



Diamond Drill Report for Assessment Purposes  
Drill Hole 33645  
Claim P13120  
Tisdale Township  
Dome Mine, Timmins, Ontario

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Project Geologist  
Porcupine Gold Mines  
November 17, 2014

## 1.0 Introduction and Summary

Diamond drill hole 33645 was drilled by Porcupine Gold Mines on mining claim P13120 in Tisdale Township, from August 19, 2014 to August 21, 2014 and totalled 171 meters. This hole was drilled as part of an underground exploration program to further delineate a new zone and test the geotechnical characteristics of the rock.

The hole was drilled from the 37 Level of Dome Mine located at 4315 Gold Mine Road, South Porcupine, ON., P0N 1H0. Access is by taking the #8 Shaft to 37 Level, travelling approximately 620 m northeast and 450 m southeast from there through underground workings. UTM NAD83 Zone 17 co-ordinates for the collar are 483405 mE, 5368383 mN.

This work was supervised by the author of this report Saralyn Hayward, as well as Erik Barr, both of Goldcorp - Porcupine Gold Mines, 4315 Gold Mine Road, South Porcupine, ON., P0N 1H0.

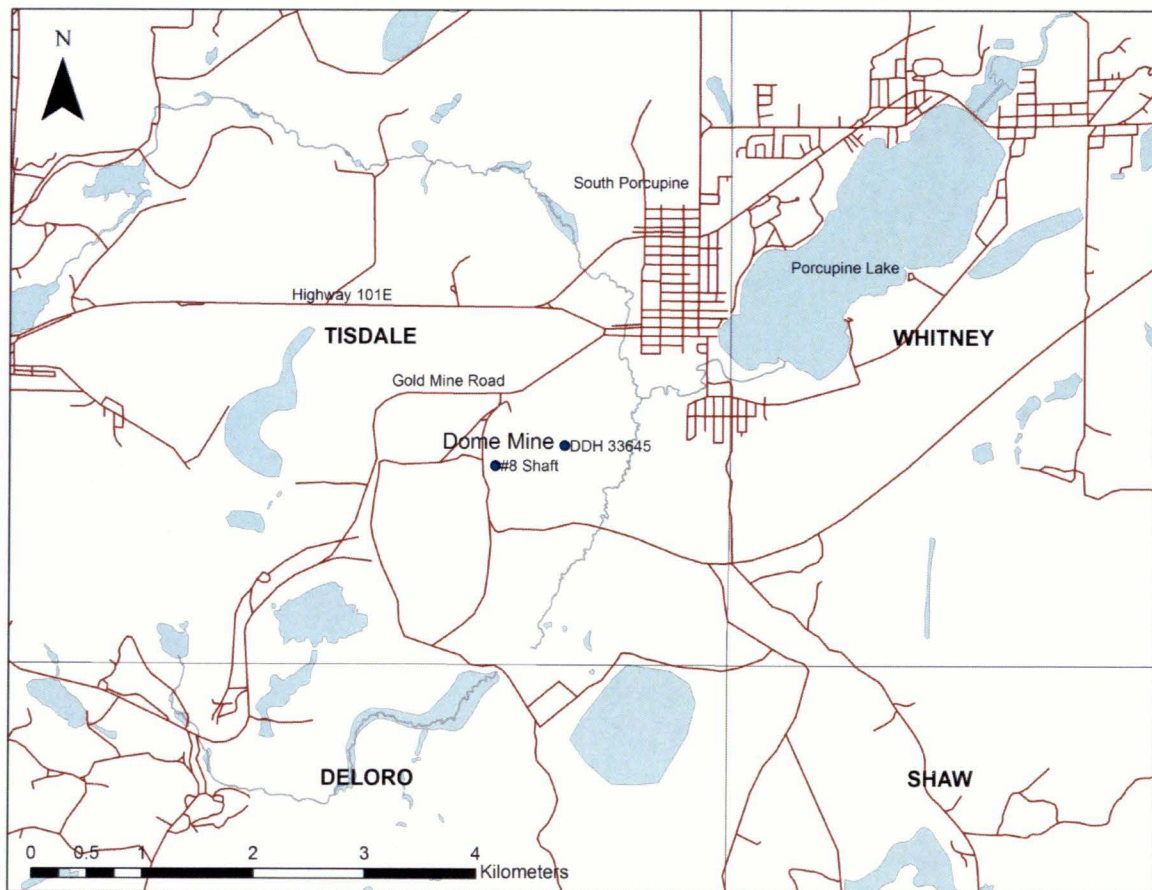


Figure 1: Dome Mine Location Map

## **2.0 Summary of Exploration Work on Dome Mine**

The Dome Mine was discovered in 1909 when prospecting led to quartz veining with visible gold. It has been in production since 1910 and has produced more than 16 million ounces of gold. Underground production ran from 1910 until 2004 and re-opened in 2006. An open pit was in production from 1994 until 2006. More than 33,500 diamond drill holes have explored the property both from surface and underground.

## **3.0 References**

Barr, E. ed. 2014. Dome Mine. Internal handout; Porcupine Gold Mines.

Pressacco, R., ed. 1999. Special project: Timmins ore deposit descriptions; Ontario Geological Survey, Open File Report 5985, 189p.

## Statement of Qualifications

I, Saralyn Hayward, residing at 216 Hemlock St., Timmins, ON, do hereby certify that:

1. I am currently employed as a project geologist by Goldcorp Canada Ltd. – Porcupine Gold Mines
2. I am a member of the Association of Professional Geoscientists of Ontario, #2441
3. I graduated from the University of Western Ontario in London, ON with an M.Sc in Geology in 2010
4. I supervised the drilling activities which this report refers to

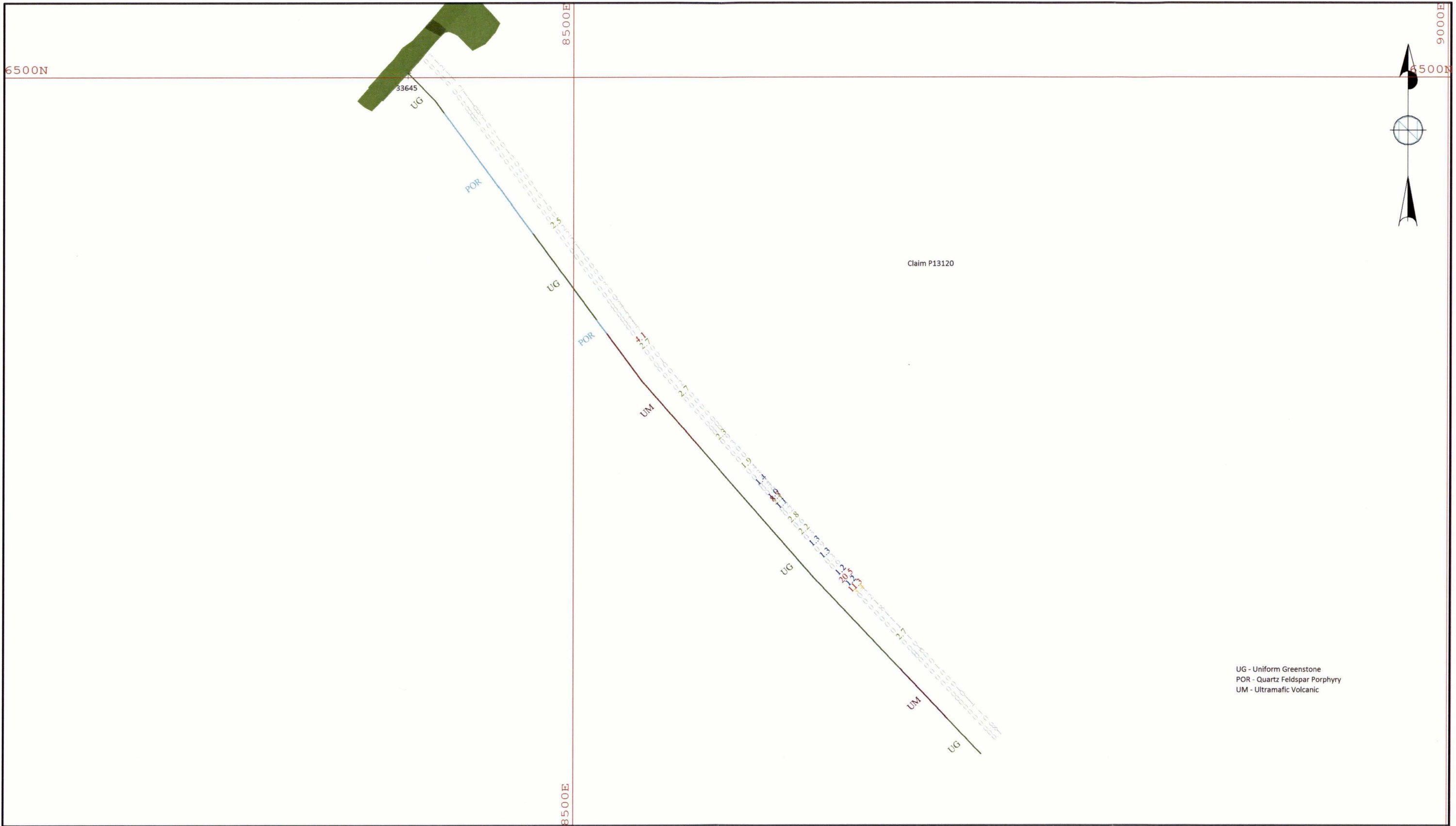
Signed at Timmins, Ontario, November 17, 2014



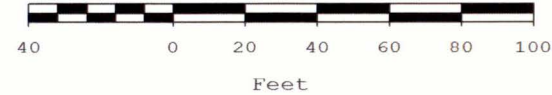
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68.58	70.1	1.52	E798395	4.616	2.69267					1			
70.1	71.63	1.52	E798396	0.071	0.04142	2	quartz-calcite	stringers		0.5			
71.63	73.15	1.52	E798397	0.068	0.03967					0.5			
73.15	74.68	1.52	E798398	0.107	0.06242	1	quartz-calcite	stringers		0.5			
74.68	76.2	1.52	E798399	0.04	0.02333	2	quartz-calcite	stringers		0.5			
76.2	77.72	1.52	E798400	0.056	0.03267	1	quartz-calcite	stringers		0.5			
77.72	79.25	1.52	E848981	0.178	0.10383	2	quartz-calcite	stringers		1			
79.25	80.77	1.52	E848982	0.262	0.15283	4	quartz-calcite	stringers		0.5			
80.77	82.3	1.52	E848983	4.637	2.70492	3	quartz	stringers		1			
82.3	83.82	1.52	E848984	0.014	0.00817	2	quartz-calcite	stringers		0.5			
83.82	85.34	1.52	E848986	0.048	0.028	6	quartz-calcite	stringers		1			1 inch irregular shear vein with calcite, cubic pyrite
85.34	86.87	1.52	E848987	0.033	0.01925	4	quartz-calcite	stringers		0.5			
86.87	88.39	1.52	E848988	0.043	0.02508	2	quartz-calcite	stringers		0.5			
88.39	89.92	1.52	E848989	0.029	0.01692	1	quartz-calcite	stringers		0.5			
89.92	90.83	0.91	E848990	0.028	0.01633	2	calcite	stringers		0.5			
90.83	91.93	1.1	E848991	0.027	0.01575					0.5			
91.93	92.96	1.04	E848992	3.991	2.32808	30	quartz-ankerite	tension vein	3	4	1		irregular veining at low angles TCA, semi massive sulphides
92.96	94.49	1.52	E848994	1.49	0.86917	2	quartz-ankerite	stringers	1	1			stringers up to 1 inch
94.49	96.01	1.52	E848995	0.463	0.27008	2	quartz-calcite	stringers	2	1			
96.01	97.54	1.52	E848996	0.005	0.00292	6	quartz-calcite	stringers		1			
97.54	99.06	1.52	E848997	0.074	0.04317	6	quartz-calcite	tension vein		0.5			
99.06	100.58	1.52	E848999	3.182	1.85617	5	quartz-calcite	tension vein		2			
100.58	102.11	1.52	E849000	0.641	0.37392					1			well formed cubic py
102.11	103.63	1.52	E742961	0.43	0.25083					1			well formed cubic py
103.63	104.39	0.76	E742962	2.435	1.42042	6	quartz-ankerite	stringers		1	0.5		shear stringers at 40 deg TCA up to 1 inch
104.39	105.16	0.76	E742963	0.321	0.18725	4	quartz-ankerite	tension vein	2	1			irregular vein cutting subparallel TCA, fracture filling sulphides
105.16	106.16	1.01	E742964	0.605	0.35292	2	quartz-ankerite	stringers		1			
106.16	107.38	1.22	E742966	1.031	0.60142	2	quartz-ankerite	stringers	1	1			
107.38	107.99	0.61	E742967	1.74	1.015	25	quartz-ankerite	tension vein	8	3			strongly bleached, irregular veining approx 1 inch at 30 deg TCA,
107.99	108.6	0.61	E742968	14.2	8.28333	30	quartz-ankerite	tension vein	2	3			small speck of VG in wall rock at edge of vein, irregular veining at low angles TCA
108.6	109.42	0.82	E742970	3.597	2.09825	4	quartz-ankerite	shear vein	0.5	3			bleached, 1 inch at 40 deg TCA
109.42	110.64	1.22	E742971	1.93	1.12583	3	quartz-ankerite	stringers		3			py mainly associated with irregular stringer
110.64	111.25	0.61	E742972	0.363	0.21175	1	quartz-ankerite	stringers		2			
111.25	112.78	1.52	E742973	0.366	0.2135	1	quartz-calcite	stringers		1			
112.78	114.3	1.52	E742974	4.78	2.78833	1	quartz-ankerite	stringers		2			irregular tension stringer
114.3	115.82	1.52	E742975	0.995	0.58042					2			
115.82	117.35	1.52	E742976	3.833	2.23592	2	quartz-ankerite	stringers		1			
117.35	118.87	1.52	E742978	0.454	0.26483	6	quartz-ankerite	stringers		1			irregular stringer approx 1/2 inch
118.87	120.4	1.52	E742979	2.162	1.26117	3	quartz-ankerite	stringers	1	2	0.5		somewhat irregular, up to 1.5 inch
120.4	121.92	1.52	E742980	1.493	0.87092	1	quartz-ankerite	stringers	0.5	1			irregular
121.92	123.44	1.52	E742981	2.203	1.28508	4	ankerite	stringers		1			several irregular ank stringers
123.44	124.97	1.52	E742982	0.541	0.31558	2	quartz-ankerite	stringers	0.5	1			
124.97	126.49	1.52	E742983	1.077	0.62825	1	quartz-ankerite	stringers	0.5	1			
126.49	128.02	1.52	E742984	2.112	1.232	4	quartz-ankerite	stringers	0.5	1	0.2		irregular stringers, stringer with speck of sphalerite?
128.02	129.54	1.52	E742985	35.1	20.475	6	quartz-ankerite	stringers		1			irregular stringers and qtz calcite
129.54	130.61	1.07	E742986	2.066	1.20517					3	0.5		
130.61	131.98	1.37	E742987	19.4	11.3167	30	quartz-ankerite	massive	5	2	3		Irregular vein with irregular contacts
131.98	132.59	0.61	E742989	5.82	3.395	2	quartz-ankerite	stringers	2	1	0.5		
132.59	134.11	1.52	E742990	0.593	0.34592				4	2	0.5		bleached
134.11	135.64	1.52	E742991	0.391	0.22808	6	quartz-calcite	stringers		1			irregular
135.64	137.16	1.52	E742992	0.086	0.05017					1			

137.16	138.68	1.52	E742993	1.298	0.75717	2	quartz-tourmaline	stringers		2			
138.68	140.21	1.52	E742994	0.206	0.12017	2	quartz-calcite	stringers		4	1	bands of py and cp	
140.21	141.73	1.52	E742995	0.106	0.06183					1	0.5		
141.73	143.26	1.52	E742997	0.209	0.12192	2	carbonate	stringers		2	1		
143.26	144.78	1.52	E742999	4.58	2.67167	4	carbonate	stringers		6		py mainly associated with cb stringers	
144.78	146.3	1.52	E743000	0.181	0.10558	2	quartz-calcite	stringers		4			
146.3	147.83	1.52	E849001	0.074	0.04317	2	carbonate	stringers		0.5			
147.83	148.53	0.7	E849002	0.252	0.147	6	quartz-calcite	stringers		1			
148.53	149.35	0.82	E849004	0.07	0.04083	1	quartz-calcite	stringers		0.5			
149.35	150.88	1.52	E849005	0.037	0.02158	4	carbonate	stringers					
150.88	152.4	1.52	E849006	0.032	0.01867	2	carbonate	stringers		0.5			
152.4	153.92	1.52	E849008	0.101	0.05892	4	quartz-calcite	stringers		0.5			
153.92	155.45	1.52	E849009	0.022	0.01283	2	quartz-calcite	stringers		0.5			
155.45	156.97	1.52	E849010	0.04	0.02333	5	quartz-calcite	stringers		0.5			
156.97	158.5	1.52	E849011	0.022	0.01283	4	quartz-calcite	stringers		0.5			
158.5	159.59	1.1	E849012	0.25	0.14583	4	quartz-tourmaline	stringers		0.5		irregular with calcite	
159.59	160.63	1.04	E849013	0.04	0.02333	2	quartz-calcite	stringers		0.5			
160.63	161.67	1.04	E849014	0.124	0.07233	2	quartz-calcite	stringers		1			
161.67	163.07	1.4	E849015	0.1	0.05833	0.5	quartz-calcite	stringers		4	0.5		
163.07	164.29	1.22	E849016	1.182	0.6895					3	1		
164.29	165.81	1.52	E849018	0.112	0.06533					1	0.5		
165.81	167.34	1.52	E849019	0.026	0.01517	2	quartz-calcite	stringers		1			
167.34	168.65	1.31	E849020	1.085	0.63292	8	quartz-calcite	tension vein		3		irregular veining and stringers	
168.65	169.47	0.82	E849021	1.349	0.78692	15	quartz-calcite	tension vein		2		irregular vein and few stringers	
169.47	170.99	1.52	E849022	0.162	0.0945	2	quartz-calcite	stringers		1			

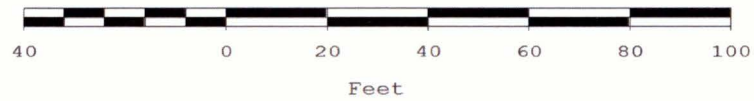
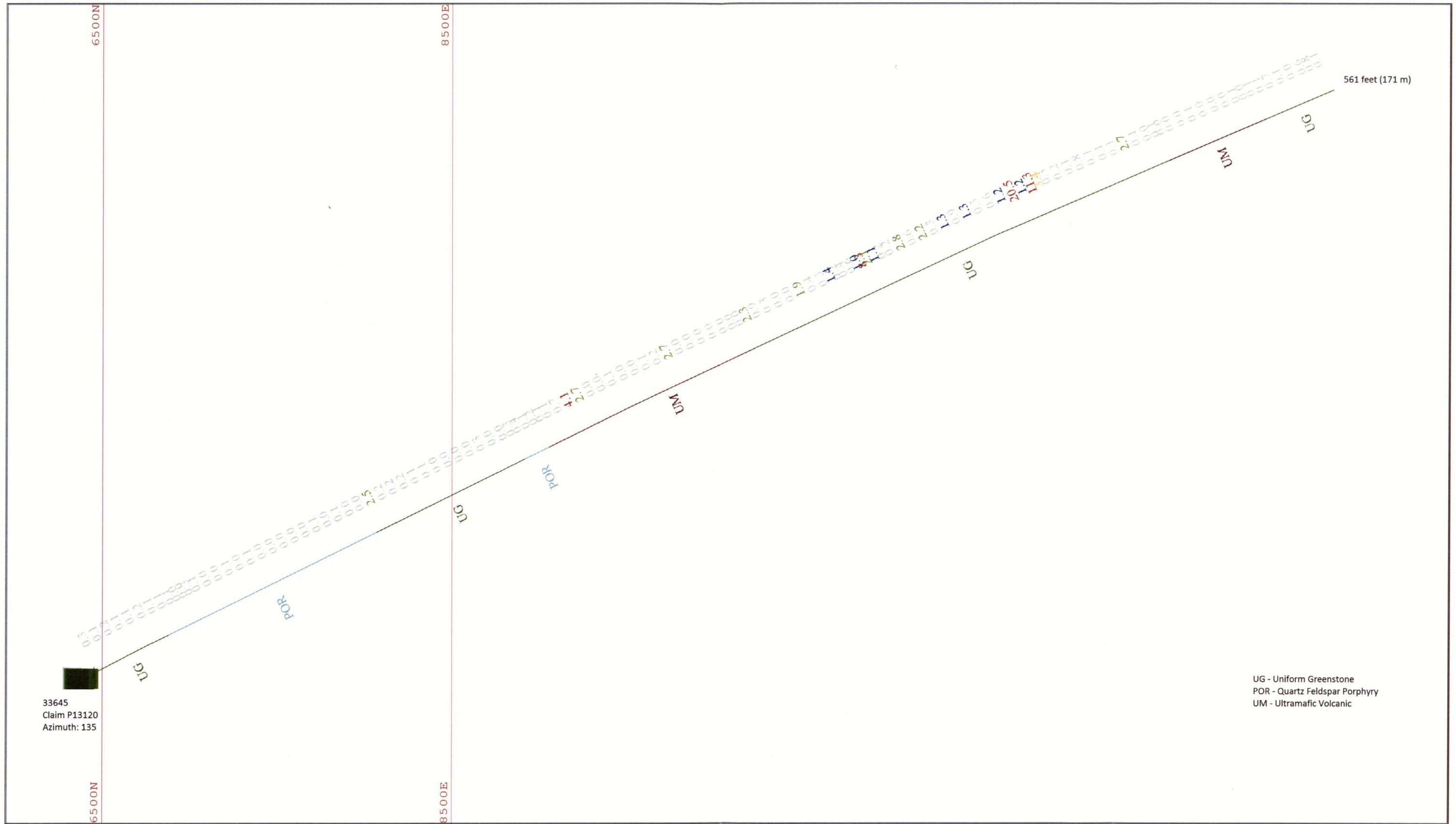


UG - Uniform Greenstone  
 POR - Quartz Feldspar Porphyry  
 UM - Ultramafic Volcanic



DATE	DRAWN	PLAN	GEO.	ROCK MECH	VENT	MINE DEPT.	ENG. DEPT.	H&S	DESCRIPTION
17/11/14	SH								Dome Mine Grid
									Assay Values in dwt/tn

**Goldcorp - Porcupine Gold Mines**  
 SUBJECT Plan of DDH 33645  
 SCALE 1:630



DATE	DRAWN	PLAN	GEO.	ROCK MECH	VENT	MINE DEPT.	ENG. DEPT.	H&S	DESCRIPTION
17/11/14	SH								Dome Mine Grid
									Assay Values in dwt/tn

Goldcorp - Porcupine Gold Mines	
SUBJECT	DDH 33645
SCALE	1:450