

DIAMOND DRILL REPORT
for holes JX04-12, 13, 15, and 20
ASSESSMENT SUBMISSION

2.29401

Prepared for
OSPREY GOLD CORP
Jerome Project

by

Walter Hanych

February 14, 2005

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PORCUPINE MINING DIVISION

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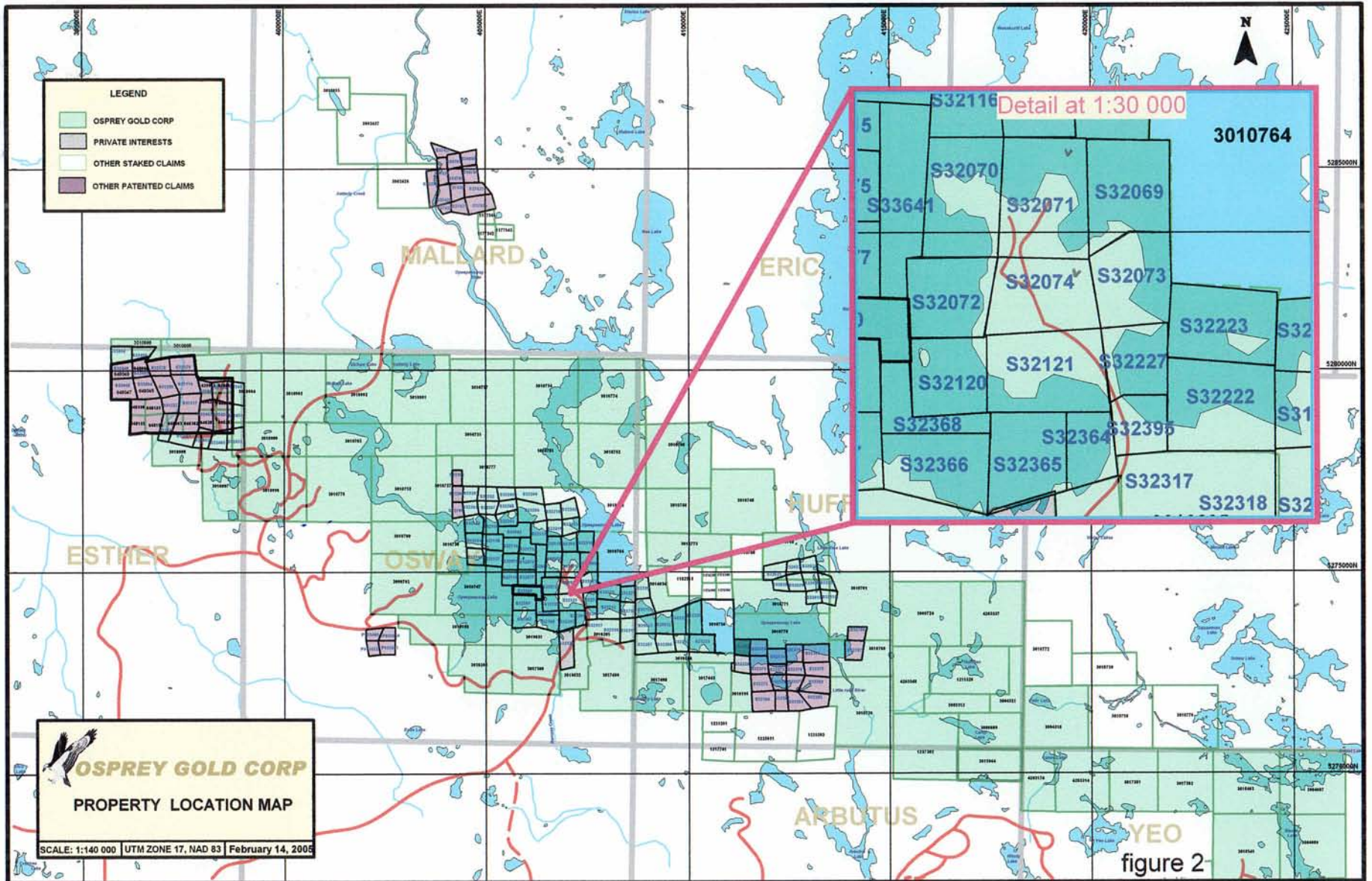
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DDH JX04-12	11 pages
DDH JX04-13	6 pages
DDH JX04-15	5 pages
DDH JX04-20	5 pages



Introduction

This diamond drill report, prepared as an assessment submission, includes drill logs for holes that are part of an ongoing diamond drill program to assess the economic potential of the Jerome Mine, a past producing mine that generated 56,878 ounces of gold and 15,104 ounces of silver from 355,000 tons of ore mined.

Location and Access

The property is located in Osway Township NTS index 41O/9 on a peninsula that extends into Opepeesway Lake. Referenced to the NAD 83 datum, the UTM co-ordinate of the shaft collar is, 406 912 E and 5 275 079 N. The claims are situated within the jurisdiction of the Porcupine Mining Division.

Access to the property is gained by travelling west on the Sultan road from highway 144 at the intersection of highway 560, which is land marked by the Watershed Restaurant. At kilometre 43.5, the old mine road leads in a general north direction and terminates at Ramsey Creek, the site of a dismantled bridge that once provided vehicular access right to the property. Currently, an ATV vehicle is required to ford the creek to complete the remainder of the 2-kilometers to the site of the area of the shaft collar, where the diamond drilling that is the subject of this report was executed, (see figures 1 and 2).

Claims Work Performed

All the drill holes included in this submission were collared on two patented claims, namely, S32071 and S32074, (see accompanying map; figure 2).

Drill Hole Summary Table

DDH Id	AZIMUTH	DIP	DEPTH ft	UTM NAD83		MINE GRID	
				Easting	Northing	Easting	Northing
JX04-12	034	45	950	407103	5274776	30750	24660
JX04-13	214	77	850	407202	5274959	30650	25300
JX04-15	034	45	750	407143	5274804	30800	24800
JX04-20	034	45	600	407028	5274926	30250	24920
Totals			3,150				

Personnel

The supervision and logging of the core was shared between geologists, **Dr. Peter Fischer** of 76 Athlone Crescent, Stratford, Ontario and **Walter Hanych** of 235, 11th Line, Collingwood, Ontario, acting as consultants to Osprey Gold Corp.

Summary of Exploration Work

- 1938; mineralized vein discovered by Bert Jerome.
- 1939-1945; Canadian Mining Corporation of Canada undertook diamond drill program totalling 38,149 feet, and underground development of ore body on five levels.
- 1941-1945; produced 56,878 ounces of gold and 15,104 ounces of silver from 335,000 tons of ore grading 0.19 oz/ton gold and 0.05 oz/ton silver, developed along a 3,000 foot strike length.
- 1945; mine closed due to war-time labour shortage. Maximum drifting and cross-cutting amounted to 24,425 feet, and with a maximum shaft depth of 1,100 feet.
- 1973; E.B. Eddy Forest Products drill 16 holes totalling 8,415 feet east of the shaft.

- 1981; Bridgeview Resources Ltd, rehabilitate infrastructure, de-water to the 200-foot level, drill 9-holes totalling 2,710 feet.
- 1985; Muscocho Explorations Ltd., undertook geophysical surveys, and drilled 22-holes totalling 11,124 feet.
- 1987-1989; Muscocho Explorations Ltd., carried out a program of surface and underground drilling amounting to a total of 78,376 feet.
- 2003; property acquired by Osprey Gold Corp.

Current Drilling Submitted

Accompanying this report are four drill logs, (JX04-12, -13, -15 and -20) along with the relevant sections and location plans. The survey data for the respective hole can be found, on the front page of each drill log, incorporated into header.

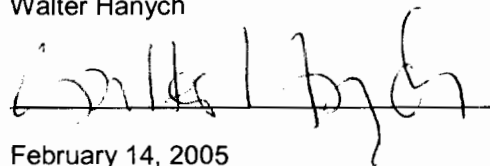
The core is currently being stored at Osprey's field camp, situated 1.5 kilometres west of the intersection of highways 144 and 560, and 1.0 kilometre south of the Sultan road, in Invergarry Township.

Bibliography

Charpentier B.J., McAdam J.H., Botsford J.N., 1985; Jerome Project Feasibility Study, Commissioned by Muscocho Explorations Limited,

Millard J.E., 1989; Jerome Gold Project, Exploration Report for the Period December 1987 Through April 1989, Muscocho Explorations Limited, 62p.

Walter Hanych

A handwritten signature in black ink, appearing to read 'Walter Hanych', written over a horizontal line.

February 14, 2005

Ontario



OSPREY GOLD CORP.

JEROME PROJECT

GENERAL LOCATION

MAP

Figure 1

Date / Time of Issue: Thu Mar 03 15:50:07 EST 2005

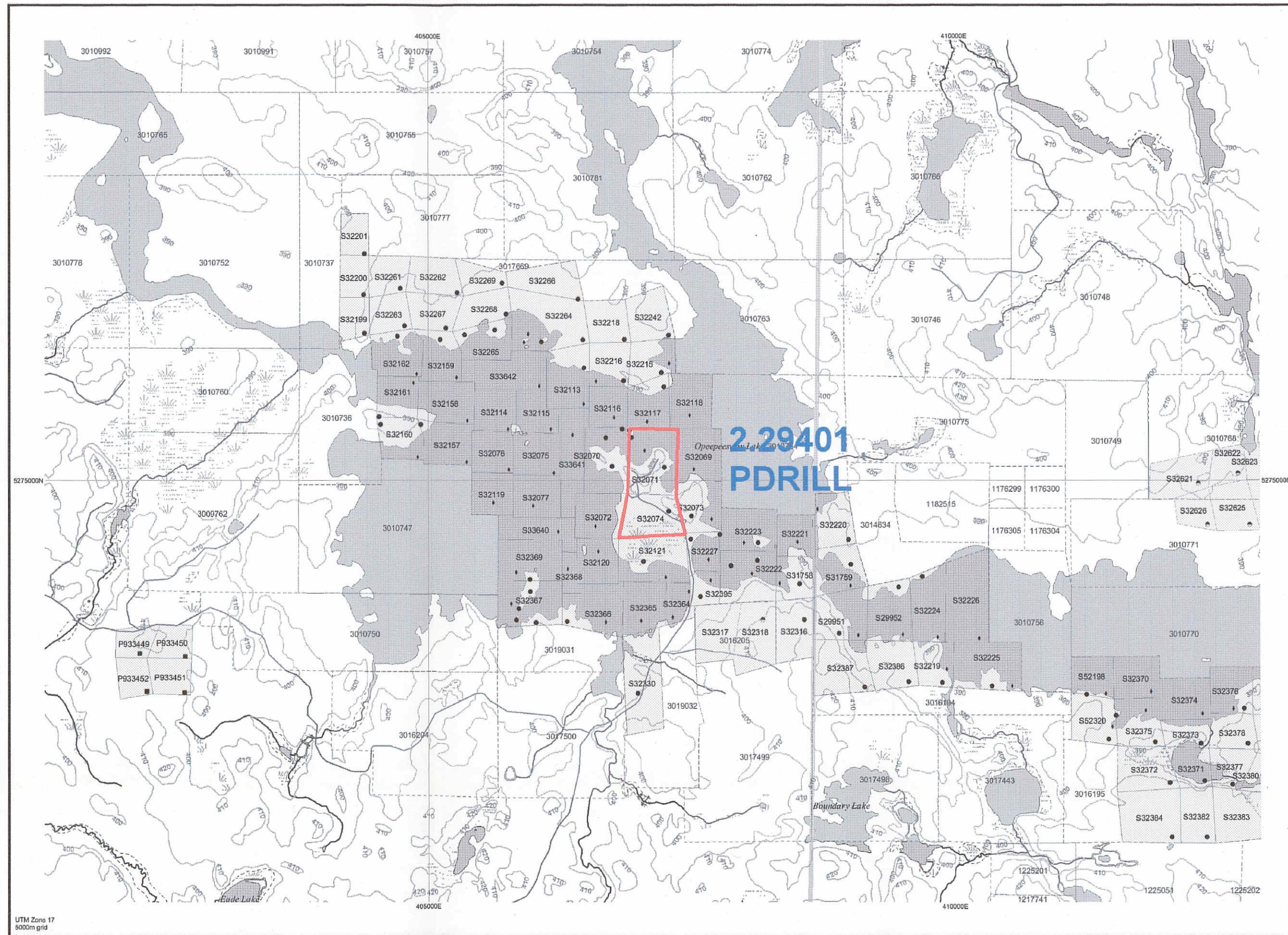
TOWNSHIP / AREA
OSWAY

PLAN
G-3243

ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division
Land Titles/Registry Division
Ministry of Natural Resources District

Porcupine
SUDBURY
CHAPLEAU

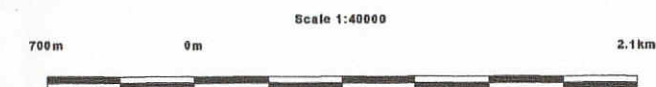
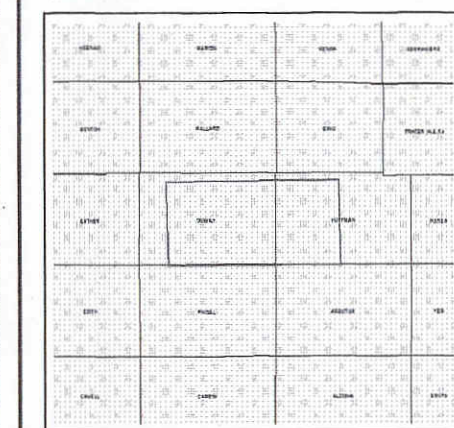


TOPOGRAPHIC

- Administrative Boundaries
- Township
- Concession, Lot
- Provincial Park
- Indian Reserve
- Cliff, Pit & Pile
- Contour
- Mine Shafts
- Mine Headframe
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Utilities
- Tower

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
- Licence of Occupation**
 - Uses Not Specified
 - Surface And Mining Rights
 - Surface Rights Only
 - Mining Rights Only
 - Land Use Permit
 - Order In Council (Not open for staking)
 - Water Power Lease Agreement
- Mining Claim**
 - Mining Claim
 - Filed Only Mining Claims
- LAND TENURE WITHDRAWALS**
 - Area Withdrawn from Disposition
 - Mining Act Withdrawal Types**
 - Surface And Mining Rights Withdrawn
 - Surface Rights Only Withdrawn
 - Mining Rights Only Withdrawn
 - Order In Council Withdrawal Types**
 - Surface And Mining Rights Withdrawn
 - Surface Rights Only Withdrawn
 - Mining Rights Only Withdrawn
- IMPORTANT NOTICES**
 - Important Notices



Those wishing to stake mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Northern Development and Mines for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources.

The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Northern Development and Mines web site.

General Information and Limitations
 Contact Information:
 Provincial Mining Recorders' Office
 Willet Green Miller Centre 933 Ramsey Lake Road
 Sudbury ON P3E 6B5
 Home Page: www.mndm.gov.on.ca/MNDMMINES/LANDS/mlmnpge.htm

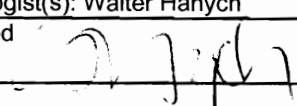
Toll Free
 Tel: 1 (888) 415-9845 ext 570
 Fax: 1 (877) 670-1444

Map Datum: NAD 83
 Projection: UTM (6 degree)
 Topographic Data Source: Land Information Ontario
 Mining Land Tenure Source: Provincial Mining Recorders' Office

This map may not show unregistered land tenure and interests in land including certain patents, leases, easements, right of ways, flooding rights, licences, or other forms of disposition of rights and interest from the Crown. Also certain land tenure and land uses that restrict or prohibit free entry to stake mining claims may not be illustrated.

Diamond Drill Log

OSPREY GOLD CORP

Hole ID: JX04-12	Project: Jerome Mine	Township: Osway	Claim: S32074
Started: July 5, 2004	UTM Zone: 17	Easting: 407103	Mine Easting: 30750
Completed: July 10, 2004	Datum: NAD 83	Northing: 5274776	Grid Northing: 24660
Core Size: BQ	Casing removed: No	Dip: -45	Azimuth: 034
Dip Tests	Footage	45	500
	Angle	48	49
Topo Elevation: 1293 feet	Mine Elevation: 9973 feet	Core Uriits: Imperial	Field Easting: 750
Drilled by: Ron Kor Diamond Drilling, Sudbury, ON	Mining Division: Porcupine	Geologist(s): Walter Hanych	Signed 
Objective: Mid point of M88-2 and U89-11.			

Lithology			Description
From	To	Length	
			Note: major units in bold type, minor units in regular type.
0.0	45.7	45.7	Overburden
45.7	91.7	46.0	Polymictic Conglomerate High chlorite, matrix supported. Variable clast size from grit-pebble-cobble, ranging in composition from felsic to mafic with rare feldspar porphyry clast. Subround-round displaying up to 10:1 clast attenuation at high angle to core axis, with a subparallel orientation. Some show weak hematization.
45.7	50.0	4.3	Trace fine grain pyrite.
50.0	55.0	5.0	Trace fine grain pyrite. Interbed of greywacke.
55.0	58.8	3.8	Chloritic, strong attenuation of mafic clasts up to 10:1, felsic clasts unaffected but fractured.
58.8	62.0	3.2	Round cm clasts of feldspar porphyry.
62.0	63.5	1.5	5mm carbonate-quartz-magnetite-pyrite vein with fuzzy margins, 10% pyrite and magnetite. Section is strongly foliated with weak silicification, overall 1/2% pyrite and 1% oxide.
63.5	67.3	3.8	High chlorite content.
67.3	71.2	3.9	At 69.0 carbonatization associated with fault. 11cm with moderate silicification and hairline stockwork carbonate veinlets. Trace pyrite.
71.2	75.0	3.8	High chlorite content.
75.0	79.7	4.7	Weak hematization especially in lower 30cm.
79.7	88.1	8.4	Subunit: Possible alteration channel. Variably schistose and hematized with strong sericitization, 3% medium grain oxide.
79.7	82.6	2.9	High angle attenuation of clasts, and more intense hematization.
82.6	85.7	3.1	Strong sericitization and schistose especially in lower 40cm. Minor fault gouge developed. 5% oxide.
85.7	86.6	0.9	Very intense sericitization completely obliterating protolith. Variable schistosity. 3% oxide.
86.6	88.1	1.5	Moderate sericitization, 1% oxide.
88.1	91.7	3.6	Weak to moderate sericitization. High angle fabric. Extreme attenuation of felsic clasts.
91.7	108.0	16.3	Arkose Medium grey, weak high angle foliation, fine grain with occasional pebble clast. Weak to moderate sericite, trace oxide and pyrite.
95.8	108.0	12.2	Subunit: Pervasive sericite-carbonate alteration.
95.8	100.4	4.6	Moderate to strong sericitization and carbonatization with high angle fabric (flow fabric), containing fractured clasts of conglomerate as inclusions. Minor hairline contorted chlorite veinlets. Rare fuchsite staining. Bleached. Accessories include trace-1/2% fine grain pyrite, trace oxide and tourmaline.
100.4	104.0	3.6	Weak-moderate carbonatization and sericitization, bleached. Low vein density, 5-15µm. Predominantly medium angle quartz-carbonate veinlets, minor tourmaline pseudo-veins. Accessories include, 1% oxide and tourmaline.
104.0	108.0	4.0	Moderate-strong pervasive sericite alteration. High angle hairline-5mm carbonate veinlets and one high angle 2cm quartz-carbonate vein. Weak high angle fabric.
108.0	125.0	17.0	Greywacke Medium dark grey, fine grain, foliated at a high angle to core axis. 10% biotite, trace

Lithology			Description
From	To	Length	
			oxide and pyrite. Sharp upper contact. Predominantly high angle 1-5mm carbonate-quartz veins, 60-100vm. Minor high angle grey quartz veins of V1-type. Cross-cut by V3-type carbonate stringers.
108.0	113.3	5.3	Contains a medium angle 1cm quartz-biotite-carbonate vein with 1/2% interstitial chalcopyrite.
113.3	118.9	5.6	Trace medium grain pyrite.
118.9	119.8	0.9	15cm low angle carbonate-quartz vein with internal 3mm high sericite section.
119.8	123.8	4.0	Predominantly high angle 1-5mm carbonate-quartz veins, 100vm. Trace fine grain disseminated and clustered pyrite.
125.0	158.2	33.2	Feldspar Porphyry / Trondhjemite, (South Zone-1) Medium grey-pink with variable hematization, silicification and carbonatization. High vein density of 400vm in a chaotic network of hairline-5mm carbonate veins forming an incipient breccia. Minor cm high angle grey quartz veins. Rare fuchsite. Complete alteration of feldspar by carbonate.
123.8	126.2	2.4	Contact zone between sediments and intrusive. Intense carbonate veining, 400vm. Strong silicification. Contact defined by a medium angle 3cm carbonate vein.
126.2	129.1	2.9	30cm section with 3% chalcopyrite, 1/2% pyrite and tetrahedrite. 1% tourmaline, disseminated and as pseudo-veinlets. Strong silicification. 15cm with two 2-3cm high angle grey quartz veins.
129.1	132.8	3.7	V1 silicification and veining riddled with V3 carbonate veinlets in a chaotic array, 300vm. Rare fuchsite inclusion. 1% fine grain disseminated pyrite.
132.8	136.2	3.4	Same as previous. Rare 3x30mm irregular sericite solution channel with 5% pyrite and 1% tourmaline.
136.2	139.3	3.1	Strong silicification. High vein density, 500vm. Chaotic array of hairline-10mm carbonate veinlets. 1% fine grain disseminated pyrite, trace tourmaline. Minor cm grey quartz veins of V1-type.
139.3	140.7	1.4	Intense hematization along 10cm and moderate over entire sample length. Crackle breccia formed by random array of hairline-5mm carbonate veinlets, 300vm. 1% fine grain pyrite. 3% very fine grey mineral (molybdenite), as interstitial filling and weak veinlets.
140.7	141.8	1.1	3cm layered, low angle crystal carbonate-quartz vein cross-cutting strong silicification and incipient breccia resulting from a chaotic array of hairline carbonate veinlets of V3-type. Pervasive diffuse silicification of host rock resulting from finely disseminated grey mineral (molybdenite). Rare fuchsite stain. 1% fine grain disseminated pyrite.
141.8	144.2	2.4	Strong silicification, 1% fine grain pyrite, rare fuchsite stain, minor fine grain grey mineral. Stockworks carbonate veining and minor grey veinlets.
144.2	145.8	1.6	30% grey mineralization (molybdenite) associated with silica flooding. Discrete mm angular vein breccia and flow modified breccia fragments, resulting from an autobrecciation phase during flow. Strong silicification. 1% fine grain disseminated pyrite. One 4cm low-high angle branching crack-seal layered carbonate-quartz vein.
145.8	150.3	4.5	Moderate silicification and carbonatization. Low-high angle 1-20mm carbonate-quartz-tourmaline veins and tourmaline veins, some displaying layering and contorted margins. Trace fuchsite, 1/2% fine grain pyrite.
150.3	152.4	2.1	Very low angle V1 vein breccia of dark grey cherty quartz, branching out from a medium angle 15cm section of V1 vein breccia. 1/2% fine grain disseminated pyrite.
152.4	155.0	2.6	High angle, 1-10mm carbonate-quartz veins and V1-type veins, some displaying layering, 50vm. Moderate sericitization and silicification, weak high angle fabric. Trace pyrite and tourmaline, rare fuchsite.
155.0	158.2	3.2	Moderate carbonatization and sericitization. Weak high angle flow fabric with subparallel wispy tabular sericite inclusions. Minor high angle hairline tourmaline veinlets. 1mm-4cm carbonate-quartz veins, 30vm.
158.2	172.6	14.4	Trondhjemite Fine grain, variably bleached by carbonatization and sericitization. Intermittent weak

Lithology			Description
From	To	Length	
			hematization and silicification. Variable vein density averaging 100vm. Network array of carbonate veinlets locally forming an incipient breccia.
158.2	162.6	4.4	Weak carbonatization. High angle hairline-3mm carbonate-quartz veins, 60vm, minor 3mm quartz-tourmaline veins. Weak hematization. 1% oxide, trace pyrite.
162.6	163.2	0.6	Strong rust staining.
163.2	164.8	1.6	Medium angle, 2cm sericite-carbonate vein cross-cut by a crystal carbonate-quartz-tourmaline vein with fine tourmaline rims.
164.8	165.6	0.8	Strong rust staining.
165.6	167.9	2.3	Weak sericitization and carbonatization. Hairline-3mm randomly oriented carbonate quartz veins, 70vm.
167.9	169.4	1.5	Strong carbonatization and sericitization. Weak high angle flow fabric. Trace fine grain and disseminated and wispy tourmaline. Minor disjointed and pygmatic quartz-carbonate veins.
169.4	170.6	1.2	Strong sericitization and carbonatization. Low angle 1cm V1-type vein with trace pyrite. Grey tone of quartz imparted by fine grain disseminated molybdenite.
170.6	172.6	2.0	Weak carbonatization and sericitization, and weak intermittent silicification. Random oriented network of hairline-1mm carbonate veins cross-cut by high angle 2-3mm quartz-carbonate veins, 200vm. Trace very fine grain disseminated pyrite.
172.6	220.0	47.4	Feldspar Porphyry Variably bleached, carbonatized and sericitized. Weak intermittent hematization.
172.6	174.0	1.4	Strong silicification. Very low angle multi-branching 3-8mm in part ribboned grey to cream quartz-carbonate veins of V1-type. Trace pyrite in veins, 1% pyrite in wall rock.
174.0	177.0	3.0	Weak hematization. Discontinuous hairline-1mm chlorite-carbonate-quartz veins weak subparallel orientation. Minor mm sericite-carbonate solution channels. Accessories include trace fine grain pyrite and oxide.
177.0	181.0	4.0	Weak sericitization and carbonatization. Rare mm fuchsite staining. Trace fine grain tourmaline and oxide. High angle 1-3mm carbonate-quartz veins, 30vm.
181.0	186.0	5.0	Weak hematization. Minor mm-cm elongate and round sericite-carbonate solution channels. Very low angle to high angle 1-8mm carbonate-quartz and quartz-carbonate veins, 50vm.
186.0	190.7	4.7	Similar to above but lacking hematization. High angle 1.5cm light grey quartz vein with trace tourmaline and 1% medium grain pyrite. One 3cm high angle carbonate-quartz vein with an associated 1x3cm sericite solution channel. Rare disseminated chalcopyrite.
190.7	191.5	0.8	Low angle multi-branching 2cm quartz-tourmaline-carbonate vein with 1% medium grain disseminated chalcopyrite and pyrite.
191.5	195.0	3.5	Moderate sericitization and carbonatization. Minor mm-cm sericite solution channels. 1/2% oxide, trace tourmaline. One 2-3cm medium angle carbonate-quartz vein. Predominantly 1-3mm low-high angle carbonate-quartz veins. Minor tourmaline stringers. Overall vein count, 30vm.
195.0	199.2	4.2	Generally massive with intermittent intense sericitization over cm lengths. One high sericite-tourmaline solution channel / vein containing 30% tourmaline as contorted veinlets and clusters. Accessories include trace pyrite and chalcopyrite, 1% disseminated oxide. Low vein density.
199.2	204.0	4.8	Low vein density, weak carbonatization and sericitization.
204.0	208.1	4.1	Moderate carbonatization and sericitization with elongate-round mm sericite-oxide solution channels with 30% magnetite. Trace fuchsite staining. One medium angle 1cm carbonate-quartz with weak layering. Low angle colloform carbonate-quartz-tourmaline. Occasional flow modified fuchsite blebs.
208.1	212.5	4.4	Moderate pervasive hematization. 1% oxide.
212.5	215.0	2.5	Weak pervasive hematization and carbonatization. Contains 3x4cm irregular high sericite solution channel with 3% fine grain disseminated tourmaline and 2% oxide.
215.0	220.0	5.0	Weak pervasive hematization and carbonatization. Massive. 30cm section bleached with high sericite and carbonate. 2cm high angle layered weakly brecciated

Lithology			Description
From	To	Length	
			carbonate-quartz vein with weak dusting of grey mineral, (molybdenite).
220.0	239.4	19.4	Vein Breccia Zone (South Zone-2)
220.0	222.3	2.3	Weak hematization, low vein count. One low angle multi-branching V1-type vein. One low angle 1cm carbonate vein.
222.3	225.0	2.7	Moderate sericitization and carbonatization with a high angle flow fabric. Three 2-4 cm high angle V1-type veins, one displaying strong mm brecciation by V3-type carbonate phase. Trace-1/2% disseminated chalcopyrite, trace pyrite. Weak pervasive silicification.
225.0	228.7	3.7	High angle subparallel and stockwork array of 5-10mm grey quartz-carbonate veins of V1-type in two separate 10-15cm sections. Trace pyrite in wall rock, trace tourmaline.
228.7	230.5	1.8	High angle 1-3mm subparallel and stockwork array of V1-type veining, 100vm. Cross-cut by random network of hairline V2-type carbonate veins, 300vm. Minor late 3cm high angle crystal carbonate-quartz veins. Strong carbonatization and sericitization. 3% fine grain disseminated pyrite, trace chalcopyrite, 1% tourmaline, minor sericite solution channels in wall rock.
230.5	234.4	3.9	Porphyry exhibiting weak high angle flow fabric. Sericitization of feldspars. 10% biotite peppered throughout. Contains 4x4cm irregular inclusion with 50% biotite and 50% sericite, trace chalcopyrite.
234.4	235.4	1.0	10cm high angle light blue-grey quartz vein, V1-type, cut by V3-type carbonate in part brecciating former. 1/2% pyrite in wall rock.
235.4	238.2	2.8	Moderate silicification, sericitization and carbonatization. Stockwork array of mm-cm V1-type veining, 60-100vm. Weak asymmetrical zoning or vein layering with grey quartz phase dominating vein boundaries. Stringers of grey quartz emanating from larger veins. 3% fine grain pyrite in silicified wall rock.
238.2	239.4	1.2	70% V1-type vein material as two solid high angle veins with sharp boundaries. 3% fine grain disseminated pyrite, minor chalcopyrite. Eight 0.1-0.2mm grains of visible gold widely dispersed through the veins. Late V3 carbonate phase locally brecciating V1 veining.
239.4	438.4	199.0	Feldspar Porphyry
239.4	243.0	3.6	Massive, weak carbonatization, sericitization and silicification. Low vein density. Trace tourmaline. Minor sericite solution channels. High angle flow fabric modifying fuchsite inclusions.
243.0	246.1	3.1	Weak carbonatization, 1% oxide. Minor medium-high angle carbonate-quartz veins one exhibiting asymmetrical zoning with mm quartz lamination on up-hole side.
246.1	249.9	3.8	Weak silicification and carbonatization. Minor mm sericite solution channels. Minor very low angle 3-4mm quartz-tourmaline-carbonate veins with trace pyrite and chalcopyrite, massive carbonate veins and zoned quartz-carbonate veins with quartz core.
249.9	250.0	0.1	Very low angle 2.0-2.5cm quartz-tourmaline vein with 1% chalcopyrite and trace pyrite.
250.0	255.0	5.0	Massive, weak hematization, low vein count, trace tourmaline and oxide. Minor mm sericite solution channels.
255.0	256.4	1.4	3-4cm high angle carbonate-quartz-fuchsite-tourmaline vein with pervasive fuchsite staining and weak contorted stringer development.
256.4	259.2	2.8	Weak hematization, minor low angle 3-5mm carbonate-quartz and quartz-tourmaline veins. Accessories include 3% oxide, trace pyrite. Well developed boxy feldspar phenocrysts.
259.2	260.0	0.8	Moderate carbonatization, moderate-strong sericitization. High angle flow fabric. Flow modified sericite inclusions. Weak boudined mm quartz vein subparallel to fabric. Trace-1/2% chalcopyrite associated with sericitization.
260.0	262.1	2.1	Weak hematization and carbonatization. High angle 1-5mm carbonate-quartz and quartz-carbonate veins, 50vm. Trace-1/2% fine grain pyrite, trace tourmaline.
262.1	266.2	4.1	20cm with moderate carbonatization-sericitization and high angle flow fabric. Trace tourmaline, low vein count.
266.2	270.7	4.5	Massive, weak carbonatization-sericitization low vein count. Occasional mm-cm

Lithology			Description
From	To	Length	
270.7	275.3	4.6	sericite-tourmaline-oxide solution channel, one with 1% pyrite. Massive, prominent feldspar phenocrysts. Trace oxide, tourmaline and pyrite. Low vein count.
275.3	275.7	0.4	Medium angle 2-3cm carbonate-quartz vein breccia with inclusions of wall rock and grey quartz veins of V1-type. 5% chalcopyrite, 1% tetrahedrite.
275.7	281.0	5.3	Weak high angle flow fabric. Hairline-10mm carbonate-quartz veins and quartz-carbonate veins, 50vm. One 2cm high angle quartz-carbonate-tourmaline vein. Rare cm sericite solution channel.
281.0	282.8	1.8	Two 3-5cm high angle carbonate-quartz veins. One 2-4cm sericite-tourmaline solution channel with 20% tourmaline. Strong high angle flow fabric. Pervasive sericitization in 10cm section between veins. Trace pyrite.
282.8	286.1	3.3	Predominantly massive, with local weak fabric developed. Trace fine grain pyrite and oxide. Minor mm-cm sericite-tourmaline solution channels.
286.1	289.6	3.5	Two 1.5cm carbonate-quartz veins with an associated strong medium angle fabric in the wall rock. One is cross-cut by numerous high angle chlorite veinlets. Minor fabric oriented medium grain pyrite.
289.6	293.7	4.1	Weak carbonatization, moderate sericitization. Trace disseminated chalcopyrite, pyrite and tourmaline. Occasional elongate mm sericite-tourmaline solution channel in a weak medium angle flow fabric.
293.7	297.4	3.7	Predominantly massive, locally very weak fabric high angle flow fabric. Weak carbonatization and sericitization. High angle hairline-1mm carbonate-quartz veining, 30vm.
297.4	299.7	2.3	Same as previous, with 1-2cm high angle carbonate-quartz veins and low angle quartz-carbonate veins with former cross-cutting latter.
299.7	303.9	4.2	Weak high angle flow fabric, trace disseminated tourmaline and pyrite. Low vein count.
303.9	307.2	3.3	Bleached, moderate sericitization, carbonatization and intermittent silicification. 3% fine grain pyrite associated with silicification. Minor mm-cm sericite-tourmaline solution channels. Weak medium angle flow fabric. Low vein density.
307.2	310.2	3.0	Same as previous, with medium-high angle 1-5mm carbonate-quartz veins some with tourmaline rims, 30vm.
310.2	313.3	3.1	Moderate silicification, weak carbonatization and sericitization. 1% oxide and fine grain pyrite. Medium angle 1cm zoned carbonate-quartz vein with mm bands of carbonate and grey quartz of possibly V1-type. Trace pyrite in veins. Overall low vein count.
313.3	315.0	1.7	Bleached, moderate sericitization and carbonatization. One high angle 4cm carbonate-quartz crack-seal ladder vein. One medium angle 4cm quartz-tourmaline vein.
315.0	319.4	4.4	Moderate silicification, weak sericitization and carbonatization. 1cm medium angle carbonate-quartz crack-seal vein associated with 5cm of strong fabric in a high sericite with 10% tourmaline. 1% sphene and trace pyrite.
319.4	324.1	4.7	Massive, low-high angle quartz-tourmaline, carbonate-quartz and quartz-carbonate veins, 1-5mm, 20vm.
324.1	328.7	4.6	Weak silicification, hematization, carbonatization and sericitization. Sericitization is feldspar destructive. Medium-high angle 1-15mm carbonate-quartz veins some are contorted. Accessories include trace fine grain pyrite, oxide and tourmaline.
328.7	332.1	3.4	Weak hematization, intermittent cm sections of high sericite with weak veinlet formation. Trace tourmaline associated with sericite. Accessories include trace pyrite and oxide.
332.1	335.0	2.9	Massive, weak carbonatization and sericitization, low vein density.
335.0	339.4	4.4	Weak sericitization-carbonatization, weak high angle fabric with rare fuchsite inclusion and sericite-tourmaline solution channel.
339.4	344.2	4.8	Moderate carbonatization and sericitization. Cm sections of multiple carbonate-quartz veining with carbonate phase dominant brecciating host rock, 100vm. High angle flow fabric. Rare elongate cm sericite-tourmaline solution channel. Accessories include trace-1/2% tourmaline, minor pyrite. One low angle quartz-tourmaline vein

Lithology			Description
From	To	Length	
			at core edge.
344.2	348.1	3.9	Weak carbonatization-sericitization. Weak high angle flow fabric. Low vein density. Accessories include trace disseminated tourmaline, rare fine grain pyrite.
348.1	351.5	3.4	Same as previous.
351.5	354.6	3.1	Moderate carbonatization-sericitization. 1-15mm high angle carbonate-quartz veins, 50vm. Trace tourmaline, rare fine grain pyrite.
354.6	355.7	1.1	Medium angle 15cm carbonate-quartz vein breccia with mm V1-type vein breccia with fine grain disseminated pyrite. 10% of the veins is grey quartz. Crack-seal texture. Minor tourmaline.
355.7	358.8	3.1	Weak carbonatization, sericitization and hematization. Weak hematization halos associated with veining. Low-high angle, 3-10mm carbonate-quartz and quartz-tourmaline-carbonate veins with trace chalcopyrite associated with the latter, 30vm. Weak high angle fabric and flow modified mm fuchsite inclusions.
358.8	362.7	3.9	Upper 40cm good feldspar phenocrysts progressively diminishing down-hole. Weak carbonatization-sericitization. Low vein count.
362.7	363.1	0.4	8cm high angle sericite-tourmaline vein / solution channel with 15% mm tourmaline crystals. Sharp boundaries.
363.1	367.2	4.1	Bleached, weak-moderate pervasive carbonatization-sericitization. High angle flow fabric, low vein count.
367.2	369.4	2.2	Moderate carbonatization-sericitization displaying diffuse high angle alteration fronts, may represent internal flow. Low vein count. Accessories include trace tourmaline and oxide.
369.4	372.2	2.8	Same as previous; prominent feldspar phenocrysts forming a crystal mush.
372.2	375.0	2.8	Same as previous; rare fuchsite inclusion.
375.0	378.7	3.7	Same as previous; medium-high angle mm carbonate-quartz veins, 40vm.
378.7	380.3	1.6	Weak silicification, 3% fine grain pyrite.
380.3	382.3	2.0	Weak carbonatization-sericitization. Minor 3-10mm carbonate-quartz veins with crack-seal texture. Trace tourmaline associated with veins.
382.3	384.5		Strong carbonatization with 40% pervasive carbonatization, 30% cm carbonate-quartz crack-seal veins. Minor cm fuchsite inclusions. Minor grey quartz. 1/2% tourmaline in wall rock.
384.5	389.2	4.7	Strong pervasive carbonatization soaking host rock. Mm irregular shape fuchsite inclusions. Medium-high angle flow fabric. Trace disseminated and veinlet tourmaline.
389.2	391.6	2.4	10cm and 40cm carbonate-quartz vein at medium angle. Tourmaline veinlets associated with down-hole vein margins and intervening wall rock which also exhibits strong carbonatization, minor grey quartz and mm fuchsite inclusions.
391.6	393.8	2.2	Strong carbonatization-sericitization, low vein count.
393.8	397.9	4.1	Moderate carbonatization-sericitization.
397.9	402.0	4.1	Minor subround cm sericite-oxide solution channels. One very low angle 2-3mm quartz-tourmaline-carbonate vein. Sericitized feldspars.
402.0	438.4	36.4	Subunit: Grey, massive, fine-medium grain feldspar phenocrysts. Very weak sericitization-carbonatization. Low vein density. Accessories include trace tourmaline and oxide, rare pyrite.
402.0	405.0	3.0	Very low angle 5mm carbonate-quartz vein cross-cut by high angle 3-4mm quartz-carbonate vein.
405.0	409.9	4.9	Medium grain.
409.9	415.0	5.1	Rare mm sericite-tourmaline solution channel. High angle 2mm light grey quartz vein with 1% disseminated fine grain molybdenite and trace chalcopyrite.
415.0	415.8	0.8	Low angle flow oriented medium grain feldspar phenocrysts. Very low angle crystal quartz-carbonate-tourmaline vein cut by core in three separate cm patches along 7cm length. One patch contains a 1.5x1.5cm mass of chalcopyrite.
415.8	419.5	3.7	Variable grain size from fine to coarse.
419.5	422.1	2.6	Very low angle 2mm quartz-tourmaline vein with trace pyrite. Very low angle 3mm quartz-tourmaline vein with 1% chalcopyrite in the vein and trace in the wall rock. One 10mm high angle quartz-carbonate vein.

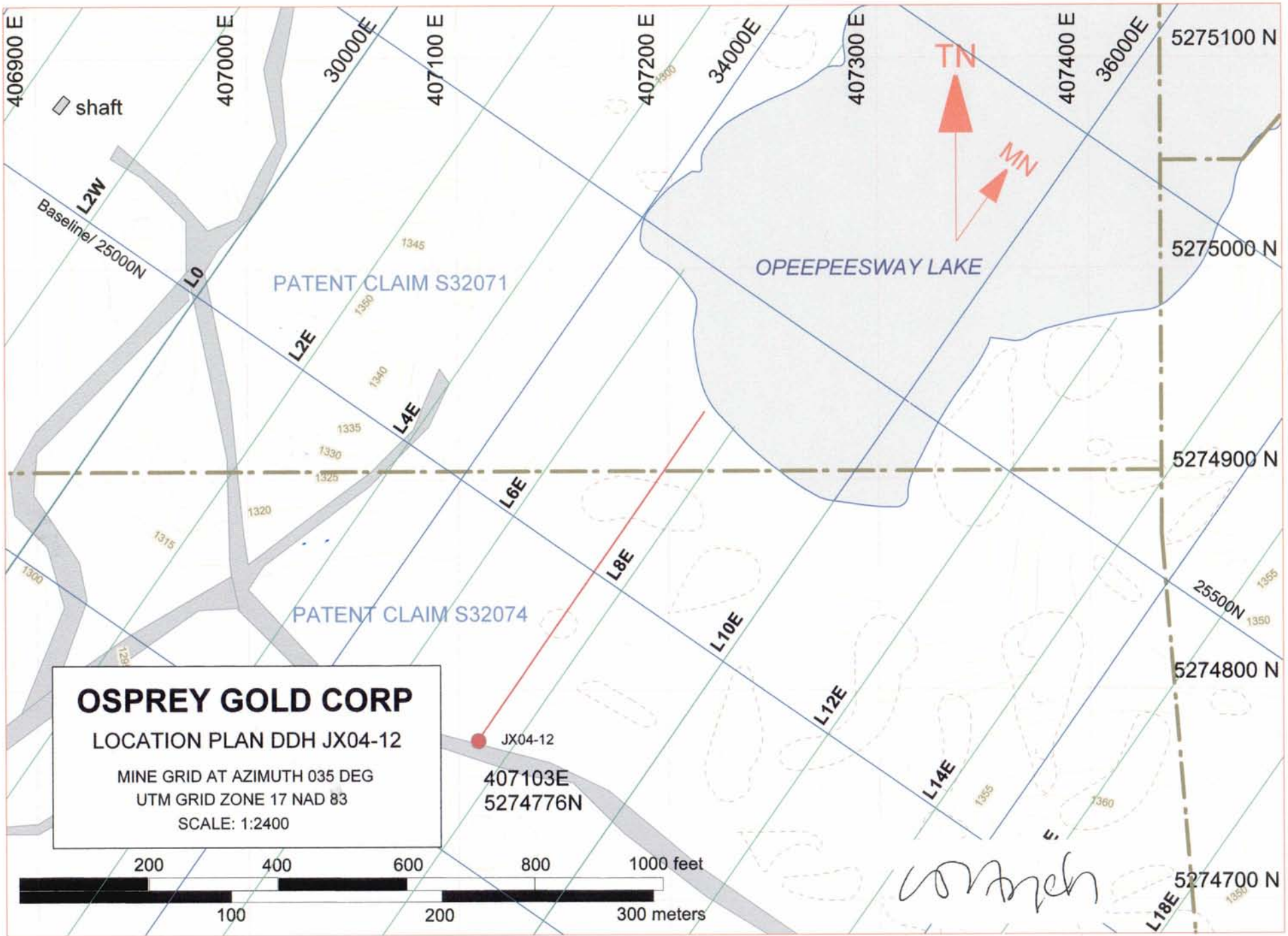
Lithology			Description
From	To	Length	
422.1	423.8	1.7	15cm of stockwork and brecciated host rock resulting from randomly oriented mm carbonate veinlets. Trace oxide, minor pyrite and tetrahedrite.
423.8	427.5	3.7	Minor low angle light grey 3-5mm quartz veins.
427.5	431.6	4.1	Minor high angle light grey 2-3mm quartz veins.
431.6	435.5	3.9	Variable grain size. 10% femags. Low vein density.
435.5	438.4	2.9	Weak hematization and carbonatization. 2cm high angle banded carbonate-quartz vein brecciated by stringers of chlorite. Trace chalcopyrite and pyrite.
438.4	467.0	28.6	Alteration Zone Bleached, strong pervasive carbonatization-sericitization. Variable grain size. Many rounded and carbonate fractured phenocrysts. Strong soaking of porphyry. Accessories include trace tourmaline, minor fuchsite inclusions. High angle hairline-2mm carbonate veins, 200µm, forming an incipient breccia.
438.4	442.5	4.1	Fine-medium grain.
442.5	445.0	2.5	Weak silicification, medium-coarse grain.
445.0	450.0	5.0	Same as previous.
450.0	455.0	5.0	Same as previous.
455.0	456.7	1.7	Carbonatization forms discrete mm-cm inclusions resulting in a pseudo-breccia. Rare chalcopyrite, 1/2% tourmaline.
456.7	458.3	1.6	4cm high angle quartz-tourmaline-carbonate vein.
458.3	461.5	3.2	Massive, weak carbonatization and sericitization.
461.5	462.8	1.3	1cm medium angle quartz vein with trace chalcopyrite.
462.8	466.2	3.4	Moderate pervasive carbonatization-sericitization with rare mm sericite-oxide solution channel.
466.2	467.0	0.8	Low angle vuggy quartz-carbonate-tourmaline vein with 1/2% chalcopyrite. Weak hematization. 1% fine grain oxide, 1/2% fine grain disseminated chalcopyrite.
467.0	476.5	9.5	Feldspar Porphyry Weak hematization, 10% femags, mm-1/2cm feldspar phenocrysts. Mm-cm subround-round high sericite-oxide solution channels, some with trace pyrite and chalcopyrite.
467.0	474.3	7.3	Trace fine grain pyrite and chalcopyrite. 1-3% oxide.
474.3	478.7	4.4	Gradually becoming massive, low in femags.
476.5	504.0	27.5	Altered Feldspar Porphyry Bleached, variable alteration ranging from moderate-strong, generally massive fabric with cm sections with flow fabric. High carbonate-sericite, trace tourmaline associated medium-high angle fabric.
476.5	478.7	2.2	Massive, 3% oxide, 1% pyrite. Moderate sericitization-carbonatization. Occasional irregular mm-1/2cm sericite solution channel. Low vein density.
478.7	483.7	5.0	Same as previous; one very low angle 2mm carbonate-tourmaline-quartz vein.
483.7	484.5	0.8	6cm high angle quartz-tourmaline-carbonate vein. Hematized wall rock for 6cm on up-hole side of vein and 5mm of high sericite on down-hole side. The host rock exhibits a weak pervasive sericitization and fuchsite staining. 3% fine grain clustered pyrite. Tensional quartz filling associated with tourmaline masses.
484.5	486.5	2.0	High sericite-carbonate. Flow modified carbonate inclusions and quartz grains displacing the low-medium angle fabric. Rare tourmaline.
486.5	488.3	1.8	Massive, moderate sericitization and carbonatization, minor mm-cm round sericite-tourmaline solution channels. Accessories include trace tourmaline and oxide, rare pyrite.
488.3	489.3	1.0	Carbonate-quartz breccia vein with strong flow fabric at medium angle. 15% mm angular quartz fragments with weak diffuse grey tones indicative of molybdenite mineralization, V1-type veining. Trace fine grain pyrite.
489.3	492.9	3.6	Moderate carbonatization-sericitization. Weak fuchsite staining. Cm masses of carbonate and weak high angle quartz vein development.
492.9	497.6	4.7	Weak carbonatization-sericitization. Distinct feldspar phenocrysts. High angle 3-13mm carbonate-quartz and quartz-carbonate veins, 30µm. 15cm section with moderate silicification with a random array of mm carbonate stringers. 1% pyrite in wall rock.

Lithology			Description
From	To	Length	
497.6	501.0	3.4	Intermittent moderate cm sections of sericitization-carbonatization. Irregular shape cm sericite solution channels with wispy tails. Trace tourmaline. Quartz flooding and 5-10mm vein development at low angle. Larger veins display carbonate laminated edges. Weak grey overtone suggestive of diffuse molybdenite mineralization and V1-type vein development. 1% pyrite, trace tourmaline and weak fuchsite staining.
501.0	504.0	3.0	Entire length may be one complex varitextured carbonate-quartz crack-seal vein. Mm angular quartz fragments and weak banding of quartz. Lower 4cm contains V1-type breccia. Trace tourmaline associated with quartz. 1% pyrite in wall rock.
504.0	523.9	19.9	Feldspar Porphyry Massive, variable alteration, fine grain. Generally low vein count. 10-15% femags.
504.0	506.8	2.8	Medium angle 2-5mm subparallel quartz veins, +- tourmaline, 30vm. One vein with tourmaline contains 1% pyrite.
506.8	511.0	4.2	Moderate pervasive silicification with 5% fine grain disseminated pyrite. Subparallel and randomly oriented hairline chlorite veinlets, 30vm.
511.0	515.0	4.0	Intermittent moderate cm silicification with 3% disseminated pyrite. Rare cm sericite solution channel.
515.0	520.0	5.0	Intermittent moderate cm silicification with 3% pyrite, 1% chalcopyrite. Minor disseminated and veinlet tetrahedrite? Low vein density.
520.0	523.9	3.9	Low-medium angle, 3-5mm grey quartz veins cross-cut by randomly oriented hairline-2mm carbonate-quartz veins forming an incipient breccia, 80vm.
523.9	538.1	14.2	Altered Feldspar Porphyry
523.9	526.6		Moderate and locally strong cm silicification and quartz-carbonate veins. 15cm section of quartz micro-breccia with carbonate matrix with 1% disseminated and clustered tetrahedrite? Dusty molybdenite mineralization. V1-type veining.
526.6	530.0	3.4	Intermittent veining of low-medium angle, 3-5cm light grey quartz-carbonate veins, some with carbonate spine. Sharp vein boundaries.
530.0	533.6	3.6	20cm section 2/3rds of which is fine grain sericite and biotite, (50-50), phase appearing to be brecciated by fine grain feldspar porphyry.
533.6	538.1	4.5	1cm, very low angle quartz-carbonate vein +- tourmaline, meandering and branching along core length. Cross-cut by late high angle 1cm carbonate-quartz vein.
538.1	553.0	14.9	Feldspar Porphyry Fine grain, mm round-angular high sericite solution channels. Predominantly massive. Variable pervasive moderate hematization along meter lengths.
538.1	540.7	2.6	Low-high angle, 5-8mm quartz-carbonate and carbonate-quartz veins, 10vm. One low angle 5mm quartz-carbonate vein with trace pyrite and hematite.
540.7	541.2	0.5	2-3cm high angle quartz-carbonate-tourmaline with ribbon and massive tourmaline. 1/2% chalcopyrite associated with tourmaline sometimes forming matrix cement.
541.2	545.0	3.8	Massive, weak silicification. Low-medium angle 3-4mm quartz-carbonate veins, 20vm.
545.0	549.2	4.2	Massive, weak carbonatization. Low vein density. Minor mm sericite solution channels.
549.2	553.0	3.8	Same as previous but hematized.
553.0	587.5	34.5	Trondhjemite Medium grey, fine grain. Low-high angle, 5-15mm quartz-carbonate veins and 2-3mm carbonate-quartz veins, 50vm. Some with trace pyrite and chalcopyrite.
564.0	565.0	1.0	1-10cm carbonate-quartz veins with weak ladder development. Trace clustered pyrite associated with vein margins.
571.6	573.3	1.7	35cm multi-branching quartz-tourmaline-sulphide vein with 20% massive and crystal tourmaline and 1% sulphide, predominantly chalcopyrite, minor pyrite. Chalcopyrite occurs in massive cm size with pyrite cores and interstitial to tourmaline.
575.5	576.8	1.3	40cm of intermittent quartz veining with trace pyrite and weak V1-type veining.

Lithology			Description
From	To	Length	
587.5	640.0	52.5	Altered Trondhjemite
587.5	597.0	9.5	Moderate-intense sericitization with meter sections containing 5% disseminated tourmaline and multi-oriented carbonate-quartz ladder veins and vein breccia of V1-type. Rare fuchsite staining. High angle flow fabric.
597.0	640.0	43.0	Moderate pervasive sericitization, feldspar destructive. Complete soaking of rock. Trace disseminated pyrite and tourmaline. Random oriented hairline-15mm carbonate-quartz and quartz-carbonate veins some with trace pyrite, chalcopyrite, and specular hematite. Overall vein density, 30vm.
640.0	653.7	13.7	Feldspar Porphyry
640.0	645.0	5.0	Strong sericitization and carbonatization with a moderate-high flow fabric. 2-10mm high angle subparallel light grey quartz-carbonate veins some with trace pyrite, 20vm. Accessories include 1% tourmaline, minor fuchsite staining and trace disseminated pyrite.
645.0	648.6	3.6	Strong carbonatization and sericitization. Strong fabric developed in 25cm section exhibiting silicification and ribbon veining of subparallel grey quartz and carbonate veinlets forming an incipient breccia of V1-type and V3-type veining averaging 300vm, with trace pyrite and chalcopyrite. 1.5cm section of silicification with 3% disseminated chalcopyrite. Overall vein density, 20vm. Accessories include trace pyrite, 1% tourmaline and rare fuchsite.
648.6	653.7	5.1	Strong sericitization and carbonatization. Low-medium angle quartz-carbonate veins some exhibiting brecciation with a chlorite matrix. Vein widths range from 2-15mm. Overall vein count, 40vm. One low angle quartz-carbonate-tourmaline vein with minor mm masses of chalcopyrite.
653.7	721.6	67.9	Vein Breccia - Jerome Main Zone
653.7	658.2	4.5	Vein breccia, V3 phase dominant. 20% V1 breccia. Strong carbonatization and sericitization with late cm carbonate-quartz veins, 400vm. Intermittent cm sections with 10% fine grain disseminated py.
658.2	660.6	2.4	Silicified, moderate carbonatization. V1 occurs as discrete mm stringers randomly oriented resulting in an incipient breccia of the host rock. Low V3 veining. Late generation 0.5-1.3cm carbonate-quartz veins with crack-seal and layered texture, at medium angle to core axis. Latest generation of veining are high angle 5mm grey quartz veins. Vein density, 300vm. 10% fine grain pyrite associated with silicification.
660.6	663.3	2.7	Same as previous.
663.3	666.4	3.1	Similar to above; but lower 50cm contains 50% fragments of a late generation of veining. 10% is V1 vein breccia. Accessories include trace tourmaline, rare pyrite and tetrahedrite.
666.4	669.0	2.6	Strong pervasive carbonatization-sericitization with a weak flow fabric. 10% fine grain disseminated pyrite and 1% tourmaline. Weak V1 phase. Hairline and wispy randomly oriented V3 veining. Mm-cm medium-high angle late grey quartz veins. Overall vein density, 200vm.
669.0	670.8	1.8	Section is entirely with weak diffuse grey colour throughout. Mm concentrations of darker grey reflecting variable molybdenite content. Brecciated by V3 veining, 300vm. Trace fine grain pyrite and tetrahedrite.
670.8	675.5	4.7	Strong pervasive sericitization and carbonatization. Intermittent cm sections of crackle breccia and incipient breccia. 5% disseminated pyrite, 1/2% tourmaline, rare fuchsite staining.
675.5	678.0	2.5	V1-V2-V3 vein breccia with a strong high angle fabric. 30% V1 fragments, mm-1/2 cm size. 10% pyrite associated with V2. Vein density, 300vm. Textures range from high angle fabric to chaotic breccia. Accessories include 1/2-1% tourmaline.
678.0	678.7	0.7	Crack-seal quartz carbonate vein with trace tourmaline. Randomly oriented tension filling quartz.
678.7	682.8	4.1	V1-V2-V3 vein breccia. 30% mm-1/2cm angular V1 breccia. Trace clustered tourmaline, trace disseminated pyrite and minor patchy pyrite. 400vm.
682.8	685.9	3.1	Vein breccia with 20% angular mm-cm V1 fragments. 400vm. 10% fine grain pyrite overprinting all veins. Rare coarse grain.

Lithology			Description
From	To	Length	
685.9	689.3	3.4	Similar to above but with 10% V1 breccia fragments.
689.3	694.0	4.7	Vein breccia system dominated by V3 carbonate phase. 10% V1. Trace-1/2% tourmaline, 3% fine grain disseminated pyrite.
694.0	698.8	4.8	Same as previous.
698.8	703.6	4.8	V2 phase dominant with cm section of V1 stringers.
703.6	708.7	5.1	Vein breccia system dominated by V2 phase.
708.7	713.2	4.5	Vein breccia system with a high angle fabric and flow modified V1 fragments. Overall 10% V1. 1/2% tourmaline, cm sections with mm clusters of fine grain pyrite, averaging 1%.
713.2	717.1	3.9	Late generation quartz-carbonate veining (V4), cross-cut by mm randomly oriented grey quartz veins.
717.1	721.6	4.5	Vein breccia with 5% V1. 1/2 of core is dominated by V3 veining while the other half is late carbonate-quartz vein of V4 generation. 6cm of V1 vein contains 3% pyrite and trace tetrahedrite.
721.6	738.7	17.1	Moderately Altered Feldspar Porphyry Predominantly massive, moderate hematization, carbonatization and sericitization. 1% tourmaline. Low vein count, 50vm. Randomly oriented 1-4mm grey quartz-carbonate veins. Minor fuchsite.
738.7	757.2	18.5	Strongly Altered Feldspar Porphyry Strong pervasive sericitization and carbonatization completely obliterating protolith. Trace disseminated tourmaline and pyrite. Rare cm sections with interstitial pyrite associated with tourmaline concentrations. Minor V1 vein phase and minor grey quartz flooding. Overall vein density, 200vm.
757.2	791.0	33.8	Moderately Altered Feldspar Porphyry
757.2	766.8	9.6	Moderate pervasive carbonatization and sericitization. Rare cm sections with 3% very fine grain disseminated pyrite often associated with tourmaline. At 766.8 low angle high sericite flow fabric with mm stringer tourmaline, trace coarse grain pyrite.
766.8	769.7	2.9	Strong carbonatization and sericitization. Pseudo breccia texture developed. Fragments exhibit weak hematization.
769.7	773.7	4.0	Moderate pervasive carbonatization and sericitization. Weak hematization. Low vein count.
773.7	791.0	17.3	Moderate to strong hematization. Minor mm sericite solution channels. Trace fine grain pyrite and oxide. Section cut by cm high angle quartz tourmaline veins with trace pyrite and chalcopyrite. Chlorite veining and carbonate-quartz veins brecciate host rock forming a weak incipient breccia. 5 cm with 1/2% medium grain pyrite.
791.0	802.0	11.0	Strongly Altered Feldspar Porphyry
791.0	793.8	2.8	Strong sericitization and carbonatization with an incipient breccia in upper 30-40cm. Pervasive alteration in lower 30-40cm. Overall 1% fine grain disseminated pyrite.
793.8	802.0	8.2	Moderate to strong carbonatization-sericitization and weak hematization. Sericitization is pervasive as well as forming distinct solution channels and veins. Random chaotic carbonate-quartz veins forming an incipient breccia. Trace to locally 1/2% fine grain disseminated pyrite. Rare low angle cm quartz-carbonate-tourmaline veins with trace chalcopyrite and pyrite.
802.0	905.0	103.0	Feldspar Porphyry Vari-textured and variable alteration. Moderate-strong hematization. Fine-medium grain with distinct feldspar laths, (so-called Jerome Porphyry). Variable sericite alteration with mm-cm solution channels and veins often with 1-3% disseminated tourmaline. Overall low vein density of 50-80vm, dominated quartz-carbonate and carbonate quartz veins.
807.0	808.9	1.9	Random oriented low angle carbonate-quartz veins with 1% tourmaline and 1% clustered and semi-massive pyrite.
	811.7		2cm high angle grey quartz vein with 3% fine grain disseminated pyrite.
	817.6		1cm low angle quartz-carbonate-tourmaline vein, rare pyrite.
	823.5		Low angle carbonate-quartz vein with 1% pyrite and chalcopyrite.
	827.3		2cm medium angle quartz-tourmaline vein with 1% chalcopyrite, trace pyrite.

Lithology			Description
From	To	Length	
	841.0		Broken core in a 2cm grey quartz vein with trace chalcopyrite.
866.0	869.0	3.0	Coarse grain, porphyritic.
886.0	895.0	9.0	Weak hematization. Rare fine grain pyrite associated with high angle grey quartz veins. Note: very low vein count of 30vm beyond 870.0.
895.0	905.0	10.0	Very weak hematization, occasional cm sericite solution channel with trace pyrite and 1/2-1% tourmaline. Overall massive fabric.
905.0	922.0	17.0	Trondhjemite
			Very weak hematization and sericitization with occasional cm sericite solution channel with trace pyrite and tourmaline. Dominated by 3-5mm grey quartz veins some with trace pyrite.
	910.6		5cm section with multiple 5mm carbonate-quartz-sericite-chlorite veining with a pyrite dispersion halo containing 5% disseminated pyrite. Veining is at a high angle to core axis.
	919.7		4cm high angle grey quartz-carbonate vein with a 5mm asymmetrical sericite alteration halo on the down-hole side of the vein.
922.0	960.0	38.0	Feldspar Porphyry
922.0	925.0	3.0	Porphyritic facies.
925.0	930.7	5.7	Strong hematization, fine grain phase.
930.7	937.0	6.3	Porphyritic facies. At 930.7, low angle quartz-tourmaline vein with 5% coarse grain pyrite.
937.0	942.3	5.3	Fine grain phase. Weak hematization, rare cm sericite solution channel.
942.3	946.3	4.0	Porphyritic facies, weak hematization.
946.3	955.9	9.6	Fine grain phase. Moderate hematization. At 948.7, 2cm grey quartz-carbonate vein with 5% pyrite, 1% chalcopyrite, 1/2% molybdenite, at high angle to core axis. At 952.8, 1.0-1.5cm low angle quartz-carbonate vein with minor tourmaline and trace pyrite.
952.8	960.0	7.2	Porphyritic facies. Weak high angle fabric.
	960.0		End of Hole

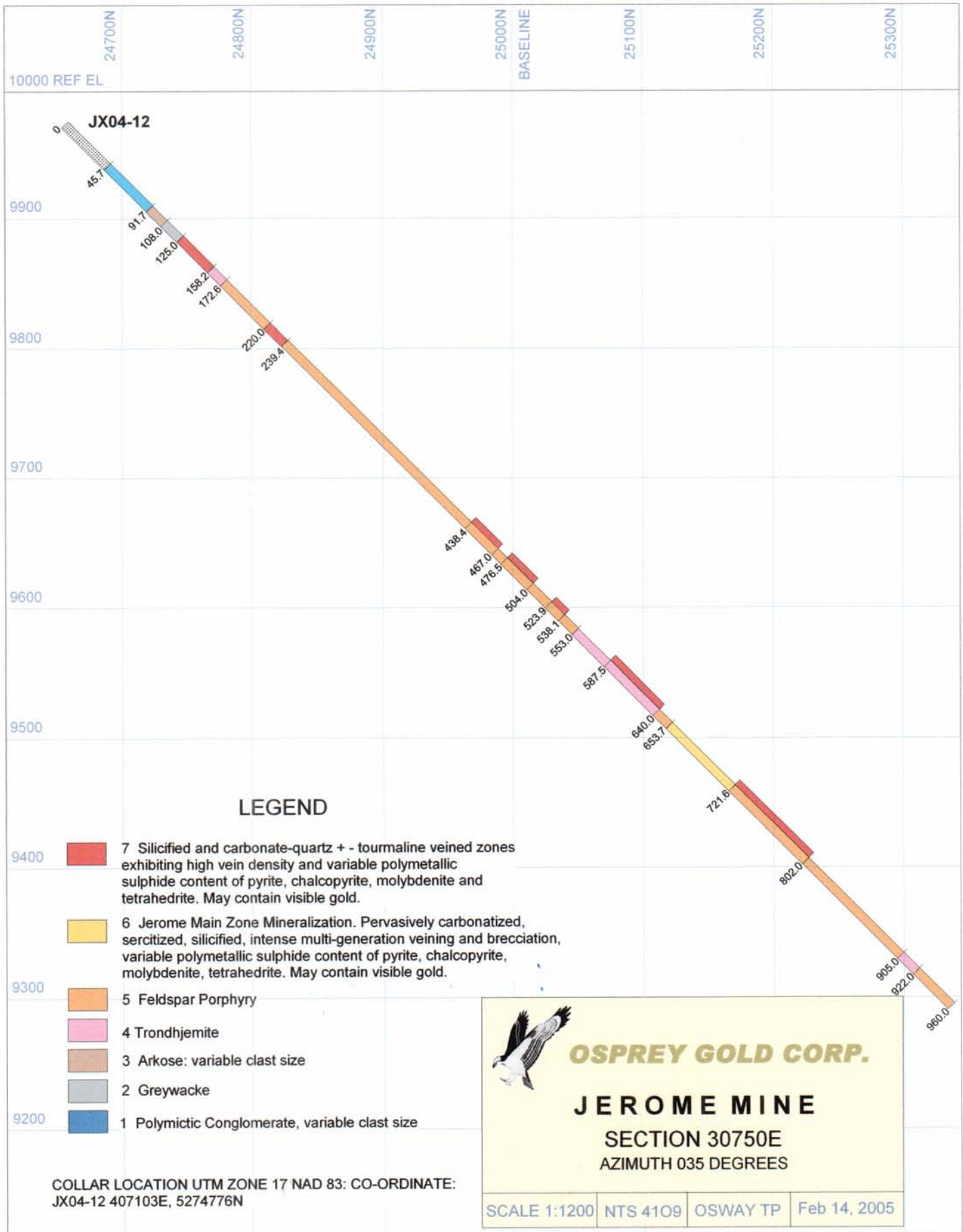


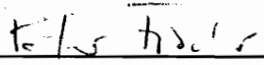
OSPREY GOLD CORP
LOCATION PLAN DDH JX04-12
MINE GRID AT AZIMUTH 035 DEG
UTM GRID ZONE 17 NAD 83
SCALE: 1:2400

JX04-12
407103E
5274776N



W. Smith



Diamond Drill Log					OSPREY GOLD CORP		
Hole ID: JX04-13		Project: Jerome Mine		Township: Osway		Claim: S32071	
Started: July 10, 2004		UTM Zone: 17		Easting: 407202		Mine Easting: 30650	
Completed: July 12, 2004		Datum: NAD 83		Northing: 5274959		Grid Northing: 25300	
Core Size: BQ		Casing removed: No		Dip: -77		Azimuth: 214	
Dip Tests	Footage	20	425	850	Length: 850 feet		Grid Northing: 300
	Angle	78	77	76	Core Units: Imperial		Geologist(s): Peter Fischer
Topo Elevation: 1303 feet		Mine Elevation: 9983 feet		Mining Division: Porcupine		Signed: 	
Drilled by: Ron Kor Diamond Drilling, Sudbury, ON							
Objective:							
Lithology			Description				
From	To	Length					
Note: major units in bold type, minor units in regular type.							
0.0	50.0	50.0	Overburden				
50.0	95.0	45.0	Feldspar Porphyry. Medium grained and fine grained, massive and in part weakly foliated. Variable texture and chlorite abundance, at a scale of 1 - 5 ft. Weak alteration to fresh, pink colour, low vein density.				
50.0	55.0	5.0	Feldspar-Porphyry, medium grained. Pink colour. Fresh feldspar phenocrysts low quartz abundance 1-3% disseminated chlorite. 20-40 veins/m, moderate angle, hairline to 1mm. Trace oxide, pyrite, chalcopyrite.				
55.0	58.9	3.9	Feldspar-Porphyry and Trondhjemite. Variable texture, pink-gray, weak sericite alteration: 5-10% sericite after feldspar. Trace oxide, pyrite, chalcopyrite.				
58.9	65.0	6.1	Ditto above, with trace oxide, pyrite, chalcopyrite, molybdenite. Chalcopyrite and molybdenite in rare hairline to 1 mm chlorite-carbonate-veins, low angle. Within veins high chalcopyrite abundance (10%), trace molybdenite.				
65.0	70.0	5.0	Ditto above. 30-60 veins/m 1-5mm quartz veins, moderate angle. Trace oxide, pyrite, chalcopyrite. Trace chalcopyrite in hairline veins.				
70.0	73.7	3.7	Ditto above. Trace chalcopyrite in rare hairline-veins.				
73.7	77.5	3.8	Ditto above. At 75' 10cm portion of stockwork of blue-gray, chalcedony type quartz vein; with associated 5cm size, green, high sericite-chlorite solution channel. 30-50 veins/meter, 2-10mm quartz carbonate veins moderate angle. Trace pyrite, chalcopyrite, tourmaline in veins.				
77.5	81.6	4.1	Ditto above. Trace chalcopyrite as coarse grains in one 2cm wide quartz vein; in cluster/halo. 50-100v/m carbonate veins, quartz carbonate veins, sericite-veins/stockwork. At 80' one 4cm sericite rich stockwork. Trace oxide, pyrite, chalcopyrite.				
81.6	85.0	3.4	Ditto. 50-100 veins/m hairline-2mm, moderate to low angle. Trace pyrite, oxide, chalcopyrite (in halos). Core strongly fractured, 100 fractures/m.				
85.0	90.0	5.0	Ditto above. One low angle, 2cm, ribboned quartz (carbonate) vein with trace chalcopyrite. Trace pyrite in veins, trace chalcopyrite in veins.				
90.0	95.0	5.0	Similar above. Colour medium gray (dark gray). Feldspar-porphyry/trondhjemite, medium grained, slightly porphyritic. Alteration weak: Sericite 10-15%. 30-50v/m, 2% 1cm solution channels, high high-sericite-chlorite. Trace oxide, pyrite.				
95.0	102.0	7.0	Feldspar-Porphyry, moderately altered 5-10% chlorite, 10-15% sericite. 30-50 veins/m 2-10mm quartz (carbonate) veins, moderate angle-high angle. Accessory oxide, pyrite, chalcopyrite, all trace.				
95.0	98.7	3.7	Feldspar-Porphyry, as described above. Trace chalcopyrite in 1mm carbonate-chalcopyrite veins. In places quartz-vein-stockwork, 10-20cm, with discontinuous 5mm gash quartz veins.				
98.7	102.0	3.3	Feldspar-Porphyry, ditto, moderate sericite alteration sharply decreasing at lower end of interval. 30-50 veins/m, moderate angle. 2% high sericite solution channels. Trace tourmaline, pyrite.				
102.0	107.2	5.2	Feldspar-Porphyry. 102-104' pink, fresh, weak hematization. 104-107.2' weak to moderately sericitized.				
102.0	107.2	5.2	As described above. 1/2 fresh pink, 1/2 weak-moderate altered ditto 95-102'. 20-40 veins/meter. Trace pyrite in veins and halos, trace oxide in chlorite-oxide-veins.				
107.2	133.0	25.8	Trondhjemite, fine grained-medium grained, equigranular, in part porphyritic. Alteration weak-moderate sericite. Colour medium-dark gray. Some pink feldspar preserved. 3% disseminated chlorite. 20-40 veins/m, quartz veins, quartz-carbonate veins, chlorite-carbonate-oxide veins. Hairline-3mm moderate angle. Trace oxide, pyrite, chalcopyrite.				
107.2	111.4	4.2	Trondhjemite, as described above.				

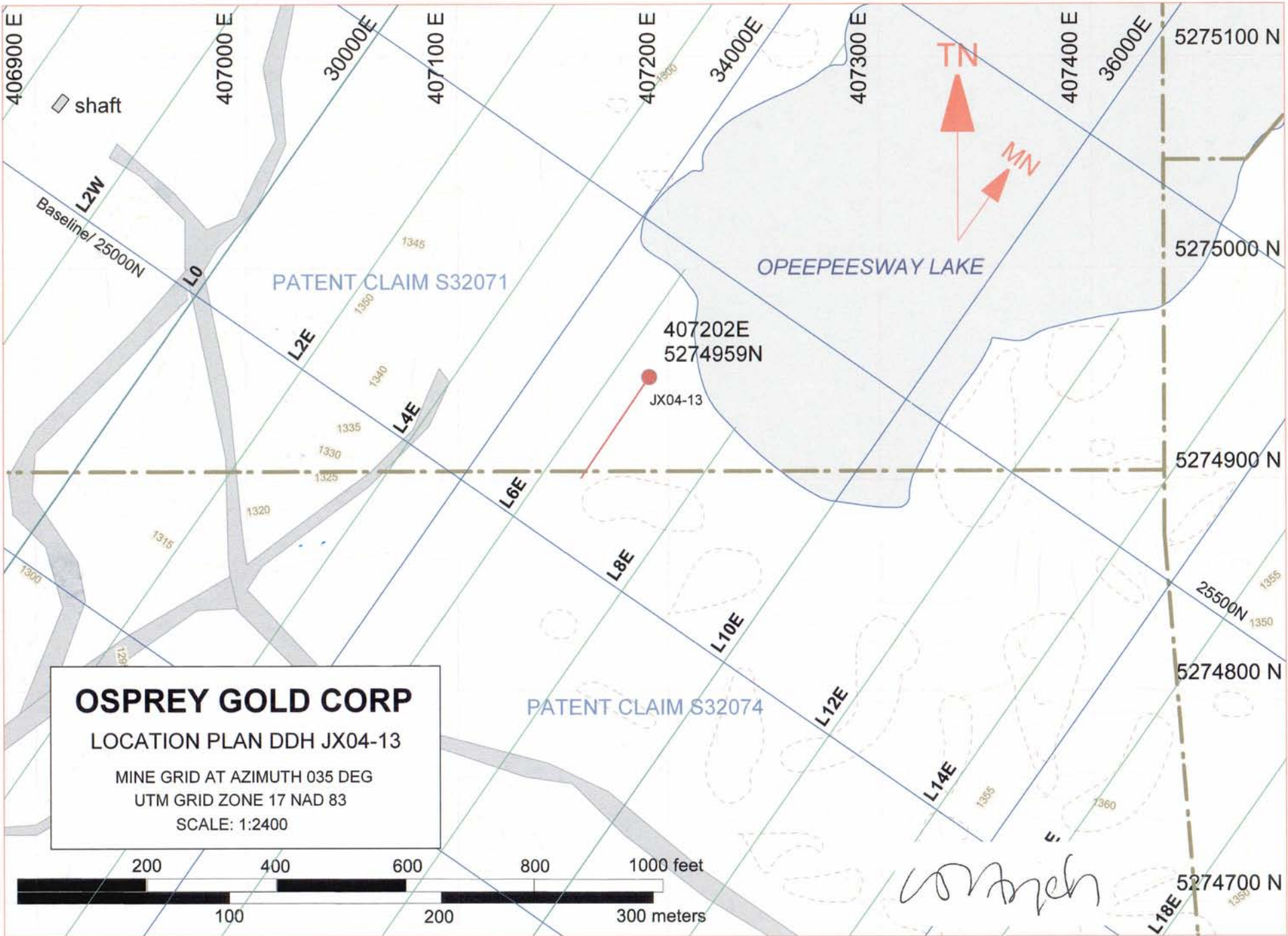
Lithology			Description
From	To	Length	
111.4	115.0	3.6	Ditto, light gray. Moderate-strong sericite-carbonate-alteration. 3% high sericite-solution channels. 40-60 veins/m, hairline-5mm carbonate veins, carbonate-quartz veins. Trace pyrite, tourmaline, tetrahedrite, trace-0.5%. Chalcopyrite as hairline-vein halos. Weak fabric 30TCA.
115.0	120.3	5.3	Ditto. Fine grained, moderate sericite alteration, medium-dark gray. 115-115.5' hard, silicified. 5% mm-cm high-sericite stringers/solution channels in part near veins. 30-50 veins/ meter, hairline-10mm, in part stockwork. 119-120' low angle carbonate-quartz veins with 3% magnetite, 1% pyrite. Total pyrite 0.5-1%, in veins and halos, trace oxide, chalcopyrite.
120.3	125.0	4.7	Ditto above. At 121' one 3x6cm high sericite patch (solution channel). At 125' One low angle, 1cm quartz tourmaline vein. Accessory trace oxide, pyrite, disseminated. Trace chalcopyrite in veins.
125.0	128.3	3.3	Ditto above. Alteration weak-moderate, lower 1/2 in part fresh, feldspar. At 128 1cm low angle quartz-tourmaline-chalcopyrite-magnetite-veins. 20-40 veins/m. Trace pyrite, tourmaline. Total chalcopyrite trace to 0.5%
128.3	133.0	4.7	Ditto, fine grained, dark gray 15% disseminated chlorite, 10-30% sericite. Alteration weak-moderate, increasing down hole 50-80 veins/m, in part quartz vein stockwork. Trace pyrite in vein halos, trace tourmaline disseminated.
133.0	140.7	7.7	Trondhjemite , fine grained-medium grained, 1-2mm grain size, light green gray, strong sericite alteration. 20-50 veins/m 2-10mm low angle, a) quartz veins, b) 3cm vein breccia, carbonate veins, with 1cm high sericite tourmaline halo. Trace tourmaline in veins and disseminated. Trace pyrite, molybdenite in veins.
133.0	137.7	4.7	Trondhjemite, as described above.
137.7	140.7	3.0	Ditto, weak fabric 40TCA . 3% high-sericite patches (solution channels). Trace pyrite. Decrease of sericite alteration, relative increase of disseminated chlorite. Trace pyrite.
140.7	185.0	44.3	Trondhjemite/Feldspar-Porphyry . Similar above, less alteration, moderate sericite alteration. Fine grained-medium grained massive, colour medium-dark gray. Low vein density 30-50 veins/m, moderate angle-high angle. Accessory pyrite, tourmaline.
140.7	145.0	4.3	Trondhjemite, as described above. Medium grained (1-2mm), weak alteration. 20-40 veins/meter, low angle 3-10 mm quartz veins. In part quartz-stockwork. Several 1cm high sericite patches (solution channels). Trace tourmaline, pyrite, chalcopyrite.
145.0	149.8	4.8	Ditto above. Alteration weak-moderate. Trace tourmaline, pyrite.
149.8	155.0	5.2	Ditto above. With one 4x10cm meta-gabbro-inclusion. Blocky texture, at 154'.
155.0	159.8	4.8	Trondhjemite moderate-strong alteration. At 150' 50-70% sericite, strong alteration, 1% tourmaline, 1% pyrite. Low vein density 20-30 veins/m. Total pyrite trace, as rare 1mm cubes.
159.8	163.0	3.2	Ditto above. With 10% cm-size patches and halos of high-sericite-tourmaline-pyrite (solution channels?). Low vein density. Total pyrite 0.5-1% disseminated and in halos, associated with high sericite and veins. Tourmaline trace- 0.5%.
163.0	167.3	4.3	Ditto above. With 3cm quartz (carbonate) veins moderate angle, at 162' with 10cm silicified zone on down hole side. Low vein density. Trace tourmaline, pyrite.
167.3	170.0	2.7	Ditto above. 163-165' weakly altered, feldspar-porphyry. 165-167.3' moderately altered trondhjemite. Trace dusty pyrite, chalcopyrite in hairline vein halos.
170.0	175.0	5.0	Ditto above. Alteration weak-moderate, sericite, 20-40 veins/m. Moderate to high angle. Trace pyrite, chalcopyrite in hairline-vein halos, trace disseminated tourmaline.
175.0	180.3	5.3	Ditto above. Dark gray, fine grained. Alteration moderate, sericite 5% mm-cm size high sericite solution channels. 10 veins/m, 5mm low angle quartz veins. Trace tourmaline, pyrite, chalcopyrite in vein halos.
180.3	185.0	4.7	Ditto above. With Vein Breccia 177.5-179': Carbonate veins, disrupted, in chlorite-carbonate matrix and 2% pyrite. 179-180' 1cm quartz vein with en-echelon faulting, 2cm offset every 3cm. Trace pyrite, tourmaline.
185.0	255.9	70.9	Trondhjemite/Feldspar-Porphyry , Similar above, medium grained. Generally weak alteration and in part fresh (weak hematite). Colour medium gray and pink. Minor portions moderate-strong sericite alteration.
185.0	189.7	4.7	Ditto above. With one 1.5cm low angle quartz vein parallel to core axis. Common en-echelon faulting along high angle micro faults. Trace pyrite, tourmaline.
			Trondhjemite and feldspar-porphyry , weak alteration (hematite) to fresh. Rare opalescent quartz-eyes, 185-187' medium grained, 187-189.7' pink. Fine grained and medium grained. 3% disseminated chlorite. 50-100 veins/m hairline-2mm, high angle. One 15mm low angle quartz vein. Trace pyrite.

Lithology			Description
From	To	Length	
189.7	194.0	4.3	Ditto above. Trondhjemite and feldspar-porphyry. Weak alteration, sericite, hematite. Colour gray and pink. 5-10 veins/m 1cm quartz veins, low to moderate angle. Trace pyrite.
194.0	199.2	5.2	Ditto above. Trondhjemite, medium-dark gray. Two quartz-tourmaline-veins, one a) quartz-tourmaline vein, 1cm, b) 3-4cm trace pyrite, oxide.
199.2	201.3	2.1	Ditto, fine grained gray trondhjemite, with one 3cm low angle quartz-tourmaline vein, offset en-echelon along micro faults, high angle. Trace pyrite.
201.3	205.0	3.7	Similar above. Fresh, fine grained trondhjemite, moderate gray. 10-15% bluish quartz in matrix interstitial to fresh feldspar. 5-10% disseminated chlorite. 10-20 veins/meter, 2-10mm low angle quartz veins. 203-205' quartz-stockwork, trace pyrite. Comment: rock is rather fresh, has low vein density, and is unusually free of pyrite. Rock is barren.
205.0	210.0	5.0	Ditto above. Gray, weakly altered, sericite. 100-200 veins/m quartz veins, fine grained carbonate-quartz-veins, low angle, high angle, in part crackle breccia. 1-2% sericite-chlorite rich solution channels. Trace pyrite as scattered 1mm cubes.
210.0	215.0	5.0	Similar above. 50-100 veins/m. Moderate sericite alteration. 112-114' strongly altered. Accessory; trace tourmaline, pyrite. Two low -angle 1cm quartz veins, with trace pyrite.
215.0	220.0	5.0	Ditto above, 528156. Medium gray, weak alteration, 30-50 veins/m, high angle. 5veins/m 1-2cm low angle quartz veins with tourmaline. Trace pyrite, chalcopryite in veins. One 4x4cm high sericite solution channel.
220.0	222.8	2.8	Feldspar-Porphyry medium grained, massive, pink (weakly hematized), fresh to weakly altered. At 221' one 3cm vein, high angle: High sericite, carbonate, 5-10% magnetite. Total pyrite 1%, mainly in 5mm quartz-pyrite-veins at 222'.
222.8	225.0	2.2	Trondhjemite, fine grained-medium grained. Feldspar, 1-10% chlorite, minor quartz. Massive, medium gray, weak sericite alteration. 5-10v/m 5mm low angle quartz veins. One 3x4cm high sericite solution channel. Trace pyrite.
225.0	230.0	5.0	Trondhjemite, ditto above. One low angle 2cm quartz vein. Trace pyrite.
230.0	235.0	5.0	Trondhjemite, ditto above. 234-235' pink feldspar -porphyry. At 231' one 5x8cm high sericite solution channel.
235.0	237.8	2.8	Trondhjemite, similar above. Almost fresh, hard, pink gray. 50-80v/m, hairline-2mm, moderate angle. Trace pyrite, oxide
237.8	240.0	2.2	Trondhjemite, ditto above. Cut by one 2cm gray quartz-carbonate-vein parallel to core axis. Bifurcating ribbon-ladder vein. Trace pyrite in halo.
240.0	243.1	3.1	Trondhjemite, ditto above. With two 2cm and 5cm high sericite solution channels attached to hairline-veins.
243.1	247.2	4.1	Trondhjemite, ditto above, but gray. Weak alteration. 30-50v/m, moderate angle.
247.2	248.2	1.0	Trondhjemite, ditto above, with 10cm crackle breccia; and one 2cm high tourmaline-quartz veins, high angle. Trace pyrite.
248.2	251.6	3.4	Trondhjemite, similar above. Pink, hard, weak hematite alteration to fresh. 50-70 veins/m, hairline to 1mm veins, high angle. 251-251.6' silicified, cherty, pink.
251.6	255.9	4.3	Trondhjemite, ditto above. At 254' 10cm portion of fine grained trondhjemite in sharp contact to medium grained feldspar porphyry. Trace pyrite, chalcopryite in hairline-veins.
255.9	281.1	25.2	Feldspar-Porphyry and Trondhjemite. Fresh and weakly altered. Boxy feldspar, 1% chlorite, minor quartz. Colour pink and pink-gray. In part weak sericite alteration (10% sericite). Low vein density.
255.9	261.0	5.1	Feldspar-Porphyry, as described above. Pink, fresh. Moderate fracturing, high angle. Trace pyrite
261.0	265.0	4.0	Trondhjemite, slightly porphyritic. Gray and slightly pink. Fresh and weak alteration. Core hard. 30-50 v/m, moderate angle. Trace oxide
265.0	270.0	5.0	Trondhjemite, ditto above.
270.0	274.5	4.5	Ditto above. At 271.5 and 273' 20cm vein breccia. Matrix : Ribbon carbonate-quartz-veins as matrix.
274.5	277.9	3.4	Feldspar-porphyry, red, hematized, hard, nearly fresh. 20-40 veins/m hairline veins. Trace oxide, pyrite.
277.9	281.1	3.2	Feldspar-porphyry, gray (weak pink) weak alteration, sericite. 50-100 veins/m: Hairline sericite joints; chlorite- carbonate quartz veins, moderate angle. Trace pyrite. Sharp gradation.
281.1	330.0	48.9	Trondhjemite/Feldspar-Porphyry. Fine grained, massive. Generally weak sericite alteration, or fresh, medium gray. Variable veining, generally 30-50v/m, hairline to 1mm. In places distinctly porphyritic.
281.1	283.2	2.1	Trondhjemite and Feldspar-porphyry. Light pink-gray, weak alteration/fresh. 50-100 veins/m: Sericite joints, carbonate veins, high-sericite halo (2cm) on 1cm quartz-tourmaline

Lithology			Description
From	To	Length	
			veins high angle. One low angle 2cm quartz (tourmaline) vein. Trace pyrite.
283.2	289.2	6.0	Ditto above, trace pyrite.
289.2	293.5	4.3	Ditto above, trace pyrite.
293.5	297.3	3.8	Ditto above. Trace pyrite, trace chalcopyrite in hairline-veins.
297.3	298.6	1.3	Ditto above. With one low angle 10TCA ribbon quartz (carbonate) vein, showing small scale reverse faulting.
298.6	300.7	2.1	Ditto above, with one 3cm high-sericite-chlorite solution channel. Trace pyrite.
300.7	302.5	1.8	Ditto above, with two 5cm low angle incipient vein breccia portions: V1, V3. Trace pyrite, molybdenite in V1??
			At 330' sharp increase of solution channels and alteration.
330.0	337.8	7.8	Feldspar-Porphyry. Light gray, moderate-strong alteration. 336-337.8' one 1-3cm quartz-tourmaline-vein, parallel TCA (0-15TCA)
337.8	350.3	12.5	Feldspar-Porphyry. Pink and green gray, weak-variously altered, weak hairline veins, trace pyrite, tourmaline.
350.3	409.2	58.9	Feldspar-Porphyry, medium grained, 1-4mm feldspar phenocrysts. Pink, fresh to weak alteration, massive. 1-5% disseminated chlorite, weak hairline to 2mm veining. Rare 5-10mm quartz-carbonate tourmaline-veins. Trace pyrite.
409.2	430.0	20.8	Trondhjemite. Pink, fine grained-medium grained, non- or slightly porphyritic, massive. Fresh-weak alteration. Weak veining. Trace pyrite, tourmaline in veins and disseminated.
430.0	448.5	18.5	Feldspar-Porphyry. Medium grained, 1-5mm feldspar phenocrysts, massive, pink to fresh/weakly altered. 1-5% disseminated chlorite/biotite. Low vein density, rare solution channels. Trace pyrite.
448.5	480.0	31.5	Trondhjemite/feldspar-Porphyry. Fine grained-medium grained, massive, pink and greenish, weak alteration (chlorite, sericite). Veining moderate -strong (hairline to 5mm veins). Trace pyrite.
480.0	519.8	39.8	Trondhjemite/Feldspar-Porphyry. Fine grained-medium grained, massive, pink to tan (hematized). Alteration weak to fresh, sericite. Veining low density. Rare 5-20mm fine grained carbonate-quartz veins low angle. Trace tourmaline, pyrite.
519.8	525.0	5.2	Trondhjemite and Feldspar-Porphyry half; and half veining 20-30cm wide, 20TCA. Fine grained carbonate-quartz-veins (V3), 3% dark gray V1 as clasts. Crackle breccia in adjacent trondhjemite. Trace tourmaline, pyrite.
525.0	555.0	30.0	Trondhjemite. Fine grained, pink-red (hematized) generally weakly altered, moderate veining; with several 1' sections of strong veining:100-200v/m v3 (carbonate-quartz), crackle breccia carbonate-quartz, minor V1. Angle of veining high to angle-low angles. Subdivisions: 525 - 533.6' Trondhjemite, moderate-strongly veined, trace pyrite. 533.6 - 540' Trondhjemite, red, low vein density. 540 - 541.0' Vein breccia. V3 carbonate-quartz, minor v1. 541 0 - 545.5' Trondhjemite, red, hematized. Low vein density. 545.5 - 548.5' Trondhjemite, tan colour, incipient vein breccia: v3, minor v1; with 10cm high chlorite-sericite-pyrite and specular hematite vein. 548.5 - 555.0' Trondhjemite, red colour and tan. Hematite and sericite alteration. Moderate-strong veining (approaching incipient vein breccia). Low angle 5-10mm carbonate veins; low angle V1-V3 stockwork. Accessory tourmaline, pyrite.
555.0	566.5	11.5	Trondhjemite. Fine grained, massive, red colour, hematite alteration. Low-moderate vein density, random orientation, stockwork: Hairline to 5mm carbonate-quartz, V3, V4 quartz veins. Accessory pyrite, tourmaline. Weak sericite alteration and sericite joints.
566.5	573.4	6.9	Trondhjemite/Incipient Vein Breccia. Colour tan, gray. Strong veining, stockwork, carbonate-quartz, V3, minor V1, 1-3% pyrite disseminated and cm-size high-pyrite. (V2?) patches in carbonate-quartz veins.
573.4	597.8	24.4	Trondhjemite. Red, hematized, weak sericite alteration. Weak to moderate veining 5% low angle V3 fine grained carbonate-quartz-veins, 1-3cm. Trace pyrite.
597.8	607.3	9.5	Trondhjemite. Fine grained, massive, colour medium gray. Alteration: moderate-strong sericite. Moderate vein density. Accessory: tourmaline, pyrite.
607.3	609.8	2.5	Vein-Breccia. Orientation 60TCA. Made up of mainly V3 , minor V1, V2. Total 2% pyrite, trace tourmaline.
609.8	632.2	22.4	Trondhjemite. Fine grained massive, red hematite alteration. Moderate vein density (100-200 veins/m), in part stockwork, low angle to high angle, hairline to 3cm. Alteration: weak hematite,

Lithology			Description
From	To	Length	
			sericite. Accessory pyrite, tourmaline.
632.2	653.8	21.6	Incipient Vein Breccia. Trondhjemite, fine grained, massive red, hematized. Permeated, at 5-30cm intervals, by low angle 20%, 2-10cm wide complex veins: Minor V1 (black, cherty), V2 (high pyrite, tourmaline), V3 (carbonate-quartz). Total pyrite 2-3%, as mm to 10 mm patches and stringers.
636.8	637.7	0.9	Incipient vein breccia. Low angle (10-20TCA) 2-3cm vein with 5% pyrite. Ladder carbonate-quartz veins. ~5% each V1 (cherty, black) and V2 (pyrite, tourmaline).
637.7	639.6	1.9	Trondhjemite, red-hematized, with 10% low angle ladder veins, carbonate-quartz, trace pyrite, tourmaline.
639.6	641.9	2.3	Trondhjemite, incipient vein breccia, red hematized; weak-moderate sericite alteration. 2-5% mm low angle carbonate-quartz-veins, dark gray quartz veins. 1% solution channels (high sericite). Trace tourmaline, pyrite.
641.9	643.3	1.4	Incipient vein breccia. Trondhjemite with 20-30% 2-3cm low angle, complex veins: Carbonate-quartz ladder veins, ~10% medium gray cherty quartz veins, 5% V2 veins with high pyrite. Total pyrite 5%, chalcopyrite 0.5%.
643.3	645.0	1.7	Incipient vein breccia ditto 528231. 50% veining, 5% pyrite, 1% tourmaline.
645.0	646.6	1.6	Incipient vein breccia, similar above, 10% veins. Mainly trondhjemite, red, hematized, weak-moderate veining.
646.6	648.7	2.1	Incipient vein breccia ditto above. Hematized trondhjemite with 20% 2-3cm low angle veins; V3, V1. Trace pyrite.
648.7	651.0	2.3	Incipient vein breccia, ditto above. Weak veining 1-3%, disseminated 0.5% pyrite.
651.0	652.6	1.6	Incipient vein breccia, ditto above, but with more low angle 2-3cm wide V3 veins. Trace disseminated pyrite, tourmaline.
652.6	653.8	1.2	Incipient vein breccia, ditto above. Moderate-strong veining: 100-200 veins/m, 1-5mm carbonate-quartz-veins, moderate angle, moderate sericite-carbonate alteration. Accessory pyrite, tourmaline.
653.8	686.3	32.5	Vein-Breccia. Grading from incipient vein breccia, over 1-2cm. Generally weak low angle fabric, i.e. vein orientation. Most Vein-breccia consists of 10-20% mm-cm clasts of dark dark gray/black V1, in light gray matrix of V3 veins (carbonate-quartz fine grained), and minor V4 quartz veins, trace V2 (pyrite, tourmaline). Overall pyrite abundance 0.5-1%, disseminated.
653.8	655.0	1.2	Vein-breccia. ~30% relict pink trondhjemite clasts. Fabric high angle to core axis. Strong sericite alteration. 1% disseminated tourmaline.
655.0	658.0	3.0	Incipient vein breccia. ~ 3/4 of sample is incipient vein breccia, 1/4 is vein-breccia. Low angle fabric. Trace pyrite.
658.0	660.6	2.6	Vein-Breccia, gray, ~10-20% V1 clasts in V3 matrix.
660.6	662.8	2.2	Vein-Breccia, ditto above, 528240, and as described for the unit.
662.8	664.1	1.3	Vein-Breccia, ditto above. VG at 663.5' in 10mm gray quartz vein. Total pyrite 1%.
664.1	665.9	1.8	Vein-Breccia, ditto. ~5-10% V1 clasts, 80% V3; 10-20% V4, gray quartz veins. Pyrite 0.5%, tourmaline 0.5% as stringers.
665.9	668.4	2.5	Vein-Breccia, ditto above. 10-20% V1 clasts in matrix of V3, minor V4. Pyrite 0.5-1%.
668.4	671.1	2.7	Vein-Breccia, ditto. 10-20% V1 clasts. VG at 668.6' in V1 clasts: VG one grain, ~100 microns, 4 grains ~20 microns each. Total pyrite ~1%
671.1	675.0	3.9	Vein-Breccia, ditto 40-50% black V1 clasts. 1% pyrite. "Water seam", 1-2", at 673.2'
675.0	678.2	3.2	Vein-Breccia, ditto above. 10-20% V1 clasts, trace pyrite.
678.2	682.0	3.8	Vein-Breccia, ditto above. 20-30% V1 clasts. Low angle orientation of ribbon and ladder carbonate-quartz-veins. (V3 and V4). Pyrite trace-0.5%.
682.0	684.6	2.6	Vein-breccia, ditto above. 20-30% V1 clasts.
684.6	686.3	1.7	Vein-Breccia, ditto above. Sharp gradation to banded, incipient vein breccia with high sericite abundance. V1 clasts 5%. Fabric of high sericite bands parallel to quartz veins ~60TCA.
686.3	688.5	2.2	Incipient Vein Breccia. Arkose, sediment. Fine grained, gray, strongly sericitized, moderate-strongly veined, moderate angle: 100-200 veins/m, 1-5mm carbonate-quartz veins. Distinct fabric of high sericite stringers 50-60TCA. Accessory: 0.5% each tourmaline, pyrite, chalcopyrite in quartz veins. Sericite generally 30-40%.
688.5	692.0	3.5	Arkose. In part pebbly, fine grained massive. Colour reddish and green. Veining and alteration decreasing down hole. High abundance of 0.5 mm quartz and minor feldspar grains in ~20-30% sericite matrix. Alteration: hematite and sericite, moderate-strong. Veining medium: 50-100 veins/m, moderate angle, high angle. At 690ft, a 20cm portion with 30% greenish high-sericite-chlorite stringers and 3% 1mm pyrite cubes; also 20% cm wide fine grained V3.

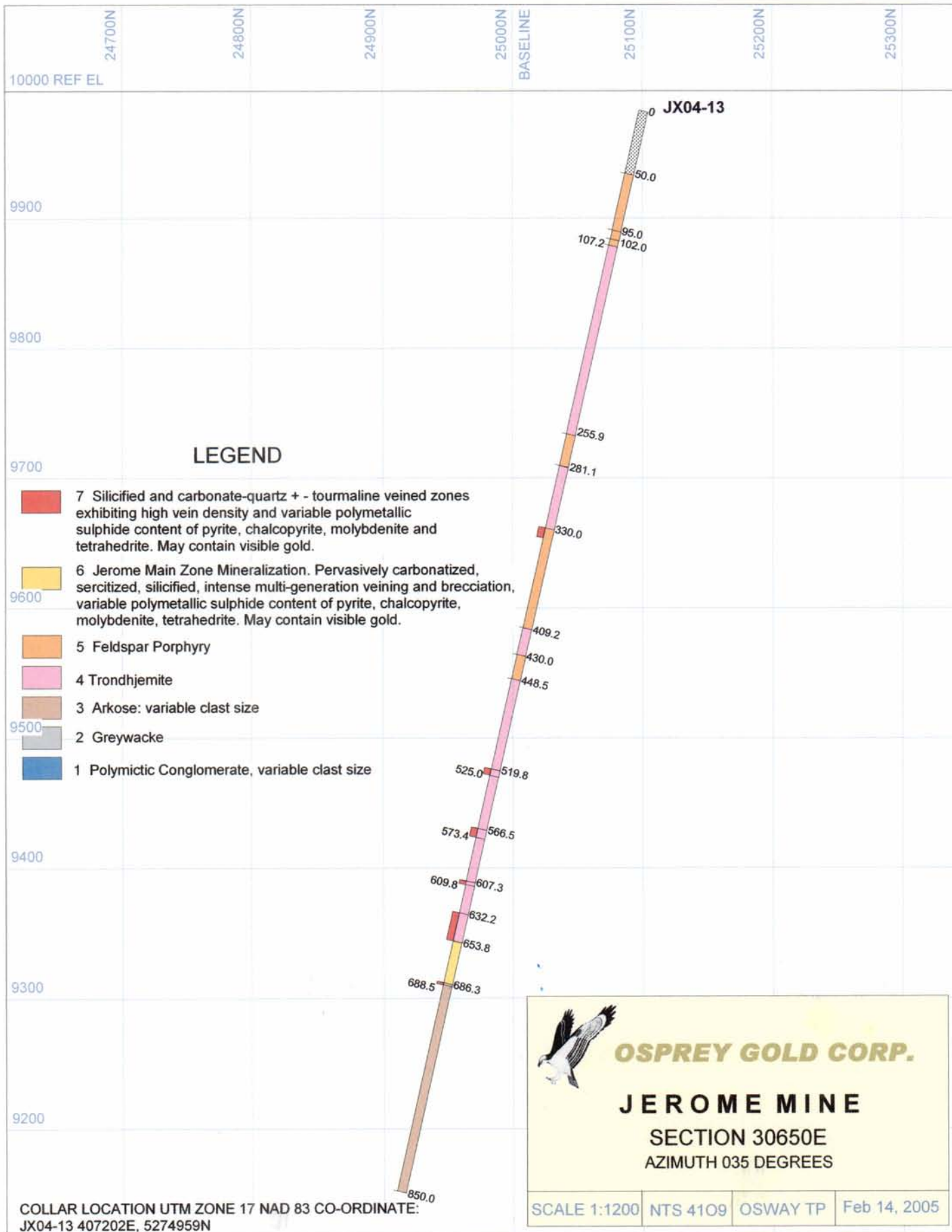
Lithology			Description
From	To	Length	
692.0	726.8	34.8	Arkose , similar above, in part cm size pebbles. Moderate sericite alteration. Colour mostly light-medium green gray, veining generally weak, 50-100v/m, low angle to high angle. 702-703' carbonate-quartz-veins, ribbon and ladder, 60 degrees TCA. 710-712ft pebbly, heterolithic. Generally 0.5% pyrite, as scattered 1-2mm cubes. 715-726.8ft, medium dark gray, chloritic alteration with 1% disseminated pyrite. Sharp gradation to following.
692	695	3.0	Arkose, as described above .
695	700	5.0	Arkose, as described above .
726.8	758.9	32.1	Arkose . Pebbly. Alteration weak to moderate, colour red, hematized, weak sericite alteration. Variable veining: Generally lower vein density 50-100 veins/m, hairline to 10mm carbonate-quartz veins, sericite joints moderate angle-high angle. Minor low angle 5-10mm carbonate-quartz veins, quartz (carbonate) tourmaline) veins. Trace pyrite in veins and disseminated.
758.9	776.5	17.6	Arkose ? Fine grained, colour light gray. Fine grained quartz grains in sericite matrix. Alteration: medium-strong, sericite (carbonate), trace fuchsite. Veining variable, generally strong, in part crackle breccia, 100-200 veins/m, high angle, moderate angle, carbonate (quartz)-veins. Arkose, as described above . 758.9 - 759.5' 5% tourmaline as stringers
776.5	790.0	13.5	Arkose . Fine grained, red hematite. Alteration weak: hematite, sericite, veining: variable, 50-100 veins/m, 1-5mm carbonate quartz, rare quartz tourmaline veins, moderate angle. 1-2% mm-cm high sericite solution channels. Accessory: pyrite variable abundance, trace to 2% disseminated in veins. Trace chalcopyrite as rare 1mm grains in quartz-tourmaline veins.
790.0	811.0	21.0	Arkose . Fine grained, colour medium gray-pink. Alteration weak: Sericite, hematite. Low vein density 20-50 veins/m, moderate angle. Trace pyrite, tourmaline, chalcopyrite.
811.0	816.1	5.1	Arkose , light gray, moderate-strong sericite-alteration and veining. 100-200 veins/m. Trace pyrite.
816.1	850.0	33.9	Arkose . Medium gray colour. Alteration weak: Sericite, carbonate, locally weak hematization. Veining low density, 20-100 veins/m, moderate angle. Rare (1-2veins/m), 10-20mm quartz-carbonate veins, low angle. Trace pyrite disseminated and in veins.
	850.0		End of Hole



OSPREY GOLD CORP
 LOCATION PLAN DDH JX04-13
 MINE GRID AT AZIMUTH 035 DEG
 UTM GRID ZONE 17 NAD 83
 SCALE: 1:2400



W. Smith



Diamond Drill Log					OSPREY GOLD CORP	
Hole ID: JX04-15		Project: Jerome Mine		Township: Osway		Claim:
Started: July 21, 2004		UTM Zone: 17		Easting: 407143		Mine Easting: 30800
Completed: July 23, 2004		Datum: NAD 83		Northing: 5274804		Grid Northing: 24800
Core Size: BQ		Casing removed: No		Dip: -45	Azimuth: 034	
Dip Tests	Footage	5	375	750	Length: 750 feet	
	Angle	46	49	49	Core Units: Imperial	
Topo Elevation: 1308 feet		Mine Elevation: 9988 feet		Mining Division: Porcupine		Signed
Drilled by: Ron Kor Diamond Drilling, Sudbury, ON						
Objective: Untested ore zone block.						

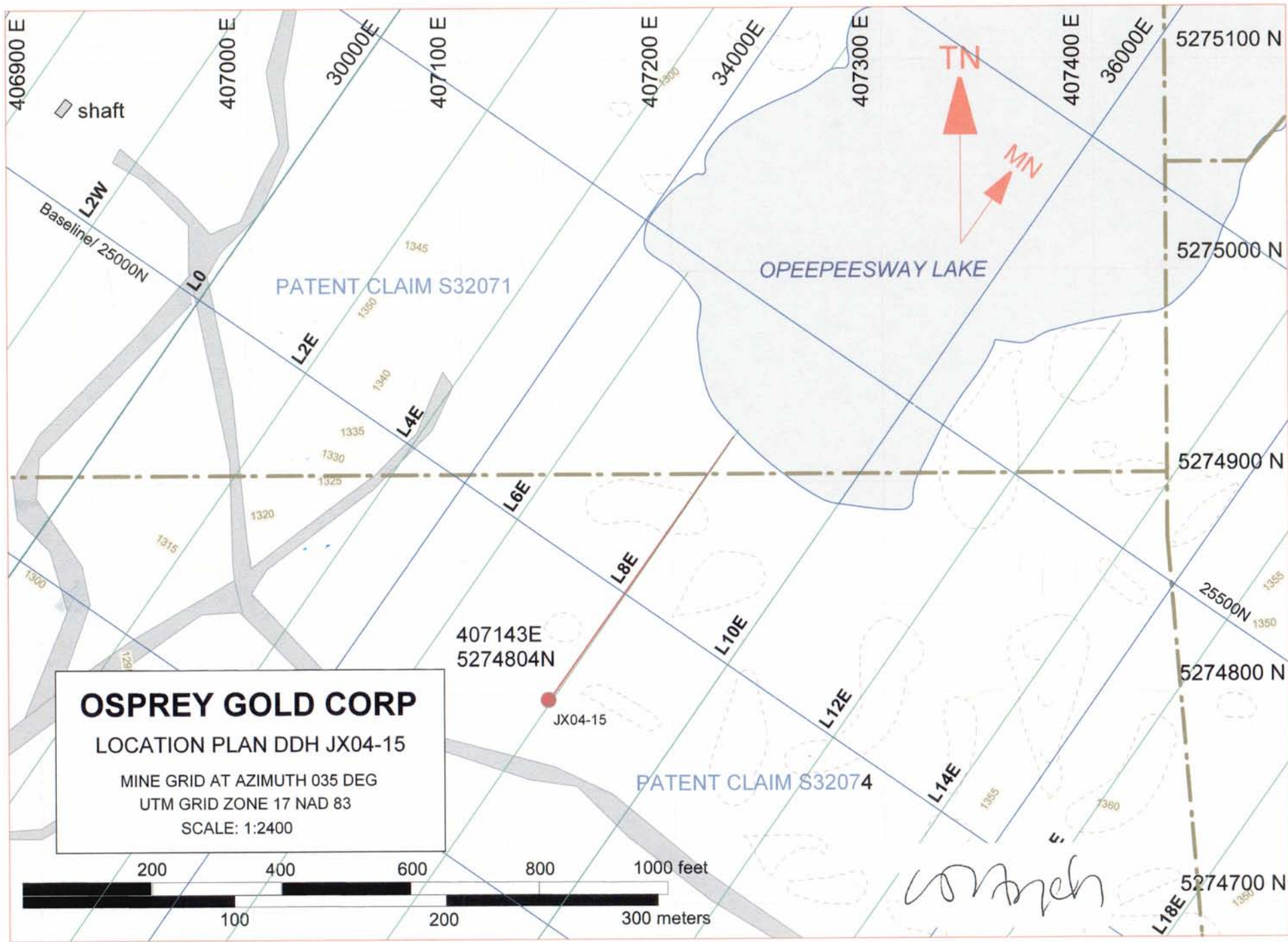
Lithology			Description
From	To	Length	
			Note: major units in bold type, minor units in regular type.
0.0	5.0	5.0	Overburden
5.0	12.3	7.3	Altered Feldspar Porphyry - South Zone Silicified and sericitized. Three separate 5-40cm V1 vein systems cross-cut and brecciated by V3 carbonate veining. V1 are at a medium-high angle to core axis. High V3 vein density of 400vm. Silicified portions contain 5-7% fine grain disseminated pyrite. At 8.6 40cm of V1 veining with scattered 10-100 micron gold grains (VG), with one 10cm section containing up to 50 grains.
12.3	20.6	8.3	Feldspar Porphyry / Trondhjemite Medium grey, fine grain, 10% femags. Weak high angle fabric defined by femag alignment. Predominantly high angle 3-10mm carbonate-quartz veins, minor grey quartz veins, 30vm.
20.6	61.2	40.6	Feldspar Porphyry Pink with coarse feldspar phenocrysts. Weak-moderate pervasive hematization. Upper 40cm high sericite with 1% fine grain disseminated pyrite and 1/2% fine grain chalcopryrite. Silicified and quartz-carbonate veined. High angle fabric. Predominantly medium-high angle, 2-30mm, carbonate-quartz veins, 30vm.
30.0	33.7	3.7	Occasional cm sericite solution channel and veinlets with fine grain disseminated chalcopryrite up to 1/2% over cm lengths associated with a weak crackle breccia. At 33.5, 3cm grey quartz-carbonate vein.
36.7	37.3	0.6	Weak V1 vein breccia with high V3 content at high angle to core axis.
50.6	51.9	1.3	White quartz vein.
61.2	65.5	4.3	V1 vein breccia dominated by V3. V1 occurs in 3-10cm sections containing several grains of gold (VG), 10-30 micron.
65.5	78.0	12.5	Trondhjemite / Feldspar Porphyry Medium grey with 10-15% femags. High sericite content with occasional cm sericite solution channels containing trace-1/2% tourmaline. Trace fine grain disseminated pyrite. Dominantly medium-high angle carbonate +/- quartz veins, 40vm.
71.6	73.6	2.0	Very low angle quartz-tourmaline-carbonate vein, intermittently cut along core length with one 3x15mm mass of chalcopryrite.
78.0	215.3	137.3	Variably Altered Feldspar Porphyry Pale grey-brown, fine grain with distinct feldspar phenocrysts. Intermittent meter sections of weak pervasive hematization. 3% disseminated oxide. Generally massive with cm sections of crackle breccia containing sericite solution channels and veinlets.
80.0	81.3	1.3	2.5cm quartz-tourmaline-carbonate vein with a 5x12mm mass of chalcopryrite at low angle to core axis.
	88.3		20cm section with 3% clustered tourmaline.
95.4	96.2	0.8	Low angle 1cm crystal quartz-tourmaline-carbonate vein.
104.0	148.8	44.8	Moderate-strong pervasive sericitization.
	113.5		1cm low angle crystal quartz-tourmaline vein.
	123.7		High angle bifurcating, 3-10mm quartz-tourmaline-carbonate vein with 3% semi-massive chalcopryrite, 1/2% coarse grain pyrite.
125.0	126.2	1.2	Low angle 1cm quartz-tourmaline vein with satellite veinlets radiating outwards.

Lithology			Description
From	To	Length	
			Rare stringer 2mm chalcopyrite veinlets associated with minor crack-seal quartz veins at high angle to core axis.
128.5	129.5	1.0	Carbonate breccia vein with minor crack-seal quartz at high angle to core axis.
139.3	141.5	2.2	Low angle 1-2cm quartz-tourmaline-carbonate vein.
148.8	160.4		Moderate pervasive hematization, occasional 1/2-1cm sericite solution channel.
	158.4		3cm high angle carbonate-quartz-tourmaline vein.
	160.4		Sharp high angle sericite alteration front.
	161.3		13cm high angle carbonate-quartz vein with possibly weak V1 vein development.
	163.7		6cm carbonate vein breccia with a 3mm quartz core and minor tourmaline satellite veinlets, at high angle to core axis.
	180.0		Low angle 5mm quartz-tourmaline vein.
	187.7		6cm medium angle tourmaline-quartz vein with a 5x15mm mass of pyrite. 70% of vein is tourmaline.
190.5	191.9	1.4	Weak carbonate-quartz vein breccia at medium angle to core axis.
	195.0		3mm low angle quartz-tourmaline vein with 1% chalcopyrite. This vein appears to meander along a 4-foot core length to 199.0.
	200.0		3cm medium angle crack-seal carbonate-quartz vein.
201.8	203.5	1.7	White, soft, high clay content, intense hydrothermal alteration channel. Sharp contacts at medium angle to core axis.
	205.2		4cm high angle blue-grey quartz vein cross-cut by cm spaced 1-2mm carbonate veinlets.
	206.0		15cm weak V1 vein breccia developed. High carbonate V3 phase. High angle to core axis.
	209.3		1-10mm multi-branching, low-high angle quartz tourmaline vein with trace pyrite.
	210.9		10cm weak V1 vein breccia. High V3 carbonate phase. Similar to vein at 206.
215.3	227.0	11.7	Feldspar Porphyry
215.3	220.0	4.7	Predominantly unaltered with minor sections of weak sericitization. 10% femags.
220.0	224.5	4.5	Fine grain, massive, light grey-brown. Weak pervasive sericitization. Trace oxide, tourmaline, rare pyrite.
224.5	227.0	2.5	Medium grain. 10% femags. Weak patchy sericitization.
227.0	396.3	169.3	Variably Altered Feldspar Porphyry
			Weak to moderate sericitization. Generally fine grain with occasional 1/2 meter sections of medium grain size feldspars.
	232.5		3mm low angle quartz-tourmaline vein with 1% fine-coarse grain pyrite.
237.7	241.5		Strong sericitization. 4cm section grey silicification. 30cm section with high angle 1-15mm carbonate-quartz veining forming a subparallel set of 10 veins with trace pyrite and tourmaline.
242.5	243.3	0.8	Weak carbonate-quartz vein breccia.
	248.5		2cm medium angle band displaying wispy sericite and chlorite, possibly flow modified.
	258.7		5cm medium angle crack-seal carbonate-quartz vein.
	259.5		1.0-1.5cm, four medium angle grey quartz veins with trace tourmaline.
	264.2		Two 0.5-1.2cm, high angle quartz-carbonate-tourmaline veins with trace pyrite.
270.5	271.6	1.1	Strong sericitization envelope associated with a medium angle 15cm crack-seal carbonate-quartz vein and two subparallel 1cm grey quartz veins within a zone of randomly oriented hairline-2mm carbonate veinlets.
273.5	275.0	1.5	Moderate sericitization associated with three subparallel 1-10cm carbonate-quartz veins. 1% pyrite associated with alteration envelope.
	276.0		10cm high angle crack-seal carbonate-quartz vein.
276.0	293.0	17.0	Moderate pervasive sericitization with trace oxide, tourmaline and pyrite.
	280.6		1cm low angle quartz-tourmaline vein with a 3x5mm mass of chalcopyrite.
	284.9		2cm high angle quartz-tourmaline vein with trace chalcopyrite.
293.0	298.2	5.2	Weak sericitization, 10% femags.
	297.2		2cm high angle quartz-tourmaline vein.
298.2	299.0	0.8	Moderate sericitization.
	301.7		5cm high angle grey-white quartz vein with several 3-5mm subparallel satellite

Lithology			Description
From	To	Length	
301.9	303.5	1.6	veins. Moderate-strong carbonatization-sericitization associated with a low angle 3cm high sericite band containing 1% tourmaline, adjacent to a 2cm subparallel grey-white quartz vein. All cross-cut by randomly oriented network of hairline carbonate veinlets.
308.0	309.9	1.9	Strong sericitization-carbonatization. Carbonate vein breccia with minor grey quartz, and weak fuchsite staining.
	311.0		Cm size sericite-tourmaline solution channel.
320.2	321.6	1.4	Moderate pervasive sericitization-carbonatization associated with 3-10mm high angle carbonate-quartz veins, 30µm.
321.6	330.0	8.4	Relatively unaltered.
330.0	331.6	1.6	Weak-moderate sericitization envelope associated with a 5cm high angle white quartz vein.
	340.7		2-3cm high angle band of high sericite with 1% tourmaline associated with a 5mm white-grey quartz vein
340.7	362.7	22.0	Moderate pervasive sericitization-carbonatization, rare chalcopyrite, trace pyrite and tourmaline. Low vein density.
	344.2		5cm medium angle crack-seal carbonate-quartz vein.
	345.0		5cm high angle high sericite solution channel.
	345.8		1cm carbonate vein brecciating host rock and incorporating inclusions within the vein. 3% pyrite dispersion associated with the vein.
	351.2		2cm sericite-tourmaline solution channel.
	362.4		1x3cm sericite solution channel with weak hematization.
362.7	370.0	7.3	Massive, moderate pervasive hematization. 1% oxide. Patchy 1/2cm sericite-tourmaline solution channels.
370.0	381.0	11.0	Massive, fine grain with occasional coarse feldspar phenocryst. Moderate pervasive carbonatization-sericitization. Low vein density.
381.0	391.8	10.8	Weak-moderate pervasive carbonatization-sericitization. Increase in vein density to 50µm. Dominated by medium angle subparallel 1-5mm carbonate-quartz veins.
384.7	386.2	1.5	4cm low angle grey quartz vein.
391.8	396.3	4.5	Moderate pervasive hematization, 3% oxide, trace chalcopyrite and pyrite. Occasional 1/2cm sericite-tourmaline solution channel.
396.3	520.0	123.7	Altered Feldspar Porphyry / Trondhjemite Pale grey-yellow. Moderate-strong sericitization-carbonatization completely obliterating protolith in sections. Rare fuchsite staining. Overall 1/2% tourmaline especially associated with high sericite. Predominantly 1-5mm medium-high angle carbonate-quartz veins, 50µm.
	399.4		5cm medium angle quartz-carbonate-tourmaline vein with trace mm chalcopyrite grains.
	404.7		6cm high angle grey quartz vein.
413.0	415.0	2.0	High sericite, low angle fabric. Minor autobrecciated quartz vein.
418.0	420.0	2.0	Multiple randomly oriented low angle 1cm quartz-tourmaline carbonate veins. Minor mm masses of chalcopyrite. High sericite with weak low angle fabric, trace pyrite.
424.4	425.0	0.6	Multiple vein set of 5-30mm crack-seal carbonate-quartz veins at high angle to core axis.
429.5	430.0	0.5	Intense carbonatization-sericitization with a high angle flow fabric and autobrecciated quartz vein material.
435.0	439.0	4.0	Weak pervasive hematization.
439.0	469.0	30.0	Weak pervasive carbonatization-sericitization. Predominantly massive, locally weak high angle fabric displaying alignment of feldspar phenocrysts. Possibly flow related. Low vein density.
469.0	483.9	14.9	Strong pervasive carbonatization-sericitization, averaging 1% disseminated tourmaline with mm concentrations of 10%. Rare fuchsite staining, trace pyrite. Randomly oriented 1-5mm carbonate +/- quartz veins, 60µm.
483.9	497.0	13.1	Very intense carbonatization-sericitization with random network of carbonate veins, of V3-type, 400µm. Local cm wide vein breccia concentrations of V1 veining. Strong

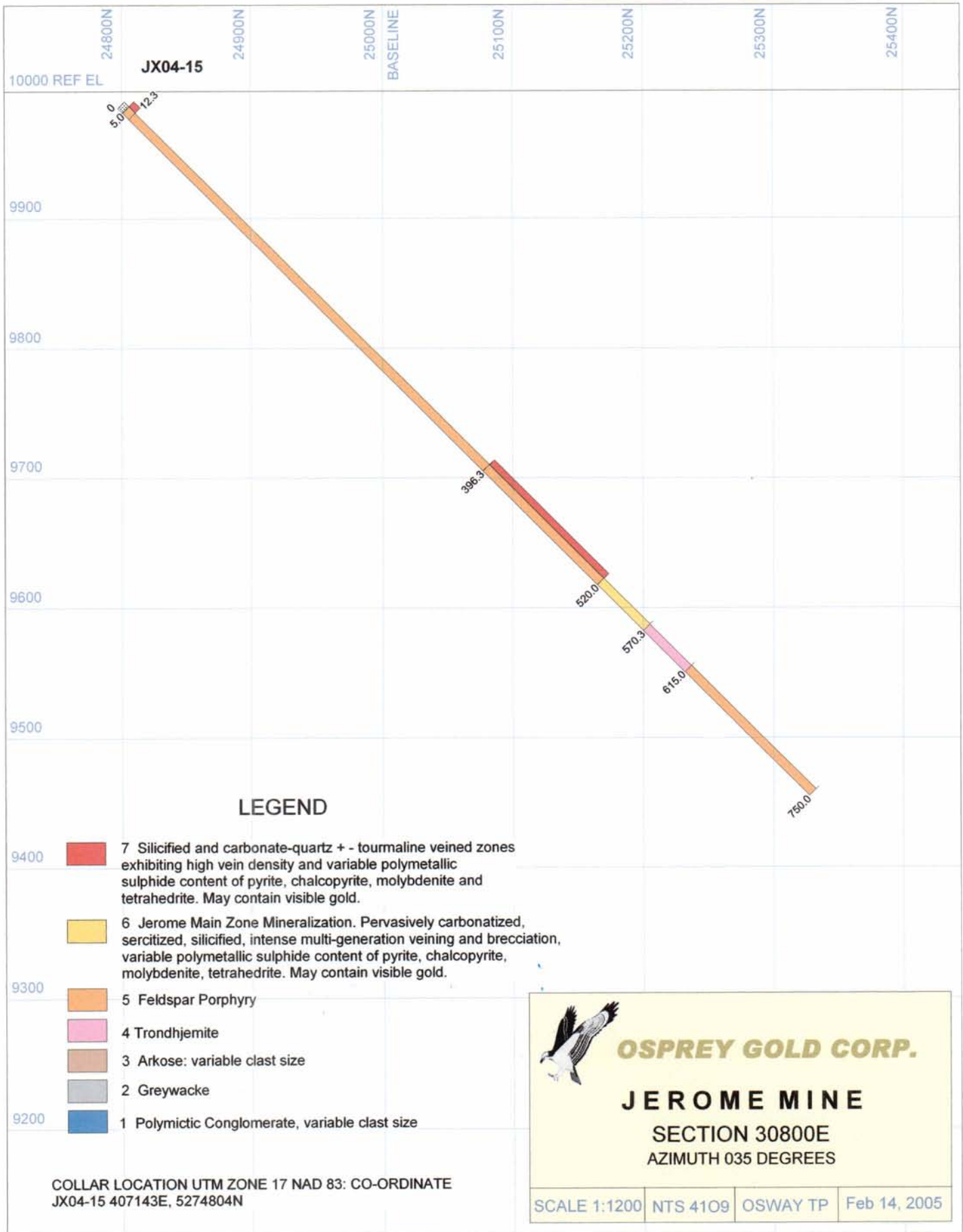
Lithology			Description
From	To	Length	
			high angle flow fabric. Trace pyrite and tourmaline.
	496.0		1cm high angle quartz-tourmaline vein with 3% pyrite.
	496.3		1cm high angle grey quartz vein, possible V1-type.
497.0	499.0	2.0	Moderate carbonatization-sericitization and low vein density.
499.0	510.9	11.9	Strong pervasive carbonatization-sericitization with a high flow fabric. Minor quartz vein breccia, 100vm. Averaging 1% tourmaline.
504.5	505.5	1.0	10% tourmaline, rare fuchsite staining.
510.9	516.6	5.7	Massive with trace pyrite.
516.6	520.0	3.4	Moderate carbonatization and sericitization. Fine grain. Low vein density.
520.0	570.3	50.3	Vein Breccia - Jerome Main Zone
520.0	525.0	5.0	Fine grain, medium grey, equigranular, 5-10% chlorite. Weak-moderate sericitization. Low vein density, 30-50vm, at low-moderate angle. Trace disseminated chalcopyrite and pyrite in V1 veining. Rare 1-2cm grey quartz gash veins.
525.0	529.0	4.0	Similar to above; weak fabric at 50-degrees to core axis. Hairline-1mm carbonate 5-10mm grey quartz and grey quartz carbonate veins, 30-50vm. One 10-20mm pink carbonate gash vein.
529.0	532.4	3.4	Similar to above; weak sericite, chlorite alteration. Weak hematization. One 15-20cm low angle ribbon ladder vein. V3 carbonate-quartz veins with trace pyrite, 30-50vm. 1cm high angle ladder ribbon carbonate-quartz vein. Trace-1/2% clustered and disseminated pyrite.
532.4	534.6	2.2	Similar to above; vein density of 50-100vm. Predominantly 1-5mm carbonate and quartz-carbonate veins with random crackle breccia. Two 1cm ribbon-ladder carbonate-quartz veins at high angle. 1/2-1% disseminated and clustered pyrite.
534.6	536.9	2.3	Vein breccia, light grey, minor dark grey sections. Weak 60-70-degree fabric. Predominantly fine grain V3-type carbonate veins. 5% dark grey carbonate veins bands and clasts. 5% cross-cutting mm grey V4 quartz veins. Trace pyrite as mm stringers in V3 matrix. Sharp 60-degree contact of host rock with vein breccia, marked by 3cm of strong sericite. Accessory tourmaline.
536.9	538.7	1.8	Fine grain, light green-grey. Moderate sericite-carbonate alteration. Predominantly moderate angle hairline-1mm carbonate veins, minor 2cm high angle ribbon-ladder carbonate-quartz veins, 50-100vm. Accessories include; 1/2% disseminated pyrite, trace-1/2% disseminated and vein related tourmaline, and vein associated tetrahedrite.
538.7	540.5	1.8	Incipient vein breccia. Moderate-strong silicification and sericitization, permeated by 50% of 1-15cm ribbon-ladder carbonate-quartz veins at 60-degrees to core axis. 5-10% dark grey V1 veining with trace molybdenite. 10-20% mm carbonate and quartz vein stockwork. 5% 1cm grey quartz veins - V4. Trace pyrite and molybdenite in V1 veins.
540.5	542.6	2.1	Incipient vein breccia. Similar to above. 50% is strong dark grey colour. 10-20% mm-cm V1 veining, 20-30% V3 stockwork veining, 5% late grey V4 quartz veins. Trace molybdenite in veins. Overall 1/2% pyrite.
542.6	545.0	2.4	Incipient vein breccia. Hard, light green-grey. Fine grain. Strongly silicified, carbonatized and sericitized. Permeated by V3 stockwork veining, 200-400vm. 5% V1 breccia clasts. Accessories include trace fuchsite and pyrite, 1% tourmaline.
545.0	547.7	2.7	Vein breccia. Grading from above. 50-60-degree fabric. 50% wall rock clasts. 10% V1 vein clasts. 2-5% V2 high pyrite-tourmaline clasts and stringers. 1-2% pyrite.
547.7	549.9	2.2	Vein breccia. Weak 60-degree fabric. 60% V3 matrix. 10% V1 clasts. 30% host rock clasts. Accessories; 1/2% disseminated pyrite and tourmaline.
549.9	551.3	1.4	Vein breccia. 50-60-degree fabric. Dark grey. 40-50% V1 bands and clasts. 20% host rock clasts. 30-40% V3 matrix. Accessories; 1/2% tourmaline and pyrite, trace molybdenite and tetrahedrite, vein associated.
551.3	555.0	3.7	Incipient vein breccia. Strong silicification and sericitization. Moderate-strongly veined, 50-100vm. Moderate angle quartz-carbonate crackle breccia. 5% V3 oriented, mm-cm low angle veining. 2% 1cm high sericite-tourmaline solution channels. 5cm high tourmaline clusters. Accessories; trace fuchsite, pyrite, and

Lithology			Description
From	To	Length	
555.0	560.2	5.2	vein related tetrahedrite, 1/2-1% tourmaline. Incipient vein breccia. Similar to above. Two 1cm medium dark grey quartz-carbonate veins, V1-type?, 5% V3 veining. Accessories; trace fuchsite, pyrite and tetrahedrite vein related, 1/2% tourmaline in cm clusters.
560.2	562.5	2.3	Incipient vein breccia. Similar to above. V3 veining forming crackle breccia, randomly oriented, 100-200µm. Trace tourmaline and pyrite.
562.5	564.0	1.5	Incipient vein breccia. Similar to above. V3 crackle breccia. 1-25% disseminated tourmaline. Trace pyrite. One 3mm low angle quartz-tourmaline-pyrite vein.
564.0	570.3	6.3	Strong carbonatization and sericitization. 1% disseminated tourmaline. Low vein density. Rare fine grain pyrite. Note: Vein breccia section description by Peter Fischer.
570.3	615.0	44.7	Trondhjemite Variable weak-moderate hematite alteration. 10-15% femags. Randomly oriented wispy and discontinuous hairline-1mm carbonate +- quartz veinlets, 100µm. In places form cm sections of crackle breccia.
595.9	596.9	1.0	Intense hematization and weak crackle breccia resulting from carbonate-biotite-quartz veining.
	598.7		Low angle quartz-tourmaline carbonate vein.
600.9	602.2	1.3	Intense hematization associated with carbonate-biotite-quartz veining and open space filling. Coarse magnetite in veining.
615.0	750.0	135.0	Feldspar Porphyry
615.0	629.5	14.5	Coarse grain with 1/2cm feldspar phenocrysts. 10-15% femags, 1-3% oxide. Weak high angle fabric. Moderate pervasive hematization. Rare 1/2cm sericite-tourmaline solution channels.
629.5	638.9	9.4	Fine grain, lacking femags, massive. Moderate pervasive hematization.
638.9	650.0	11.1	Coarse grain with 1/2cm feldspar phenocrysts. 10-15% femags, 1-3% oxide. Weak high angle fabric. Moderate pervasive hematization. Rare 1/2cm sericite-tourmaline solution channels.
650.0	683.4	33.4	Fine-medium grain. Massive. Strong hematization. Low in femags. Trace fine grain pyrite. Occasional mm-cm sericite +- tourmaline solution channel. Hairline-2mm chlorite-carbonate veins, 30µm. At 682.3 3cm medium angle quartz-tourmaline vein.
683.4	700.0	16.6	Medium-coarse grain. Strong hematization. Randomly oriented hairline chlorite +- carbonate veinlets, locally forming cm incipient breccia. Minor cm sericite-tourmaline solution channels.
689.0	690.0	1.0	Multiple high angle faults with chloritic slickensides, gouge and minor breccia.
	695.5		3mm low angle quartz-tourmaline-carbonate vein.
700.0	707.2	7.2	Fine grain phase. Weak hematization. Massive. Rare cm sericite-tourmaline solution channels locally concentrated to form an incipient breccia.
707.2	725.3	18.1	Medium-coarse grain. Higher femag content (10-15%) associated with coarse grain phase. Moderate hematization.
	709.3		5cm high angle grey quartz-carbonate vein breccia with dusty grey mineralization, (molybdenite), carbonate tends to be concentrated on the as a 1cm band on the down-hole side. 3% disseminated pyrite.
725.3	750.0	24.7	Predominantly fine grain facies, massive. Occasional sericite-tourmaline solution channel and vein. Rare low angle 3mm quartz-tourmaline veins. Hematization decreasing to end of hole.
	750.0		End of hole.



OSPREY GOLD CORP
LOCATION PLAN DDH JX04-15
MINE GRID AT AZIMUTH 035 DEG
UTM GRID ZONE 17 NAD 83
SCALE: 1:2400





Diamond Drill Log				OSPREY GOLD CORP			
Hole ID: JX04-20		Project: Jerome Mine		Township: Osway		Claim: S32071	
Started: Sept. 14, 2004		UTM Zone: 17		Easting: 407028		Mine Easting: 30250	
Completed: Sept. 16, 2004		Datum: NAD 83		Northing: 5274926		Grid Northing: 24920	
Core Size: BQ		Casing removed: No		Dip: -45		Azimuth: 034	
Dip Tests		Footage		Length: 600 feet		Field Easting: 250	
		Angle		Core Units: Imperial		Grid Northing: -80	
Topo Elevation: 1332 feet		Mine Elevation: 10012 feet		Mining Division: Porcupine		Signed	
Drilled by: Ron Kor Diamond Drilling, Sudbury, ON							
Objective: Test ore zone 50 feet east of 300L stope.							

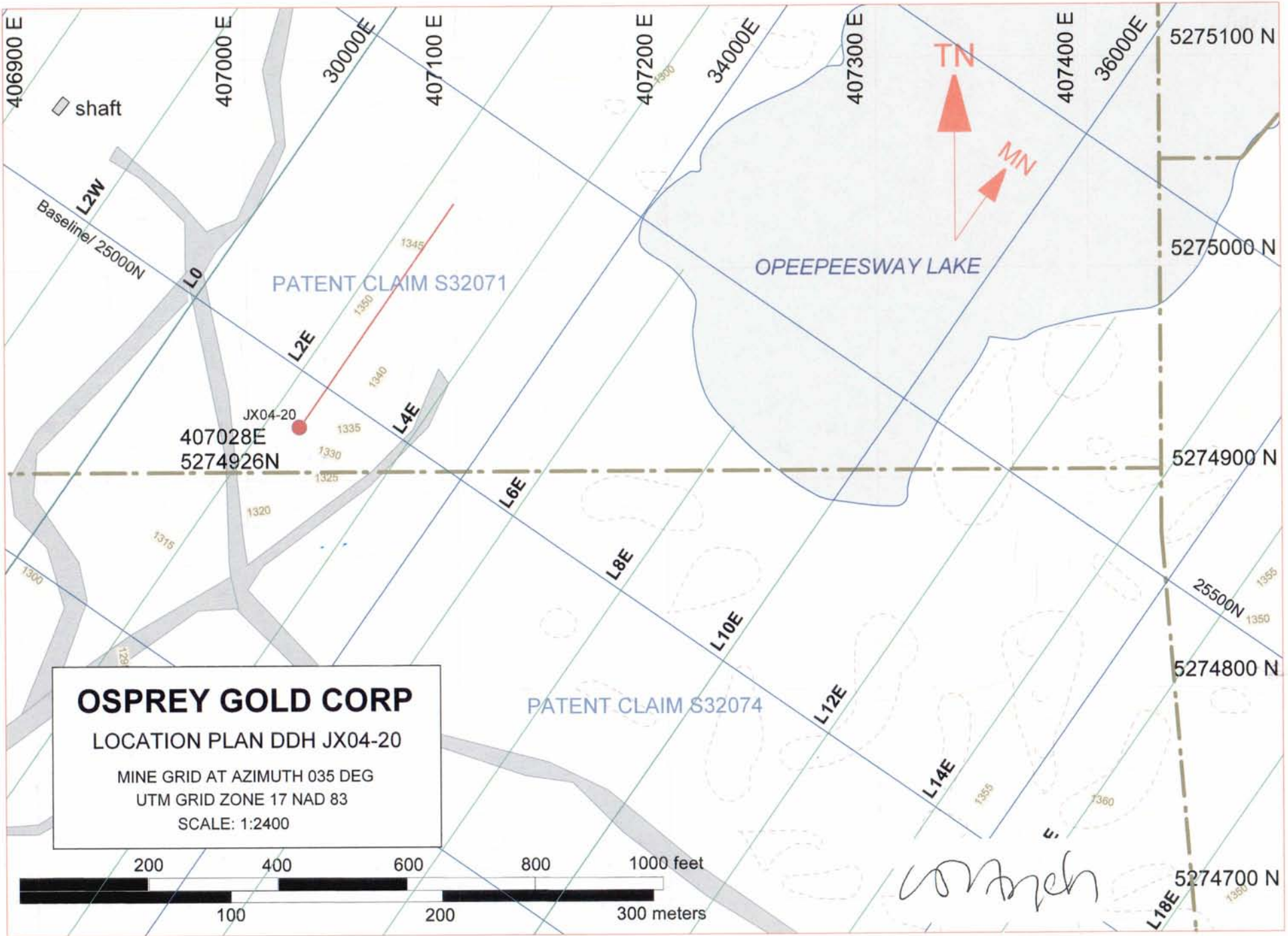
Lithology			Description
From	To	Length	
			Note: major units in bold type, minor units in regular type.
0.0	33.0	33.0	Overburden
33.0	86.5	53.5	Arkose Fine grain, predominantly massive. 20% <1.0mm subround-round quartz grains, high feldspar content, low in femags. Variable sericite alteration from moderate to strong, decreasing in intensity approaching lower conglomeratic unit.
86.5	190.5	104.0	Conglomerate Variable clast size from sand to pebble. Poorly sorted, matrix supported, round to angular clasts of variable composition from mafic to felsic with occasional quartz-feldspar porphyry clast. Moderate-strong carbonatization-sericitization, feldspar destructive. 10% femags, trace pyrite and rare chalcopyrite, 1% oxide. Randomly oriented 0.5-3mm carbonate veinlets, 30vm.
101.0	126.0	25.0	Sand size clast dominant.
126.0	141.0	15.0	Grit-pebble. Weak high angle fabric inundated with mm-1/2cm sericite solution channels.
141.0	154.0	13.0	Sand-grit.
144.0	145.0	1.0	Strong carbonatization-sericitization enhancing quartz grain component. 3% fine grain pyrite associated with alteration. May represent solution channels.
146.5	147.2	0.7	Intense carbonatization-sericitization with strong 40-degree upper and lower contact forming a discrete band. Brecciated host incorporated in what may represent a wider solution channel. 1/2% disseminated pyrite especially associated with margins and wall rock.
153.0	157.0	4.0	20% subround-round pebbles and cm sericite-oxide solution channels.
163.5	165.0	1.5	20% pebbles dominantly of felsic composition.
173.5	183.5	10.0	Strong carbonatization-sericitization in places completely obliterating protolith along decimetre lengths. 3% fine grain disseminated pyrite associated with most intense altered sections.
183.5	190.5	7.0	Relatively unaltered, variable clast size.
190.5	202.5	12.0	Altered Rock-Conglomerate Moderate-strong sericitization and carbonatization, similar to section 173.5-183.5. Trace disseminated tourmaline and rare arsenopyrite associated with intense altered sections. High sericite forms flow channels with wispy and distended margins, in places completely obliterating protolith.
202.5	209.0	6.5	Altered Rock- Wacke Moderate pervasive carbonatization-sericitization with minor randomly oriented 0.5-3mm carbonate veinlets. Trace fine grain pyrite.
209.0	223.0	14.0	Altered Rock- Arkose Intense carbonatization-sericitization obliterating protolith. Pale cream with conspicuous <1.0mm subround to round quartz grains amounting to 10-15%. Predominantly massive with low vein count.
209.0	210.0	1.0	30cm section with multiple 3-5mm grey V1-type veining at high angle. V1 vein breccia amounting to 20%. Fine grain pyrite associated with veining and wall rock averaging 3%.
223.0	228.0	5.0	Arkose - Wacke Medium grey, medium grain, sandy-gritty feldspar and quartz clasts. 10% biotite

Lithology			Description
From	To	Length	
			component in matrix. Predominantly massive with low vein density. At 225.0 very low angle 3-10mm quartz-carbonate-tourmaline vein.
228.0	232.6	4.6	Altered Arkose Moderate-strong carbonatization-sericitization obliterating protolith. At 231.0 broken core with high soft, white clay content.
232.6	238.9	6.3	Arkose - Wacke Similar to unit 223.0-228.0.
238.9	254.5	15.6	Conglomerate Polymictic, variable clast size, matrix supported, in part chloritic, sand-grit fraction poorly sorted. Highly angular felsic and mafic clasts up to pebble size, 10%. Minor high angle subparallel to randomly oriented carbonate-quartz veinlets, 30-50vm.
254.5	255.3	0.8	Intermediate Dyke Narrow dyke with 20cm upper contact zone defined by contorted carbonate-quartz and chlorite veinlets at medium-high angle to core axis. Lower contact ambiguous. 10% femags phenocrysts in a fine grain intermediate matrix.
255.3	274.0	18.7	Arkose - Wacke Same as unit 223.0-228.0. At 226.0, very low angle 10mm carbonate-quartz-tourmaline vein with micro-brecciated tourmaline containing 1% chalcopyrite as matrix cementing the tourmaline.
274.0	305.3	31.3	Intermediate Dyke 10% femag phenocrysts in a fine grain intermediate matrix. Medium-dark grey. Predominantly massive with randomly oriented femags. Weak fabric developed where felsic carbonate phenocrysts dominate. Upper contact sharp at high angle with a 5cm section of high carbonate. May be fault controlled. Sharp lower contact at medium angle to core axis with minor mm pseudo tourmaline veinlets. Overall low vein count dominated by mm carbonate veinlets, randomly oriented.
305.3	352.0	46.7	Altered Arkose Variably altered with moderate-strong carbonatization-sericitization. Disseminated and veinlet tourmaline with local concentrations amounting to 20% along cm lengths.
305.0	310.0	5.0	Strong carbonatization-sericitization, obliterating protolith but preserving mm quartz clasts amounting to 15-20%. Disseminated tourmaline, 1%.
310.0	315.0	5.0	Strong carbonatization-sericitization. Same as previous. 1% disseminated tourmaline. Trace pyrite. Weak pervasive hematization.
315.0	320.0	5.0	Same as previous.
320.0	325.0	5.0	Same as previous, but increase in tourmaline to 5%.
325.0	330.0	5.0	Same as previous.
330.0	335.0	5.0	Strong carbonatization and sericitization, 1% tourmaline. At 330.4, 2cm fault breccia with mm angular rock fragments in a chloritic matrix. Slickenside surfaces, high angle to core axis.
335.0	340.0	5.0	Strong carbonatization-sericitization with lower 1-meter containing distinct mm-1/2 cm bands of pseudo-veinlet tourmaline in a subparallel alignment at medium angle to core axis, 40vm. Trace fine grain pyrite.
340.0	345.0	5.0	Same as previous. Also contains 3% disseminated tourmaline. At 340.5, 10cm with 5% disseminated and clustered pyrite.
345.0	350.0	5.0	Strong carbonatization-sericitization. High tourmaline zone ends at 347.0 (i.e. 338.0-347.0). At 346.0, 5cm with 10% disseminated and clustered pyrite.
350.0	352.0	2.0	Strong carbonatization and sericitization.
352.0	421.3	69.3	Jerome Main Zone
352.0	353.4	1.4	Strong carbonatization and sericitization. Contorted 1mm tourmaline-femag veinlets forming subparallel set at high angle, averaging 100vm, some cm sections with much higher concentrations. <i>Note: Up to this point the core has been cut but not sampled due restricted sampling imposed by senior management.</i>
353.4	357.1	3.7	Intense carbonatization-sericitization. 20% grey quartz silicification and flooding with associated 3-5% fine grain disseminated pyrite. Weak high angle flow fabric.

Lithology			Description
From	To	Length	
357.1	358.2	1.1	Strong carbonatization-sericitization but dominated by quartz flooding, 60%. Strong high angle fabric imparted by carbonatization which has brecciated grey quartz (V1-type veining?). Weak attenuation of fragments. 3% very fine grain pyrite.
358.2	361.6	3.4	Strong carbonatization-sericitization, 10% grey quartz flooding. Complete obliteration of protolith. Trace pyrite.
361.6	364.2	2.6	Strong carbonatization-sericitization with 30% grey quartz (V1-type), flooding. In places appearing to brecciate host rock. Fuzzy flow modified fragments. Trace tourmaline and fine grain disseminated molybdenite.
364.2	368.1	3.9	30% V1-type vein breccia with mm-cm angular fragments in an intense carbonate matrix of V3-type veining, 300vm. 5% fine grain pyrite. At 365.2 two grains of visible gold <1/10mm in size.
368.1	372.5	4.4	10% V1-type vein breccia, dominated by V3-type veining, which appears to have brecciated a silicified feldspar porphyry, beige in colour. Overall 3% fine grain pyrite, trace tourmaline.
372.5	376.0	3.5	Strong V3-phase, 10% V1-type quartz with patchy hematization overprinting and obscuring feldspar porphyry. 5% fine grain disseminated pyrite.
376.0	378.5	2.5	High V3-phase with 10% V1-type quartz veining. 20% of interval is hematized and appearing to overprint a feldspar porphyry. V3 occurs as a pervasive flood phase as well as discrete veins. 5% disseminated fine grain pyrite, rare fuchsite, trace chalcopyrite, minor contorted chlorite veinlets, trace tourmaline.
378.5	380.8	2.3	Intense hematization of feldspar porphyry. 10% grey quartz of V1-type. All brecciated by V3 veining in a chaotic random array. 5% fine grain pyrite, trace chalcopyrite and molybdenite and tourmaline. Hematized rock = 70%, V3 = 20%, V1 = 10%.
380.8	385.0	4.2	Beige feldspar porphyry dominant. Strong brecciation by V3-type veining. Minor V1-type quartz with 3% molybdenite? 3-5% fine grain pyrite, rare 1/2cm fuchsite staining.
385.0	387.5	2.5	V3-type veining and hematized feldspar porphyry, 300vm. Minor mm angular V1. V3 has pale green overtone suggestive of fuchsite staining. Trace tourmaline and pyrite. At 385.2, 2cm crack-seal carbonate-quartz vein cutting 1cm V1 vein at a high angle.
387.5	389.2	1.7	Chaotic cm-scale carbonate-quartz vein breccia with weak hematization. Minor V1-type vein breccia. All cut by strong network of V3-veining, 300vm. Accessories; 3% tourmaline, 1% pyrite, rare fuchsite. Minor contorted chlorite veinlets.
389.2	390.7	1.5	V3 veining brecciating a fine grain feldspathic rock, (feldspar porphyry), into mm-cm fragments. Pale grey. 3% fine grain disseminated pyrite. 1% tourmaline. Lower 2/3 of sample is dominated by carbonate V3-phase. Rare fuchsite.
390.7	394.5	3.8	Intense carbonatization and chaotic breccia with minor fragments of V1 and greater proportion of cm-scale banded carbonate vein fragments. Dominant phase is V3. Late mm-scale randomly oriented carbonate veinlets. Weak hematization, trace pyrite, trace molybdenite and tourmaline. Possible remnants of feldspar porphyry observed.
394.5	396.4	1.9	Same as previous; but with 1/2% pyrite and trace tourmaline.
396.4	400.0	3.6	Intense carbonatization with minor V1-type vein breccia. Weak fuchsite staining. 3% fine grain pyrite.
400.0	404.0	4.0	Intense carbonatization with medium angle flow generated fabric and microbreccia of <mm fragments of quartz and feldspar possibly reflecting a brecciated feldspar porphyry protolith. Minor grey quartz. Trace tourmaline and pyrite.
404.0	405.5	1.5	Feldspar porphyry exhibiting strong carbonatization and incipient breccia formation resulting from random chaotic array of grey quartz veinlets. Some of the grey quartz may be of V1-type totalling 10%. 3% fine grain pyrite vein and rock associated.
404.5	408.4	3.9	High carbonate-quartz vein phase, dominated by carbonate with crack-seal quartz filling. Minor V1 microbreccia. Rare fuchsite. Local cm sections with a high angle flow fabric.
408.4	412.4	4.0	High carbonate-quartz vein content. Similar to previous sample. 20% microbreccia of V1-type quartz. Concentrically banded at mm-scale colloidal carbonate-quartz and what appears to be molybdenite enriched laminations. Minor late grey quartz

Lithology			Description
From	To	Length	
			veining.
412.4	414.3	1.9	Same as previous. Trace pyrite.
414.3	417.0	2.7	Same as previous with 20% V1-type quartz breccia but with greater size range from mm-cm fragments. At 418.8 10cm section with cm fragments, with 1% fine grain pyrite predominantly associated with the quartz but also to a lesser degree with carbonate portion. Reminiscent of hand samples obtained from surface pile.
417.0	421.3	4.3	Intense pervasive carbonatization and moderate sericitization of fine grain porphyry. Rare fuchsite, 1% tourmaline, trace pyrite. Very minor micro-breccia of V1 veining. Late low angle 3-5mm quartz-tourmaline vein. <i>Note: Beyond this point core has been cut but not sampled due sample restriction protocol imposed by senior management.</i>
421.3	478.5	57.2	Feldspar Porphyry - Trondhjemite, Variably Veined Light grey to yellow-grey. Moderate-strong pervasive carbonatization. Random array of 1-5mm carbonate veinlets of V3-phase, 200vm. Variable tourmaline content from trace to 3%.
421.3	425.0	3.7	Strong carbonatization, weak sericitization. Trace-1% pyrite in cm sections.
425.0	430.0	5.0	Same as previous. Low angle 3mm ribbon V1-type vein of quartz-carbonate with molybdenite dusting quartz forming a 2mm ribbon along the core axis. At 429.9 symmetrically ribboned 3mm V1 veinlet with molybdenite at edges with a quartz-carbonate core.
430.0	435.0	5.0	Moderate-strong carbonatization. At 430.0 30cm extension of V1 vein observed from previous sample at 429.9. Good symmetrical zoning with 1mm molybdenite ribbon flanking carbonate-quartz core.
435.0	440.0	5.0	Strong pervasive carbonatization. 1% tourmaline in places forming <1mm pseudo-veinlets.
440.0	441.9	1.9	Strong carbonatization and veining. One 1cm, medium angle, grey quartz-tourmaline-carbonate vein with convolute <1mm molybdenite edges and diffuse quartz-molybdenite mineralization with 3-5% disseminated pyrite along a 16cm length. The mineralization represents 5% of this length.
441.9	444.8	2.9	Strong pervasive carbonatization. Variable tourmaline 1-3%. Rare fuchsite. Weak high angle flow fabric.
444.8	449.6	4.8	Strong pervasive carbonatization. 60cm section with random network of mm carbonate veinlets, 500vm. At 448.7, carbonate V3-phase is juxtaposed to a V1 ribbon vein in part brecciating it on the up-hole side and cross-cutting it on the down-hole side.
449.6	453.0	3.4	Strong pervasive carbonatization. One low angle 3-5mm ribbon V1-vein along a 20cm length. Variable tourmaline with cm patches of 3%. Trace pyrite.
453.0	457.2	4.2	Strong pervasive carbonatization. At 456.0, very low angle multi-branching 1-1.5cm carbonate vein with a fine grain carbonate core of 0.8-1.2cm, flanked by a 3mm coarse carbonate-quartz ladder band with associated disseminated tourmaline.
457.2	459.3	2.1	20cm section with grey quartz vein breccia in a section of highly chaotic randomly oriented mm carbonate veining of V3-phase.
459.3	463.7	4.4	Intense pervasive carbonatization. Hairline-5mm carbonate-quartz veins randomly oriented, 100vm. At 460.4, 5mm medium angle V1-vein displaying a crude symmetrical zoning and autobrecciation. At 462.4, low angle fault plane with strong slickensides and chloritic surfaces and associated veinlet tourmaline. Accessories: trace pyrite, 1% disseminated and veinlet tourmaline.
463.7	467.0	3.3	Intense pervasive carbonatization. 1% disseminated and veinlet tourmaline. Low vein density.
467.0	469.0	2.0	Same as previous. 15cm of diffuse grey quartz associated with chaotic carbonate vein array of V3-type. Rare cm sericite-fuchsite-carbonate solution channel.
469.0	470.7	1.7	Strong carbonate veining brecciating host rock porphyry and earlier quartz vein forming mm-cm fragments of both. Represents 50% of sample interval. Accessories: trace tourmaline and pyrite, rare fuchsite.
470.7	474.2	3.5	Intense carbonatization. Random network of mm-cm multi-branching carbonate veins, 20%. In places brecciating host rock. Accessories: trace disseminated and

Lithology			Description
From	To	Length	
			veinlet tourmaline, trace pyrite.
474.2	478.5	4.3	Intense pervasive carbonatization and V3-veining, 300-400µm. Brecciating V1-type quartz approximately 20%. 3-5% pyrite associated with V1. Minor tourmaline concentrations.
478.5	510.9	32.4	Feldspar Porphyry Fine grain, low vein density, variable meter-scale weak hematization, sericitization-carbonatization. Predominantly massive. Pink to light cream n colour.
478.5	483.3	4.8	Weak pervasive hematization, 1% oxide, minor mm sericite-oxide solution channels, trace tourmaline and pyrite.
483.3	486.6	3.3	Mixed alteration package of carbonate-sericitization overprinting hematization. At 486.0, medium angle 1.0-1.5cm crystal carbonate-quartz tourmaline vein.
486.6	489.7	3.1	Massive, weakly hematized. At 489.5, 10cm with complex high angle array of multiple grey-white quartz veins and multi-branching mm-scale sericite-oxide solution channels.
489.7	493.8	4.1	Massive, strong pervasive carbonatization. Low vein count, rare fuchsite inclusion. Moderate sericitization. Accessories: trace pyrite, tourmaline and oxide.
493.8	497.5	3.7	Same as previous. At 496.5, 20cm of complex chaotic assemblage of high sericite, 20% oxide, 1/2-1% chalcopyrite, minor pyrite and tourmaline.
497.5	497.8	0.3	Massive, weak pervasive hematization. 1% tourmaline. 30cm section with coarse grain feldspar phenocrysts.
497.8	502.9	5.1	Massive, strong carbonatization, moderate sericitization, low vein density, trace tourmaline.
502.9	506.5	3.6	Same as previous.
506.5	510.9	4.4	Same as previous.
510.9	600.0	89.1	Feldspar Porphyry (Jerome Porphyry) Variable pervasive hematization from weak to strong. Variable phenocryst size from fine to coarse. Variable oxide distribution from trace to 10% along 1/2-meter lengths. Variable sericitization occurring as mm-cm solution channels and as pervasive soaking along meter lengths, especially from 525.0-535.0. Overall low vein density dominated by randomly oriented mm-1/2cm grey quartz veins. At 531.0, cm sericite solution channel and a high angle 5mm crudely banded V1-type vein with a dusting of molybdenite, 1% pyrite and tourmaline, trace chalcopyrite.
	600.0		End of hole.



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