106.8	109.0	2.2	E5174813	175.0	181.0	6.0	E5174838	244.0	247.0	3.0	E5174863	
109.0	112.0	3.0	E5174814	181.0	184.5	3.5	E5174839	247.0	247.9	0.9	E5174864	
112.0	115.0	3.0	E5174815	184.5	187.0	2.5	E5174840	247.9	250.0	2.1	E5174866	
115.0	118.0	3.0	E5174816	187.0	190.0	3.0	E5174842	250.0	251.6	1.6	E5174867	
118.0	121.0	3.0	E5174817	190.0	193.0	3.0	E5174843	251.6	252.7	1.1	E5174868	
121.0	124.0	3.0	E5174818	193.0	196.0	3.0	E5174844	252.7	253.0	0.3	E5174869	
124.0	125.1	1.1	E5174819	196.0	199.0	3.0	E5174845	253.0	256.0	3.0	E5174870	
125.1	130.0	4.9	E5174821	199.0	202.0	3.0	E5174846	256.0	258.4	2.4	E5174871	
130.0	132.3	2.3	E5174822	202.0	205.0	3.0	E5174847	258.4	259.2	0.7	E5174872	
132.3	133.0	0.7	E5174823	205.0	208.0	3.0	E5174848	259.2	262.0	2.8	E5174873	
133.0	136.0	3.0	E5174824	208.0	211.0	3.0	E5174849	262.0	268.0	6.0	E5174874	

133.0	136.0	3.0	E5174825		211.0	214.0	3.0	E5174850		268.0	269.5	1.5	E5174875
136.0	139.0	3.0	E5174826		211.0	214.0	3.0	E5174851		269.5	271.4	1.9	E5174876
139.0	142.0	3.0	E5174827		214.0	217.0	3.0	E5174852		271.4	273.8	2.4	E5174877
142.0	145.0	3.0	E5174828		217.0	220.0	3.0	E5174853		273.8	275.8	2.0	E5174878
145.0	148.0	3.0	E5174829		220.0	223.0	3.0	E5174854		275.8	280.7	4.9	E5174880
148.0	151.0	3.0	E5174830		223.0	226.0	3.0	E5174855		280.7	281.1	0.4	E5174881
151.0	154.0	3.0	E5174831		226.0	226.3	0.3	E5174856		281.1	286.0	4.9	E5174882
154.0	157.0	3.0	E5174832		226.3	229.0	2.7	E5174857		286.0	292.0	6.0	E5174883
157.0	160.0	3.0	E5174833		229.0	232.0	3.0	E5174858		286.0	292.0	6.0	E5174884
160.0	163.0	3.0	E5174834		232.0	235.0	3.0	E5174859					

Hole ID	Claim No.	Collar Location (NAD 83)					Depth (m)	Core Size	Dates		Drilled By
		East	North	Elev.	Azimuth	Dip			Started	Complete	
<b>OG_03</b>	EO808729	649233.6	5065235	510.36	298.5	-74	329	NQ	8-Apr-13	10-Apr-13	Major Drilling Inc.
	Logged By: Jeremy Hoy			Log Completed: 3-Apr-13				Core Storage: Kearney Mine Site			
<b>Abbreviations</b>											
OB	Overburden			QBFGn	Quartz-Biotite-Feldspar Gneiss						
BFQGn	Biotite-Felspar-Quartz Gneiss			QBGn	Quartz-Biotite Gneiss						
BQGn	Biotite-Quartz Gneiss										

<b>Geology</b>				
From (m)	To (m)	Length (m)	Litho	Description
0.0	4.3	4.3	OB	Overburden.
4.3	32.8	28.6	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (10%). Coarsely crystalline quartz and feldspar vein from 5.97m to 6.14m.
32.8	50.1	17.3	QBFGn	White to rose to grey, speckled to mottled, fine to coarse grained, non to moderately foliated, quartz-biotite-feldspar gneiss with garnets (5%).
50.1	65.5	15.4	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (10%).
65.5	72.8	7.3	QBFGn	White to rose to grey, speckled to mottled, fine to coarse grained, non to moderately foliated, quartz-biotite-feldspar gneiss with garnets (5%). Quartz rich band from 68.25m to 70.32m. Feldspar rich band from 70.36m to 71.20m.
72.8	80.9	8.1	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (10%).
80.9	83.5	2.6	FLT	Multiple shears and zones of gouge and breccia. Shears in-filled with calcite crystals at 81.3m. Intact rock is light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (10%).
83.5	97.9	14.5	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (10%).
97.9	101.0	3.1	FLT	Multiple shears and zones of gouge and breccia. Intact rock is light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (10%).
101.0	105.7	4.7	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (5%). Garnets fade out where graphite is visible.
105.7	107.0	1.3	FLT	Multiple shears and zone of gouge and breccia from 108.55m to 108.95m. Intact rock is light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss.
107.0	156.3	49.3	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss. Occasional zones with garnets (up to 20%). Graphite percentages drop significantly when garnets are present. Massive pyrite bands at 152.65m and 152.97m.

156.3	156.7	0.4	FLT	Breccia. Fragments are light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss.
156.7	157.7	1.0	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss.
157.7	158.1	0.5	FLT	Breccia. Fragments are light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss.
158.1	158.7	0.6	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss.
158.7	180.8	22.0	QBGN	White to grey, speckled to mottled, fine to coarse grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (20%).
180.8	187.1	6.4	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss.
187.1	187.8	0.6	FLT	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with numerous shears and zones of fault gauge and breccia comprising approximately 50% of unit.
187.8	220.1	32.3	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss.
220.1	246.2	26.1	QBGN	White to grey, speckled to mottled, fine to coarse grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (15%). Some garnet deficient, biotite rich bands containing graphite. Coarsely crystalline quartz vein from 245.54m to 245.86m.
246.2	314.1	68.0	BFQGN	Grey to rose to white, speckled to mottled, fine to coarse grained, non to moderately foliated, biotite-feldspar-quartz gneiss. Fault breccia from 267.82m to 267.97m.
314.1	320.2	6.0	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss.
320.2	329.0	8.8	BFQGN	Grey to rose to white, speckled to mottled, fine to coarse grained, weakly to moderately foliated, biotite-feldspar-quartz gneiss.

Samples for Assay												
From	To	Length	Sample Id	From	To	Length	Sample Id	From	To	Length	Sample Id	
71.0	74.0	3.0	E5228828	134.0	137.0	3.0	E5228851	194.0	197.0	3.0	E5174573	
74.0	77.3	3.3	E5228829	137.0	140.0	3.0	E5228852	197.0	200.0	3.0	E5174574	
77.3	80.0	2.7	E5228830	140.0	143.0	3.0	E5228853	197.0	200.0	3.0	E5174575	
80.0	83.0	3.0	E5228831	143.0	146.0	3.0	E5228854	200.0	203.0	3.0	E5174577	
83.0	86.0	3.0	E5228832	143.0	146.0	3.0	E5228855	203.0	206.0	3.0	E5174578	
86.0	89.0	3.0	E5228833	146.0	149.0	3.0	E5228856	206.0	209.0	3.0	E5174579	
89.0	92.0	3.0	E5228834	149.0	152.0	3.0	E5228857	209.0	212.0	3.0	E5174580	
92.0	95.0	3.0	E5228835	152.0	155.0	3.0	E5228858	212.0	215.0	3.0	E5174581	
95.0	98.0	3.0	E5228836	155.0	158.0	3.0	E5228859	215.0	218.0	3.0	E5174582	
98.0	101.0	3.0	E5228837	158.0	161.0	3.0	E5174560	218.0	220.1	2.1	E5174583	
101.0	104.0	3.0	E5228838	161.0	164.0	3.0	E5174561	220.1	221.0	0.9	E5174585	
104.0	107.0	3.0	E5228839	164.0	167.0	3.0	E5174562	221.0	224.0	3.0	E5174586	



107.0	110.0	3.0	E5228840	167.0	170.0	3.0	E5174563	224.0	227.0	3.0	E5174587
110.0	113.0	3.0	E5228841	170.0	173.0	3.0	E5174564	227.0	230.0	3.0	E5174588
113.0	116.0	3.0	E5228842	173.0	176.0	3.0	E5174565	230.0	233.0	3.0	E5174589
116.0	119.0	3.0	E5228843	176.0	179.0	3.0	E5174566	233.0	236.0	3.0	E5174590
119.0	122.0	3.0	E5228844	179.0	180.8	1.8	E5174567	236.0	239.0	3.0	E5174591
122.0	125.0	3.0	E5228845	180.8	182.0	1.2	E5174568	239.0	242.0	3.0	E5174592
125.0	128.0	3.0	E5228846	182.0	185.0	3.0	E5174569	242.0	245.0	3.0	E5174593
128.0	129.7	1.7	E5228847	185.0	188.0	3.0	E5174570	245.0	248.0	3.0	E5174594
129.7	131.0	1.3	E5228849	188.0	191.0	3.0	E5174571	248.0	251.0	3.0	E5174595
131.0	134.0	3.0	E5228850	191.0	194.0	3.0	E5174572				

Hole ID	Claim No.	Collar Location (NAD 83)					Depth (m)	Core Size	Dates		Drilled By
		East	North	Elev.	Azimuth	Dip			Started	Complete	
<b>OG_04</b>	EO808729	649165.8	5065249	478	304.7	-45.5	252	NQ	23-Apr-13	24-Apr-13	Major Drilling Inc.
	Logged By: Robert McCauley			Log Completed: 20-May-13				Core Storage: Kearney Mine Site			

#### Abbreviations

OB	Overburden	FLT	Fault
BQFGn	Biotite-Quartz-Feldspar Gneiss	QBFGn	Quartz-Biotite-Feldspar Gneiss
BQGn	Biotite-Quartz Gneiss	QBGn	Quartz-Biotite Gneiss

#### Geology

From (m)	To (m)	Length (m)	Litho	Description
0.0	8.5	8.5	OB	Overburden. Original log starts at 7.75, assumes overburden from 0 to 7.75 but not boxed by drillers.
8.5	14.4	5.9	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - with garnet (~5%) - some garnet deficient bands - highly fracture with very altered joints - fault (13.31-13.78)
14.4	26.2	11.8	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - with garnet (~5%) - garnet deficient band with high schist (15.45-17.05) with no graphite - highly fracture with very altered joints - fault gouge (20.15-20.23)
26.2	30.1	3.9	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - garnet deficient with no graphite - heavy schistose texture
30.1	36.0	5.9	QBFGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, quartz-biotite gneiss - - Schistose texture in biotite rich zones - Bands of biotite with (~10% Garnet)
36.0	45.5	9.5	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - garnet deficient with graphite - heavy schistose texture - moderately fractures rock - some small garnet zones (5%)
45.5	48.0	2.5	FLT	Broken rock, fault gouge and breccia. Numerous shears in intact core. Intact core is white to grey, fine to medium grained, weakly to moderately foliated, schistose textured biotite-quartz gneiss. Abundant gouge
48.0	64.4	16.4	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - garnet deficient with graphite - heavy schistose texture
64.4	70.5	6.2	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - with garnet (10%) - some schistose texture - some garnet deficient zones up to 20 cm
70.5	74.1	3.6	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - garnet deficient with graphite - heavy schistose texture - some quartz veins up to 5 cm
74.1	76.7	2.6	QBFGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, quartz-biotite gneiss - with garnet (10%) - Schistose texture in biotite rich zones
76.7	80.7	4.0	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - with garnet (10%) - some schistose texture - crystalline quartz vein (79.27-79.54)
80.7	96.5	15.9	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz

				gneiss - garnet deficient with graphite - moderate schistose texture - some garnet-biotite zones - <b>Lost Core: 81.64-82.49</b> - som shearing at 95.45 for about 3 cm
96.5	117.2	20.7	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - with garnet (10%) - some schistose texture - some garnet deficient zones - some quartz feldspar veins up to 4 cm - <b>lost core:116.90-117: looks like there were issues with the drill and the core highly mechanically fractured</b>
117.2	122.8	5.7	BQFGn	Grey to white to rose, speckled, fine to coarse grained, weakly to moderately foliated, schistose textured, biotite-quartz-feldspar gneiss - some feldspar deficient zones containing graphite
122.8	153.3	30.4	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - garnet deficient with graphite - heavy schistose texture - some quartz-feldspar veins up to 4 cm - <b>mechanical breaks (144.48-147)</b>
153.3	181.3	28.0	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - with garnet (10-15%) - moderate schistose texture - some garnet deficient bands containing small amounts of graphite - crystalline feldspar-quartz vein (155.92-156.25) - many smaller quartz and feldspar veins ranging in size to 4 cm - <b>mechanical breaks (166.61-167 &amp;&amp; 178.26-179.05)</b>
181.3	186.5	5.2	BQFGn	Grey to white to rose, speckled, fine to coarse grained, weakly to moderately foliated, schistose textured, biotite-quartz-feldspar gneiss - with garnet (10-15%) - crystalline quartz vein (184.89-185) - <b>mechanical breaks (181.95-183)</b>
186.5	192.1	5.6	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - with garnet (10-15%) - some schistose texture - - crystalline quartz-feldspar veins ranging in size to 3cm -
192.1	195.1	3.0	QBFGn	Light to medium grey, speckled, fine to medium grained, moderately foliated, quartz-biotite-feldspar gneiss - - Schistose texture in biotite rich zones - Bands of - crystalline feldspar-quartz vein (192.08-192.25)
195.1	252.0	56.9	BQFGn	Rose to grey to white, speckled, fine to coarse grained, weakly to moderately foliated, schistose textured, Crystalline structure in the areas with a majority of feldspar - quartz-feldspar-calcite crystalline vein (211.34-211.86 &&213.68-214.11) - some bands with feldspar (<15%) up to bands of feldspar (>60%) -- (10-15% Feldspar located 240 m - 252 m)

Samples for Assay											
From	To	Length	Sample Id	From	To	Length	Sample Id	From	To	Length	Sample Id
30.0	36.0	6.0	E5500350	80.6	84.0	3.4	E5500368	129.0	132.0	3.0	E5500387
36.0	39.0	3.0	E5500351	84.0	85.6	1.6	E5500369	132.0	135.0	3.0	E5500388
39.0	42.0	3.0	E5500352	85.6	87.0	1.4	E5500370	132.0	135.0	3.0	E5500389
42.0	44.5	2.5	E5500353	85.6	87.0	1.4	E5500371	135.0	138.0	3.0	E5500390
42.0	44.5	2.5	E5500354	87.0	90.0	3.0	E5500372	138.0	141.0	3.0	E5500391
44.5	48.0	3.5	E5500355	90.0	93.0	3.0	E5500373	141.0	144.0	3.0	E5500392
48.0	51.0	3.0	E5500356	93.0	96.0	3.0	E5500374	144.0	147.0	3.0	E5500393
51.0	54.0	3.0	E5500357	96.0	99.0	3.0	E5500376	147.0	150.0	3.0	E5500394
54.0	57.0	3.0	E5500359	99.0	102.0	3.0	E5500377	150.0	153.3	3.3	E5500395
57.0	60.0	3.0	E5500360	102.0	105.0	3.0	E5500378	153.3	159.0	5.7	E5500396

60.0	63.0	3.0	E5500361		105.0	111.0	6.0	E5500379		159.0	165.0	6.0	E5500397
63.0	64.4	1.4	E5500362		111.0	114.0	3.0	E5500380		165.0	171.0	6.0	E5500398
64.4	66.0	1.6	E5500363		114.0	117.0	3.0	E5500381		171.0	174.4	3.4	E5500399
66.0	70.6	4.6	E5500364		117.0	120.0	3.0	E5500382		174.4	177.0	2.6	E5500400
70.6	72.0	1.4	E5500365		120.0	123.0	3.0	E5500383		177.0	178.7	1.7	E5500401
72.0	74.1	2.1	E5500366		123.0	126.0	3.0	E5500384		178.7	184.7	6.0	E5500402
74.1	80.6	6.5	E5500367		126.0	129.0	3.0	E5500385		184.7	189.0	4.3	E5500403

Hole ID	Claim No.	Collar Location (NAD 83)					Depth (m)	Core Size	Dates		Drilled By
		East	North	Elev.	Azimuth	Dip			Started	Complete	
<b>OG_05</b>	EO808730	649167.8	5065156	507.4	299.2	-59.4	280	NQ	5-Apr-13	7-Apr-13	Major Drilling Inc.
	Logged By: Jeremy Hoy			Log Completed: 22-Apr-13				Core Storage: Kearney Mine Site			
<b>Abbreviations</b>											
OB	Overburden			QBFGn	Quartz-Biotite-Feldspar Gneiss						
BQGn	Biotite-Quartz Gneiss			QBGN	Quartz-Biotite Gneiss						
FLT	Fault										

<b>Geology</b>				
From (m)	To (m)	Length (m)	Litho	Description
0.0	1.6	1.6	OB	Overburden.
1.6	7.2	5.6	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (10%). Zones of white to grey, speckled to mottled, fine to medium grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (5%).
7.2	39.8	32.6	QBFGn	White to rose to grey, speckled to mottled, fine to coarse grained, weakly to moderately foliated, quartz-biotite-feldspar gneiss with garnets (15%). Percentage of feldspar increases to up to 80% from 35.30m to 39.81m.
39.8	57.1	17.3	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (10%).
57.1	62.2	5.2	QBFGn	White to rose to grey, speckled to mottled, fine to coarse grained, weakly to moderately foliated, quartz-biotite-feldspar gneiss with garnets up to 10mm in diameter (15%).
62.2	63.5	1.2	FLT	Fault breccia with little to no gouge (washed out?). Breccia fragments are primarily light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (10%).
63.5	81.8	18.3	QBFGn	White to rose to grey, speckled to mottled, fine to coarse grained, non to moderately foliated, quartz-biotite-feldspar gneiss with garnets up to 20mm in diameter (15%). Some feldspar and garnet. Transitions into zones of feldspar-quartz-biotite gneiss.
81.8	84.1	2.3	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets up to 10mm in diameter (15%).
84.1	86.0	1.9	FLT	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with numerous shears and zones of fault gauge and breccia comprising approximately 50% of unit.
86.0	94.0	8.0	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (2%).
94.0	96.7	2.7	FLT	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with rare garnets and numerous joints.
96.7	115.8	19.1	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss. Trace garnets.

115.8	126.1	10.3	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets up to 20mm in diameter (20%).
126.1	147.5	21.4	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss. Trace garnets. Small fault containing gouge and breccia from 142.85m to 142.90m.
147.5	158.4	10.8	QBFGn	White to rose to grey, speckled to mottled, fine to coarse grained, non to moderately foliated, sugary textured, quartz-biotite-feldspar gneiss with garnets (30%). Transitional lower contact.
158.4	181.2	22.9	QBFGn	White to rose to grey, speckled to mottled, fine to coarse grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (25%). Transitional upper and lower contacts. Partially relithified shear zone from 160.58m to 160.76m.
181.2	185.2	4.0	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss.
185.2	185.8	0.6	FLT	Fault gouge and breccia. Intact rock is light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss.
185.8	219.5	33.7	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss. Some veins of quartz and feldspar from 10mm to 150mm in width. Vein of coarsely crystalline feldspar from 211.00m to 211.20m.
219.5	280.0	60.5	QBFGn	White to rose to grey, speckled to mottled, fine to coarse grained, weakly to moderately foliated, quartz-biotite-feldspar gneiss. Zone of coarsely crystalline feldspar containing vugs (10mm to 50mm in diameter).

Samples for Assay											
From	To	Length	Sample Id	From	To	Length	Sample Id	From	To	Length	Sample Id
76.0	79.0	3.0	E5174768	126.1	127.0	0.9	E5174788	178.0	180.0	2.0	E5174808
79.0	83.8	4.8	E5174769	127.0	130.0	3.0	E5174789	180.0	181.2	1.2	E5174809
83.8	85.0	1.2	E5174770	130.0	133.0	3.0	E5174790	181.2	184.0	2.8	E5228810
85.0	88.0	3.0	E5174771	133.0	136.0	3.0	E5174791	184.0	187.0	3.0	E5228811
88.0	91.0	3.0	E5174772	136.0	139.0	3.0	E5174792	187.0	190.0	3.0	E5228812
91.0	94.0	3.0	E5174773	139.0	142.0	3.0	E5174793	190.0	193.0	3.0	E5228813
94.0	97.0	3.0	E5174774	142.0	145.0	3.0	E5174794	193.0	196.0	3.0	E5228814
97.0	100.0	3.0	E5174775	145.0	147.5	2.5	E5174795	196.0	199.0	3.0	E5228815
100.0	103.0	3.0	E5174776	147.5	151.0	3.5	E5174797	199.0	202.0	3.0	E5228816
103.0	106.0	3.0	E5174777	151.0	154.0	3.0	E5174798	202.0	205.0	3.0	E5228817
106.0	109.0	3.0	E5174779	154.0	157.0	3.0	E5174799	205.0	208.0	3.0	E5228818
106.0	109.0	3.0	E5174780	157.0	160.0	3.0	E5174800	208.0	211.0	3.0	E5228820
109.0	112.0	3.0	E5174781	160.0	163.0	3.0	E5174801	208.0	211.0	3.0	E5228821
112.0	114.0	2.0	E5174782	163.0	166.0	3.0	E5174802	211.0	214.0	3.0	E5228822
114.0	115.8	1.8	E5174783	166.0	169.0	3.0	E5174803	214.0	217.0	3.0	E5228823
115.8	118.0	2.2	E5174784	169.0	172.0	3.0	E5174804	217.0	219.5	2.5	E5228824
118.0	121.0	3.0	E5174785	169.0	172.0	3.0	E5174805	219.5	223.0	3.5	E5228826
121.0	124.0	3.0	E5174786	172.0	175.0	3.0	E5174806	223.0	226.0	3.0	E5228827

124.0	126.1	2.1	E5174787		175.0	178.0	3.0	E5174807	
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Hole ID	Claim No.	Collar Location (NAD 83)					Depth (m)	Core Size	Dates		Drilled By
		East	North	Elev.	Azimuth	Dip			Started	Complete	
<b>OG_06</b>	EO808730	649112.5	5065015	476.2	304.2	-43.5	209	NQ	3-Apr-13	4-Apr-13	Major Drilling Inc.
	Logged By: Jeremy Hoy			Log Completed: 17-Apr-13				Core Storage: Kearney Mine Site			
<b>Abbreviations</b>											
OB	Overburden			QBFGn	Quartz-Biotite-Feldspar Gneiss						
BQGn	Biotite-Quartz Gneiss			QBGn	Quartz-Biotite Gneiss						
FLT	Fault			QtzVein	Quartz Vein						

<b>Geology</b>				
From (m)	To (m)	Length (m)	Litho	Description
0.0	3.8	3.8	OB	Overburden.
3.8	60.5	56.7	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (15%). Zones of higher feldspar content from 9.9m to 15.4m.
60.5	63.3	2.8	FLT	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (15%) with numerous shears and zones of fault gouge and breccia from 61.30m to 61.93m and 63.09m to 63.31m.
63.3	64.5	1.2	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (15%). Healed shear at 64.05m?
64.5	66.3	1.8	QtzVein	White to grey, fine to coarse grained, non to weakly foliated, quartz vein. Relithified fault zone?
66.3	73.6	7.4	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (15%).
73.6	76.7	3.1	FLT	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (15%) with numerous shears and zones of fault gouge and breccia from 73.64m to 73.88m and 74.35m to 75.45m. Thin zones of fault gouge and breccia at 75.68m and 75.89m.
76.7	84.2	7.5	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (15%).
84.2	85.1	0.8	FLT	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (15%) with numerous shears and zones of fault gouge and breccia from 84.30m to 84.46m and 84.54m to 84.62m.
85.1	90.1	5.0	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (15%).
90.1	93.5	3.4	QtzVein	White to rose to grey, fine to coarse grained, non to moderately foliated, crystalline, quartz vein with feldspar. Contains zones of light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (15%).
93.5	101.6	8.1	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (15%). Serpentinite alteration on some joint surfaces.



101.6	106.5	4.9	FLT	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (15%) with numerous shears and zones of fault gauge and breccia comprising approximately 50% of unit.
106.5	114.8	8.3	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss.
114.8	118.7	3.9	QBGn	White to grey, speckled to mottled, fine to coarse grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (20%)
118.7	123.6	5.0	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss.
123.6	146.4	22.8	QBGn	White to grey, speckled to mottled, fine to coarse grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (20%)
146.4	176.6	30.2	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, biotite-quartz gneiss.
176.6	189.0	12.4	QBGn	White to grey, speckled to mottled, fine to coarse grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (15%)
189.0	195.3	6.3	QtzVein	White to rose to grey, fine to coarse grained, non to weakly foliated, crystalline, quartz vein with feldspar. Contains zones of light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (15%).
195.3	208.7	13.3	QBFGn	Grey to white to rose, speckled to mottled, fine to medium grained, weakly to moderately foliated, quartz-biotite-feldspar gneiss with garnets (5%).

Samples for Assay													
From	To	Length	Sample Id		From	To	Length	Sample Id		From	To	Length	Sample Id
17.0	20.0	3.0	E5174948		86.0	89.0	3.0	E5174971		134.0	140.0	6.0	E5174994
20.0	23.0	3.0	E5174949		89.0	90.1	1.1	E5174972		140.0	143.0	3.0	E5174995
23.0	25.3	2.3	E5174950		90.1	93.5	3.4	E5174973		143.0	145.0	2.0	E5174996
25.3	26.0	0.7	E5174951		93.5	95.0	1.5	E5174974		145.0	146.4	1.4	E5174997
26.0	29.0	3.0	E5174952		95.0	98.0	3.0	E5174975		146.4	149.0	2.6	E5174998
26.0	29.0	3.0	E5174953		95.0	98.0	3.0	E5174976		149.0	152.0	3.0	E5174999
29.0	32.0	3.0	E5174954		98.0	99.2	1.2	E5174977		152.0	155.0	3.0	E5175000
32.0	38.0	6.0	E5174955		99.2	101.0	1.8	E5174978		155.0	158.0	3.0	E5175001
38.0	44.0	6.0	E5174956		101.0	104.0	3.0	E5174979		158.0	161.0	3.0	E5175002
44.0	50.0	6.0	E5174957		104.0	107.0	3.0	E5174980		161.0	164.0	3.0	E5175003
50.0	56.0	6.0	E5174958		107.0	110.0	3.0	E5174981		164.0	167.0	3.0	E5175004
56.0	59.0	3.0	E5174959		110.0	113.0	3.0	E5174982		167.0	168.0	1.0	E5175006
59.0	62.0	3.0	E5174960		113.0	114.8	1.8	E5174983		168.0	170.0	2.0	E5175008
62.0	64.5	2.5	E5174961		114.8	116.0	1.2	E5174985		170.0	173.0	3.0	E5175009
64.5	66.3	1.8	E5174963		116.0	118.7	2.7	E5174986		173.0	176.0	3.0	E5174760
66.3	68.0	1.7	E5174964		118.7	120.0	1.3	E5174987		176.0	179.0	3.0	E5174761
68.0	71.0	3.0	E5174965		120.0	122.0	2.0	E5174988		179.0	182.0	3.0	E5174762

71.0	74.0	3.0	E5174966		122.0	123.6	1.6	E5174989		182.0	183.0	1.0	E5174763
74.0	77.0	3.0	E5174967		123.6	125.0	1.4	E5174990		183.0	186.8	3.8	E5174764
77.0	80.0	3.0	E5174968		125.0	128.0	3.0	E5174991		186.8	189.0	2.2	E5174765
80.0	83.0	3.0	E5174969		128.0	131.0	3.0	E5174992		189.0	192.0	3.0	E5174766
83.0	86.0	3.0	E5174970		131.0	134.0	3.0	E5174993		192.0	195.0	3.0	E5174767

Hole ID	Claim No.	Collar Location (NAD 83)					Depth (m)	Core Size	Dates		Drilled By
		East	North	Elev.	Azimuth	Dip			Started	Complete	
<b>OG_07</b>	EO808730	649137.1	5064810	458.3	308.7	-46.5	249	NQ	27-Apr-13	29-Apr-13	Major Drilling Inc.
	Logged By: Robert McCauley			Log Completed: 18-May-13				Core Storage: Kearney Mine Site			
<b>Abbreviations</b>											
OB	Overburden			FLT	Fault						
BQFGn	Biotite-Quartz-Feldspar Gneiss			Fvein	Feldspar Vein						
BQGn	Biotite-Quartz Gneiss			QBGN	Quartz-Biotite Gneiss						
FBQGn	Feldspar-Biotite-Quartz Gneiss										

<b>Geology</b>				
From (m)	To (m)	Length (m)	Litho	Description
0.0	3.6	3.6	OB	Overburden. Original log starts at 2.9, assumes overburden from 0 to 2.9 but not boxed by drillers.
3.6	12.1	8.5	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, quartz-biotite gneiss - Schistose texture in biotite rich zones - crystalline quartz-feldspar vein (9.68-9.77) - some garnet (~2.5-5%) - joints are weathered
12.1	18.0	5.9	BQFGn	Grey to white to rose, speckled, fine to coarse grained, weakly to moderately foliated, schistose textured, biotite-quartz-feldspar gneiss with garnets (5%). Feldspar vein (14.90-15.00) - joints are weathered
18.0	19.0	1.0	Fvein	Feldspar Vein (with some layers of biotite quartz) - dark ink with black speckles
19.0	20.7	1.7	BQFGn	Grey to white to rose, speckled, fine to coarse grained, weakly to moderately foliated, schistose textured, biotite-quartz-feldspar gneiss with garnets (5%) - joints are weathered
20.7	25.5	4.8	FBQGn	Rose to white to grey, speckled, fine to coarse grained, weakly to moderately foliated, schistose textured, feldspar-biotite-quartz - joints are weathered - small fault gouge (26.46-26.51) - more highly fractured
25.5	34.0	8.5	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - with garnet (~5%) -- some schist -
34.0	34.4	0.4	FLT	Hard broken core (like rubble) Some intact rock zones that is highly fractured - small vein gouge (34.07-34.11)
34.4	37.5	3.1	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - with garnet (~5%) -- some schist -
37.5	39.3	1.8	FLT	Hard broken core (like rubble) Some intact rock zones that is highly fractured - vein gouge (39.08-39.23)
39.3	51.7	12.4	BQFGn	Grey to white to rose, speckled, fine to coarse grained, weakly to moderately foliated, schistose textured, biotite-quartz-feldspar gneiss with garnets (5%). Feldspar vein (48.7148.75) - joints are weathered
51.7	56.5	4.9	QBGN	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, quartz-biotite gneiss - - Schistose texture in biotite rich zones - Bands of biotite with (~5% garnet) and some small garnet deficient bands containing trace graphite

56.5	75.5	19.0	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - with garnet (~5%) -- some schist - Some quartz veins ranging in size up to 5 cm -- A feldspar vein (70.65-70.80)
75.5	82.9	7.3	BQFGn	Grey to white to rose, speckled, fine to coarse grained, weakly to moderately foliated, schistose textured, biotite-quartz-feldspar gneiss with garnets (10%)
82.9	88.2	5.4	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - with garnet (~10%) -- some schist - Some quartz veins ranging in size up to 2 cm
88.2	91.9	3.7	BQFGn	Grey to white to rose, speckled, fine to coarse grained, weakly to moderately foliated, schistose textured, biotite-quartz-feldspar gneiss with garnets (10%)
91.9	117.8	25.9	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - with garnet (~10%) -- some schist - more quartz than usual - some small patches of what looks to be chlorite (some chlorite (or serpentized bands) - up to 3 cm) -- Quartz veins up to 7 cm
117.8	119.0	1.2	Q-Serpentine Veins	Crystalline quartz - serpentine (possible chlorite) veining - some biotite (<10%)
119.0	123.3	4.3	QB/BQGn	Almost even banding of QBGn and BQGn (QBGn - Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, quartz-biotite gneiss - - Schistose texture in biotite rich zones; BQGn - Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - with garnet (~10%))
123.3	144.3	21.0	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - with garnet (~15%) -- some schist - some garnet deficient zones (138.82-139.12 & 141.04-141.24) -- these zones may contain trace graphite
144.3	149.3	4.9	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - trace garnet-- some schist -- trace graphite
149.3	177.5	28.3	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - with garnet (~15%) -- some schist - calcite-(serpentine or chlorite) vein (157.04-157.05), quartz veins (159.98-160.07 & 161.60-161.67)
177.5	179.4	1.9	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - garnet deficient -- some schist - some graphite
179.4	191.5	12.1	QBGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, quartz-biotite gneiss - - Schistose texture in biotite rich zones - Bands of biotite with (~10% Garnet)
191.5	198.1	6.6	BQFGn	Grey to white to rose, speckled, fine to coarse grained, weakly to moderately foliated, schistose textured, biotite-quartz-feldspar gneiss with garnets (10%) - some small quartz veins - serp. Or chlorite vein (198.5-198.52)
198.1	205.8	7.7	BQGn	Light to medium grey, speckled, fine to medium grained, highly banded, biotite-quartz gneiss - 5% garnet - lots of quartz and serpentine banding up to 3 cm
205.8	220.7	14.8	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - with garnet (~15%) -- some schist - crystalline feldspar-quartz veins (207.42-207.53) (206.35-202.93)
220.7	221.6	0.9	QF Vein	Crystalline quartz-feldspar vein - some biotite (<10%) - deep rose to white speckled
221.6	242.2	20.7	BQGn	Light to medium grey, speckled, fine to medium grained, highly banded, biotite-quartz gneiss - garnet (~5%) - some graphite - frequent quartz veining up to 16 cm in length (crystalline with a somewhat

				green tinge)
242.2	249.0	6.8	BQFGn	Rose to grey to white, speckled, fine to coarse grained, weakly to moderately foliated, schistose textured, Crystalline structure in the areas with a majority of feldspar.

Samples for Assay													
From	To	Length	Sample Id		From	To	Length	Sample Id		From	To	Length	Sample Id
45.0	51.0	6.0	E5500316		147.0	149.3	2.3	E5500327		192.0	198.0	6.0	E5500339
51.0	54.0	3.0	E5500317		149.3	153.0	3.7	E5500328		198.0	204.0	6.0	E5500340
54.0	56.6	2.6	E5500318		153.0	159.0	6.0	E5500329		204.0	210.0	6.0	E5500341
56.6	60.0	3.4	E5500319		159.0	165.0	6.0	E5500330		210.0	216.0	6.0	E5500342
60.0	66.0	6.0	E5500320		165.0	171.0	6.0	E5500331		216.0	222.0	6.0	E5500343
66.0	72.0	6.0	E5500321		171.0	174.0	3.0	E5500332		222.0	225.0	3.0	E5500345
72.0	78.0	6.0	E5500322		174.0	177.5	3.5	E5500333		225.0	228.0	3.0	E5500346
131.2	137.2	6.0	E5500323		177.5	179.4	1.9	E5500334		228.0	231.0	3.0	E5500347
137.2	141.5	4.3	E5500324		179.4	183.0	3.6	E5500336		231.0	232.0	1.0	E5500348
141.5	144.3	2.8	E5500325		183.0	186.0	3.0	E5500337		232.0	236.0	4.0	E5500349
144.3	147.0	2.7	E5500326		186.0	192.0	6.0	E5500338					

Hole ID	Claim No.	Collar Location (NAD 83)					Depth (m)	Core Size	Dates		Drilled By
		East	North	Elev.	Azimuth	Dip			Started	Complete	
<b>OG_08</b>	EO808730	649149.9	5064906	462.7	301	-58.5	258	NQ	1-Apr-13	2-Apr-13	Major Drilling Inc.
	Logged By: Jeremy Hoy			Log Completed: 14-Apr-13				Core Storage: Kearney Mine Site			
<b>Abbreviations</b>											
OB	Overburden			GBGn	Quartz-Biotite Gneiss with Garnet						
BQFGn	Biotite-Quartz-Feldspar Gneiss			QBFGn	Quartz-Biotite-Feldspar Gneiss						
BQGn	Biotite-Quartz Gneiss			QBGN	Quartz-Biotite Gneiss						
FLT	Fault			QtzVein	Quartz Vein						
GBFGn	Quartz-Biotite-Feldspar Gneiss with Garnets										

<b>Geology</b>				
From (m)	To (m)	Length (m)	Litho	Description
0.0	0.9	0.9	OB	Overburden.
0.9	34.5	33.6	BQGn	Light to dark grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (10%).
34.5	45.2	10.7	BQGn	Light to dark grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss.
45.2	48.7	3.5	FLT	Broken rock, fault gouge and breccia. Numerous shears in intact core. Intact core is rose to grey, fine to medium grained, weakly to moderately foliated, schistose textured biotite-quartz-feldspar gneiss.
48.7	54.9	6.1	GBGn	White to grey, speckled, fine to coarse grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (10%).
54.9	55.3	0.4	QtzVein	White to rose to grey, medium to coarse grained, non to weakly foliated, quartz vein with feldspar, biotite and garnets.
55.3	59.7	4.4	GBGn	White to grey, speckled, fine to coarse grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (20%).
59.7	59.9	0.3	Vein	White to green, fine to medium grained, non foliated, vein (quartz and chlorite?).
59.9	76.3	16.3	GBFGn	White to rose to grey, speckled to mottled, fine to coarse grained, weakly to moderately foliated, quartz-biotite-feldspar gneiss with garnets (20%).
76.3	83.7	7.5	BQGn	Light to dark grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss.
83.7	84.1	0.3	Vein	White to green, fine to medium grained, non to weakly foliated, vein (quartz and chlorite?) with biotite bands.
84.1	106.9	22.9	GBGn	White to grey, fine to coarse grained, non to weakly foliated, quartz-biotite gneiss with garnets (15%).
106.9	127.3	20.4	BQFGn	Light to dark grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz-feldspar gneiss. Quartz vein from 118.40m to 118.56m. Increased concentration of medium to coarse grained feldspar from 121.95m to 123.30m. Contains banded massive graphite from 121.00m to 127.31m

127.3	185.1	57.8	QBGn	White to grey, fine to coarse grained, non to moderately foliated, quartz-biotite gneiss with garnets (15%). Coarsely crystalline quartz veins from 142.87m to 143.07m and 161.20m to 161.35m Reduced biotite and finer grain size from 149.45m to 153.24m.
185.1	187.2	2.1	QBGn	Medium grey, fine to medium grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (10%).
187.2	190.1	2.9	QtzVein	White to green to grey, fine to coarse grained, non to moderately foliated, quartz vein (Green due to serpentinite?).
190.1	191.8	1.7	QBGn	White to medium grey, speckled, fine to medium grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (10%).
191.8	193.6	1.8	BQGn	Medium grey, fine to medium grained, weakly to moderately foliated, biotite quartz gneiss. Trace garnets.
193.6	201.0	7.4	QBGn	White to medium grey, speckled, fine to medium grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (15%).
201.0	204.5	3.5	BQGn	Medium grey, fine to medium grained, weakly to moderately foliated, biotite quartz gneiss. Trace garnets.
204.5	205.1	0.7	QtzVein	White to green to grey, fine to coarse grained, non to moderately foliated, quartz vein. Serpentinized discontinuity surfaces. Relithified shear zone?
205.1	257.8	52.7	QBFGn	Grey to white to rose, fine to coarse grained, weakly to moderately foliated, quartz-biotite-feldspar gneiss with garnets (5%). Feldspar content gradually increases with depth. Vugs (10mm in width) noted at 248.57m.

Samples for Assay												
From	To	Length	Sample Id	From	To	Length	Sample Id	From	To	Length	Sample Id	
28.0	31.0	3.0	E5174885	93.8	97.0	3.2	E5174907	145.0	148.0	3.0	E5174928	
31.0	34.5	3.5	E5174886	97.0	100.0	3.0	E5174908	148.0	151.0	3.0	E5174929	
34.5	37.0	2.5	E5174887	100.0	106.0	6.0	E5174909	151.0	154.0	3.0	E5174930	
37.0	40.0	3.0	E5174888	106.0	106.9	0.9	E5174910	154.0	160.0	6.0	E5174931	
40.0	43.0	3.0	E5174889	106.9	109.0	2.1	E5174911	160.0	166.0	6.0	E5174932	
43.0	45.2	2.2	E5174890	109.0	112.0	3.0	E5174912	166.0	169.0	3.0	E5174933	
45.2	48.7	3.5	E5174891	112.0	114.5	2.5	E5174913	169.0	172.0	3.0	E5174934	
48.7	55.0	6.3	E5174893	114.5	116.0	1.5	E5174914	172.0	178.0	6.0	E5174935	
55.0	61.0	6.0	E5174894	116.0	118.0	2.0	E5174915	178.0	181.0	3.0	E5174936	
61.0	67.0	6.0	E5174895	118.0	121.0	3.0	E5174916	181.0	184.8	3.8	E5174937	
67.0	73.0	6.0	E5174896	121.0	124.0	3.0	E5174917	184.8	187.2	2.4	E5174938	
73.0	76.3	3.3	E5174897	124.0	126.0	2.0	E5174919	187.2	193.0	5.8	E5174939	
76.3	79.0	2.7	E5174898	126.0	127.3	1.3	E5174920	193.0	199.0	6.0	E5174940	
79.0	82.0	3.0	E5174899	127.3	130.2	2.9	E5174922	199.0	201.0	2.0	E5174941	
82.0	83.7	1.7	E5174901	130.2	133.0	2.8	E5174923	201.0	202.0	1.0	E5174942	
83.7	85.0	1.3	E5174902	133.0	136.0	3.0	E5174924	202.0	204.5	2.5	E5174943	
85.0	88.0	3.0	E5174903	136.0	139.0	3.0	E5174925	204.5	208.0	3.5	E5174945	
88.0	91.0	3.0	E5174904	139.0	142.0	3.0	E5174926	208.0	211.0	3.0	E5174946	





Hole ID	Claim No.	Collar Location (NAD 83)					Depth (m)	Core Size	Dates		Drilled By
		East	North	Elev.	Azimuth	Dip			Started	Complete	
<b>OG_09</b>	EO808727	649631.8	5065470	502.4	315.6	-57	290	NQ	11-Apr-13	14-Apr-13	Major Drilling Inc.
	Logged By: Jeremy Hoy			Log Completed: 7-May-13				Core Storage: Kearney Mine Site			

#### Abbreviations

OB	Overburden	FLT	Fault
BQFGn	Biotite-Quartz-Feldspar Gneiss	QBGn	Quartz-Biotite Gneiss
BQGn	Biotite-Quartz Gneiss	QtzVein	Quartz Vein
FBQGn	Feldspar-Biotite-Quartz Gneiss		

#### Geology

From (m)	To (m)	Length (m)	Litho	Description
0.0	1.5	1.5	OB	Overburden.
1.5	88.4	86.9	BQFGn	Grey to white to rose, fine to coarse grained, weakly to moderately foliated, schistose textured, biotite-quartz-feldspar gneiss with garnets (5%). Some quartz and feldspar bands up to 150mm in width. Feldspar band from 66.56m to 68.25m.
88.4	91.3	2.9	QtzVein	White to rose, medium to coarse grained, non to weakly foliated, crystalline, quartzite vein with garnets up to 10mm in width (3 %).
91.3	96.7	5.4	FLT	Grey to white to rose, fine to coarse grained, weakly to moderately foliated, schistose textured, biotite-quartz-feldspar gneiss with garnets (5%). Relithified breccia zones and highly fractured zones indicate fault zone. Rare garnet.
96.7	98.9	2.2	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss.
98.9	106.1	7.2	QBGn	White to grey, speckled, fine to medium grained, weakly to moderately foliated, quartz-biotite gneiss. Some bands containing epidote up to 20mm in width.
106.1	108.2	2.1	FLT	White to grey, speckled, fine to medium grained, weakly to moderately foliated, quartz-biotite gneiss. Zones of fault gauge and breccia, highly fractured zones, and relithified breccia indicate fault zone.
108.2	109.1	0.9	QBGn	White to grey, speckled, fine to medium grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (15%).
109.1	110.3	1.2	QtzVein	White to rose, coarsely crystalline, non foliated, quartz vein with some feldspar.
110.3	116.5	6.2	QBGn	White to grey, speckled, fine to coarse grained, weakly to moderately foliated, quartz-biotite gneiss with garnets up to 10mm in width (20%).
116.5	193.3	76.8	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss. Quartz vein from 179.55m to 179.88m.
193.3	224.6	31.3	QBGn	White to grey, speckled to mottled, fine to coarse grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (15%). Transitional contact with unit above.
224.6	230.6	6.1	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss. Healed shear from 227.91m to 228.03m. Quartz/feldspar veins from 228.09m to 228.31m and 229.38m and 229.69m.

230.6	233.5	2.9	QBGn	White to grey, speckled to mottled, fine to coarse grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (15%).
233.5	253.7	20.2	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss. Occasional calcite healed joints.
253.7	258.9	5.2	QBGn	White to grey, speckled to mottled, fine to coarse grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (15%). Transitional contact with unit above.
258.9	268.1	9.2	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with rare garnets. Occasional calcite healed joints. Rare vugs up to 30mm in width.
268.1	271.2	3.1	QtzVein	White to rose, medium to coarsely crystalline, quartz-feldspar vein.
271.2	290.0	18.8	BQGn	White to grey, speckled to mottled, fine to coarse grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (15%). Quartz feldspar veins from 283.15m to 284.00m. Rare biotite rich bands containing graphite.

Samples for Assay											
From	To	Length	Sample Id	From	To	Length	Sample Id	From	To	Length	Sample Id
107.0	110.0	3.0	E5174663	170.0	173.0	3.0	E5174687	236.0	239.0	3.0	E5174713
110.0	113.0	3.0	E5174664	173.0	176.0	3.0	E5174688	239.0	242.0	3.0	E5174714
113.0	115.0	2.0	E5174665	176.0	179.0	3.0	E5174689	242.0	245.0	3.0	E5174715
115.0	116.5	1.5	E5174666	179.0	182.0	3.0	E5174690	245.0	248.0	3.0	E5174716
116.5	119.0	2.5	E5174667	182.0	185.0	3.0	E5174692	248.0	251.0	3.0	E5174717
119.0	122.0	3.0	E5174668	185.0	188.0	3.0	E5174693	251.0	254.0	3.0	E5174718
122.0	125.0	3.0	E5174669	188.0	191.0	3.0	E5174694	254.0	257.0	3.0	E5174719
125.0	128.0	3.0	E5174670	191.0	193.3	2.3	E5174696	236.0	239.0	3.0	E5174713
128.0	131.0	3.0	E5174671	193.3	194.0	0.7	E5174697	239.0	242.0	3.0	E5174714
131.0	134.0	3.0	E5174672	194.0	197.0	3.0	E5174698	242.0	245.0	3.0	E5174715
134.0	137.0	3.0	E5174673	197.0	200.0	3.0	E5174699	245.0	248.0	3.0	E5174716
137.0	140.0	3.0	E5174674	200.0	203.0	3.0	E5174700	248.0	251.0	3.0	E5174717
140.0	143.0	3.0	E5174675	203.0	206.0	3.0	E5174701	251.0	254.0	3.0	E5174718
143.0	146.0	3.0	E5174676	206.0	209.0	3.0	E5174702	254.0	257.0	3.0	E5174719
146.0	149.0	3.0	E5174678	209.0	212.0	3.0	E5174703	257.0	260.0	3.0	E5174721
149.0	152.0	3.0	E5174679	212.0	218.0	6.0	E5174704	260.0	263.0	3.0	E5174722
149.0	152.0	3.0	E5174680	218.0	221.0	3.0	E5174705	263.0	266.0	3.0	E5174723
152.0	155.0	3.0	E5174681	221.0	223.0	2.0	E5174706	266.0	269.0	3.0	E5174724
155.0	158.0	3.0	E5174682	223.0	224.6	1.6	E5174707	269.0	272.0	3.0	E5174725
158.0	161.0	3.0	E5174683	224.6	227.0	2.4	E5174708	272.0	278.0	6.0	E5174726
161.0	164.0	3.0	E5174684	227.0	230.0	3.0	E5174709	278.0	281.0	3.0	E5174727

164.0	167.0	3.0	E5174685		230.0	233.0	3.0	E5174710		281.0	284.0	3.0	E5174728
167.0	170.0	3.0	E5174686		233.0	236.0	3.0	E5174711		284.0	287.0	3.0	E5174729

Hole ID	Claim No.	Collar Location (NAD 83)					Depth (m)	Core Size	Dates		Drilled By
		East	North	Elev.	Azimuth	Dip			Started	Complete	
<b>OG_10</b>	EO808728	649501	5065420	492.8	328.6	-74.1	240	NQ	25-Apr-13	27-Apr-13	Major Drilling Inc.
	Logged By: Robert McCauley			Log Completed: 18-May-13				Core Storage: Kearney Mine Site			
<b>Abbreviations</b>											
Am	Amphibolite			OB	Overburden						
BFQGn	Biotite-Felspar-Quartz Gneiss			QB/BQGn	Quartz-Biotite + Biotite-Quartz Gneiss with Garnet						
BQFGn	Biotite-Quartz-Feldspar Gneiss			QBFGn	Quartz-Biotite-Feldspar Gneiss						
BQGn	Biotite-Quartz Gneiss			QBGn	Quartz-Biotite Gneiss						
FBQGn	Feldspar-Biotite-Quartz Gneiss			QcaVein	Quartz-Calcite Vein						
FLT	Fault			QFVein	Quartz-Feldspar Vein						
Fvein	Feldspar Vein			QFBGn	Quartz-Feldspar-Biotite Gneiss						
GBFGn	Quartz-Biotite-Feldspar Gneiss with Garnets			QFHBGn	Quartz-Feldspar-Hornblende-Biotite Gneiss						
GBGn	Quartz-Biotite Gneiss with Garnet			QHFBGn	Quartz- Hornblende-Feldspar- Biotite Gneiss						
GFBGn	Quartz-Feldspar-Biotite Gneiss with Garnet			QtzVein	Quartz Vein						
HQGn	Hornblende-Quartz Gneiss										

<b>Geology</b>				
From (m)	To (m)	Length (m)	Litho	Description
0.0	3.2	3.2	OB	Overburden - boulders. Original log starts at 3.05, assumes overburden from 0 to 3.05 but not boxed by drillers.
3.2	5.6	2.3	BFQGn	Grey to rose to white, speckled to mottled, fine to coarse grained, non to moderately foliated, biotite-feldspar-quartz gneiss
5.6	9.9	4.3	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - banded with some garnet zones (~2.5%) -- highly schistose texture in biotite rich zones
9.9	12.9	3.0	BQFGn	Grey to white to rose, speckled, fine to coarse grained, weakly to moderately foliated, schistose textured, biotite-quartz-feldspar gneiss with garnets (5%).
12.9	16.4	3.6	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - banded with some garnet zones (~2.5%) -- highly schistose texture in biotite rich zones
16.4	24.4	8.0	BQFGn	Grey to white to rose, speckled, fine to coarse grained, weakly to moderately foliated, schistose textured, biotite-quartz-feldspar gneiss with garnets (5%). Feldspar vein (16.48-16.55)
24.4	28.7	4.3	QBGn	White to grey, speckled to mottled, fine to coarse grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (<2.5%).
28.7	45.4	16.7	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - with garnet (5-10%) -- some schist - oxidized micro defects common throughout -- oxidized calcite-quartz veins in size up to 16 cm (two large ones - 37.94-38.09 and 43.67-43.78) rest are micro defects
45.4	76.5	31.1	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - with garnet (5-10%) -- some schist. Some feldspar-quartz veins a large as 5 cm -- some

				calcite-quartz veins ranging in size up to 5 cm mostly they appear as micro defects of 1-2 cm veins.
76.5	83.5	7.1	BQFGn	Grey to white to rose, speckled, fine to coarse grained, weakly to moderately foliated, schistose textured, biotite-quartz-feldspar gneiss with garnets (5%).
83.5	84.3	0.8	BQFGn	Grey to white to rose, speckled, fine to coarse grained, weakly to moderately foliated, schistose textured, biotite-quartz-feldspar gneiss with garnets (5%). -- highly fractured with calcite joints -- small fault at 83.69-84.69
84.3	85.0	0.7	FLT	Broken rock, fault gouge and breccia. Numerous shears in intact core. Intact core is rose to grey, fine to medium grained, weakly to moderately foliated, schistose textured biotite-quartz-feldspar gneiss. -- joints are coated with calcite (calcite powder throughout) - calcite has seemingly altered the rock causing it to decompose
85.0	87.2	2.2	BQFGn	Deep rose to grey to white, speckled, fine to coarse grained, weakly to moderately foliated, schistose textured, biotite-quartz-feldspar gneiss with garnets (5%). - more feldspar than usual for this rock type -- highly micro defected with healed calcite joints
87.2	87.5	0.3	FLT	Broken rock, fault gouge and breccia. Numerous shears in intact core. Intact core is rose to grey, fine to medium grained, weakly to moderately foliated, schistose textured biotite-quartz-feldspar gneiss. -- joints are coated with calcite
87.5	89.4	1.9	BQFGn	Grey to white to rose, speckled, fine to coarse grained, weakly to moderately foliated, schistose textured, biotite-quartz-feldspar gneiss. -- highly fractured with calcite joints
89.4	95.9	6.5	BQFGn	Grey to white to rose, speckled, fine to coarse grained, weakly to moderately foliated, schistose textured, biotite-quartz-feldspar gneiss with garnets (5%). -- some smaller Garnet deficient zones containing trace graphite -- Deep red from more feldspar to 91.20 --- some calcite healed veins up to 2 cm in size
95.9	100.0	4.1	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - with garnet (5-10%) -- some schist
100.0	102.1	2.1	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - without garnet -- some schist
102.1	105.6	3.5	QBGN	White to grey, speckled to mottled, fine to coarse grained, weakly to moderately foliated, quartz-biotite gneiss -- some graphite
105.6	147.3	41.6	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - very few garnet (<0.5%) -- highly schistose texture in biotite rich zones -- presence of graphite
147.3	148.9	1.7	QBGN	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, quartz-biotite gneiss - - with many garnet zones (~10%) - Schistose texture in biotite rich zones
148.9	155.2	6.3	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - very few garnet (<0.5%) -- highly schistose texture in biotite rich zones -- presence of graphite
155.2	155.9	0.7	Qca Vein	Quartz Calcite vein - crystalline -- some Feldspar micro defects running through it
155.9	177.7	21.8	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - with garnet -- some schist - two main Quartz-calcite veins (one 157.64 - 157.80, second 169.93-170.17) - some small garnet deficient zones
177.7	190.7	13.1	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - very few garnet (<0.5%) -- highly schistose texture in biotite rich zones -- presence of

				graphite - moderate to high calcite-quartz micro defecting
190.7	193.7	2.9	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - with garnet zones (~10%) -- some schist - some small garnet deficient layers
193.7	202.2	8.5	QBGN	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, quartz-biotite gneiss - - with many garnet zones (~10%) - Schistose texture in biotite rich zones
202.2	240.0	37.8	BQGn	Light to medium grey, speckled, fine to medium grained, weak to moderately foliated, biotite-quartz gneiss - with garnet (~10%) -- some schist - garnet deficient zone containing some graphite (231.12-231.62) - contains some quartz-feldspar veins ranging in size to 15 cm

Samples for Assay											
From	To	Length	Sample Id	From	To	Length	Sample Id	From	To	Length	Sample Id
70.9	76.9	6.1	E5500262	123.0	126.0	3.0	E5500280	171.0	177.0	6.0	E5500296
76.9	81.0	4.1	E5500263	126.0	129.0	3.0	E5500281	177.0	177.6	0.6	E5500297
81.0	84.0	3.0	E5500264	129.0	131.2	2.2	E5500282	177.6	180.0	2.4	E5500298
84.0	87.0	3.0	E5500265	131.2	131.9	0.7	E5500283	180.0	183.0	3.0	E5500300
87.0	91.3	4.3	E5500266	131.9	135.0	3.1	E5500284	183.0	186.0	3.0	E5500301
91.3	93.0	1.7	E5500267	135.0	138.0	3.0	E5500285	186.0	189.0	3.0	E5500302
93.0	99.0	6.0	E5500268	138.0	141.0	3.0	E5500286	189.0	190.8	1.8	E5500304
99.0	100.0	1.0	E5500269	141.0	144.0	3.0	E5500287	190.8	192.0	1.3	E5500305
100.0	102.0	2.0	E5500270	144.0	147.3	3.3	E5500288	192.0	198.0	6.0	E5500306
102.0	105.6	3.6	E5500271	147.3	148.9	1.7	E5500289	198.0	204.0	6.0	E5500307
105.6	108.0	2.4	E5500273	148.9	150.0	1.1	E5500290	204.0	210.0	6.0	E5500308
108.0	111.0	3.0	E5500274	150.0	153.0	3.0	E5500291	210.0	216.0	6.0	E5500309
111.0	114.0	3.0	E5500275	153.0	155.2	2.2	E5500292	216.0	222.0	6.0	E5500310
114.0	117.0	3.0	E5500277	155.2	159.0	3.8	E5500293	222.0	228.0	6.0	E5500311
117.0	120.0	3.0	E5500278	159.0	165.0	6.0	E5500294	228.0	232.1	4.1	E5500312
120.0	123.0	3.0	E5500279	165.0	171.0	6.0	E5500295	232.1	232.7	0.7	E5500313
								232.7	239.0	6.3	E5500315

Hole ID	Claim No.	Collar Location (NAD 83)					Depth (m)	Core Size	Dates		Drilled By
		East	North	Elev.	Azimuth	Dip			Started	Complete	
<b>OG_11</b>	EO808728	649779	5065487	494.7	310.8	-75.9	313	NQ	14-Apr-13	16-Apr-13	Major Drilling Inc.
	Logged By: Jeremy Hoy			Log Completed: 18-May-13				Core Storage: Kearney Mine Site			
<b>Abbreviations</b>											
OB	Overburden			FBQGn	Feldspar-Biotite-Quartz Gneiss						
BQFGn	Biotite-Quartz-Feldspar Gneiss			FLT	Fault						
BQGn	Biotite-Quartz Gneiss			QBGN	Quartz-Biotite Gneiss						

<b>Geology</b>				
From (m)	To (m)	Length (m)	Litho	Description
0.0	0.3	0.3	OB	Overburden.
0.3	68.2	67.9	BQFGn	Grey to white to rose, speckled, fine to coarse grained, weakly to moderately foliated, schistose textured, biotite-quartz-feldspar gneiss with garnets (5%).
68.2	80.1	11.9	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (5%).
80.1	100.6	20.5	BQFGn	Grey to rose, speckled, fine to coarse grained, weakly to moderately foliated, schistose textured, biotite-quartz-feldspar gneiss with garnets (5%).
100.6	105.4	4.9	FLT	Fault zone characterized by fault breccia and extensive jointing throughout unit. Intact rock is grey to rose, speckled, fine to coarse grained, weakly to moderately foliated, schistose textured, biotite-quartz-feldspar gneiss with garnets (5%).
105.4	136.4	31.0	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (5%). Occasional bands containing feldspar near top of unit. Shears containing fault gouge and breccia from 131.68m to 131.80m. Healed shear from 134.52m to 134.78m.
136.4	136.7	0.4	FLT	Fault zone characterized by fault gouge and breccia. No intact rock.
136.7	211.3	74.5	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss. Some garnets present in top 1m of unit. Some garnets up to 15mm in width from 199.92m to 202.64m.
211.3	218.0	6.7	QBGN	White to grey, speckled to mottled, fine to coarse grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (10%).
218.0	221.4	3.4	BQGn	Light to medium grey, speckled, fine to medium grained, non to weakly foliated, schistose textured, biotite-quartz gneiss.
221.4	282.1	60.7	QBGN	White to grey, speckled to mottled, fine to coarse grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (10%). Rare biotite rich bands containing graphite.
282.1	295.2	13.1	BQGn	Light to medium grey, speckled, fine to medium grained, non to weakly foliated, schistose textured, biotite-quartz gneiss. Some quartz rich bands with garnets.
295.2	303.2	8.0	QBGN	White to grey, speckled to mottled, fine to coarse grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (10%). Rare biotite rich bands containing graphite.

303.2	305.2	2.0	BQGn	Light to medium grey, speckled, fine to medium grained, non to weakly foliated, schistose textured, biotite-quartz gneiss.
305.2	313.0	7.8	QBGN	White to grey, speckled to mottled, fine to coarse grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (10%). Rare biotite rich bands containing graphite.

Samples for Assay											
From	To	Length	Sample Id	From	To	Length	Sample Id	From	To	Length	Sample Id
115.0	118.0	3.0	E5174730	166.0	169.0	3.0	E5174749	226.0	232.0	6.0	E5500124
118.0	121.0	3.0	E5174731	169.0	172.0	3.0	E5174750	232.0	235.0	3.0	E5500125
121.0	124.0	3.0	E5174732	172.0	175.0	3.0	E5174751	235.0	238.0	3.0	E5500126
124.0	127.0	3.0	E5174733	175.0	178.0	3.0	E5174753	238.0	244.0	6.0	E5500127
127.0	130.0	3.0	E5174734	178.0	181.0	3.0	E5174754	244.0	247.0	3.0	E5500128
115.0	118.0	3.0	E5174730	181.0	184.0	3.0	E5174755	247.0	250.0	3.0	E5500129
118.0	121.0	3.0	E5174731	184.0	187.0	3.0	E5174756	250.0	256.0	6.0	E5500130
121.0	124.0	3.0	E5174732	187.0	190.0	3.0	E5174757	256.0	262.0	6.0	E5500131
124.0	127.0	3.0	E5174733	190.0	193.0	3.0	E5174758	262.0	268.0	6.0	E5500132
127.0	130.0	3.0	E5174734	193.0	196.0	3.0	E5174759	268.0	274.0	6.0	E5500133
130.0	133.0	3.0	E5174736	196.0	199.0	3.0	E5500110	274.0	280.0	6.0	E5500134
133.0	136.0	3.0	E5174737	199.0	202.0	3.0	E5500111	280.0	282.1	2.1	E5500135
136.0	139.0	3.0	E5174738	202.0	205.0	3.0	E5500112	282.1	284.0	1.9	E5500136
139.0	142.0	3.0	E5174739	205.0	208.0	3.0	E5500113	284.0	286.0	2.0	E5500137
142.0	145.0	3.0	E5174740	208.0	210.0	2.0	E5500114	286.0	289.0	3.0	E5500138
145.0	148.0	3.0	E5174741	210.0	211.3	1.3	E5500117	289.0	292.0	3.0	E5500139
148.0	151.0	3.0	E5174742	211.3	214.0	2.7	E5500118	292.0	295.0	3.0	E5500140
151.0	154.0	3.0	E5174743	214.0	217.0	3.0	E5500119	295.0	298.0	3.0	E5500141
154.0	157.0	3.0	E5174744	217.0	218.0	1.0	E5500120	298.0	301.0	3.0	E5500142
157.0	160.0	3.0	E5174746	218.0	220.0	2.0	E5500121	301.0	304.0	3.0	E5500143
160.0	163.0	3.0	E5174747	220.0	221.4	1.4	E5500122	304.0	307.0	3.0	E5500144
163.0	166.0	3.0	E5174748	221.4	226.0	4.6	E5500123	307.0	310.0	3.0	E5500145
								310.0	313.0	3.0	E5500146



Hole ID	Claim No.	Collar Location (NAD 83)					Depth (m)	Core Size	Dates		Drilled By
		East	North	Elev.	Azimuth	Dip			Started	Complete	
<b>OG_12</b>	EO808727	649663.4	5065644	460.9	316.5	-68.7	201	NQ	17-Apr-13	18-Apr-13	Major Drilling Inc.
	Logged By: Jeremy Hoy			Log Completed: 2-May-13				Core Storage: Kearney Mine Site			
<b>Abbreviations</b>											
OB	Overburden			QBFGn	Quartz-Biotite-Feldspar Gneiss						
BQGn	Biotite-Quartz Gneiss			QBGn	Quartz-Biotite Gneiss						
FLT	Fault										

<b>Geology</b>				
From (m)	To (m)	Length (m)	Litho	Description
0.0	5.0	5.0	OB	Overburden.
5.0	11.5	6.6	QBFGn	Grey to rose to white, speckled, fine to coarse grained, weakly to moderately foliated, quartz-biotite-feldspar gneiss with garnets (15%).
11.5	12.6	1.1	FLT	Fault zone characterized by fault gouge and breccia, relithified fault gouge and breccia, and numerous shears in intact rock. Intact rock is grey-speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss with garnets (3%). Healed fractures infilled with calcite.
12.6	38.1	25.5	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss.
38.1	49.6	11.5	QBFGn	White to grey, speckled to mottled, fine to coarse grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (15%).
49.6	106.4	56.8	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss. Transitional contact with unit above. Healed shear from 71.10m to 71.25m (calcite infilling). Some healed joints (calcite infilling) up to 20mm in width from 86.8m to 100.5m.
106.4	141.4	35.0	QBFGn	White to grey, speckled to mottled, fine to coarse grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (20%). Occasional garnet deficient, biotite rich bands containing graphite.
141.4	144.5	3.1	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss.
144.5	171.3	26.8	QBFGn	White to grey, speckled to mottled, fine to coarse grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (20%). Occasional garnet deficient, biotite rich bands containing graphite. Numerous calcite healed joints from 167.3m to 171.0m (stress fractures near fault zone?). 40mm wide vug containing calcite and pyrite crystals at 168.50m.
171.3	176.2	5.0	BQGn	Light to medium grey, speckled, fine to medium grained, weakly to moderately foliated, schistose textured, biotite-quartz gneiss.
176.2	201.0	24.8	QBFGn	White to grey, speckled to mottled, fine to coarse grained, weakly to moderately foliated, quartz-biotite gneiss with garnets (15%). Rare garnet deficient, biotite rich bands containing graphite. Some calcite healed joints from 177.6m to 181.1m.

