

Diamond Drill Log

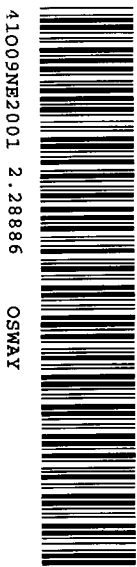
OSPREY GOLD CORP

Hole ID: JX04-2		Project: Jerome Mine		Township: Osway		Claim : S32071	
Started: June 10, 2004		UTM Zone: 17		Easting: 407054		Mine Easting: 30350	
Completed: June 14, 2004		Datum: NAD 83		Northing: 5274107		Grid Northing: 24900	
Core Size: BQ		Casing removed: No		Dip: -45		Azimuth: 034	
Dip Tests	Footage	30'	550'	Length: 547.6 feet		Field Easting: 350	
	Angle	49	50	Core Units: Imperial		Grid Northing: -100	
Topo Elevation: 1320 feet		Mine Elevation: 10000 feet		Mining Division: Porcupine		Signed <i>P. Fischer</i>	
Drilled by: Ron Kor Diamond Drilling, Sudbury, ON							
Objective: Under cut Eddy DDH-7.							

Lithology			Description
From	To	Length	
0.0	28.0	28.0	Note: major units in bold type, minor units in regular type.
28.0	113.1	85.1	Overburden, casing
			Arkose and conglomerate. Medium grained greywacke with 10-20% 1-3' layers of conglomerate. Colour medium gray. Distinct fabric. Consists of feldspar, 10-20% chlorite and sericite. Grain size 0.2-2mm. Scattered heterolithologic pebbles. Pebble size 2-5 mm. Conglomerate forms discrete layers and scattered cobbles. Both clast supported and matrix supported. Stretching of clasts common, 2:1 to 5:1. Size of clasts to 5 cm. Lithology of clasts generally fine grained sediments and volcanics, minor felsic intrusives. Fabric 30-45 TCA. Veining low density, 20-40 veins/m. Accessory oxide, pyrite.
28.0	30.0	2.0	Conglomerate, gray, 30 veins/m, moderate angle TCA
30.0	35.0	5.0	Conglomerate, ditto above, high in chlorite. At 35.0ft: Rusty carbonate veining/stockwork 60TCA. Trace pyrite in veins and halo. Trace tetrahedrite in in carbonate-quartz-veins at 33'
35.0	40.0	5.0	ditto above , medium gray. Trace pyrite, oxide, 20-30 veins / m
40.0	45.0	5.0	Pebbly arkose , medium gray. Trace pyrite, oxide, 20-30 veins / m. A 2 cm quartz vein 45 TCA at 42 '.
45.0	50.0	5.0	ditto above, medium-dark gray (chlorite-biotite)
50.0	55.0	5.0	ditto above. 10-20 veins / m, moderate angle TCA. One 2mm pyrite rich halo on 3 mm quartz vein.
55.0	57.4	2.4	ditto above. Upper half low density veining; lower half higher vein density: 30-50 veins / m
57.4	59.4	2.0	Strong rusty carbonate-veining, 100-200 veins / m, 45-60TCA
59.4	63.6	4.2	Conglomerate. Clast size 0.5-3cm. Medium gray. Matrix supported. Fabric 45-55CA. Pyrite disseminated 0.5-1%
63.6	68.1	4.5	Pebbly arkose, similar above. 65.7-66.5' 5% pyrite in vein halo
68.1	70.0	1.9	Conglomerate, medium-dark gray. Fabric 50CA. Pyrite 0.5%
70.0	70.7	0.7	ditto above, rusty. 10% rusty quartz veins, moderate angle TCA. Trace cpy
70.7	74.8	4.1	Arkose , medium-dark gray. Fresh. Fabric 50TCA. Veining 20v/m. 2mm chalcopryrite grain in 2mm qtz vein at 74'
74.8	76.0	1.2	Conglomerate, dark gray, ditto above. 10% rusty, vuggy, 1-2cm quartz-carbonate veins, moderate angle TCA. Trace chalcopryrite
76.0	80.7	4.7	ditto above, dark gray. Fabric 50-60TCA. At 76' 2cm pyrite-halo with 2% pyrite, pyrite around 5mm quartz veins. 10-20 veins/m, moderate anglesTCA
80.7	81.9	1.2	ditto above. Moderate vein density, 50v/m. fabric 45TCA. 1% pyrite, trace chalcopryrite. Pyrite in vein halo.
81.9	85.0	3.1	Arkose , pebbly. Dark gray. Fabric 50TCA. 10-20 veins/m, trace pyrite
85.0	90.0	5.0	Conglomerate, dark gray, with fabric. 10-20v/m, 1-4 mm wide. Pyrite and chalcopryrite in vein halo.
90.0	95.0	5.0	Arkose , pebbly. Dark gray, with fabric. 10-20v/m, trace pyrite, chalcopryrite
95.0	99.2	4.2	ditto above, dark gray, 10-20v/m, low and moderate angle, trace pyrite
99.2	100.0	0.8	ditto above, with 5mm vuggy, rusty quartz-carbonate-veins, with 1-2cm pyrite halo. Veins 45TCA
100.0	103.9	3.9	ditto above, dark gray. Fabric 50-60TC, 10-20v/m, carbonate-quartz veins 1-2mm wide. Trace pyrite in veins and disseminated

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Lithology			Description
From	To	Length	
103.9	108.4	4.5	ditto above, dark gray, 10-20v/m, <1 to 3mm carbonate-quartz-veins. Trace pyrite, chalcopyrite in veins and in halos
108.4	113.1	4.7	Arkose pebbly, ditto above. Dark gray, fresh, not altered. Fabric. 45-60 TCA. Trace pyrite. Sharp contact 75TCA to fsp porphyry. Note: greywacke not altered at contact, no deformation.
113.1	122.5	9.4	Feldspar Porphyry . Medium grained massive, variable colour: medium gray, pink gray (slightly hematized). Feldspar phenocrysts 1-2mm, boxy shape, in matrix of fine grained quartz-feldspar, in part pink, hematized. 1-3% biotite. Weak fabric 60TCA. Strongly magnetic, 1-2% oxide. Accessory tourmaline, pyrite. Alteration weak? Matrix light gray (sericite-carbonate). Veining generally low density, 10-20v/m, < 1mm to 5mm, moderate angle TCA
113.1	116.6	3.5	Feldspar porphyry, as above. Light gray, weak alteration. Accessory oxide, tourmaline , pyrite 0.5%. 10-20v/m. magnetite locally 2%, as oriented 1-2 mm grains. Pyrite in places as linear clusters, 1x20mm.
116.6	119.5	2.9	Ditto above, feldspar-porphyry. Weak alteration, 20% sericite. 10-20v/m, moderate angle. Accessory oxide. Locally 4cm clusters of 1 mm grains of pyrite
119.5	120.3	0.8	Ditto above, feldspar porphyry. One 2cm quartz-carbonate-vein, 20TCA with 1% pyrite, trace tetrahedrite, chalcopyrite, tourmaline.0.5% dissem pyrite
120.3	122.5	2.2	Ditto above, feldspar porphyry. 40% sericite after feldspar. 1% oxide. In places magnetite on pyrite. 0.5% pyrite. Pink matrix. 5-10v/m. Fabric, oriented feldspar at 122.5'. Sharp contact to following, 80TCA
122.5	130.5	8.0	Arkose . Fine grained -medium grained, grain size 0.5-2mm. Colour mostly medium gray. Fresh with two 0.5-1 ft rusty, veined, altered portions 124-126, 127-128'. Vein: coarse grained q-carbonate-sericite-vein 122.5-126.2'
122.5	125.0	2.5	Arkose , with 1 ft coarse grained quartz-carbonate-sericite-vein. 124-125' altered, rusty with fine grained pyrite. Fabric 50TCA 124-125'. Locally 2cm clusters of disseminated chalcopyrite
125.0	127.8	2.8	Ditto above, arkose. With 1 ft feldspar porphyry 125-126: light gray, weakly altered. 20-30v/m, moderate angle
127.8	130.5	2.7	Ditto above, greywacke with feldspar porphyry from 129.5'. Greywacke fresh, fine grained. 30-50v/m. Sharp contact to feldspar porphyry 20-30 TCA. Marked by 1-2cm XL quartz-carbonate-vein
130.5	157.4	26.9	Feldspar-Porphyry massive. Colour variable from light gray to reddish (hematized?). 1-3% Femags. Variable alteration.
130.5	145.0	14.5	Feldspar Porphyry. Weak alteration
130.5	132.7	2.2	Feldspar-porphyry. Medium grained, fresh, hard, pink colour Accessory pyrite, oxide trace to 0.5%. 20-30v/m, moderate angle. Carbonate-quartz-tourmaline-vein.
132.7	135.0	2.3	Ditto above. Locally 10cm size areas with 3% coarse grained oxide, magnetite, with commonly stronger hematite alteration . Rusty hairline-carbonate-veins in lower 1/4 of interval.
135.0	137.4	2.4	Feldspar-quartz-porphyry, ditto above. Colour pink-gray (hematized?). 1-2% oxide as clusters. 0.5% pyrite in lower half o finterval.
137.4	138.9	1.5	Feldspar-quartz-porphyry. Ditto above, pink-gray. Chalcopyrite 0.5-1% disseminated; pyrite as linear clusters and in vein halos. Low vein density: 10-20v/m, moderate angle
138.9	140.0	1.1	Feldspar-quartz-porphyry. Ditto above. Red-brown, silicified (?), slightly hematized, with cm size gray patches with accessory 1% pyrite, chalcopyrite, 1-2% oxide, magnetite. One 1-2cm wide quartz-tourmaline-vein with 10 mm chalcopyrite patch, 10% tourmaline. Vein 20TCA
140.0	142.0	2.0	Ditto above., pink gray, weak hematite alteration. 0.5% each pyrite, chalcopyrite in hairline-veins with halos. 10v/m. accessory oxide, tourmaline.
145.0	157.4	12.4	Quartz-eye-feldspar porphyry. Moderate-strong alteration.

Lithology			Description
From	To	Length	
			Weak fabric (alignment of feldspar 60-70TCA)
142.0	145.0	3.0	Veining low-medium density, 20-30v/m, mm wide quartz-chlorite-veins. ditto above, medium gray, massive. Femags 3-5%. Weak fabric 60-70TCA. 20-30v/m, moderate-high angle TCA. Accessory pyrite (1%), chalcopyrite, tetrahedrite, tourmaline, all trace.
145.0	148.2	3.2	Ditto above, 20% sericite, 1% chalcopyrite disseminated. Low vein density 10-20v/m, sericite-quartz-veins. Low angle TCA
148.2	151.8	3.6	Ditto above, gray, moderate-strongly altered. Altered, lathy feldspar, slightly trace-0.5% chalcopyrite, in hairline-veins
151.8	154.0	2.2	as halos and 1cm clusters. 2-30v/m, 1-3mm, in part ribbing in veins
154.0	157.4	3.4	Ditto above. Light gray. Strongly sericite altered. Matrix high quartz. Only trace disseminated pyrite, chalcopyrite, tourmaline. One 1cm XL quartz-carbonate-tourmaline-chalcopyrite-vein (trace tetrahedrite)
157.4	160.4	3.0	Feldspar-quartz-porphyry, ditto above. Moderate-strongly sericite altered. 30-40v/: hairline quartz-carbonate-veins, high angleTCA. Trace pyrite. Fabric 60-70TCA near lower contact. Sharp contact 60-70TCA
157.4	160.4	3.0	Arkose gray, fresh. Pebbly conglomeratic, weak fabric. Veining 30-40v/m, 1mm carbonate-quartz-veins, moderate angle TCA. Trace pyrite in veins and halos. Sharp lower contact 65CA
160.4	218.7	58.3	Greywacke, as described above
160.4	165.0	4.6	Feldspar -Quartz-Porphyry Medium grained, massive. Femags 3-5%. Alteration weak-moderate, sericite-carbonate.40-60v/m, hairline carbonate quartz -veins. Minor 1-2cm veins. Moderate angle. Accessory pyrite in veins halos
165.0	170.0	5.0	Feldspar porphyry. Ditto above.
170.0	175.0	5.0	Ditto above. Gray, fresh. Euhedral feldspar, minor matrix carbonate-quartz-3% Femags. Oriented oxide 1%. Pyrite 0.5% in hairline veins . 40-80v/m with pyrite, moderate angle
175.0	177.7	2.7	Feldspar-quartz-porphyry, gray, fresh. More biotite, 5%. Rare quartz eyes. prismatic biotite. Weak fabric 70TCA 20-30v/m.Trace pyrite, chalcopyrite in 10mm quartz-carbonate-vein.
177.7	178.6	0.9	Feldspar-quartz-porphyry,ditto above. Moderate sericite-alteration. Well developed quartz eyes 0.5mm, 1-2% chalcopyrite
178.6	183.2	4.6	Ditto above. With one 1cm quartz-carb-chalcopyrite-tourmaline-vein. 30TCA. Total chalcopyrite 1%
183.2	187.0	3.8	Ditto above. Light gray, medium grained, hard. 20% light gray matrix, carbonate-quartz-sericite. 20-30v/m, carbonate-quartz. Trace pyrite, chalcopyrite. Chalcopyrite concentrated at 181', as 2-4cm clusters, in halos
187.0	188.0	1.0	Ditto above. Hard, silicified?slightly hematized. Trace chlorite. Trace pyrite 1% oxide. 20-30v/m, moderate angle
188.0	192.9	4.9	Ditto above, with 10cm XL carbonate-quartz-tourmaline-vein 30TCA
192.0	195.2	3.2	Ditto above. Pink-gray, fine grained, fresh, hard, slightly hematized. No Femags. 20-30v/m, moderate-high angleTCA. Two 2cm quartz-carbonate-veins with trace chalcopyrite. Total pyrite 0.5%
195.2	196.7	1.5	Ditto above, feldspar-quartz-porphyry. Gray and pink gray. In places 5% biotite 30-40v/m, moderate-high angle. Trace chalcopyrite, pyrite with veins.
196.7	198.1	1.4	Ditto above. With 2 quartz-tourmaline-(carbonate-chalcopyrite)-veins: a) 20cm vein, with 1% chalcopyrite, 50TCA; b) 2cm vein.
198.1	199.6	1.5	Ditto above. Gray, hard, slightly altered (minor carbonate, sericite). 30-40 veins/m, moderate-high angleTCA
199.6	203.8	4.2	Ditto above. Slightly altered. Cut by 1-2cm quartz-carbonate-tourmaline-vein 10TCA with pyrite halo. 10cm vein breccia with 1% pyrite
203.8	208.6	4.8	Ditto above, feldspar quartz-porphyry. Slightly altered, no Femags. 50-80v/m, hairline carb-quartz with chalcopyrite. Some 5cm areas with 2% disseminated chalcopyrite (vein halos?)
			Ditto above. Colour light green gray. High quartz abundance (40%). Carb, sericite each 10%. Weak fabric 60TCA. Accessory. Oxide, pyrite, fuchsite. Fuchsite as 1-3mm grains. 30v/m, 1-3mm veins with minor tourmaline,

Lithology			Description
From	To	Length	
208.6	213.8	5.2	and sericite. Veins moderate angle Ditto above, FQP. Weak lineation, 60-70TCA. Accessory oxide, magnetite, fuchsite, tourmaline, pyrite. 30-50v/m, moderate-high angleTCA
213.8	218.7	4.9	Ditto above, FQP. Weak fabric 60TCA. Sericite, carbonate each 10%. accessory tourmaline, pyrite, chalcopyrite. 30-50v/m, <1 to 5mm, moderate angle. Sharp contact to sediment. 50TCA
218.7	221.7	3.0	Pebbly Arkose. Dark green gray. Fine grained, matrix of quartz, feldspar chlorite. 10% 1-5mm feldspathic pebbles. Fabric 60TCA. Trace pyrite. 20-30v/m. Contact to following not preserved.
218.7	221.7	3.0	Arkose as described above
221.7	249.8	28.1	Quartz-eye-Feldspar Porphyry . Similar to 218.7 but finer grained and strongly altered. Distinct fabric. High sericite abundance, higher tourmaline abundance. Colour light gray to medium gray. Sericite 20-40%, carbonate 5-10%, chlorite? Fabric 45-60TCA. Texture: round quartz eyes 0.5-1mm. Oriented sericite-altered feldspar phenocrysts. 1% disseminated tourmaline. 30-50v/m, <1 to 10mm, moderate angle.
221.7	225.0	3.3	QFP, as described above. Strongly altered. Fabric 45-60TCA. Accessory oxide, tourmaline, pyrite. 30-50v/m
225.0	230.0	5.0	QFP, ditto above. Strongly altered. Quartz eye texture well preserved. Weak fabric: alignment of altered feldspar, 50TCA. Accessory tourmaline, pyrite, 50v/m
230.0	235.0	5.0	QFP, ditto above. 1% fine grained disseminated tourmaline. Slight increase of chalcopyrite, pyrite. Several clusters of arsenopyrite.
235.0	240.0	5.0	QFP, ditto above (alternative terminology: 'greisen'). Colour medium-dark gray, strongly altered: sericite, carbonate. Rare quartz eyes. 0.5% large arsenopyrite cubes. Trace pyrite, chalcopyrite. 50v/m, hairline-carbonate-sericite-chlorite-veins.
240.0	245.0	5.0	QFP, ditto above, strongly altered, sericite-carbonate-chlorite. Increase of arsenopyrite to 1%. Trace pyrite, chalcopyrite, fuchsite. 20-30v/m
245.0	249.8	4.8	FQFP, ditto above. Strongly altered: sericite-carbonate-chlorite. 3% quartz eyes. Massive. Accessory 1% arsenopyrite, 0.5% disseminated chalcopyrite, trace pyrite. 50v/m, hairline carbonate-sericite veins, moderate angle. Comment: Actual contact to sed is probably at 250.5': abrupt colour change and pebbly ghost textures, higher quartz abundance (calstic)
249.8	371.8	122.0	Arkose fine grained, homogeneous, slightly pebbly. Strongly altered
249.8	255.0	5.2	Mixed sample: QFP to 250.4', arkose 250.4-255. Arkose light green gray, fine grained, strongly altered: sericite-chlorite-carbonate. 30-40% quartz fine grained. Several vague pebble outlines. 20-30v/m. trace tourmaline, pyrite
255.0	260.0	5.0	Arkose, ditto above. Strongly altered, slightly pebbly. 20-30 veins/m. trace pyrite, chalcopyrite, tourmaline
260.0	265.0	5.0	Arkose, similar above, moderate-strongly altered. Alteration decreasing. High vein density 50-100v/m, moderate-high angle. Trace tourmaline, pyrite, chalcopyrite.
265.0	270.0	5.0	Arkose, ditto above. Colour changing to medium-dark green gray. 30-50 veins/m. One 10mm quartz-carbonate-vein with trace tetrahedrite, trace pyrite, tourmaline.
270.0	275.0	5.0	Arkose, weakly altered, medium to dark green gray. Arkose, ditto above. Medium-dark gray, weakly altered. 20-30v/m, moderate angle. Pyrite 0.5% as 1 mm cubes disseminated. Trace chalcopyrite as clusters of very fine grained grains
275.0	276.4	1.4	Arkose, ditto above. Slightly pebbly. 0.5% pyrite in 2cm wide halo of vein.
276.4	280.0	3.6	Arkose, ditto above. Dark gray, fresh, fine grained, pebbly. Well developed bedding plane 10TCA. 30-50v/m. One 2mm cherty, dark gray quartz vein with chalcopyrite and dusty black opaque. At 277.7 one 5mm chalcopyrite grain associated with 2mm chlorite-carbonate-vein. Pyrite 1% as disseminated cubes. Chalcopyrite 0.5% disseminated.

Lithology			Description
From	To	Length	
280.0	285.0	5.0	Arkose, ditto above.
285.0	304.2	19.2	Arkose, conglomeratic
285.0	286.8	1.8	Arkose, conglomeratic. 20-30v/m, trace tourmaline, pyrite
286.8	290.0	3.2	Arkose, pebbly, weak altered. Colour light green gray. Quartz grains angular, 0.5-1mm. Matrix quartz rich, hard (silicified?). 30-40v/m. Clast orientation 10TCA. Trace tourmaline, pyrite
290.0	295.0	5.0	Ditto above, pebbly arkose. Dark gray, fresh, hard. 50v/m quartz-veins, <1-5mm, moderate angle. Trace pyrite, chalcopyrite in veins.
295.0	298.7	3.7	Ditto above. Colour green gray, strongly veined, 50-100v/m, moderate-high angle. Two 5cm wide, complex, multi-phase veins: quartz-carbonate. Brecciated, with mm size relics of black, cherty vein material, with dusty black opaque (Mo?). 5cm ladder-veins. 5cm veins have chalcopyrite rich halo, core (1-2% chalcopyrite)
298.7	299.6	0.9	Duplicate samples: Arkose, pebbly, ditto above. With two 1-2cm quartz-carbonate-tourmaline-veins, 50TCA. 1% chalcopyrite in one vein. Total pyrite 0.5%, chalcopyrite 0.5% in hairline-veins. Trace tetrahedrite.
299.6	304.2	4.6	Arkose, conglomeratic. Strongly veined, 50-100v/m, <1 to 5mm, moderate angle. 0.5% pyrite, 0.5% chalcopyrite, trace tetrahedrite in veins and halos. Some halos are 5cm wide with 3% chalcopyrite. Pyrite disseminated as 1mm cubes. Minor clasts of black, cherty vein material (v1).
304.2	356	51.8	Arkose
304.2	306.3	2.1	Arkose, ditto above. Strongly veined, 50-100v/, medium-dark gray. One 5cm ribbon vein and breccia vein: quartz-carbonate-pyrite (tetrahedrite) at 305.5', 45TCA. Common 1-3cm halos with fine grained disseminated. pyrite. Total pyrite 3-4%, tetrahedrite trace-0.5%
306.3	310.2	3.9	Arkose. Dark green gray. Moderate veining 30-50v/m, moderate angle. pyrite 0.5%, chalcopyrite trace, in vein halos
310.2	315.0	4.8	Arkose, pebbly. Dark gray, fresh. 30-40v/m. Trace pyrite in veinshalos.
315.0	320.0	5.0	Arkose, ditto above.30-50v/m, moderate angle. Pyrite trace as scattered cubes, associated with veins.
320.0	325.0	5.0	Arkose, ditto above, weak altered. Weak fabric 35-45TCA. Accessory disseminated tourmaline, pyrite, trace chalcopyrite, 1cm clusters. 30v/m moderate angle. Trace pyrite, chalcopyrite in veins.
325.0	327.5	2.5	Arkose. Gray, medium grained, no pebbles. Weakly altered. Trace pyrite, chalcopyrite (in hairline-veins), trace tourmaline. 20-30v/m, quartz-carbonate, carbonate, <1-2mm
327.5	330.5	3.0	Arkose, light gray. Weak fabric 50-60TCA. Moderate-strongly alteration, colour beige-cream. 40-50v/m, parallel to foliation, 50-60TCA. Pyrite trace-0.5% as 1mm cubes. Trace chalcopyrite disseminated and in mm-biotite-veins.
330.5	335.0	4.5	Arkose, medium gray, pebbly. 30-40v/m, in part low-moderate angle. Trace pyrite, chalcopyrite, disseminated.
335.0	338.8	3.8	Arkose, ditto above, weak altered. 20-30v/m, 1-10mm, carb.-quartz vein moderate angle. Pyrite, chalcopyrite trace-0.5%. Pyrite as cubes and disseminated in vein halos. Chalcopyrite as scattered cm clusters
338.8	340.0	1.2	Arkose, medium grained, medium gray, weakly altered. One crystal quartz-carbonate-vein with specular hematite and 5% chalcopyrite. Generally low vein density, 40-50v/m, hairline carbonate-quartz-veins. Trace pyrite, 0.5-1% chalcopyrite
340.0	342.9	2.9	Arkose, ditto above. 20-30 veins/m, moderate angle. Pyrite, chalcopyrite each trace-0.5%. Chalcopyrite in veins and as rare 1cm clusters
342.9	344.5	1.6	Arkose, ditto above. One 3cm quartz-carbonate-vein ('ladder-vein'). 30-40v/m. Pyrite 0.5%, chalcopyrite 0.5%, disseminated, in hairline-veins.
344.5	347.7	3.2	Arkose, ditto above. 30v/m. One 7cm light gray, cherty vein cut by 'ladder veins. Trace pyrite, chalcopyrite
347.7	351.0	3.3	Arkose, ditto 528493: pebbly, medium gray, weak altered. 30-40v/m. moderate angle. At 350.7' two 2cm carbonate-quartz-tourmaline veins,

Lithology			Description
From	To	Length	
351.0	356.0	5.0	with chalcopyrite, with ladder veins. Total pyrite trace-0.5%, trace chalcopyrite as clusters of very fine grained grains.
356.0	364.6	8.6	Arkose , medium gray. Alteration weak to fresh. 30v/m. moderate angle. trace pyrite, chalcopyrite. Pyrite as rare clusters of 1mm cubes.
356.0	358.0	2.0	Arenite Arenite, light gray, weak alteration. High quartz. 30-40v/m, moderate angle. One 10cm ladder- and ribbon vein, quartz-carbonate with tourmaline, 40-50TCA. One 15mm quartz-tourmaline-vein 30TCA with trace chalcopyrite, trace pyrite.
358.0	361.9	3.9	Arenite, light gray, high quartz abundance. Weak alteration, carb.- sericite. 40-50v/m, carbonate-quartz-veins. One 3cm carbonate-quartz-vein, ribboned, ladder', high angle. One 15mm quartz(carbonate)-vein. Accessory oxide, tourmaline, pyrite trace.
361.9	364.6	2.7	Duplicate sample. Arenite, ditto above. Alteration weak, carbonate, sericite. 30-40v/m, moderate-high angle. Two 1cm quartz-carbonate-veins, one ladder-vein. Disseminated tourmaline 0.5%. Trace chalcopyrite in hairline vein. Trace pyrite in halo
364.6	371.8	7.2	Arkose Arkose, strongly altered. Light green gray, strong veining, accessory tourmaline, fuchsite, sulphides.
364.6	367.3	2.7	Arkose, strongly altered: sericite-quartz-trace fuchsite. Strong veining 50-100v/m, moderate-high angleTCA. Veins light gray, cherty quartz-carbonate, 1mm-3cm. Vein structures: breccia, ribbon, ladder-veins. Total abundance of veins 30-50% of rock. Tourmaline 0.5%, pyrite trace-0.5% as clusters, with tourmaline. Trace tetrahedrite.
367.3	369.4	2.1	Arkose, ditto above, strongly altered, veined, 100-200v/m. Pyrite 0.5% in mm-quartz-carbonate-veins. Tetrahedrite in quartz veins as 'spider' patches, 1mm
369.4	371.8	2.4	Arkose, ditto above. Total vein material 50-60%. Arkose relics in breccia mm-cm size. Veining 200-300 veins/m, several generations: V1 black chert, v2 sericite-pyrite, v3 white creamy, ribboned, v4 dark gray, clear quartz veins, gash veins, ladder veins. Pyrite 1-2% as mm size stringers.
371.8	385.8	14.0	Vein Breccia . Vein breccia, consisting of several generations of veins cutting each other. Strongly varying lithology, generally strong fabric. Protolith unknown, textures obliterated. Observed vein generations: v1cherty black black chert, v2 high sericite-pyrite-tourmaline, v3 light gray cherty carbonate-quartz, v4 white creamy, ribbon quartz veins, v5 dark gray quartz veins, gash veins, ladder veins. Pyrite 1-2% as mm size stringers. Veining 200-400 veins/m, vein material makes up 80-90% of rock. Total pyrite 1-2% as fine grained stringers, clusters, in several vein generations
371.8	375.0	3.2	Vein breccia, as described above. Predominantly v1, minor v3, v4. Pyrite 1-2%. Trace tourmaline
375.0	376.0	1.0	Vein breccia, similar to above but 100% vein material, no wall rock relics. 50% v3, 40-50% v4 and v5. 10cm white quartz veins, coarse grained, 20TCA, 5% v1 relicts. Pyrite 1-2%
376.0	379.3	3.3	Vein breccia. Silicified arkose? Very fine grained, strong fabric. Grading from a 10 cm altered arkose portion at 378'. Fabric 35-55TCA. Pyrite 1-2%, trace tourmaline. At 379.3' 10 cm cherty, silicified portion with 5% vuggy, fine chlorite veining.
379.3	382.4	3.1	Silicified arkose? Fine grained, light gray, strongly altered, foliated, fairly homogeneous rock. Rare mm clasts. In part rich in tourmaline (3-5%). accessory pyrite, fuchsite. Rare veins, 30 veins/m.
382.4	383.8	1.4	Vein breccia, dark gray, cherty. With fabric 60TCA. v1 50%, white carbonate-quartz-veins stockwork 50%. Dusty black opaque in dark cherty v1 phase. Pyrite 1% fine disseminated.
383.8	385.0	1.2	Cherty, black vein rock, v1, strongly veined with white carbonate veins. 1%

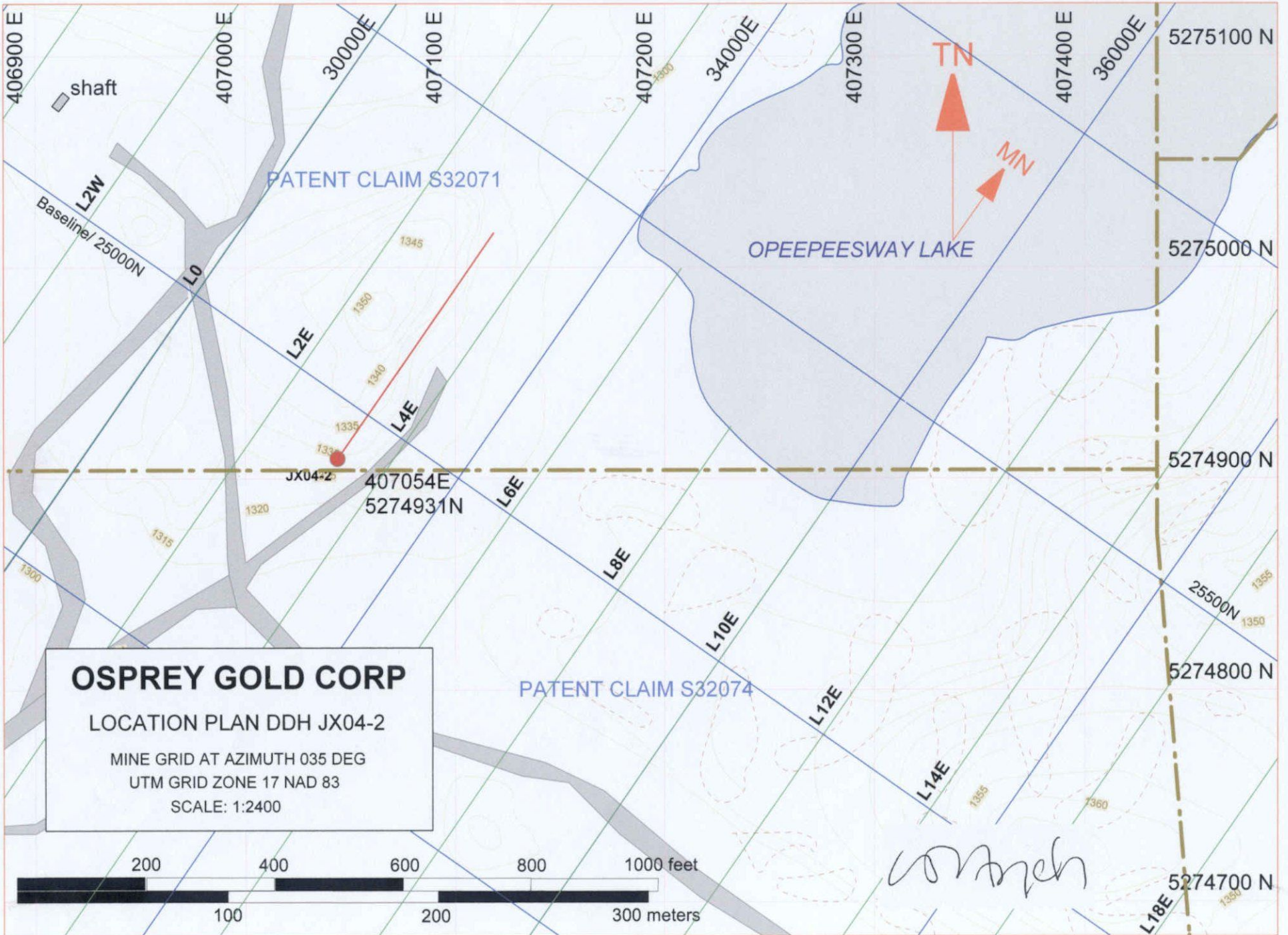
Lithology			Description
From	To	Length	
385.0	385.8	0.8	disseminated pyrite. Black cherty v1 80-90% of rock. One 15 mm portion contains approx 50 grains of VG . Size of VG grains 20 to 100 microns. Vein. Quartz-tourmaline-carbonate-vein, coarse grained, 45-60TCA, cutting and brecciating black cherty phase. Carbonate is pink (hematized) Tourmaline 2%, pyrite 1%, trace molybdenite ?
385.8	393.5	7.7	Arkose Arkose, incipient vein breccia. Strongly altered, strongly veined.
385.8	387.4	1.6	Arkose. Strongly altered, veined. Colour brown gray, hematized. 100-200 veins/m, moderate-high anglesTCA. Cherty quartz-veins, ribboned, with white carbonate centre
387.4	388.5	1.1	Arkose, silicified, veined, similar above. Rock is hard. Tourmaline clusters, trace fuchsite (387.6' 5-10cm fuchsite patch). Veining 100v/m Pyrite 1%
388.5	391.0	2.5	Arkose, strongly altered, silicified, similar above. 100-200v/m. accessory fuchsite. Molybdenite (?) in veins. Pyrite 3% in patches and vein halos. Several ribboned 1cm veins, with outer zone of veins rich in pyrite.
391.0	393.5	2.5	Arkose, with some pebbles. Strongly altered, colour green gray, high in sericite, carbonate. Tourmaline 1-3%, large crystals, 0.5-2mm. Pyrite 1%, associated with quartz-carbonate-veins, as stringers or cubes. Fuchsite 1%. 40-50v/m carbonate-quartz, moderate angles. Several 1cm ribbon quartz-carbonate -veins, moderate angles. Outer zone of veins rich in dusty black opaques (molybdenite?)
393.5	547.6	154.1	Trondhemite.
393.5	402	8.5	Trondhemite, moderate alteration, strong veining. Accessory tourmaline, pyrite. Fine grained, massive, igneous texture, well preserved but generally obscured by alteration and veining. Alteration mostly sericite and carbonate alteration, silicification, minor fuchsite. Various abundances of sulphides, disseminated and in veins.
393.5	396.6	3.1	Trondhemite. Moderate alteration, colour lt green gray, minor reddish gray. Alteration: silicified, overprinted by carbonate-sericite-alteration? Trace fuchsite, tourmaline, 1% pyrite disseminated and in vein halos. Veining strong, 100-200v/m, locally 300-400v/m. Two 1cm dark gray v1 veins: quartz-permeated by white carb-quartz-stockwork. In part vein breccia.
396.6	399.0	2.4	Trondhemite, ditto above. Alteration moderate-strong: silicified, and carbonate-chlorite-sericite-alteration. Trace fuchsite, tourmaline 0.5%, pyrite 1% disseminated and in veins. 50-100v/m; and 5 veins of dark gray quartz-black opaque-pyrite, broken up (breccia) by white carbonate-quartz-veins. Sharp decrease of veining, pyrite to next sample.
399.0	402.0	3.0	Trondhemite, ditto above. Alteration moderate- strong. Accessory tourmaline, fuchsite, pyrite. 3-50v/m.
402.0	438.5	36.5	Trondhemite weakly altered, decrease in veining
402.0	405.0	3.0	Ditto above. Distinct fabric 50CA. Veining 30-50v/m. Rare dark gray cherty veins. Accessory tourmaline disseminated and in clusters, pyrite in halos trace fuchsite.
405.0	408.2	3.2	Duplicate Sample. Trondhemite, ditto above. Dark gray. Moderate alteration, carbonate, chlorite-sericite. Weak fabric 45TCA. Accessory tourmaline, pyrite, chalcopyrite. 50-100v/m
408.2	410.0	1.8	Trondhemite, ditto above. Alteration moderate. Igneous texture in part preserved. Tourmaline 1%, pyrite 2% disseminated and in halo of 2 cm quartz-tourmaline-vein. Trace chalcopyrite, tetrahedrite, fuchsite. 30-50v/m. One 2cm coarse grained quartz-tourmaline-vein parallel core axis, gash vein, with trace tetrahedrite, chalcopyrite
410.0	415.0	5.0	Trondhemite, similar above. Colour upper 1/2 light gray; lower 1/2 reddish. alteration moderate, silicified with carbonate, sericite. 3-50v/m: carbonate-quartz-tourmaline. Tourmaline 1%, pyrite 1% disseminated and in halos.
415.0	417.8	2.8	Ditto above. Reddish colour. No Femags. Strong veining 100-200v/m,

Lithology			Description
From	To	Length	
			carb-quartz-stockwork; minor hairline tourmaline-veins. One 2cm gray quartz-opaque-pyrite-vein, strongly permeated by younger carb-quartz-stockwork. Accessory tourmaline, pyrite, fuchsite
417.8	421.3	3.5	Ditto above. Red-gray, hard, competent. Silicified to fresh. 100-200v/m, in part crackle breccia? Several 1-5mm quartz-tourmaline-veins. Trace pyrite.
421.3	422.0	0.7	Ditto above, with one 2cm quartz-tourmaline-vein, 30TCA; tourmaline in vein 10-20%. Pyrite 1% disseminated
422.0	425.0	3.0	Trondhemite, similar above. Reddish, hard, weakly altered to fresh. Weak fabric 45TCA. Made up of mainly pink feldspar, 20% quartz, 3-5% fine grained chlorite wisps. Igneous, equigranular texture distinct. 1% chloritic inclusions. Alteration: weak hematite-, sericite-, carbonate-alteration. 30-50v/m. Pyrite trace- to 0.5% in veins and halos.
425.0	427.6	2.6	Trondhemite, ditto above. Colour cream. 10% dark patches, with 5% chlorite. 50-100v/m. Five veins 3-10mm, quartz-carbonate, moderate angle. One dark gray quartz-vein (v1). Accessory tourmaline, pyrite, in veins and disseminated.
427.6	429.4	1.8	Ditto above, crackle breccia 100-300 veins/m, hairline-carbonate-quartz-veins. One 8mm quartz-tourmaline-carbonate-vein. Five 2mm quartz-carbonate-opaque veins. Black opaque only on downhole side of vein. In part brecciated. Pyrite 0.5% disseminated and with veins.
429.4	431.4	2.0	Trondhemite, similar above. 50% dark gray cherty veins. Three 5 to 20mm veins 50TCA, breccia veins: white matrix, dark gray cherty clasts. Pyrite 1% in halos. Tetrahedrite trace, associated with pyrite. 100-200v/m in trondhemite.
431.4	434.2	2.8	Ditto above, trondhemite. Reddish. 100-200v/m. Several milky quartz-veins. Trace tourmaline, oxide, pyrite.
434.2	437.3	3.1	Ditto above. Hard, light gray, in part pink. Alteration: moderate silicification, weak sericite-alteration, trace fuchsite. 50-100v/m, moderate-high angle. Trace pyrite with veins.
437.3	438.5	1.2	Ditto above, trondhemite. Dark gray, hard, silicified. 200-300v/m, crackle breccia. A) blue gray cherty quartz-veins, b) white carbonate-veins. Pyrite 2-3%, very fine grained disseminated.
438.5	439.2	0.7	Vein Breccia. 3/4 of interval is vein breccia, 1/4 trondhemite. Breccia 25cm wide, 45TCA. Matrix white creamy, very fine grained carbonate-quartz mosaic, not igneous. Common medium gray, sub-parallel quartz-ladder-veins. Clasts dark gray cherty quartz. At downhole side: non-brecciated 2cm wide, blue-gray, clear quartz-vein cut by very fine grained white quartz-carbonate matrix plus ladder-veins.
439.2	491.4	52.2	Trondhemite. Weakly altered, hard, silicified, pink gray.
439.2	443.8	4.6	Trondhemite. Pink gray, hard, distinct igneous texture. Weak alteration: 10% sericite, 5% 10 % sericite, 5% carbonate. Accessory oxide, pyrite, tourmaline, fuchsite. Veining: strong crackle breccia, 100-200v/m, random orientation. A few 5-20mm quartz-veins, carbonate-quartz-veins. Minor milky quartz veins with trace tetrahedrite. Pyrite trace to 0.5%. Pyrite 1-2% near upper end of interval
443.8	445.0	1.2	Ditto above. Strongly veined: generally 100-200v/m hairline quartz-carbonate-veins, chlorite-veins. Two 3-4cm multi-phase breccia veins, 50TCA. V1 blue gray, with dusty molybdenite, tetrahedrite?, with pyrite; v2 white-cream carbonate-quartz, very fine grained. Total pyrite 3% as cm size stringers associated with dark gray v1. Tetrahedrite trace-0.5%
445.0	447.0	2.0	Ditto above, trondhemite, weak fabric 50TCA. Two dark, chloritic inclusions 50-100v/m. Accessory oxide, pyrite
447.0	448.3	1.3	Ditto above, pink gray, hard. 50-100v/m quartz-carbonate, quartz-tourmaline veins. One 5cm breccia vein. Matrix light gray cherty with trace tetrahedrite. Clasts dark gray cherty. 1% pyrite in trondhemite. Trace oxide, tourmaline.
448.3	451.7	3.4	Ditto above. Oxide 1-2%, trace fuchsite. 50-100v/m accessory pyrite,

Lithology			Description
From	To	Length	
451.7	455.0	3.3	chalcopyrite in vein halo around one 2mm blueish quartz vein, 40TCA. trace tetrahedrite with chalcopyrite Duplicate Sample. Trondhjemite. Pink gray, fresh-weak altered: carbonate-sericite. Veining strong: 100-200v/m, low angle TCA, quartz-tourmaline, quartz-carbonate, quartz-veins. Rare 3-10mm veins. Accessory oxide 1%, fuchsite trace, pyrite 0.5% disseminated and in veins. Tourmaline trace in veins.
455.0	460.0	5.0	Ditto above, trondhjemite. With several 5-10mm quartz-tourmaline-(carbonate)-opaque-veins, low angle TCA. Blueish-gray outer zone of complex vein with fine, black opaque (molybdenite?) and pyrite, Trace chalcopyrite, tetrahedrite in hairline-veins with halos.
460.0	465.0	5.0	Ditto above, trondhjemite. Hard, fresh, pink. Weak alteration. Trace fuchsite. 50-100v/m. Two 2-5cm vein-breccia zones 50TCA. Accessory oxide, tourmaline, pyrite.
465.0	469.0	4.0	Ditto above, pink gray, weakly altered to fresh. 50-100v/m. Accessory 1% disseminated oxide, trace pyrite, 1% tourmaline. Some fine grained, sericite-rich inclusions. One 5cm inclusion (or solution-channel?) with 2%oxide.
469.0	471.0	2.0	Trondhjemite, similar above. Permeated by 20% mm dark gray cherty veins.45-60TCA. Stockwork of mm-spaced black, brecciated dark gray cherty rock with fine grained 2% pyrite.
471.0	475.0	4.0	Ditto above, trondhjemite. Pink, hard, massive, 50-100v/m. 1% sericite-chlorite rich inclusions. Accessory 1% oxide, 0.5% pyrite, trace fuchsite.
475.0	480.0	5.0	Ditto above, trondhjemite. Pink, weakly altered or fresh. 50-100v/m. One 10mm zoned gray quartz-carbonate-opaque-vein, en-echelon-faulted. Accessory 1% oxide disseminated and in inclusions, in quartz-oxide-veins. Trace fuchsite, pyrite, tourmaline in one 5mm vein
480.0	483.5	3.5	Ditto above, pink, weakly altered. 50-100v/m: <1mm quartz-carbonate-veins, quartz-tourmaline-veins, quartz-oxide-veins. One 5mm quartz quartz-tourmaline-vein with 20% tourmaline, 40TCA. 1% fuchsite. trace pyrite.
483.5	485.0	1.5	Ditto above, trondhjemite, pink, weakly altered.30-50v/m. Three 1-2cm quartz veins, moderate angle. Accessory 1% oxide, trace pyrite, fuchsite.
485.0	487.0	2.0	Ditto above. 30-50v/m, 1% oxide, chlorite 2-3%. Trace pyrite, chalcopyrite, tetrahedrite
487.0	489.0	2.0	Ditto above, pink, weakly altered, 30-50v/m. One 5cm coarse grained crystal quartz-carbonate- 'gash'-vein, low angle TCA. 1% oxide, trace fuchsite, trace pyrite as 1mm cubes
489.0	491.4	2.4	Ditto above. One 2cm size, oxide rich fine grained inclusions. One 5mm quartz-tourmaline-vein, 2% tourmaline. Pyrite 1% as linear stringers and halos of hairline veins. One 2cm vein breccia, 45TCA
491.4	494.0	2.6	Trondhjemite, ditto above. Weakly altered. 50-100v/m. One 2cm white fine grained carbonate-quartz-vein, 20TCA. Accessory fuchsite, 1% oxide disseminated. Sharp colour change to following sample
491.4	498	6.6	Trondhjemite, moderate-strongly altered. Colour light gray, strong carbonate-sericite alteration. Accessory tourmaline, pyrite, fuchsite.
494.0	497.0	3.0	Trondhjemite, ditto above. Strong alteration. 30-50v/m. Two 2-3cm wide, complex breccia veins, 60TCA, with dark gray clasts and parallel sericite stringers. One 5mm cream coloured, very fine grained carbonate-quartz-vein parallel TCA. Trace pyrite, tourmaline, oxide, fuchsite.
497.0	498.0	1.0	Ditto above, trondhjemite, moderate-strongly altered. Cut by 1-2cm 'gash' veins, 10TCA, quartz-carbonate-chlorite-tourmaline-chalcopyrite. Chalcopyrite as two 3mm grains. Total chalcopyrite 0.5%, pyrite trace
498.0	525	27.0	Trondhjemite, weak-moderate alteration. Alteration decreasing from above: weak carbonate, sericite alteration. Oriented chlorite wisps 2%.
498.0	501.0	3.0	Trondhjemite, ditto above Weak fabric 50-60TCA. 30-50v/m, moderate-high angle. One 5mm gash

Lithology			Description
From	To	Length	
501.0	503.6	2.6	vein: quartz-carbonate-chlorite-pyrite. Accessory oxide, pyrite, all trace. Trondhemite, ditto above. Alteration weak-moderate, sericite 5-10%, carbonate 10-20%. 1% inclusions. Veining low density: 20-40v/m, carbonate-quartz-veins, quartz-tourmaline-veins, breccia-veins, chlorite-carbonate-veins. One 2cm gash vein, quartz-tourmaline, 30TCA. accessory oxide, tourmaline, pyrite disseminated and in veins.
503.6	507.2	3.6	Ditto above. Light green gray, weakly altered. 30-50v/m. Common 2-5mm quartz veins, carbonate-quartz-veins. Accessory oxide, trace fuchsite, Pyrite 0.5% as 1 mm cubes, trace tourmaline.
507.2	511.7	4.5	Ditto above, moderate alteration. Sericite-carbonate. Fabric 30-40TCA. Accessory tourmaline 0.5% disseminated and in hairline veins. Py 0.5% in veins, with inclusions. Weak veining 30-50v/m, moderate angle.
511.7	515.0	3.3	Duplicate sample. Trondhemite. Colour pink. Alteration moderate, carbonate, sericite. 50-100v/m. Stockwork of 2-5mm zoned carbonate-quartz-tourmaline veins. Accessory tourmaline 0.5%, pyrite 0.5%
515.0	519.8	4.8	Ditto above, trondhemite. Light gray. Weak-moderate altered, 50-100v/m. One 2cm quartz-vein with 2% chalcopyrite. Accessory tourmaline, pyrite, all trace.
519.8	522.2	2.4	Ditto above, trondhemite. Light gray, in part 50 % sericite, 1% tourmaline in hairline-veins and disseminated. 30-50v/m, carbonate-quartz stockwork, minor quartz-veins, hairline tourmaline-veins. In places 1cm pyrite halos. Total pyrite 0.5%, chalcopyrite trace, in veins.
522.2	525.0	2.8	Trondhemite and vein breccia. Trondhemite light gray, altered, as in 538563: sericite-carbonate. Vein breccia 50% of interval. Fabric low angle TCA. Sub-parallel 5mm stringers of white quartz-carbonate-veins with light gray cherty quartz-carbonate matrix hosting trondhemite clasts. Cross-cut by hairline chlorite-carbonate-veins. Accessory tourmaline, pyrite.
525.0	547.6	22.6	Trondhemite strongly altered, strongly veined, with fabric. High sericite abundance, minor carbonate, fuchsite, tourmaline.
525.0	530.0	5.0	Trondhemite. Light gray-green, strong fabric 20-30TCA, strong veining. Strong alteration: sericite 50%, carbonate, tourmaline, minor fuchsite. Strongly foliated, in part breccia with veins. 5cm clusters of 5-10% tourmaline, 2% pyrite. Total pyrite trace, tourmaline 2%. Comment: rock could be called sericite-schist.
530.0	535.0	5.0	Trondhemite, green gray, strongly altered, strongly veined, distinct fabric, oriented veins, vein-breccia. Fabric and parallel veins 30TCA. Alteration: sericite, silicified?, minor carbonate, fuchsite, pyrite. Veining: Upper 2/3: sub-parallel veins 30TCA, 1-10mm quartz veins, tourmaline-pyrite-quartz-veins, quartz-pyrite-tetrahedrite-veins. Quartz veins in part brecciated, with cross-cutting pyrite-tourmaline-veinlets. Tourmaline concentrated in 5cm bands, parallel fabric, 3% tourmaline. Total pyrite 2%, trace chalcopyrite, tetrahedrite.
535.0	538.7	3.7	Trondhemite, lt green gray, moderate-strongly altered. Weak fabric, 35-50TCA. 3-5% disseminated chlorite. Oriented, lathy feldspar replaced by sericite. Alteration strong: sericite, minor carbonate, trace fuchsite. 30-50 veins/m. 1cm quartz-tourmaline-veins, 50TCA, at 20cm spacing. Some crenulated quartz-carbonate-veins. Pyrite 0.5-1% disseminated, tourmaline 0.5%, concentrated in cm clusters which have 5% tourmaline.
538.7	541.2	2.5	Ditto above, trondhemite. Moderate-strongly altered, sericite. 50-100v/m, hairline carbonate-quartz-veins. 1-2cm quartz-carbonate-veins, 10v/m. Accessory tourmaline 1% disseminated and in stringers (5% tourmaline parallel fabric. Pyrite 1-2%
541.2	545.0	3.8	Ditto above, trondhemite. Medium gray, weak fabric 50TCA. Strongly altered. Veining weak: 20-30v/m hairline-veins. 10v/m 3-10mm veins. Accessory tourmaline 0.5% disseminated, pyrite trace-0.5% disseminated and in veins.
545.0	547.6	2.6	Trondhemite, ditto above. Medium gray. Weak fabric 50TCA. Alteration

Lithology			Description
From	To	Length	
	547.6		<p>moderate-strong: Sericite, carbonate, chlorite? 30-50v/m hairline-veins quartz-carbonate. Two 5cm fine grained chloritic patches (solution channels?) with 2% pyrite. Accessory tourmaline, pyrite.</p> <p>End of Hole</p>



PATENT CLAIM S32071

OPEEPEESWAY LAKE

PATENT CLAIM S32074

JX04-2

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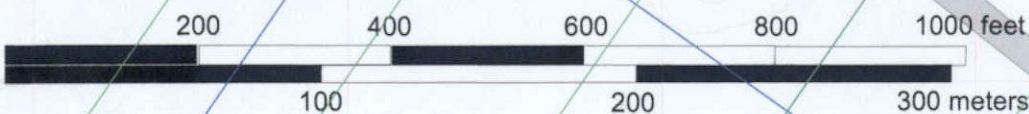
OSPREY GOLD CORP

LOCATION PLAN DDH JX04-2

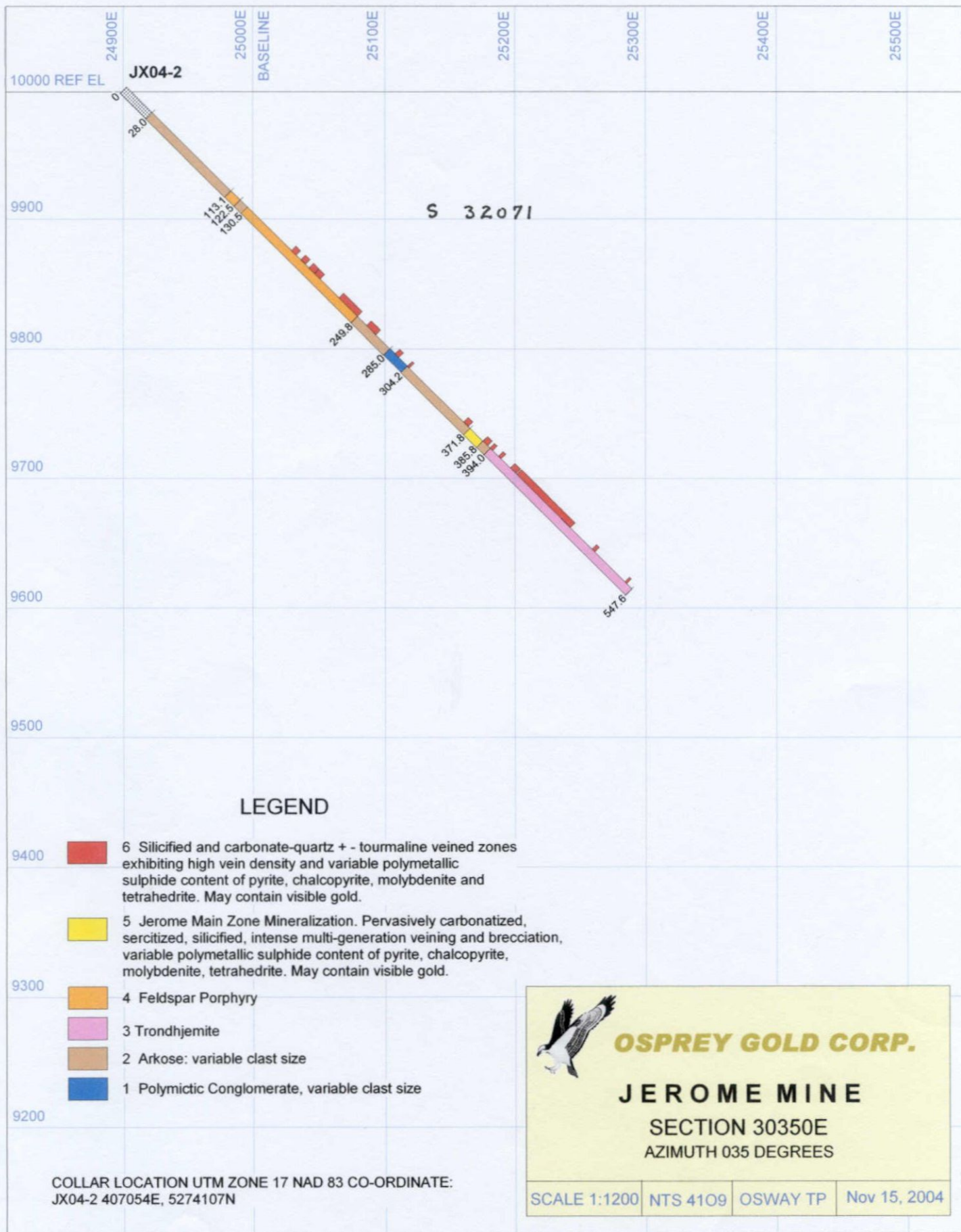
MINE GRID AT AZIMUTH 035 DEG

UTM GRID ZONE 17 NAD 83

SCALE: 1:2400



contour



Diamond Drill Log **OSPREY GOLD CORP**

Hole ID: JX04-4		Project: Jerome Mine		Township: Osway		S32074	
Started: June 15, 2004		UTM Zone: 17		Easting: 407105		Mine Easting: 30550	
Completed: June 18, 2004		Datum: NAD 83		Northing: 5274885		Grid Northing: 24950	
Core Size: BQ		Casing removed: No		Dip: -45		Azimuth: 034	
Field Easting: 550		Length: 475 ft		Grid Northing: -050		Geologist(s): Peter Fischer	
Topo Elevation: 1290 feet		Mine Elevation: 9995 feet		Mining Division: Porcupine		Signed	
Drilled by: Ron Kor Diamond Drilling, Sudbury, ON							

Objective: Undercut Eddie DDH -8. Core retrieval problem at 475ft, hole stopped at 475ft and not 550ft as planned.

Lithology			Description
From	To	Length	
			Note: major units in bold type, minor units in regular type.
0.0	52.0	52.0	Overburden
52.0	168.2	116.2	Arkose and Conglomerate. Variously pebbly arkose interbedded with conglomerate, minor arenite, greywacke, siltstone. Colours medium to dark gray. Generally matrix supported. Femags generally 1-5%. Distinct fabric common, 40-60TCA. Alteration and veining variable, generally weak. Accessories are oxide, pyrite, chalcopyrite, tourmaline.
52.0	84.4	32.4	Pebbly Arkose, weakly altered, medium gray, low vein density
52.0	57.2	5.2	Pebbly arkose, ditto above. Veining 50-80v/m, moderate-high angle TCA, white carbonate-quartz-veins. Accessory pyrite 0.5% disseminated and in veins.
57.2	60.2	3.0	Ditto above, medium-dark gray. Alteration weak-moderate, sericite, carbonate.50-80v/m. One 5cm light gray quartz-carbonate-ladder-vein, 40TCA. Accessory pyrite, chalcopyrite in veins and disseminated.
60.2	65.5	5.3	Ditto above, dark gray, alteration weak-moderate. 50-80v/m, moderate-high angle. Accessory trace pyrite, chalcopyrite 0.5% locally 1% disseminated and in veins, tetrahedrite trace, associated with chalcopyrite. Chalcopyrite in hairline-quartz-carbonate-veins and as fine disseminations of 5cm size. Hairline veins and chalcopyrite at high angles TCA. Trace tourmaline.
65.5	70.3	4.8	Ditto above, dark gray. 30-50v/m, hairline carbonate-quartz-veins. Accessory chalcopyrite 0.5% disseminated and in hairline-veins and halos. Trace pyrite. Trace tourmaline, commonly intergrown with chalcopyrite grains (chalcopyrite on tourmaline).
70.3	75.0	4.7	Pebbly Arkose, ditto above. Moderate sericite alteration. 50-100 veins/m. Accessory 0.5-1% chalcopyrite, associated with tetrahedrite, disseminated and with hairline veins. Trace tourmaline, pyrite.
75.0	79.7	4.7	Ditto above. 50-100v/m, moderate-high angle. In lower 1/2 of interval 100-200v/m, sub-parallel veins, 50-60TCA. Trace chalcopyrite, tetrahedrite, disseminated and associated with hairline veins .
79.7	84.4	4.7	Pebbly arkose, gritty, grain size 1-3mm, light gray. Alteration weak-moderate, sericite, carbonate, tourmaline. 40% sericite. 50-80v/m, carbonate-quartz, moderate angle. Accessory tourmaline, chalcopyrite 0.5%, commonly associated with tourmaline; trace arsenopyrite, tetrahedrite.
84.4	100.4	16.0	Pebbly Arkose, strongly altered. Light gray, high in sericite. Accessory tourmaline, chalcopyrite, tetrahedrite, disseminated and associated with hairline veins.
84.4	89.0	4.6	Pebbly arkose, ditto above. 40% quartz grains in sericite-(carbonate) matrix. 30-50v/m. Accessory: trace tourmaline, chalcopyrite, tetrahedrite, disseminated and in hairline veins.
89.0	90.4	1.4	Ditto above, moderate alteration, high sericite-quartz rock. 50-80v/m, moderate-high angle. Accessory: chalcopyrite 1-2% disseminated and in halos of quartz veins. Tetrahedrite trace-0.5%, pyrite trace.
90.4	95.0	4.6	Ditto above, moderate alteration, high sericite-quartz rock. 80-150v/m. Accessory pyrite, chalcopyrite, tourmaline, all trace, disseminated.



Lithology			Description
From	To	Length	
95.0	100.4	5.4	Ditto above, pebbly arkose, dark gray, moderate alteration, sericite. Veining 100-200 veins/m, hairline to 1mm, minor 5mm quartz-carbonate-veins. Accessory chalcopyrite 1%, tetrahedrite trace, pyrite 0.5%, trace arsenopyrite, trace tourmaline, all very fine grained disseminated.
100.4	115.0	14.6	Pebbly arkose, weakly altered. Similar above but less veining, less alteration, less sulphide.
100.4	102.1	1.7	Arkose, ditto above. 5% chlorite in matrix. Low vein density. Accessory pyrite, chalcopyrite, tetrahedrite, all trace, disseminated. One 10mm chlorite rich patch with 5% disseminated chalcopyrite.
102.1	105.0	2.9	Ditto above, fine grained, pebbly, dark gray, weak-moderate alteration. 30-50v/m. Trace chalcopyrite, tetrahedrite in hairline quartz veins and disseminated.
105.0	110.0	5.0	Ditto above, pebbly arkose. Light-medium gray, less chlorite. Moderate alteration. Veining: 50-80 veins/m, hairline, carbonate veins. Three 1-2cm cherty light gray carbonate-quartz-veins 60TCA. Accessory chalcopyrite 1%, tetrahedrite 0.5-1%, disseminated and in hairline veins.
110.0	115.0	5.0	Ditto above, Light-medium gray, less chlorite. Weak-moderate alteration. veining: 100-20 veins/m. Three 1-2cm light gray carbonate-quartz-veins 60TCA. 113-114 dark gray chlorite alteration.
115.0	136.3	21.3	Pebbly Arkose, weak to moderate alteration. In part conglomeratic.
115.0	120.0	5.0	Pebbly arkose. Dark gray, lower 1/2 light gray. 5% chlorite or biotite. Alteration weak, sericite, chlorite. 30-50v/m. Accessory trace pyrite, chalcopyrite, associated with veins. Comment: Much less chalcopyrite than in previous sample.
120.0	125.0	5.0	Ditto above, arkose with 3 ft conglomerate. Weak fabric 60TCA. Alteration weak. 30-50v/m. Accessory pyrite trace-0.5% in hairline veins and halos chalcopyrite trace, non-magnetic opaque trace.
125.0	129.8	4.8	Ditto above, arkose. Alteration weak, sericite, chlorite. 50-100v/m. Hairline carb.-quartz veins, quartz-biotite veins, moderate-high angles. Trace pyrite, chalcopyrite
129.8	135.0	5.2	Ditto above, weak fabric 50TCA. Alteration weak-moderate, sericite-chlorite. 30-50v/m, hairline carbonate-quartz, -chlorite veins. Several 3-10 quartz-carbonate-veins, various angles. Trace tourmaline, pyrite as mm cubes associated with chlorite veins; and fine grained disseminated. trace chalcopyrite.
135.0	136.3	1.3	Ditto above, pebbly arkose. Light-dark gray. Alteration weak-moderate. 20cm bleached portion (silicified, sericite) with 3% pyrite. Dark chlorite rich portion has 1% disseminated chalcopyrite. Accessory pyrite 3% in bleached portion. 50-100v/m.
136.3	155.0	18.7	Conglomerate, dark green gray, chloritic. Fabric 50TCA. Alteration weak.
136.3	140.0	3.7	Conglomerate, as described above. Veining weak, 20-40v/m. accessory Trace tourmaline, chalcopyrite, 0.5% pyrite (1mm cubes). Sulphide associated with veins and as disseminations.
140.0	145.0	5.0	Pebbly arkose. Dark gray, alteration moderate chlorite, sericite. 20-40v/m. accessory pyrite 0.5% in veins and halos, as scattered 1mm cubes. trace chalcopyrite.
145.0	150.0	5.0	Conglomerate, ditto above. Fabric 50TCA. Moderately altered, chlorite, 50-100v/m. Trace to 0.5% pyrite with veins and as scattered cubes.
150.0	155.0	5.0	Ditto above, conglomerate. Alteration weak-moderate. 30-50 veins/m. Pyrite 0.5% associated with veins and halos
155.0	168.2	13.2	Pebbly Arkose: Dark gray, fabric 50TCA. Alteration moderate-strong chlorite-sericite. Low density veining, trace sulphide.
155.0	160.0	5.0	Pebbly arkose, as described above. 0.5% pyrite as popyroblasts
160.0	163.3	3.3	Pebbly arkose, as described above. 0.5% pyrite as popyroblasts. 40-60 veins/m. Trace pyrite, chalcopyrite, tourmaline.
163.3	168.2	4.9	Arkose, strongly altered. Light green gray, fabric 50TCA. Alteration strong

Lithology			Description
From	To	Length	
			sericite-carbonate, tourmaline. Relict arkose texture, fine grained. Fabric: oriented veins, tourmaline -stringers. 50-100v/m: a) moderate angle, 1-4 mm b) low angle, chlorite-carbonate, tourmaline-veins 10-20TCA Tourmaline 1-3% disseminated and in veins. Pyrite 0.5%.
168.2	292	123.8	Trondhjemite variously altered, coloured, veined. Relict igneous texture equigranular. Made up of feldspar, quartz. Very low abundance of Femags.
168.2	185.0	16.8	Trondhjemite, igneous texture strongly obscured. Alteration strong: sericite, chlorite, quartz, tourmaline. Lithology: Essentially a sericite-quartz rock. Accessory tourmaline, pyrite. Veining variable. Rock difficult to distinguish from strongly altered arkose.
168.2	172.4	4.2	Trondhjemite, as described above. Veining 50-100 veins/m, stockwork. 1% each pyrite, tourmaline.
172.4	173.9	1.5	Ditto above, trondhjemite. Light green gray, strongly altered. 1% pyrite, chalcopyrite, trace tourmaline 0.5-1%. Sharp decrease of sericite.
173.9	177.6	3.7	Trondhjemite, alteration weak, sericite. Lathy feldspar, in part fresh. Weak fabric. 1% high-sericite solution channels. Veining 50-100v/m. Accessory trace chalcopyrite, 0.5% pyrite disseminated and in veins, halos. trace tourmaline.
177.6	180.0	2.4	Trondhjemite and quartz veins. 1/2 of interval sericite-altered trondhjemite. 1/2 of interval cm-wide quartz-veins, 40-50TCA. Trace pyrite
180.0	185.0	5.0	Trondhjemite, ditto above. Light gray, more highly altered: sericite, silicified, oxide, tourmaline. 40-80v/m. Accessory: 1% oxide, trace tourmaline, pyrite, chalcopyrite in halos of veins.
185.0	196.5	11.5	Trondhjemite, weakly altered. Colour pink gray, fresh or weakly altered. Variable vein density. Accessory oxide, tourmaline, pyrite, all trace.
185.0	189.1	4.1	Trondhjemite, medium grained, as described above. 100-200v/m. trace oxide, 0.5% pyrite
189.1	192.4	3.3	Ditto above. Light gray, hard, massive, fine grained. Alteration weak to moderate, sericite (10%) carbonate. High quartz abundance. 40-60v/m. trace oxide, pyrite, chalcopyrite
192.4	196.5	4.1	Ditto above. Accessory oxide, tourmaline. Veining 1/4 of interval a 1-3cm wide vein: Quartz-tourmaline-carbonate, parallel TCA. Quartz veins in part tourmaline-rich margins, cross-cut by 1cm 'ladder-vein'.
196.5	243.9	47.4	Trondhjemite, moderate-strong alteration. Similar to above but higher alteration: silicified?, sericite, tourmaline. Variable sulphide abundance, in part 2% chalcopyrite.
196.5	198.7	2.2	Trondhjemite, as described above. Fine grained, hard, moderate alteration Veining: 1/4 of interval >2cm veins: quartz-tourmaline-vein with stoped-off wallrock slabs. 30-50v/m. Accessory oxide, tourmaline, pyrite 1% as very fine grained dissemination in halos of veins. One fuchsite-rich patch (solution channel?).
198.7	199.4	0.7	Ditto above. Cut by 1cm quartz-tourmaline-chalcopyrite-vein, 50TCA. 4 cm wide tourmaline rich halo (5-10% tourmaline). Total chalcopyrite 2-3%
199.4	202.0	2.6	Ditto above. Texture obscured by alteration. Alteration moderate -strong, sericite-chlorite. Colour medium-dark gray. 30-50v/m. Accessory oxide, tourmaline, trace pyrite, chalcopyrite. One 3cm fine grained carbonate-quartz-vein, in part ribboned, 60TCA.
202.0	205.8	3.8	Trondhjemite and quartz-veins. Igneous texture preserved. Veining: 1/3 of interval is a cm-wide, colloform quartz-tourmaline-vein, parallel TCA. 204-205 ft 2% chalcopyrite in vein. General veining: 30-50 veins/m. Accessory: Tourmaline, pyrite, chalcopyrite.
205.8	209.1	3.3	Ditto above. 1% inclusions, 5-10% 1-2mm dark chloritic spots. 30-50v/m. One cm wide quartz-vein parallel TCA. Trace tourmaline, chalcopyrite 0.5-1%, pyrite 0.5%.
209.1	212.4	3.3	Ditto above, trondhjemite. Moderate-strong alteration, sericite-quartz-

Lithology			Description
From	To	Length	
			chlorite-rock. Veining 20-40v/m. Five 5-20mm quartz-carbonate-veins, in part with chalcopyrite. One 2cm quartz-tourmaline-vein 30TCA. Total sulphide 0.5%: Chalcopyrite, tetrahedrite, molybdenite, pyrite all trace.
212.4	217.6	5.2	Ditto above. Fine grained, weak fabric 50TCA. Medium gray. 30-50v/m. 10v/m cm wide quartz-veins, quartz-carbonate-veins, low angle Total sulphide trace-0.5%, pyrite, chalcopyrite, tetrahedrite.
217.6	221.9	4.3	Ditto above. Strong fabric, with veins 220.5-221.9 ft. Colour light gray, strong alteration, sericite. 20-40v/m. Accessory trace tourmaline, 0.5% pyrite, trace chalcopyrite, tetrahedrite, all disseminated. Pyrite as 1mm cubes, in clusters.
221.9	225.0	3.1	Ditto above. Increase of vein density to 50-100 veins/m, subparallel. One 3cm quartz-carbonate-tourmaline vein 40TCA. Trace tourmaline, pyrite, tetrahedrite, chalcopyrite, all disseminated and associated with hairline-veins. Total sulphide 0.5%.
225.0	230.0	5.0	Ditto above, medium green gray, fine grained, weak fabric 50TCA. Alteration moderate-strong, sericite-chlorite. 30-50v/m. One colloform quartz-vein, parallel core axis. One 15cm mafic fine grained inclusion 229.15-229.55', contact to hostrock 60TCA. Accessory 2% pyrite 0.5-1%, trace chalcopyrite, tourmaline in veins and disseminated.
230.0	235.0	5.0	Ditto above, alteration moderate-strong. 30-50v/m. One carbonate-quartz-ladder-vein. Hairline-tourmaline vein, carbonate-quartz-pyrite-veins. accessory 0.5% pyrite as cubes with hairline veins; and disseminated. Trace fuchsite, trace chalcopyrite, tourmaline.
235.0	240.0	5.0	Ditto above. Trace fuchsite patches. 30-50v/m. One 5cm quartz-carbonate-ladder-vein 60TCA. 234-235' one colloform 1cm quartz vein with 5% chalcopyrite, parallel TCA; one 2cm quartz-carbonate-tourmaline chalcopyrite-vein 45TCA. Trace tourmaline, pyrite, chalcopyrite, tetrahedrite,
240.0	243.9	3.9	Trondhjemite ditto above. Moderate-Strongly altered, light gray, fine grained. Fabric 50TCA. 50-100v/m, hairline to 2mm carbonate-quartz, chlorite-veins, quartz-tourmaline-veins. Rare 5-10mm veins, moderate angle. Accessory oxide 1%, chalcopyrite 0.5%, tetrahedrite, trace pyrite, all disseminated. Sharp contact 45TCA with several 5mm quartz veins to following.
243.9	254.0	10.1	Trondhjemite weakly altered. Hard, fresh or silicified, pink gray, massive. 30-50v/m, hairline-chlorite-carbonate-veins.
243.9	245.0	1.1	Trondhjemite, as described above. With one 5mm quartz-tourmaline-pyrite vein parallel TCA with 5% pyrite. Sharp gradation to fine grained weakly foliated trondhjemite in last 10cm of sample
245.0	250.0	5.0	Trondhjemite, ditto above. Weak alteration, weak hematization, silicified, pink gray. 30-50v/m. One colloform quartz-vein parallel TCA with specular hematite, pyrite. At 252' 3 cm fault breccia with chlorite matrix and hematite 60TCA. Trace chalcopyrite, pyrite 0.5% associated with veins.
250.0	253.1	3.1	Ditto above, medium gray, weak fabric 50TCA, weak alteration, sericite, chlorite, carbonate? 50-100v/m moderate-high angle. Three 1-3cm quartz veins 30-50TCA, trace pyrite, chalcopyrite with veins and disseminated.
253.1	254.0	0.9	Ditto above, cut by one 10mm quartz-tourmaline-chalcopyrite-vein, parallel core axis. Total chalcopyrite in sample 1%
254.0	284.3	30.3	Trondhjemite, moderate-strongly altered. Colour medium-green-gray, Alteration strong, sericite-chlorite. Veining 30-50 veins/m, moderate-high angle TCA. Accessory tourmaline, pyrite, chalcopyrite as very fine grained disseminations.
254.0	257.8	3.8	Trondhjemite, as described above.
257.8	259.0	1.2	Ditto above, with 15cm strongly altered sericite schist with disrupted, colloform 1cm quartz vein with 2% tourmaline. Fabric 50TCA. 100v/m. Sharp transition to following
259.0	263.0	4.0	Trondhjemite, ditto above. Higher vein-density, 100-200v/m carbonate-

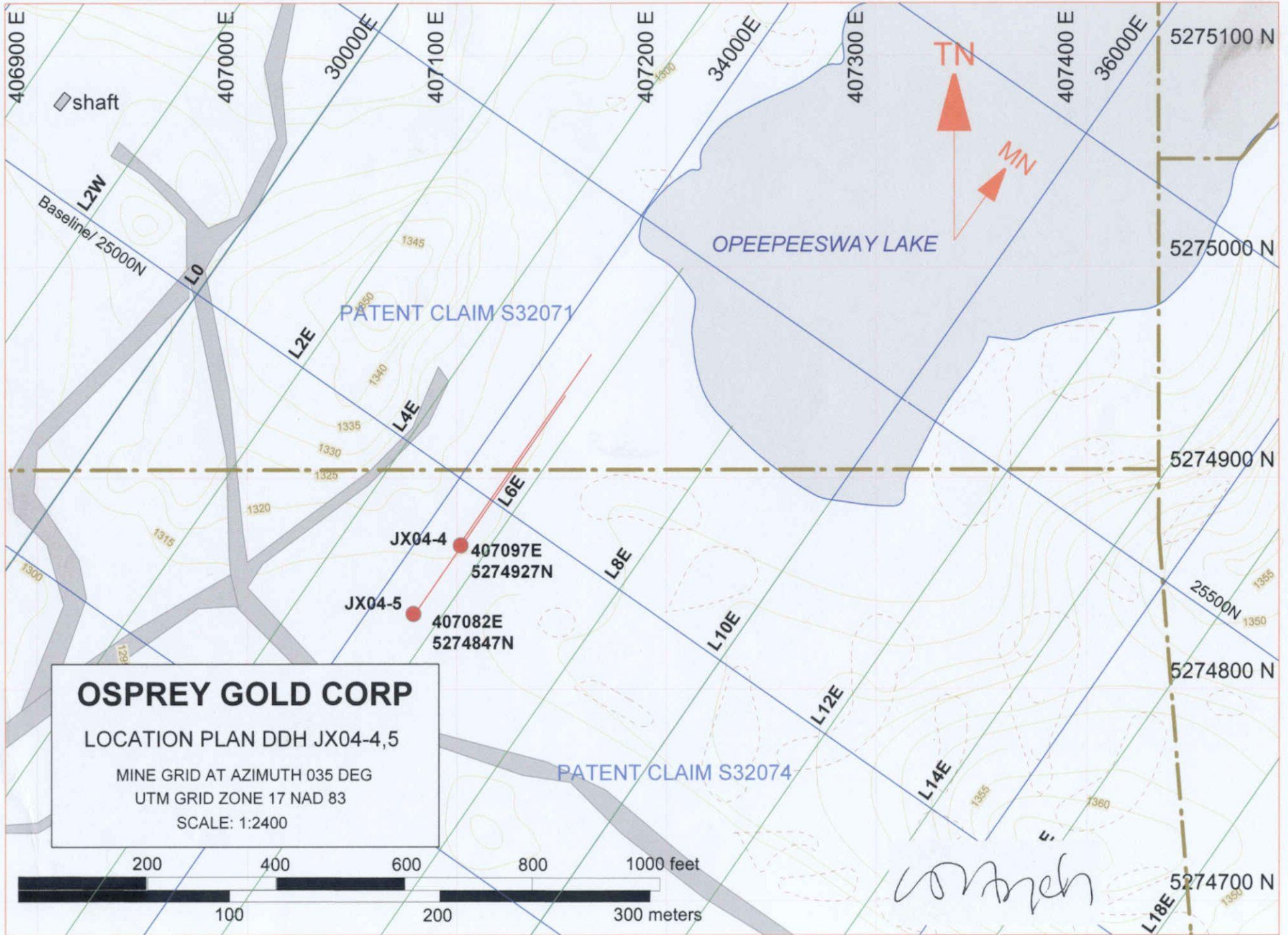
Lithology			Description
From	To	Length	
263.0	264.3	1.3	quartz veins, high angle. Several colloform quartz veins, 1cm, 10TCA Trace pyrite, chalcopyrite in halos.
264.3	267.7	3.4	Ditto above, cut by 10-20% 5-10mm quartz-carbonate-veins, parallel TCA, colloform. 30-50v/m, low angle. Two 1cm vein types: a) Older: blue-gray, cherty with dusty black opaque (v1); b) younger, light gray to white carb-quartz veins. Accessory tourmaline 0.5%, molybdenite trace, pyrite 0.5%.
267.7	269.7	2.0	Trondhjemite, ditto above. Locally well preserved igneous texture. Alteration moderate-strong, sericite-chlorite, trace fuchsite. 50-100v/m, carbonate-quartz veins, chlorite veins, tourmaline veins. Trace pyrite, chalcopyrite disseminated and in vein halos.
269.7	271.0	2.0	Ditto above. Fabric 50TCA. Strong alteration. Veining low density, 20-40 veins/m. Three 2-3cm wide quartz-carbonate veins 50-60TCA. Trace chalcopyrite, tetrahedrite, pyrite 0.5%, disseminated.
271.0	275.0	1.3	Ditto above, cut by 20cm stockwork of 1-3cm quartz-(carbonate)-veins: a) 0-20TCA with trace chalcopyrite ; b) stockwork 40TCA of chlorite-quartz-chalcopyrite-veins with trace hematite. Total chalcopyrite trace-0.5%
275.0	280.0	4.0	Trondhjemite, ditto above. 30-50v/m, carbonate-quartz, minor quartz-tourmaline; quartz-sericite-tourmaline-chlorite-veins; quartz-carbonate-fuchsite-veins. Accessory tourmaline 0.5%, pyrite 0.5%, chalcopyrite 0.5%, tetrahedrite trace.
280.0	284.3	5.0	pyrite, chalcopyrite disseminated and in vein halos.
284.3	292.0	4.3	Ditto above. Pink gray. Alteration weak-moderate, sericite, hematite, silicified? Feldspar fresh? 100-150v/m. Two 1-3cm sericite-rich solution channels(?) with trace tourmaline, chalcopyrite. Accessory trace tourmaline, chalcopyrite in veins and halos. Sharp transition to strongly altered trondhjemite following.
284.3	286.2	7.7	Trondhjemite, strongly altered Upper 1/2 of interval massive, ditto above. Lower 1/2 of interval strong fabric and weak breccia. Fabric 70-80TCA. Colour light gray to creamy. Alteration: hard and soft, silicified and sericite, carbonate, minor fuchsite. Veining: 100v/m, parallel to foliation: carbonate-quartz-veins, quartz-veins, quartz-tourmaline-veins.
286.2	289.2	1.9	Trondhjemite, as described above.
289.2	292.0	3.0	Ditto above lower 1/2 of 528633: strongly altered, strong fabric, in part weak breccia, low-density veining. Rock essentially quartz-sericite-carbonate rock with trace fuchsite, tourmaline. Alternating lenses and stringers rich in quartz (cherty), quartz-carbonate. Some disrupted veins. Minor trondhjemite portions as relics. Trace tourmaline, pyrite, chalcopyrite.
292	302.3	2.8	Ditto above. Strongly altered, strong fabric. Silicified, sericite, minor fuchsite. Rare dark gray cherty inclusions. 50-100v/m. Pyrite 0.5-1%, trace chalcopyrite, tourmaline.
292.0	293.8	10.3	Vein Breccia - Jerome Main Zone Colour dark gray-medium gray. Breccia texture. Two main vein lithologies: v1 (older): dark gray, cherty, high quartz. Impregnated by dusty, black non-magnetic opaque (Mo?) . Younger: v3 : light gray and white carbonate-quartz veins. V4 : quartz-(carbonate)-veins cutting v1 and v3. Fabric in breccia matrix 50-60TCA. Rare V2 : high-sericite-tourmaline, pyrite.
293.8	295.0	1.8	Vein breccia, as described above.
295.0	297.1	1.2	Vein breccia, ditto above. V3 80% of interval. 3% pyrite disseminated, 5% molybdenite or tetrahedrite as oriented stringers. 200-300v/m cross-cutting hairline carbonate-quartz veins.
297.1	299.8	2.1	Vein breccia, ditto above. Pyrite 3-5% in v2 cutting v1: 296.6-297'. V2 : sericite-5% coarse grained tourmaline, 5% pyrite.
		2.7	Ditto above. V1 60%, v3 20%. Fabric 45-60TCA. 200-400v/m carbonate-quartz-veins, moderate-

Lithology			Description
From	To	Length	
299.8	302.3	2.5	high angle. Total pyrite 2%, black fine grained unidentified opaque 1-3%, One 3x1cm patch of v2: coarse grained tourmaline, 10% pyrite in sericite matrix. Lower 1/2 of interval 40% white carbonate-quartz-veins, 45TCA
302.3	320.6	18.3	Silicified, carbonate-veined rock. (SCVR) Light gray, hard, vague igneous relict texture? Strong silicification, minor sericite? Quartz 70%. Veins: 100-300v/m, carbonate-quartz- stockwork moderate-high angle. Accessory tourmaline, pyrite, chalcopyrite, fuchsite.
302.3	305.0	2.7	SCVR, as described above. Coarse grained tourmaline 3%, pyrite 3% disseminated. Strong decrease of tourmaline abundance at 304'.
305.0	310.0	5.0	SCRV, ditto above. Higher in tourmaline: 2-3% tourmaline; pyrite 1-2%, fuchsite 1%. 50-100v/m. Light gray vein-breccia 308-309' . Matrix v3, clasts silicified trondhemite.
310.0	314.0	4.0	SCRV, ditto above. Igneous text in places preserved. Tourmaline 0.5-1%, pyrite, arsenopyrite, hematite all trace.
314.0	316.3	2.3	SCRV, ditto above. Trace fuchsite, 1% tourmaline, 0.5% pyrite. 200-300v/m stockwork. Rare 10mm glassy quartz-tourmaline-veins, parallel TCA.
316.3	320.6	4.3	SCRV, ditto above, incipient breccia. 10% cm vein breccia zones, low angle. 200-300v/m. Tourmaline 1%, pyrite 1-2% disseminated.
320.6	353.4	32.8	Vein breccia and SCVR, Vein breccia made up of several vein generations: V1, v2, v3, v4: v1: dark gray, cherty; v2: sericite-quartz-pyrite-tourmaline; v3: fine grained light gray carbonate-quartz; v4: gray quartz veins. Accessory pyrite tourmaline, fuchsite.
320.6	323.6	3.0	Vein breccia, as described above. Mainly v3 (90%) as matrix, with fabric 45-60TCA, in part with ladder carbonate-quartz-veins. 10% clasts of v2, v1.
323.6	326.9	3.3	Vein breccia, ditto above but less carbonate rich matrix. 50% SCVR. Massive, no fabric. Trace disseminated tourmaline, pyrite, fuchsite. Sharp contact 30TCA to weakly brecciated SCVR.
326.9	330.8	3.9	Vein breccia and SCVR, ditto above. 70% v3 matrix, 30% SCVR. Trace disseminated tourmaline, pyrite, fuchsite. Sharp contact to SCVR raft 20TCA.
330.8	332.9	2.1	SCVR, similar above but darker colour, medium-dark gray. Gradation between dark gray and medium gray SCVR. Veining: 300-400v/m, stockwork . Accessory pyrite 2%, disseminated, trace tourmaline, fuchsite hematite.
332.9	335.8	2.9	SCVR, incipient breccia, ditto above, light gray. Strongly silicified. Two 1-4 cm fuchsite rich patches or solution channels. 300-400v/m, stockwork, moderate angle-high angle
335.8	337.6	1.8	Vein breccia. Colour white-lt green. Fabric 60TCA. Rare v1 clasts, rare high sericite stringers; 30-40% quartz-carbonate-pyrite; 30% v3; trace fuchsite. Pyrite, tourmaline trace.
337.6	338.9	1.3	Vein breccia: v1, v3, v4, quartz-tourmaline vein 5cm with 20% tourmaline.
338.9	340.8	1.9	Vein breccia with flow fabric 50-60TCA Mostly v3. Clasts: v1, v2 sericite-pyrite-tourmaline, quartz-pyrite, fine grained. V4 one ladder vein.
340.8	345.0	4.2	Vein breccia ditto above, with flow fabric. 80% v3 matrix, 10% v1 clasts, trace v2, trace fuchsite clasts, 10% quartz-pyrite fine grained. Total pyrite 1%
345.0	349.4	4.4	Vein breccia, ditto above with flow fabric 60TCA. 105 v1, trace v2, 25% sericite-quartz-pyrite. Total pyrite 1%, trace tourmaline.
349.4	353.4	4.0	vein breccia, ditto above, fabric 50-60TCA. Pyrite 1-2%, molybdenite 0.5%, Sharp transition to following, to strongly altered trondhemite.
353.4	475.0	121.6	Trondhemite, variously altered and veined
353.4	361	7.6	Trondhemite, strongly altered

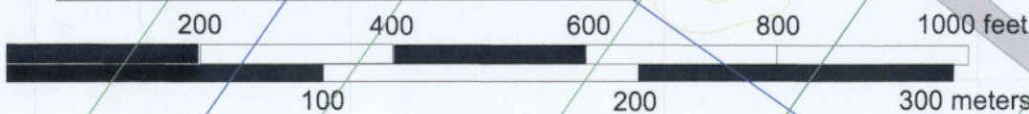
Lithology			Description
From	To	Length	
			strongly veined. Fine grained, equigranular, igneous texture partly preserved. Colour light gray.
353.4	355.0	1.6	Trondhemite, strongly altered, strongly veined. Alteration sericite, minor carbonate, fuchsite. Light gray. 50-100v/m. One 3mm quartz vein with dusty black opaque, 30TCA with 10mm halo of fine grained pyrite. 1-2% tourmaline, 1-2% pyrite disseminated and linear stringers. Pyrite concentrated near upper contact to vein breccia, decreasing downhole.
355.0	357.0	2.0	Trondhemite, fine grained, light gray, hard. Alteration: Silicified, sericite. cm size patches high in sericite. 100-300v/m, carbonate-quartz-veins, quartz tourmaline veins. Several 5mm glassy quartz veins. Pyrite 1%, tourmaline trace-0.5%
357.0	361.0	4.0	Trondhemite, ditto above. Upper 1/2 of interval incipient vein breccia: silicified trondhemite permeated by 30% carbonate veins. 300-500v/m, low-moderate angle. Lower 1/2 of interval: silicified trondhemite. Accessory: Pyrite, tourmaline, fuchsite.
361	365.3	4.3	Trondhemite, moderately altered Fine grained-medium grained, decreasing alteration, colour variable. Vein density moderate to low.
361.0	364.8	3.8	Trondhemite, massive, medium gray, hard. Alteration: silicified, sericite, chlorite. 100-200v/m upper 1/2; 50-100v/m lower 1/2. Hairline-2mm carbonate-quartz-veins, chlorite veins. Rare 5mm quartz-tourmaline-veins. In part crackle breccia. Pyrite 0.5%
364.8	365.3	0.5	Trondhemite, ditto above. Cut by 5cm complex ribboned quartz-carbonate-opaque-pyrite-veins, 45TCA gray cherty veins with 15mm pyrite patch; black cherty veins; cream carbonate-veins. Host trondhemite 1% pyrite, veins 3-4% pyrite.
365.3	475.0	109.7	Trondhemite, weakly altered
365.3	370.0	4.7	Trondhemite, weak sericite-chlorite alteration. 20-30v/m 1-5mm quartz-carbonate-veins, hairline-chlorite veins, moderate angle. One 20mm quartz-(carbonate)-tourmaline-vein 60TCA. 368-369' incipient vein breccia .
370.0	375.0	5.0	Trondhemite, pink gray, hard, weak fabric 60TCA. Weak alteration. 80-150v/m: hairline chlorite veins, carbonate-veins. One 20mm quartz-tourmaline-vein 30TCA. Trace pyrite, tourmaline in veins.
375.0	380.0	5.0	Trondhemite, ditto above. 100v/m. One 4mm quartz veins showing en-echelon micro faulting. One 5mm ribbon vein 30TCA. Four 5mm glassy quartz-tourmaline-veins at 30-50cm spacing.
380.0	385.0	5.0	Trondhemite, ditto above., weak fabric 60TCA. Weak alteration, chlorite, 1% dark fine grained inclusions. 50-100v/m chlorite-carbonate-veins. Rare 2-5mm quartz-tourmaline-carbonate-veins, 20TCA. Trace pyrite associated with veins.
385.0	390.0	5.0	Trace, ditto above. Medium gray, weak fabric. Minor dark, high-sericite inclusions or solution channels. 30-50v/m. 5-10mm quartz-veins pallisade veins. Ribbon structure, 5-10v/m. trace pyrite.
390.0	395.0	5.0	Trondhemite, ditto above. One 5mm quartz-tourmaline-chalcopyrite-vein.
395.0	400.0	5.0	Trondhemite ditto above. Variable density, 30v/m to 100v/m, generally 30-50v/m. 3-10mm glassy quartz veins, carbonate veins, cherty carb-quartz-veins veins. 5v/m, low to moderate angles. Trace pyrite in veins and halos.
400.0	402.4	2.4	Trondhemite, medium gray, weak alteration, chlorite. Low vein density 10-20v/m, trace pyrite.
402.4	405.5	3.1	Trondhemite, medium gray. Alteration weak, chlorite, sericite. Veining: 50-100v/m, chlorite-carbonate veins. One 5mm quartz-tourmaline-carbonate-vein parallel TCA. One 5mm glassy quartz vei 10TCA. Trace pyrite in veins.
405.5	407.5	2.0	Trondhemite, light green gray, weak fabric 50TCA. Alteration moderate-strong, sericite, carbonate, chlorite. 50-100v/m hairline veins; 10v/m 5-30mm quartz-tourmaline-carbonate-chalcopyrite veins. Breccia vein: one

Lithology			Description
From	To	Length	
			10mm breccia vein with sulphide. Matrix light gray, fine grained carbonate-quartz, clasts glassy quartz veins, with 5% chalcopyrite, trace tetrahedrite. One 3cm glassy quartz-tourmaline-vein with 5mm chalcopyrite grain.
407.5	410.0	2.5	Trondhjemite, weakly altered, light gray, low vein density 20v/m, hairline chlorite veins, quartz-carbonate-veins 1-5mm, moderate angle-high angle. Trace pyrite.
410.0	413.9	3.9	Trondhjemite, ditto above. With 1% cm size high-sericite solution channel. 100-150v/m hairline to 2mm quartz-carbonate veins; 10-15v/m 2-10mm quartz-carbonate-tourmaline-veins, moderate angle, low angle. Oxide 1%, pyrite trace-0.5%, associated with veins in last 15cm.
413.9	417.6	3.7	Trondhjemite, weak fabric 60TCA. Pink gray. 1-3% disseminated chlorite. Weak alteration, to fresh. Twinned fresh feldspar. Veining: 50-100v/m, hairline to 1mm carbonate-quartz veins, chlorite-veins, sericite-oxide-veins, quartz-tourmaline-veins at 30-50cm spacing. Parallel TCA. Accessory: Tourmaline, pyrite, oxide.
417.6	418.9	1.3	Trondhjemite, ditto above. Pink gray. Cut by 10% 5 to 20mm gray glassy quartz veins low angle, moderate angle, in part off set by micro faults. Trace pyrite in veins.
418.9	423.1	4.2	Trondhjemite, ditto above. 2% cm inclusions a) high sericite, b) high chlorite with oxide. 30-50v/m, moderate angle high angle. One 15mm glassy quartz vein, low angle. Trace pyrite in veins.
423.1	427.3	4.2	Trondhjemite, ditto above. Pink gray and green gray, weak altered. Lower 1/2 of interval weak chlorite alteration? Disseminated oxide /magnetite. 30-50v/m, moderate angle to high angle. Oxide 1%, pyrite trace associated with veins.
427.3	430.0	2.7	Trondhjemite, ditto above. Variable veining: locally 100-200v/m. Generally 30-50v/m. One quartz-carb-tourmaline-vein, low angle, glassy quartz. Upper 1/4: 5cm ribbon quartz-carbonate-vein v1. Trace pyrite, oxide, tourmaline, molybdenite all trace.
430.0	433.5	3.5	Trondhjemite, ditto above, weak alteration (hematite, silicified). 1% high-sericite-inclusions. Variable veining: 100-200v/m hairline to 3mm. Ribbon vein, moderate angle, with pyrite halo. In places 1% dusty pyrite making up halos, cm wide.
433.5	435.6	2.1	Trondhjemite, ditto above, fresh to weak altered. 30-50v/m. One breccia vein, low angle: breccia matrix cream coloured, cherty carbonate-quartz. One 1cm glassy quartz vein 30TCA. One 5mm quartz-tourmaline-carbonate-pyrite-vein 20TCA
435.6	440.0	4.4	Trondhjemite/Feldspar-porphyry, similar above. Pink gray, fresh to weak hematite-carb-alteration. Slightly porphyritic. Several fresh, 5mm, boxy feldspar phenocrysts. Accessory oxide, magnetite. 2% fine grained mafic inclusions 30-50v/m.
440.0	445.0	5.0	Trondhjemite, ditto above, medium grained, massive. 2% mm-cm patches: a) high-sericite, b) high-chlorite, c) apple green fuchsite? Solution channel? Accessory 1% oxide-magnetite, tourmaline trace, pyrite trace. 50-100v/m hairline to 3mm carbonate-quartz-veins variably with pyrite, oxide; glassy quartz-veins; cherty v3. One 15mm breccia vein 10-20TCA with 2% chalcopyrite. Accessory 1% pyrite, tourmaline, oxide, all trace.
445.0	450.0	5.0	Trondhjemite, similar above, pink gray, weak hematite, carbonate alteration. Minor cm size patches with high sericite. 30-50v/m, hairline to 5mm carbonate-quartz-veins; quartz-oxide-veins parallel TCA; quartz-tourmaline-chalcopyrite parallel TCA. 1 ft portion of stockwork, 200v/m, carbonate-quartz-veins and v3. 1-2% oxide, pyrite and chalcopyrite trace.
450.0	455.0	5.0	Trondhjemite/feldspar-porphyry. Fresh to weak alteration. 2-6mm boxy feldspar phenocrysts. 3% disseminated biotite. Weak fabric 50TCA. High-sericite patches (solution channels). 30-50v/m. 2% oxide, trace pyrite

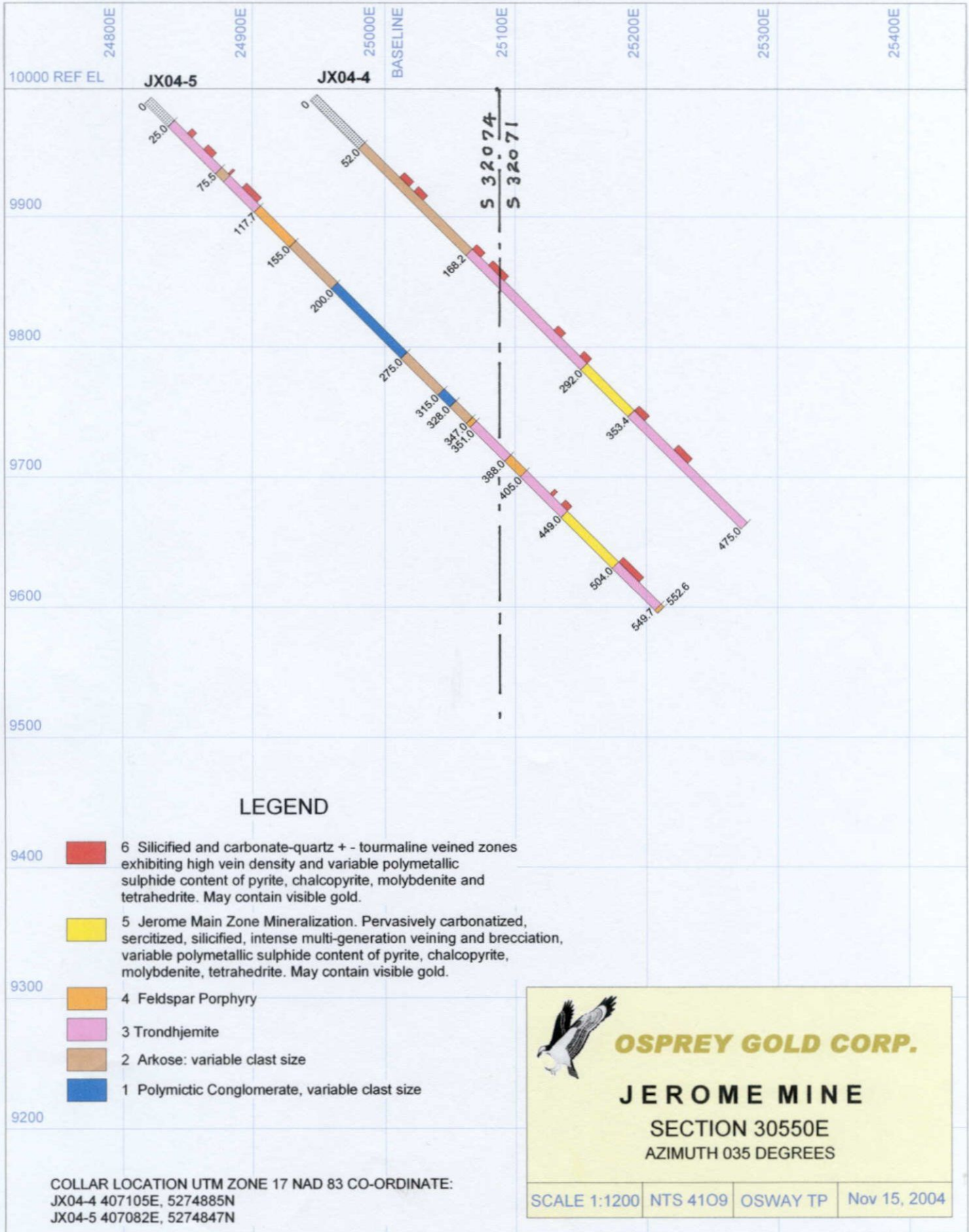
Lithology			Description
From	To	Length	
455.0	459.0	4.0	Ditto above, trondhemite, trace oxide, pyrite.
459.0	462.4	3.4	Trondhemite, ditto above. Pink, fresh to weak alteration. 20-40v/m. At 456.5' one 5-8mm composite vein, 45TCA: glassy quartz, dark gray, with 5-10% chalcopryite; broken up by younger fine grained carbonate-quartz-vein. 15mm wide halo of 2% disseminated chalcopryite.
462.4	463.5	1.1	Trondhemite, ditto above. Reddish with two 1-2cm wide fine grained patches (high sericite solution channels?) oriented 40TCA. One 4cm coarse grained crystal quartz-carbonate-vein, 45TCA, trace chalcopryite within high sericite. Total chalcopryite 1%. Adjacent to other hi-sericite patches (solution channel?): 5mm breccia vein. Dark glassy quartz clasts in carbonate matrix with 3% chalcopryite in vein with 1 cm chalcopryite rich patches
463.5	465.7	2.2	Trondhemite, pink gray, weak alteration. 20-40v/m a) hairline to 5mm quartz-carbonate-veins low angle; b) hairline quartz-carbonate-chalcopryite-veins with halo; c) 1 mm dark gray v3 veins with pyrite, chalcopryite. Total chalcopryite 0.5%, pyrite trace-0.5%
465.7	466.5	0.8	Trondhemite / feldspar porphyry, ditto above. Low vein density 10-20v/m. One glassy quartz vein 5mm with 10mm chalcopryite patch. Total chalcopryite 1%. Trace magnetite.
466.5	471.0	4.5	Feldspar-porphyry, medium grained. Reddish, weak alteration to fresh. 3% disseminated chlorite. 50-100v/m, hairline carbonate-quartz-veins, moderate angle. 10v/m 2-5mm quartz-tourmaline-veins. One 4mm vein breccia, vuggy, with hematite, chlorite.
471.0	475.0	4.0	Feldspar porphyry, ditto above. Reddish. Core strongly broken. Weak hematite alteration. 20-40v/m, moderate angle, hairline-1mm carbonate-quartz-veins, chlorite-carbonate-veins. Accessory oxide, pyrite, all trace.
	475.0		End of Hole



OSPREY GOLD CORP
LOCATION PLAN DDH JX04-4,5
MINE GRID AT AZIMUTH 035 DEG
UTM GRID ZONE 17 NAD 83
SCALE: 1:2400

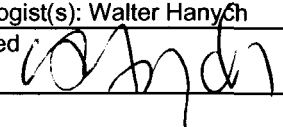


W. Smith



CSmych

Diamond Drill Log **OSPREY GOLD CORP**

Hole ID: JX04-5		Project: Jerome Mine	Township: Osway	Claim: S32074
Started: June 19, 2004		UTM Zone: 17	Easting: 407082	Mine Easting: 30550
Completed: June 22, 2004		Datum: NAD 83	Northing: 5274847	Grid Northing: 24820
Core Size: BQ	Casing removed: No		Dip: -45	Azimuth: 034
Dip Tests	Footage	10	550	Length: 552.6 feet
	Angle	48	48	Grid Northing: -180
Topo Elevation: 1313 feet		Mine Elevation: 9993 feet	Mining Division: Porcupine	Geologist(s): Walter Hanych
Drilled by: Ron Kor Diamond Drilling, Sudbury, ON				Signed: 

Objective: Undercut Eddy DDH-6.

Lithology			Description
From	To	Length	
			Note: major units in bold type, minor units in regular type.
0.0	25.0	25.0	Overburden
25.0	75.5	50.5	Trondhjemite 10-15% femags . Rare cm fine grain mafic inclusion. Low-medium angle carbonate-quartz veins and quartz-carbonate veins, 60vm. Locally forming incipient breccia. Trace cpy, py and oxide.
30.0	31.7	1.7	Same as previous with 15cm high angle quartz-carbonate-tourmaline vein with weak tourmaline rim. Weakly hematized.
31.7	36.0	4.3	60cm section with multiple branching, predominantly hairline-3mm chlorite-carbonate vein breccia containing host rock hematized fragments . Generally at a low-medium angle. Trace fine grain py. Lower 30cm, quartz vein cut by random 1-4mm carbonate veins.
36.0	39.3	3.3	Weakly hematized , medium-high angle carbonate-quartz veins and quartz-carbonate veins 60vm, hairline-1mm stockwork, chlorite veins in 10-20cm sections.
39.3	42.5	3.2	Same as previous, with chlorite vein stockwork over entire sample length, 100vm.
42.5	43.9	1.4	Massive trondhjemite containing cm round mafic inclusions . 8mm medium-angle quartz-carbonate-py vein with 15% fine grain clustered py. Smokey quartz.
46.1	48.3	2.2	5cm low-angle carbonate-quartz vein with trace py and sub-parallel 30cm long low-angle quartz-carbonate vein containing fine grain carbonate and medium grain grey carbonate. White quartz and grey carbonate = V1, V2 = fine grain carbonate. The fine grain carbonate is concentrated on the up-hole side of the vein. Autobrecciation of white quartz by by fine grain carbonate. Trace py in vein with 3% fine grain py in the adjacent wall rock.
48.3	49.6	1.3	Silicified. 1.5cm high-angle zoned carbonate-quartz vein, 4mm of fine grain carbonate core, flanked by 4-6mm of crystal carbonate and pallasides quartz. Tourmaline rimmed. 6cm medium-angle quartz-tourmaline-carbonate vein with trace cpy. Intervening wall-rock contains random clustered hairline-1mm carbonate-quartz veins forming incipient breccia. Hairline chlorite veining in random to weak sub parallel high angle arrangement. Trace cpy associated with veins. 3% and up to 5% disseminated py in wall rock.
49.6	53.8	4.2	Weak carbonatization. Trace fine grain py. Hairline-10mm carbonate-quartz veins, 80vm, some with trace py.
53.8	55.0	1.2	Medium-angle quartz-tourmaline vein cutting earlier 3mm carbonate-quartz veins, trace cpy associated with former.
55.0	60.0	5.0	Intermittent, variable carbonatization and sericitization associated with concentration of random oriented hairline-6mm carbonate-quartz veins, locally forming an incipient breccia, 100vm. Minor late 1cm high-angle quartz-tourmaline-carbonate veining.
60.0	63.6	3.6	Moderate carbonatization and silicification displaying a low-angle flow fabric and incipient breccia, as well as an upper alteration front. Weak chloritization and sericitization. 1% disseminated tourmaline, rare py. Lower 15cm strong fabric defined by alternating chloritic and carbonate stringers and veins.
66.3	69.8	3.5	Moderate carbonatization and most intense in 20cm section of high carbonate, auto-brecciated quartz vein material. Flow fabric at medium-angle. Rare fuchsite, trace py, cpy and tourmaline. Weak chlorite veinlet development.



030

Lithology			Description
From	To	Length	
69.8	71.6	1.8	20cm smokey quartz vein associated with highly chloritized wall-rock, riddled with random array of hairline to 1mm carbonate stringers forming an incipient breccia of vein and wall rock. Trace cpy and py and local mm concentrations of sphene.
71.6	75.5	3.9	Strongly bleached, carbonatized, moderate silicification with grey quartz and development of incipient breccia. Weak low angle flow fabric. Weak patchy sericite and associated 2mm quartz eyes? Rare fine grain py and fuchsite stain.
75.5	84.5	9.0	Greywacke
75.5	79.0	3.5	Dirty gritty greywacke. 30% biotite. Rare quartz pebbles, angular gritty lithic clasts. Trace fine grain cpy. Weak, medium-angle foliation. 0.5-1mm medium-high angle carbonate-quartz veins, 40vm.
79.0	82.3	3.3	Same as previous.
82.3	84.5	2.2	Bleached, strong carbonatization, moderately silicified. Carbonate alteration and incipient breccia formation of grey quartz vein forming a micro-breccia. Weak high angle flow fabric. Trace-1% tourmaline. 3-5% fine grain disseminated py. Hairline-10mm carbonate-quartz vein 500vm.
84.5	117.5	33.0	Trondhjemite
84.5	86.9	2.4	Medium to high-angle hairline to 3mm carbonate-quartz vein, 60vm. Trace fine grain py and cpy.
86.9	88.1	1.2	20cm high-angle carbonate-quartz vein, crackle breccia vein. Early carbonate veins, cut by later quartz veins. Rare tourmaline. Medium-angle 2-5mm sub-parallel carbonate veins and multi-branching grey quartz veins with trace py and cpy.
88.1	91.5	3.4	1-5mm high-angle carbonate-quartz veins and medium to high-angle 3-5mm grey quartz veins, 40vm. Trace fine grain disseminated py and cpy.
91.5	93.0	1.5	6cm high-angle smokey quartz vein and 2cm low angle bifurcating smokey quartz vein. Trace py and tetrahedrite in vein. 1/2% py and trace cpy in wall-rock. Weak carbonatization of wall rock.
93.0	94.2	1.2	5cm high-angle quartz-tourmaline-carbonate vein cutting earlier veining of 0.5-5mm bifurcating grey quartz containing grey unknown mineral, possibly hematite or tetrahedrite. Rare py and cpy in late vein. Trace-1/2% py, cpy and rare sphene in weakly carbonatized wall-rock.
94.2	98.0	3.8	Moderate carbonatization and silicification, but variable with intermittent weak sections. Where more intense, hairline to 1mm grey quartz veinlets with grey unknown mineral, (tetrahedrite or hematite), as dusty dissemination. Trace cpy and py. Prominent veins are medium-high angle carbonate-quartz veins, 200vm.
98.0	101.2	3.2	Pervasive moderate carbonatization and silicification. Incipient breccia formed by grey quartz veining. 1/2% fine grain disseminated py, trace tourmaline in host rock, 200vm.
101.2	103.0	1.8	1-3mm carbonate-quartz veining and 5-6mm smokey quartz veining at high-angle. Lower 15cm strongly foliated with weak boudin development of vein material. 90-degree core angle. Trace py, cpy and tourmaline.
103.0	104.6	1.6	1-5mm carbonate-quartz veins = V2 cutting an earlier V1 veins of grey smokey quartz-carbonate veining, 20vm. 1/2% cpy and trace py in weakly carbonatized host rock.
104.6	105.8	1.2	20cm high-angle smokey quartz- tourmaline-carbonate vein. Quartz-tourmaline ribbon in wall rock on down-hole side of vein with 1/2% cpy and trace py. Tourmaline concentration on up-hole side of vein.
105.8	110.0	4.2	High-angle weak foliation, trace cpy, 15% biotite. Medium to high-angle 1-5mm carbonate-quartz veining and quartz-carbonate veining, 100vm. 1/2% cpy and trace py in host rock, minor white glassy quartz-tourmaline veins with 1% cpy.
110.0	112.3	2.3	High-angle weakly foliated, low vein density of blue grey quartz veins and carbonate-quartz veins. One medium-angle 3mm quartz-carbonate-tourmaline vein with vein with tourmaline rim and trace interstitial cpy. Overall trace cpy in the host rock.
112.3	113.7	1.4	Bleached, strong carbonatization, weak sericitic alteration, along 40cm. 1-5cm carbonate-quartz vein, weak shrinkage quartz filling. Trace py in veins. One with a 5cm weak bilateral sericite-pyrite alteration halo with 3% fine grain py, 300vm.

Lithology			Description
From	To	Length	
			Weak high-angle foliation.
113.7	116.9	3.2	Medium grey. Unaltered, low vein density. 1.5 cm high-angle smokey quartz vein with trace cpy and py. Host rock contains trace to 1/2% disseminated cpy.
116.9	117.5	0.6	Weakly bleached, 6cm high-angle incipient breccia formed by carbonate-quartz vein with tourmaline and bilateral 5cm py alteration halo with 3% fine grain py. 0.5-2mm high-angle carbonate-quartz veins, 40vm.
117.5	155.0	37.5	Feldspar Porphyry
117.5	120.7	3.2	Pale grey, weak high-angle foliation resulting from weak alignment of feldspar phenocrysts and femags. Coarse grain porphyritic, rare blue quartz, 3% fine grain py. Low-angle 3mm quartz-tourmaline-carbonate vein cutting high-angle 4mm grey quartz-carbonate veins. Feldspar phenocrysts up to 5mm in size.
120.7	125.0	4.3	Weak pink colour, hematized, moderately silicified, weak carbonatization. Rare, less than mm blue quartz-eyes, trace fine grain py. Low vein count.
125.0	126.2	1.2	Weak pink hematization. Medium-angle, 5mm bifurcating quartz-carbonate tourmaline vein cross-cutting carbonate veins. Up to 8% fine grain py in 1cm alteration halo in wall-rock with trace py and rare molybdenite in quartz-tourmaline vein.
126.2	129.8	3.6	Pink moderate hematization. High-angle flow fabric. 3% mm-cm sericite rich inclusions with oxide. Accessories include trace fine grain py and oxide, low vein count, 20vm of predominantly carbonate-quartz veins.
129.8	134.6	4.8	Same as previous. 3% femags. Rare cpy. 10cm medium-angle carbonate-quartz ladder vein, weak layering.
134.6	135.7	1.1	Same as previous. Low-angle quartz-tourmaline-carbonate vein with trace cpy clustered in two 2mm masses.
135.7	140.0	4.3	Same as previous but grain size fining towards 140.0.
140.0	141.7	1.7	Pink, moderate hematization. Fine grain size. Rare inclusion of intermediate composition.
141.7	145.0	3.3	Pink high-angle flow fabric. Trace py, rare cpy and 4mm blue quartz-eyes. Low vein density.
145.0	150.0	5.0	Same as previous. One low-angle 5mm white quartz vein with dextral displacement. Variable grain size.
150.0	155.0	5.0	Same as previous but at 153.0 hematization disappears. At 155.0, fault contact of feldspar porphyry and sediment at high-angle to core-axis.
155.0	160.0	5.0	Greywacke-Conglomerate
155.0	160.0	5.0	Interbedded polymictic conglomerate and greywacke. Greywacke contains 20% angular-round quartz grains. Greywacke greater than conglomerate. Weak carbonatization. 10cm bleached at high-angle. Strong sericite-carbonate. 3% fine grain py. Weak incipient breccia. Low vein density 16-20vm.
160.0	200.0	40.0	Arkose
160.0	165.0	5.0	Arkose. Light grey, 1/2% disseminated cpy. Weak carbonatization. Low vein density. 1-3 mm high-angle carbonate-quartz veining, 30vm. Towards 165.0 becomes conglomerate.
165.0	170.0	5.0	Conglomerate high pebble count (30%), gritty matrix, polymictic with quartz-eye porphyry and oxide iron formation clasts.
170.0	175.0	5.0	Same as previous. Minor py concentration in 1mm high clusters and high-angle laminations.
175.0	195.0		Same as 165.0 to 170.0.
195.0	200.0		Predominantly coarse grain arkose.
200.0	275.0	75.0	Conglomerate
			Predominantly conglomerate with cobble clasts dominating. Bedding at medium-angle to core-axis, appears to be dipping north.
230.0	235.0	5.0	Trace disseminated and clustered py.
247.4	250.0	2.6	Trace coarse grain disseminated py and fine grain clustered py. One 10cm carbonate-quartz tourmaline vein exhibiting incipient breccia and crack-seal quartz filling. Rare fine grain py.
254.0	275.0	21.0	Moderate bleaching, pervasive moderate sericite-carbonate alteration

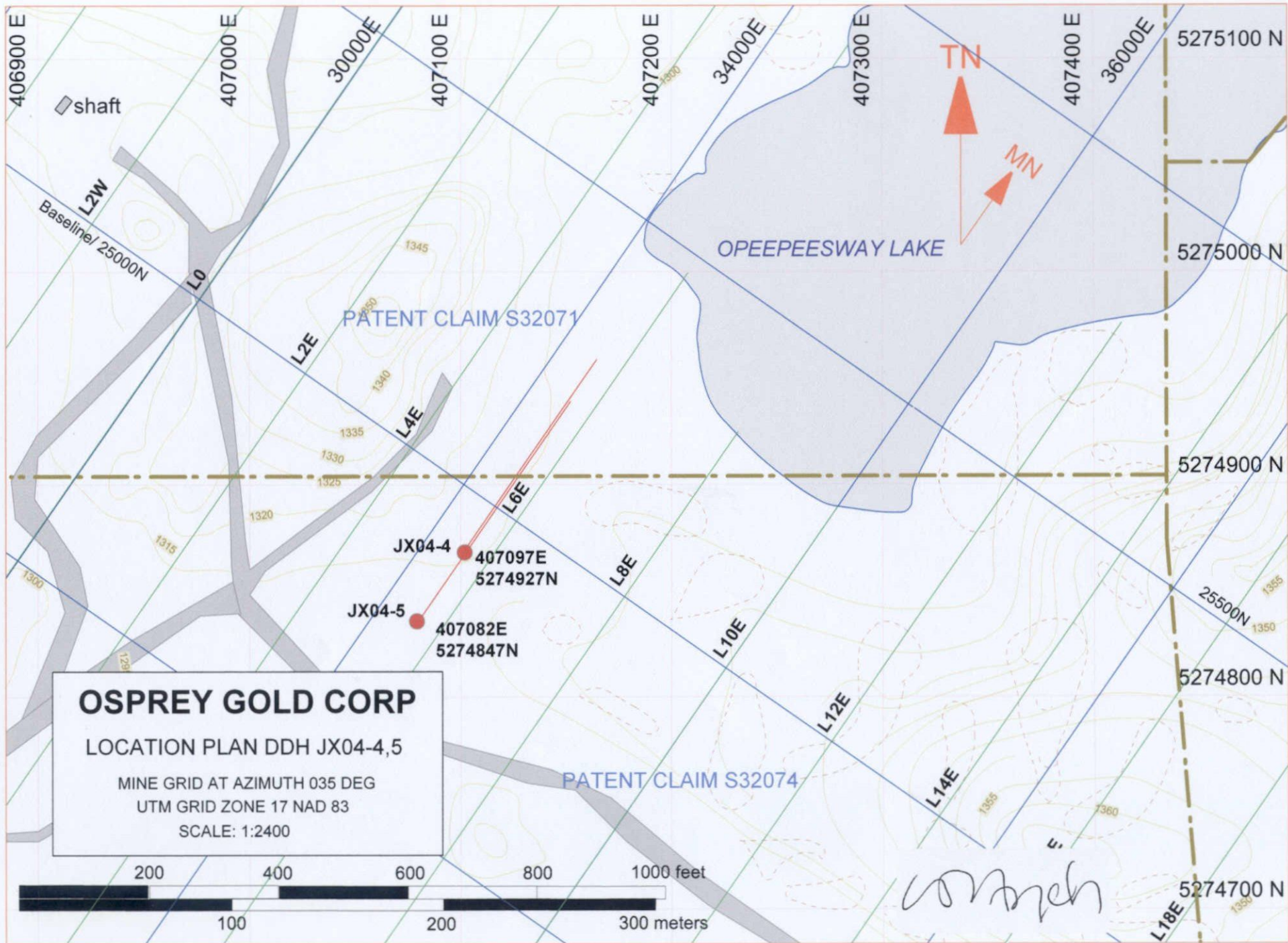
Lithology			Description
From	To	Length	
275.0	315.0	40.0	Arkose Moderate bleaching, pervasive moderate sericite-carbonate alteration 1/2% disseminated tourmaline. 0.5m conglomerate section, low vein count of medium-high-angle carbonate-quartz veins, approximately 30vm. Occasional meter pebble beds . At 306.5ft bedding, down hole change from gritty arkose to conglomerate. Medium-angle grid-north dip.
315.0	327.7	12.7	Conglomerate
315.0	323.7	8.7	Conglomerate, polymictic, pebble-cobble size, with mafic-felsic clasts wich are matrix supported. Lower contact idefined by an incipient breccia and a weak high-angle foliation.
323.7	327.7	4.0	Half of sample is strong carbonatization and moderate silicification and sericitization exhibiting a high-angle flow fabric and incipient breccia of sediment. The alteration package is pervasive obliterating protolith. Rare fuchsite. The other half, exhibits moderate alteration which has soaked the rock. Trace fine grain oxide and py .
327.7	345.4	17.7	Arkose
327.7	331.9	4.2	Moderate carbonate and sericite alteration. Where carbonatization is intense in 1cm section incipient breccia formed. 1-5mm high-angle carbonate-quartz and quartz veins, 60vm. Trace fine grain py and oxide. 1% tourmaline, rare fuchsite. 2-3 mm low angle quartz-tourmaline-carbonate vein with trace cpy.
331.9	333.6	1.7	Same as previous but with medium-angle subparallel white quartz vein with carbonate spine. 3mm low-angle quartz vein.
333.6	338.5	4.9	Moderate pervasive carbonate - sericite alteration. 0.5 % tourmaline. Trace py and oxide, rare cpy . High angle 1 to 3 mm carbonate-quartz veins and quartz-carbonate veins, 50vm.
338.5	343.4	4.9	Same as previous.
343.4	345.4	2.0	Same as previous. 344.7 to 345.4 pink feldspar porphyry, with upper contact of a high angle carbonate quartz vein in faulted contact exhibiting chloritic slickensides. Lower contact intrusive and sharp at 30 degrees.
345.4	346.8	1.4	Arkose Moderate carbonate-sericite alteration of sediment, protolith is an arkose. In upper 15cm very low angle 1cm colloform carbonate-quartz vein with weak tourmaline rim. Lower 15cm contact with feldspar porphyry and an associated hematization front. At contact within the porphyry is a 3mm high angle carbonate-quartz vein. Also within the porphyry is a 1cm low angle quartz-carbonate-tourmaline vein.
346.8	350.8	4.0	Felspar Porphyry Feldspar porphyry, pink ,strong silicification, 1% oxide. Rare felsic inclusion. Low vein density, minor carbonate-quartz and quartz-carbonate veining at medium to high angle. A unique vein set of medium to high angle 1-2mm hematite veins, appear to be latest.
350.8	388.0	37.2	Tronndhemite
350.8	355.0	4.2	Moderate carbonatization and sericitization. Gradual diminishing of hematization. Low vein density. Low angle 1cm quartz carbonate vein with carbonate spine. Specular hematite associated with medium angle fracture. Minor random 1mm late quartz veins.
355.0	360.0	5.0	Light grey, massive, moderate carbinatization-sericitization, 1% oxide. Trace tourmaline. Very low vein density, 5vm, of low to medium angle, 1-4mm carbonate-quartz veins and quartz-carbonate veins.
360.0	365.0	5.0	Same as previous. 15cm carbonate-quartz vein breccia. Weak ladder vein structure, at high angle. Cm size irregular solution channel of sericite and tourmaline with a core of tourmaline crystals.
365.0	370.0	5.0	Weak to moderate hematizion and silicification. Trace oxide, low vein density.
370.0	375.0	5.0	Weak hematization, carbonatization and sericitization. Fine grain, massive, 1% disseminated tourmaline. Rare py .
375.0	380.0	5.0	Same as previous. Lower 60cm intensely silicified . Trace very fine grain py and cpy Rare sphene. Trace tourmaline in veinlets and disseminated throughout. Low vein density of carbonate-quartz and quartz-carbonate veins.

Lithology			Description
From	To	Length	
380.0	384.3	4.3	Weak carbonatization-hematization, 1/2% dissemination tourmaline. Rare high angle 1mm hematite-carbonate veins. Minor low angle quartz-tourmaline veins with rare cpy. 1/2% disseminated tourmaline.
384.3	385.0	0.7	Low angle 2cm quartz-carbonate-tourmaline vein brecciating host rock. Sub-parallel hairline to 1mm tourmaline-carbonate veins with trace cpy.
385.0	388.0	3.0	Very fine grain, weakly hematized, 1/2% disseminated tourmaline, low angle hairline to 8mm multi-branching tourmaline-carbonate veins brecciating host rock into 0.5cm angular fragments. 20cm section silicified and weakly carbonatized with a strong medium angle flow fabric exhibiting sharp boundary with host rock. Associated 1cm white quartz vein and 8mm quartz-tourmaline-carbonate vein with 1/2% medium grain py and weak bilateral 5mm sericitic-fuchsite alteration halo.
388.0	405.0	17.0	Feldspar Porphyry
388.0	389.4	1.4	Strongly hematized, 1/2% disseminated tourmaline. One, 1cm low angle quartz-tourmaline vein brecciating host rock. Contorted tourmaline laminations rimming quartz. 1.5% py in cm mass. 1/2% cpy. One high angle quartz-tourmaline vein with 3% py, 1% cpy and 1/2% grey unknown mineral. Tetrahedrite or molybdenite.
389.4	392.5	3.1	Moderately hematized, 1% disseminated tourmaline. Medium angle 1cm grey quartz-carbonate vein with a carbonate core, trace cpy and py. One low angle white crystal carbonate-quartz vein with 1mm carbonate-tourmaline-quartz satellite vein with 1/2% subhedral pyrite.
392.5	395.0	2.5	Moderate hematization. Rare fine grain py and cpy. 1/2% tourmaline, trace oxide. Randomly oriented hairline-1mm tourmaline-carbonate veinlets, 50vm.
395.0	400.0	5.0	Moderate hematization. Upper 40 cm, weak high angle fabric, 1/2% tourmaline and oxide. 20cm section with high angle 3-10mm carbonate-quartz veins and quartz-tourmaline veins, cross-cut by low to high angle 1-2 mm hematite-carbonate vein in part associated with a very low angle quartz-tourmaline-oxide vein. Minor solution channels of tourmaline-carbonate-sericite.
400.0	405.0	5.0	Weakly hematized, 1% disseminated tourmaline, weak carbonatization and sericitization. Minor low angle tourmaline-carbonate veins and medium angle carbonate-quartz veins. Rare py.
405.0	442.1	37.1	Trondhjemite
405.0	410.0	5.0	Weak pervasive carbonatization-sericitization, with 1/2% tourmaline and trace py. 20cm section, medium grey with well developed high angle flow fabric, high sericite and 10% disseminated tourmaline, trace py. Cross-cut by veins of carbonate-quartz sub-parallel to flow fabric, occasionally at an acute angle. 15cm section with 2cm high angle carbonate-quartz vein flanking a 11cm core of high carbonatization.
410.0	415.0	5.0	Light grey, massive, fine grain, moderate carbonatization and sericitization. 1% tourmaline. Occasional 0.5cm solution channel of high sericite with disseminated tourmaline. Low vein density of 1 to 3 mm carbonate-quartz veing, 30vm.
415.0	420.0	5.0	Same as previous. One high angle 1cm carbonate-quartz vein with 5% interstitial specular hematite and associated trace yellow pyrite. Associated with vein clusters of tourmaline. At 420.0 1.5cm high angle white quartz vein.
420.0	425.0	5.0	Light grey ,massive, fine grain, moderate carbonatization. Medium to high angle carbonate-quartz veins, 60 vm. One 2mm low angle quartz-carbonate-tourmaline vein with trace py. Overall 1% tourmaline, rare py.
425.0	428.9	3.9	Light grey massive, fine grain, moderate carbonatization. Medium-high angle carbonate quartz veins, 60 vm.
428.9	430.4	1.5	Same as previous, with five high angle 8-20mm quartz carbonate veins, some with tourmaline, rare hematite associated with veins.
430.4	434.4	4.0	Moderate sericitization, massive, rare py and cpy, 1% tourmaline, rare fuchsite stain. Medium angle 1-6mm carbonate-quartz veins, 80vm.
434.4	437.7	3.3	Moderate carbonatization-sericitization, 1/2% disseminated cpy. Rare hairline-0.5mm chlorite-carbonate vinlets with 3% wall-papered cpy. Medium angle 3-8mm white quartz-carbonate veins and random 0.5-1mm carbonate-quartz veinlets, 80vm. Rare cm concentration of fuschsite.
437.7	440.0	2.3	Fine grain, moderate sericitization and carbonatization, rare fuchsite stain. Low to medium angle, 1- 8mm carbonate-quartz veins, 80vm. High angle 8-10mm quartz-

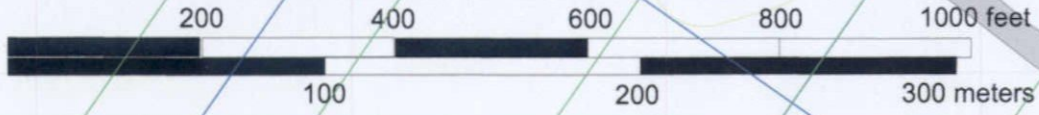
Lithology			Description
From	To	Length	
440.0	442.1	2.1	tourmaline-carbonate veins, one with 3% cpy and minor grey metallic mineral, (molybdenite-tetrahedrite). Overall trace cpy, 1/2% tourmaline.
442.1	449.3	7.2	Altered Trondhjemite
442.1	447.1	5.0	Upper 90cm same as previous with a low angle 4mm quartz-tourmaline-carbonate vein with trace cpy. Lower 60cm strong carbonatization, 1/2% tourmaline, rare cpy, one 2 x 3 cm fuchsite inclusion. Predominantly high angle hairline-3mm carbonate-quartz veins, 50vm.
447.1	449.3	2.2	Strong carbonatization and sericitization, weak high angle fabric. Complete obliteration of protolith. Trace tourmaline py, cpy and rare oxide. Medium-high angle carbonate-quartz and quartz-carbonate veins, 50vm. Rare fuchsite.
449.3	504.0	54.7	Vein Breccia - Jerome Main Zone
449.3	452.6	3.3	Upper 40cm strong carbonatization-sericitization, weak silicification, up to 10% clustered and disseminated tourmaline, trace fine grain py. Lower 60cm, very strong carbonatization-sericitization with weak high angle flow fabric and 10% mm angular black cherty fragments, V1 vein, trace py. V2 not present. V3 randomly oriented 1-3mm carbonate-quartz veins, 100vm. V4 are white-grey 3mm high angle discontinuous gash-type quartz veins. Lower 30cm is an incipient breccia with 1% fine dusty py and trace very fine grain dusty grey mineral (molybdenite).
452.6	455.0	2.4	Strong carbonatization-sericitization, 1% tourmaline, trace py. V1 occurs as 5mm x 30mm vein breccia fragments, amounting to 5%. Cut by V3 carbonate veinlets, randomly oriented, 500vm. Weak high angle possible flow fabric. Overall veining has resulted in formation of an incipient breccia.
455.0	460.0	5.0	Strong carbonatization-sericitization with minor V1, approximately 5%. 10cm of irregular flow of V2 with 10% very fine grain clustered py, high sericite content. Overall 1% tourmaline, rare fuchsite stain, trace fine grain py. Auto-brecciated by randomly oriented mm carbonate veinlets, V3, 300vm.
460.0	465.0	5.0	Sericite-carbonate veined rock. Same as previous with 20% grey-cherty quartz = V1, in high carbonatized matrix. 1/2% fine grain disseminated py, trace tourmaline and trace very fine grain grey metallic mineral (molybdenite), usually associated with quartz. 10cm high angle carbonate-quartz vein with trace tourmaline, pallasite structure.
465.0	470.0	5.0	Intense auto brecciation with mm-cm angular fragments of V1, approximately 30%, formed by randomly oriented carbonate veinlets = V3, 500vm. Minor py clusters possibly associated with sericitization and forming bifurcating concentrations possibly flow related. Typically cm size with 10% fine grain py and represent V2.
470.0	475.0	5.0	Same as previous. High angle flow fabric, minor patchy V2. High V1 content with cherty black mineral (molybdenite), and high V3, very chaotic randomly oriented with vein density of 700 vm. Minor 0.5cm clusters of very fine grain py.
475.0	480.0	5.0	Very intensive carbonatization-sericitization with 20% cherty black V1. Trace fine grain py, trace tourmaline. Where quartz exhibits stronger blue-grey colour, corresponds with increase in metallic mineral (molybdenite).
480.0	482.9	2.9	Same as previous with blue-grey quartz fragments predominant, up to 30% mm to 0.5cm fragments, indicating high grey mineral (molybdenite). Fragments are internally micro-brecciated. Trace tourmaline and very fine grain disseminated py.
482.9	485.0	2.1	Same as previous, with 30% blue grey quartz in 5-10cm masses of incipient breccia = V1. Random chaotic carbonate-quartz veins, 500vm = V3. 2cm band of high sericite with 5% tourmaline and 5% fine-medium disseminated py.
485.0	486.6	1.6	Strong carbonatization-sericitization, with high angle flow fabric. 3cm section of brecciated blue-grey quartz = V1, trace very fine grain py in the quartz and associated alteration package.
486.6	490.3	3.7	Strong carbonatization and sericitization, exhibiting a very low angle flow fabric. Low blue-grey quartz V1 material. More often as 1-2mm stringers. Trace fine grain py and tourmaline.

Lithology			Description
From	To	Length	
490.3	492.4	2.1	Same as previous. Chaotic array of strong carbonatization and sericitization and blue-grey quartz. 1-3% very fine grain disseminated py.
492.4	495.0	2.6	Strong carbonatization and sericitization, 15% blue-grey quartz vein breccia. Minor elongated-elliptical mm masses of very fine grain py. Overall, trace fine grain py and tourmaline. High carbonate veining, 500vm.
495.0	499.1	4.1	Strong carbonatization and sericitization, blue-grey quartz restricted to mm rims flanking 1-2 cm carbonate-quartz veins. Somewhat lower V3 vein count to 300vm. Trace fine grain py and tourmaline.
499.1	501.0	1.9	Same as previous. 8cm carbonate-quartz vein, containing light grey stringers of very fine grain mosaic of < 0.5mm crystal quartz and interstitial blue-grey mineral (molybdenite). This vein is cut by a quartz-tourmaline vein. Trace to 1/2% py and 1% tourmaline in the wall-rock.
501.0	504.0	3.0	Strong carbonatization and sericitization. 5mm-3cm medium to high angle carbonate quartz vein with minor tourmaline rims. High population of hairline to 1mm randomly distributed carbonate-quartz veinlets forming an incipient breccia, 500vm. Very low in blue-grey quartz. Trace fine grain py. 1/2% clustered and disseminated tourmaline.
504.0	526.4	22.4	Altered Trondhjemite
504.0	508.4	4.4	Weak carbonatization and sericitization. Transition at 504.0 is gradational. Randomly oriented 1mm-1cm carbonate-quartz veins, 200vm. Trace fine grain py.
508.4	512.8	4.4	Same as previous but with high vein density of 400vm of carbonate veining.
512.8	513.8	1.0	Moderate to strong carbonatization and sericitization, with V3 at 400vm. Strong medium angle flow fabric. Weak blue-grey quartz, rare fuchsite.
513.8	517.2	3.4	Moderate to strong carbonatization and sericitization. 0.5% tourmaline. Medium angle 4cm carbonate-quartz vein breccia with 10% angular grey quartz in fine grain carbonate-quartz matrix. Random hairline-3mm carbonate quartz veins, 300vm.
517.2	518.4	1.2	Same as previous. Randomly oriented 1mm to 5cm carbonate-quartz veins with associated black-grey quartz microbrecciated, and more commonly rimming veinlets as well as forming discrete veinlets. The larger carbonate-quartz veins although rimmed by blue-grey quartz generated a later carbonate phase that penetrated its own vein walls cutting the earlier formed grey quartz material. Blue-grey mineral (molybdenite) permeates into wall rock and has 3-5% disseminated py associated with it. Overall high angle veins.
518.4	522.4	4.0	Moderate carbonatization and sericitization. V3 veins cutting earlier V1 veins. The blue-grey mineral appears to be associated with the stringer veinlets and not larger cm veins, vein density is 400vm. Overall trace py and tourmaline. V4 are 1-3mm high angle white quartz veins.
522.4	525.0	2.6	Same as previous.
525.0	526.4	1.4	Strong carbonatization and sericitization associated with 30cm carbonate-quartz vein breccia. V1 is dark grey-blue cherty vein breccia, V3 are high density randomly oriented carbonate-quartz veins, and V4 are light grey cherty quartz veins. Strong medium angle flow fabric. 3% fine grain py associated with vein material.
526.4	549.7	23.3	Trondhjemite
526.4	529.0	2.6	Very weak carbonatization and silicification, fine grain. Random, hairline to 3mm carbonate-quartz veins and minor quartz-carbonate veins, 80vm.
529.0	530.8	1.8	Strong carbonatization and sericitization, associated with random to sub-parallel array of medium to high angle, hairline to 2cm carbonate-quartz veins and carbonate-carbonate-quartz vein breccia. 2.5cm high angle zoned vein with core of pale grey quartz breccia in a carbonate phase matrix incorporating fragments into central portion of vein. 5mm carbonate halo flanks this core and a 5mm cherty grey-blue quartz phase situated along the up hole vein margin. Trace disseminated py. These veins are cut by a low angle quartz-tourmaline vein.
530.8	535.0	4.2	Weak hematization, fine grain. Very low vein density, 10-15vm. 1% oxide, trace py.
535.0	540.0	5.0	Same as previous. One, 1cm low angle quartz-tourmaline vein. 6cm section with five high angle 1-3mm quartz-carbonate veins, all cut by low angle 2mm quartz-pyrite vein with 10% py.
540.0	543.2	3.2	Weakly hematized. Predominantly randomly oriented hairline to 1mm carbonate-

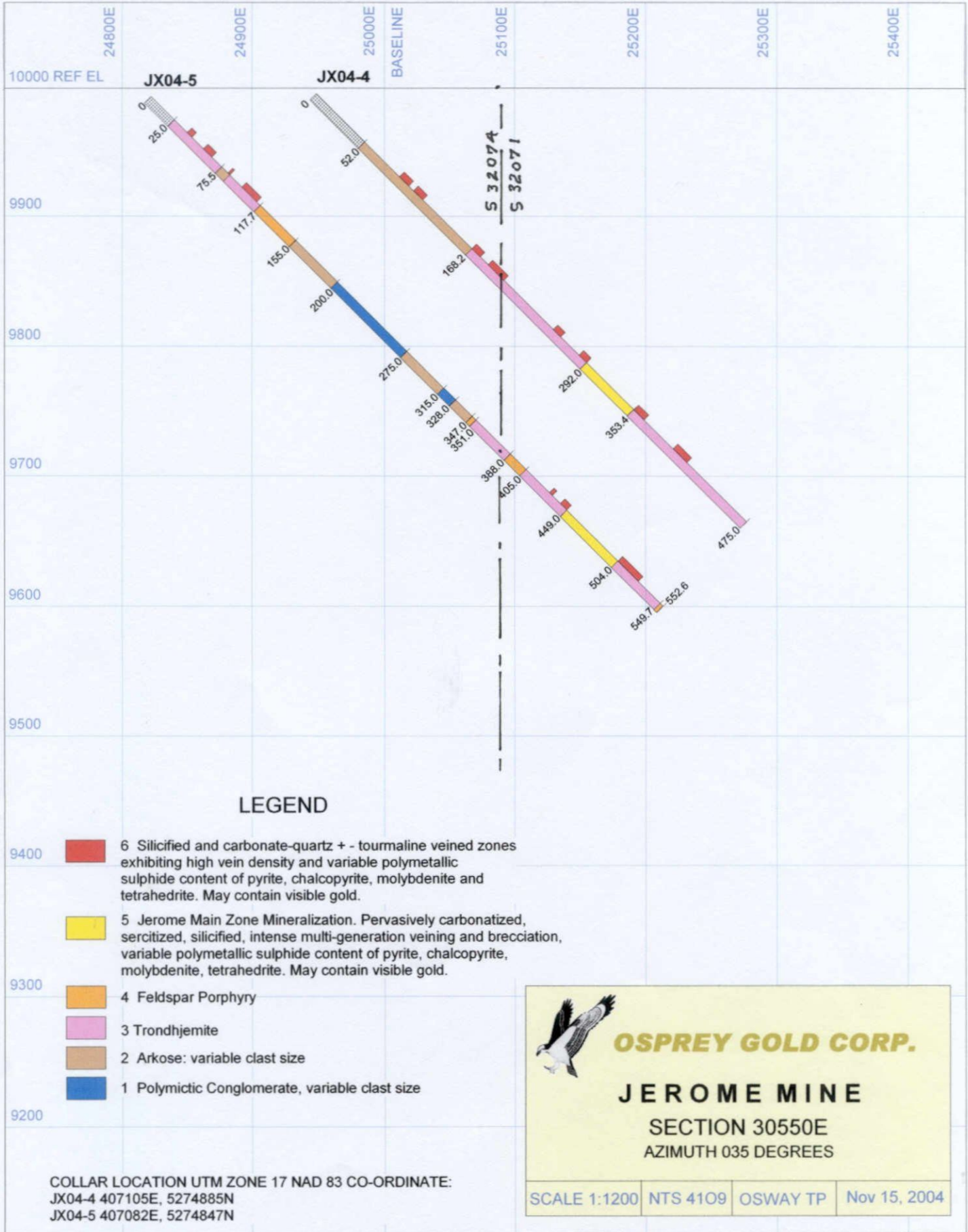
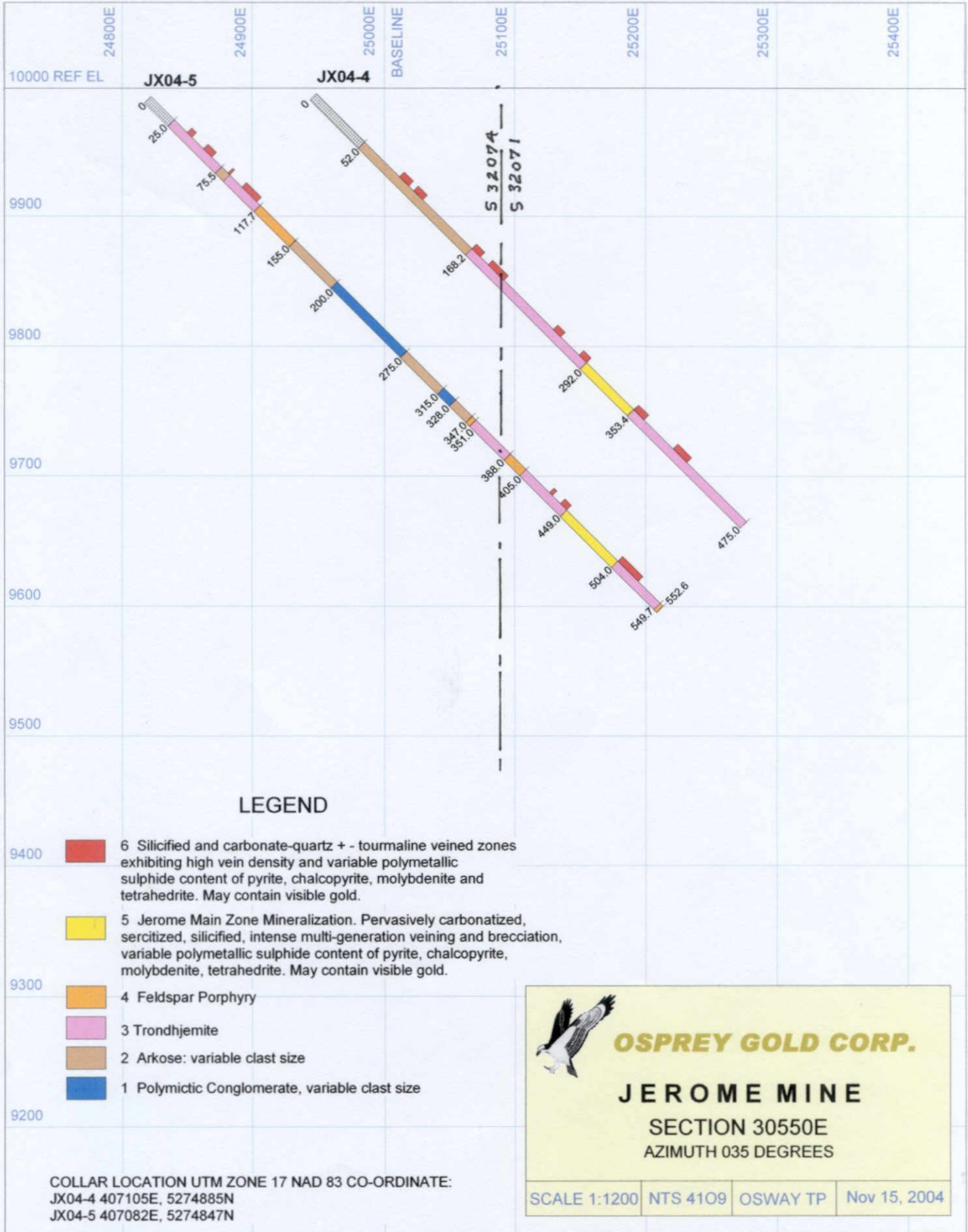
Lithology			Description
From	To	Length	
			quartz veinlets, 100vm .One medium angle multi-branching 1cm carbonate-quartz vein rimmed by tourmaline and containing grey-blue mineral (molybdenite). Late 5mm white quartz vein cuts earlier veins.
543.2	543.8	0.6	Strong carbonatization and sericitization. Low angle multi-branching carbonate-quartz vein breccia, containing mm to cm grey and blue-grey cherty quartz fragments = V1, in high carbonate matrix that has also incorporated mm to 0.5cm fragments of host rock rimmed by carbonate. Very distinct angular cherty blue quartz population approximately 15%. Trace fine grain py.
543.8	547.5	3.7	Upper 20cm strong carbonatization and sericitization associated with previously described vein. Minor vein breccia with angular cherty blue-quartz. The rest of the core is fine grain trondhjemite, with weak hematization, low vein density, 50vm.
547.5	549.7	2.2	60% is multiple cm carbonate-quartz vein breccia and ribbon to banded veins at high angle. 20% mm cherty-blue quartz fragments and 1mm ribbons in high carbonate matrix, alternating with 0.5cm grey quartz bands. 5% host rock fragments 1% disseminated and clustered fine grain py.
549.7	552.6	2.9	Feldspar Porphyry Moderate hematization and silicification, mm feldspar phenocrysts in a fine grain matrix. Rare py 1% oxide.
	552.6		End of hole.



OSPREY GOLD CORP
LOCATION PLAN DDH JX04-4,5
MINE GRID AT AZIMUTH 035 DEG
UTM GRID ZONE 17 NAD 83
SCALE: 1:2400



W. Smith



LEGEND

- 6 Silicified and carbonate-quartz + - tourmaline veined zones exhibiting high vein density and variable polymetallic sulphide content of pyrite, chalcopyrite, molybdenite and tetrahedrite. May contain visible gold.
- 5 Jerome Main Zone Mineralization. Pervasively carbonatized, sercitized, silicified, intense multi-generation veining and brecciation, variable polymetallic sulphide content of pyrite, chalcopyrite, molybdenite, tetrahedrite. May contain visible gold.
- 4 Feldspar Porphyry
- 3 Trondhjemite
- 2 Arkose: variable clast size
- 1 Polymictic Conglomerate, variable clast size

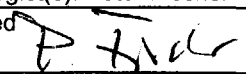
OSPREY GOLD CORP.

JEROME MINE

SECTION 30550E
 AZIMUTH 035 DEGREES

SCALE 1:1200 | NTS 4109 | OSWAY TP | Nov 15, 2004

Diamond Drill Log **OSPREY GOLD CORP**

Hole ID: JX04-6		Project: Jerome Mine	Township: Osway	Claim:
Started: June 22, 2004		UTM Zone: 17	Easting: 407093	Mine Easting: 30600
Completed: June 24, 2004		Datum: NAD 83	Northing: 5274839	Grid Northing: 24810
Core Size: BQ	Casing removed: No		Dip: -45	Azimuth: 034
Dip Tests	Footage	10	465	Length: 485 feet
	Angle	47	42	Core Units: Imperial
Topo Elevation: 1311 feet		Mine Elevation: 9991 feet	Mining Division: Porcupine	Signed 
Drilled by: Ron Kor Diamond Drilling, Sudbury, ON				

Objective: Undercut Eddy DDH-4. Hole stopped at 485 feet, possible break into 350-level.

Lithology			Description
From	To	Length	
			Note: major units in bold type, minor units in regular type.
0.0	10.0		Overburden, casing
10.0	305.0	295.0	Trondhjemite. Generally fine grained, massive, equigranular. In part porphyritic. Variable colour and alteration. Variable vein density. Common accessories are pyrite, xide, tourmaline; trace chalcopryite, tetrahedrite.
10	25	15.0	Trondhjemite, weakly altered, locally moderate-strongly altered. Colour light gray. Low vein density. Accessory pyrite, oxide, chalcopryite, fuchsite, trace chalcopryite.
10.0	11.7	1.7	Trondhjemite, as described above: light gray, weak alteration. Veining strong, 100v/m, moderate angle, incipient vein breccia. 10% cm quartz-carbonate-veins, 50TCA. One 5mm vein breccia: v3 white carbonate-quartz-matrix, hosting black v1 clasts. One 2cm quartz-carbonate ladder-vein.
11.7	14.5	2.8	Trondhjemite, similar above. Low quartz abundance, high feldspar abundance, replaced by sericite. Femags 3%. Alteration moderate-strong, sericite-carbonate. 50-100v/m, hairline to 2mm carbonate-quartz, chlorite carbonate-veins. Accessory oxide, pyrite, chalcopryite, tetrahedrite, all trace.
14.5	15.9	1.4	Trondhjemite, ditto above. Rusty, fractured. Permeated by 10-20v/m vuggy carbonate-limonite fractures, low angle.
15.9	20.0	4.1	Trondhjemite, weakly altered. In part fresh boxy feldspar altering to sericite. No quartz, low Femags. One 5cm apple green fuchsite inclusion, 30-50v/m One 2cm ladder quartz-carbonate-vein 60TCA. 1% oxide, trace-0.5% chalcopryite in hairline-veins. And vein halos
20.0	25.0	5.0	Trondhjemite, ditto above. Light gray, 1% oxide. Several high-sericite-inclusions or sulation channels. 30-50v/m. 24-35ft: fabric 40TCA. Accessory oxide, fuchsite, pyrite, pyrite all trace; chalcopryite 0.5% disseminated.
25.0	39.8	14.8	Trondhjemite, moderate to strong alteration. Moderate-strongly altered, sericite, in part silicified. Fabric and low vein density.
25.0	27.5	2.5	Trondhjemite, as described above: Light gray, high-sericite, trace fuchsite, tourmaline. Fabric moderate-strong 50TCA. Accessory oxide 1-2%, tourmaline, chalcopryite trace. Pyrite 0.5% as scattered cubes.
27.5	28.5	1.0	Trondhjemite, ditto above. Strongly altered: sericite, limonite, silicification Strong fabri 50TCA. 20-50v/m, moderate angle. 1% scattered pyrite cubes
28.5	33.6	5.1	Ditto above, light gray, strongly altered, strong fabric 50TCA. 30-50v/m, moderate angle- high angle. One 15 cm strongly silicified portion (breccia vein?) 65TCA. 1% oxide, trace pyrite, chalcopryite, fuchsite.
33.6	36.9	3.3	Trondhjemite, ditto above, strongly altered: sericite, moderately silicified. 100-200v/m, carbonate-vein stockwork. One 4cm carbonate-(quartz)-vein 60TCA, ribbon vein: v1 rim, white carbonate vein centre.
36.9	39.8	2.9	Trondhjemite, fine grained, alteration moderate: sericite, chlorite. Medium-dark gray. Fabric 50TCA. With high-sericite-tourmaline inclusions/fluid channels. 100-200v/m, hairline-chlorite veins, quartz veins, Accessory oxide, tourmaline, pyrite disseminated.
39.8	62.3	22.5	Trondhjemite and Feldspar-Porphyry , weak alteration. Light gray, low vein density, rare high-sericite inclusions/fluid channels.
39.8	45.0	5.2	Trondhjemite, light gray, 2% high-sericite solution channels, weak fabric.



040

Lithology			Description
From	To	Length	
45.0	47.8	2.8	Weak alteration: silicified, sericite, carbonate, variable sericite alteration, locally strong. 10-20v/m, moderate angle. 1-2% oxide disseminated; trace tourmaline, pyrite.
47.8	50.7	2.9	Trondhjemite, similar above, slightly porphyritic, massive. 1% oxide, trace pyrite.
50.7	55.0	4.3	Trondhjemite/feldspar porphyry, massive, porphyritic. 2-5mm feldspar phenocrysts. Colour pink gray. Alteration weak to fresh, feldspar mostly fresh. 50-100v/m: Hairline sericite-oxide joints, moderate angle, high angle. oxide 1-2% disseminated; chalcopyrite, pyrite trace, disseminated.
55.0	57.4	2.4	Trondhjemite/feldspar porphyry, mass, porphyritic, ditto above. Weak crackle breccia, sericite joints, hairline-chlorite-carbonate-veins, moderate angle-high angle. One 2-5mm vuggy quartz-carbonate-biotite-chalcopyrite-pyrite-vein low angle, parallel TCA. Oxide 1-2%, chalcopyrite, pyrite trace in veins, and disseminated.
57.4	60.0	2.6	Feldspar-porphyry, similar above, 528705. 20-40v/m. oxide trace to 0.5% chlcopyrite, pyrite trace.
60.0	62.3	2.3	Feldspar-porphyry, ditto above, cut by 20% 2-5cm wide coarse grained vein, vei: 0-20TCA: quartz-magnetite-tourmaline, trace chalcopyrite, pyrite.
62.3	62.3	2.3	Feldspar-porphyry/trondhjemite, ditto above 528705. Fresh, pink gray, weak alteration, hematite, carbonate. 20-40v/m. 1% oxide. Sharply increasing alteration intensity and fabric to following interval.
62.3	73.7	11.4	Trondhjemite, strongly altered
62.3	66.2	3.9	Weak fabric 60-70TCA, light green gray, texture obscured. Low vein density .
66.2	68.8	2.6	Trondhjemite, strongly altered, fine grained, strong sericite alteration, minor carbonate, tourmaline. 20-40v/m, moderate angle. 1% tourmaline as cm clusters. Trace oxide, trace pyrite as scattered cubes.
68.8	73.7	4.9	Trondhjemite, ditto above.
73.7	82.1	8.4	Trondhjemite, strongly sericite alteration, trace fuchsite. Low vein density, moderate angle, high angle. One 5mm quartz-tourmaline-vein 10TCA, One 20mm ladder quartz-carbonate-vein 60TCA. Oxide 1%, pyrite trace, tourmaline trace.
73.7	78.7	5.0	Trondhjemite, weakly altered
78.7	82.1	3.4	Trondhjemite. Upper 1/2 of interval decreasing alteration, increasing grain size, porphyritic texture. Change of colour from light gray to pink. Lower 1/2 strongly altered (sericite, chlorite), strong fabric 30-50TCA. 20-50v/m. accessory 1% oxide, trace pyrite, chalcopyrite disseminated. Sharp contact / transition to following 60TCA.
82.1	85.0	2.9	Trondhjemite, massive. Upper 1/2 of interval weak alteration: sericite, carbonate, chlorite. Lower 1/2 strong-moderate alteration. Sericite. 30-40v/m, low angle moderate angle, hairline-1mm quartz-carbonate veins. 5-10v/m, 5-10mm milky quartz-veins, 60TCA. Accessory oxide 0.5%, chalcopyrite trace to 0.5%, pyrite 0.5% disseminated.
82.1	85.0	2.9	Trondhjemite, strongly altered
85.0	87.2	2.2	Trondhjemite quartz eye porphyry. Quartz eyes in sericite matrix. Medium green gray, moderate fabric, moderate angle. Strong alteration: sericite, fuchsite. 50-100v/m, carbonate stockwork. In part vein breccia with 'wormy' clasts of v1, with chalcopyrite, in sericite matrix. Accessory 1% oxide, tourmaline, chalcopyrite, disseminated. Sharp increase of alteration.
85.0	95.0	10.0	Trondhjemite / sericite schist. Weak relict texture. Colour medium green gray, core soft, distinct fabric. Made up of 80% sericite, chlorite(?) and 20% carbonate veins. 100-200v/m, moderate angle. Acc: tourmaline 2%, oxide 1%, chalcopyrite 0.5-1%, pyrite trace. All disseminated.
87.2	91.1	3.9	Sericite Schist
91.1	95.0	3.9	Trondhjemite/sericite schist. 100-200v/m quartz-carbonate-veins <1-3mm; 10v/m 1cm quartz-(carbonate)-tourmaline-veins. Weak fabric 50-60TCA. Accessory: tourmaline 1%, pyrite 1-2%, chalcopyrite trace, disseminated. Tourmaline locally 5% in clusters. Texture: sericite weakly foliated. Scattered 1mm quartz eyes, stretched and broken, in part with carbonate rim.
91.1	95.0	3.9	Sericite schist/strongly altered trondhjemite, ditto above. Colour light gray

Lithology			Description
From	To	Length	
			to dark gray. Made up of 60% sericite, 40% quartz-veins, carbonate-quartz-veins. Accessory oxide, pyrite 0.5-1%, chalcopyrite 0.5-1%. One > 3 cm coarse grained quartz-carbonate-vein parallel core axis. Scattered 1mm quartz eyes. Relict trondhemite texture. Boudined quartz-magnetite veins with 5-10% magnetite. Tourmaline commonly overgrowing chalcopyrite. Chaotic carbonate-quartz-veins, contorted. Fabric weak to strong foliation or flow fabric at mm scale. Comment: High K-Al rock similar to patches interpreted as solution channels.
95.0	102.5	7.5	Trondhemite, moderate-strong alteration.
95.0	100.0	5.0	Trondhemite, light gray, fine grained, strongly altered, texture preserved. Rare quartz eyes, 0.5mm. Strong alteration, sericite, minor fuchsite. 30-50v/m. Vein breccia at 97', 20 mm vein breccia: calsts of altered trondhemite in quartz-carbonate-ladder-vein, with 2% disseminated pyrite. Total pyrite 0.5%
100.0	102.5	2.5	Trondhemite, similar above. Fabric 60TCA. Texture preserved. Alteration moderate-strongly: sericite, trace fuchsite. 30-50v/m, carbonate-quartz-veins, moderate angle. Hairline sericite joints. Accessory 1% disseminated chalcopyrite, trace tourmaline, oxide.
102.5	165.7	63.2	Trondhemite, weakly and moderately altered. Variable vein density
102.5	105.0	2.5	Trondhemite, slightly porphyritic, massive, light gray. Alteration weak to moderate, sericite, carbonate. 30-50v/m, hairline carbonate-quartz-veins, sericite-chlorite joints. 10v/m 1-3mm quartz-tourmaline-veins. Accessory trace oxide, tourmaline, pyrite, chalcopyrite, tetrahedrite, associated with veins.
105.0	110.0	5.0	Trondhemite, ditto above. Alteration weak, some fresh feldspar, 3% disseminated chlorite. 107-109' strong carbonate-alteration halo, light gray, around a 5cm carbonate-(quartz)-ladder vein 45TCA. Trace pyrite, chalcopyrite, tetrahedrite, oxide.
110.0	115.0	5.0	Trondhemite, medium gray, weak alteration to fresh, similar above. 30-50v/m. 111-114' 20v/m 5-10mm milky quartz veins, high angle. 110 - 111' vein breccia quartz veins with carbonate matrix and 1% pyrite.
115.0	120.0	5.0	Trondhemite, ditto above. Low density veins. 20-40v/m. At 116' 7cm ladder vein halos, trace pyrite.
120.0	123.7	3.7	Trondhemite, similar above, colour changing to light gray, alteration higher: Moderate sericite alteration, trace fuchsite. 50-80v/m, hairline quartz-carbonate-veins, chlorite veins. Trace chalcopyrite, tetrahedrite, disseminated and in vein halos.
123.7	125.4	1.7	Vein. Complex quartz-carbonate-vein with accessory molybdenite 1%, tourmaline 1%; chalcopyrite, sphalerite, pyrite, tetrahedrite all trace. Molybdenite occurs in older, gray, smokey quartz veins broken up by milky quartz veins. Vein 50TCA.
125.4	130.3	4.9	Trondhemite, fine grained, medium gray. Weak alteration, sericite. 20-30v/m. Two 5-10mm carbonate-quartz -tourmaline-veins, moderate angle. Trace tourmaline, chalcopyrite in veins and halos; pyrite 0.5%, in veins and very fine grained disseminated.
130.3	135.0	4.7	Trondhemite, similar above but moderate alteration. 30-50v/m, moderate angle-high angle. Three 1cm ladder veins carbonate-quartz-veins. One 2mm quartz-tourmaline-vein. Trace tourmaline, pyrite, trace chalcopyrite.
135.0	139.9	4.9	Trondhemite, similar above, weak to moderate sericite-chlorite alteration. One 3cm high-sericite-tourmaline (5-10%)- chalcopyrite (2%) solution channel. One 7cm carbonate-quartz-ladder-vein with 3cm vein breccia. 5-10v/m 10mm milky quartz-veins.
139.9	145.0	5.1	Trondhemite, medium grained, 1-2mm grain size, medium gray. Weak alteration, 30-50v/m hairline to 1 mm carbonate-quartz-veins. One 6cm quartz-(carbonate)-vein, 60TCA. Trace pyrite, chalcopyrite.
145.0	147.2	2.2	Trondhemite, ditto above. Trace disseminated pyrite concentrated at

Lithology			Description
From	To	Length	
			lower end of interval.
147.2	148.4	1.2	Trondhemite, ditto above. Cut by 3cm vein, low angle, 20TCA: quartz-tourmaline-carbonate-chalcopyrite. Tourmaline in vein 30%, chalcopyrite 2%. Total chalcopyrite 0.5%, pyrite 1-2% in halo.
148.4	151.7	3.3	Trondhemite similar above but more strongly altered: moderate alteration sericite, carbonate, pyrite. Crackle breccia? 50-100v/m hairline to 2mm carbonate-quartz-veins. 10v/m 10mm quartz-carbonate-veins moderate angle. Sericite-carbonate-pyrite matrix interstitial to feldspar grains. Pyrite 3-5%, very fine grained in sericite matrix and in vein-halos. Trace tourmaline.
151.7	154.4	2.7	Trondhemite, similar above, less pyrite, lower alteration, decreasing veining. Alteration weak, sericite, carbonate. 30-50v/m, moderate angle. trace pyrite, decreasing sharply from 151.7'. Trace chalcopyrite in 10mm quartz-vein at 154.4'
154.4	157.3	2.9	Vein. 4cm quartz-minor biotite-carbonate-vein, parallel core axis. Trace chalcopyrite.
157.3	161.9	4.6	Trondhemite / Feldspar-porphry. Medium grained, 1-2mm grain size, scattered 5-10mm feldspar phenocrysts. Colour medium gray. Alteration weak: carbonate-biotite interstitial to feldspar. Crackle breccia, 100-200v/m, moderate angle-high angle. 10v/m 2-10mm quartz-carbonate-veins. Trace pyrite, oxide.
161.9	165.7	3.8	Trondhemite, ditto above, 10-15% Femags. Weak sericite-chlorite alteration. 20-40v/m, moderate angle. Trace pyrite, chalcopyrite. Sharp gradation to following.
165.7	172.8	7.1	Altered Trondhemite or Diorite. Intermediate to mafic medium grained, foliated rock.
165.7	169.3	3.6	Diorite or altered Trondhemite. Dark green gray, foliated. Made up of 40-50% feldspar-quartz matrix. Hard. 30-40% oriented, green gray, very soft sericite-chlorite patches. 10% dark brown biotite in matrix. 1% magnetite. 30-50v/m. 0.5% disseminated pyrite. Comment: Uncertain if this rock is a diorite. Interpreted as the result of sericite-chlorite-alteration. Sharp gradational contacts on both ends.
169.3	172.8	3.5	Diorite and Trondhemite, upper 1/2 is 'diorite', lower 1/2 sericite-chlorite-rich, altered trondhemite, with preserved texture. Veins: 20-40v/m. trace pyrite, chalcopyrite.
172.8	185	12.2	Trondhemite, weak alteration. Fine grained-medium grained, light gray, weak alteration sericite, carbonate. 172.8 - 173.2' 4cm quartz-carbonate-sericite-vein 70TCA, with 10cm downhole alteration halo: 10mm biotite, 90 cm 80% sericite-chlorite rock. Carbonate-veined, with 1% disseminated pyrite.
172.8	176.8	4.0	Trondhemite, as described above
176.8	181.0	4.2	Trondhemite, ditto above. Pyrite 0.5%, chalcopyrite trace. Upper 1/4 of interval with 2-3% disseminated pyrite.
181.0	185.0	4.0	Trondhemite - Feldspar porphry. Weak alteration, ditto above. Weak crackle breccia, 100-200 veins/m, moderate angle. Minor v1. Veining. 184.5 - 185.0': 3cm vein breccia: v1 and v3. Trace pyrite, chalcopyrite.
185	196.7	11.7	Trondhemite, moderately altered Fine grained, light gray, moderate silicification and sericite alteration.
185.0	189.3	4.3	Trondhemite, fine grained, light gray, with 2% inclusions or solution channels. Alteration moderate: silicified and carbonate-sericite alteration. Possible alteration sequence: 1) sericite, 2) silicification, 3) carbonate alteration. Vague cm size, oriented Trondhemite relics in matrix of hard, high-quartz trondhemite. Veins: 100-200v/m hairline carbonate-veins, sericite joints, quartz veins, moderate angle-high angle. 10v/m 5-10mm quartz veins. Accessory: trace tourmaline l veins; trace fine grained pyrite.
189.3	193.0	3.7	Trondhemite, fine grained, slightly porphyritic. 1% opalescent blue quartz eyes. Colour dark green gray. Alteration weak to moderate sericite alteration (20% sericite). 20-40v/m. Trace pyrite, chalcopyrite.
193.0	196.7	3.7	Trondhemite, medium-dark green gray, ditto above. Moderate alteration,

Lithology			Description
From	To	Length	
196.7	261.2	64.5	20% sericite, minor carbonate. 20-30v/m, moderate angle. Trace pyrite, tourmaline. Trondhjemite, weak-moderate altered
196.7	200.4	3.7	Trondhjemite, weak alteration, weak hematite alteration. Reddish colour with cm inclusions. 20-40v/m, moderate angle, hairline chlorite veins, carbonate-quartz-veins. Rare 5-10mm quartz veins, ladder veins. Trace pyrite, oxide
200.4	205.0	4.6	Ditto above. Colour changing to green gray. Weak alteration hematite, sericite (20%). 80-150v/m. Accessory: Tourmaline, pyrite. One 5cm carbonate-quartz-breccia vein, 70TCA. V1 clasts in v3 matrix. 1% pyrite
205.0	208.9	3.9	Trondhjemite and feldspar-quartz eye-porphyry. Massive, fine grained-medium grained. Medium green gray. Moderate alteration, sericite. 50-100v/m, 1-5mm quartz-(carbonate)-stockwork and gash veins. Trace tourmaline and pyrite, disseminated and with veins.
208.9	213.0	4.1	Ditto above. Colour medium green gray. Moderate sericite alteration. 30-50v/m, 1-5mm gash veins, milky quartz. Trace tourmaline, 0.5% pyrite, rare 5cm clusters of 5% pyrite.
213.0	215.7	2.7	Vein and trondhjemite. 30% vein. Trondhjemite ditto above, cut by two carbonate-quartz-veins.: a) 30cm vein, b) 5cm vein. A) is in part vein breccia with 1/3 wall rock clasts. Breccia matrix is carbonate, with 20% gray quartz gash veins. On downhole side of vein: 5mm relic of v1 vein. Contact to wall rock high sericite (60-80%). Trace fuchsite, pyrite
215.7	220.0	4.3	Trondhjemite, dark green gray. Moderate sericite alteration. 30-50v/m; 5-10v/m 5-10mm quartz veins, carbonate-quartz-veins. Trace pyrite, chalcopyrite, associated with veins. Chalcopyrite also as 1-2 cm wide halos on veins.
220.0	225.0	5.0	Trondhjemite, medium grained. Boxy feldspar. Colour changing from dark gray to reddish. Alteration weak-moderate, sericite. 20-40v/m. oxide/ magnetite 05-1%, trace pyrite, chalcopyrite.
225.0	230.0	5.0	Trondhjemite/ feldspar porphyry. Medium gray, weak fabric 50TCA. A few feldspar phenocrysts, 1-2% inclusions (solution channels?). Weak-moderate alteration, sericite. 20-40v/m, <1 - 5mm carbonate-veins, hairline chlorite-carbonate, moderate angle. One 2cm smokey quartz vein 60TCA. Trace oxide, tourmaline, chalcopyrite. 0.5% pyrite in halos.
230.0	235.0	5.0	Ditto above. Two 3-10mm gash veins, light blueish gray (approaching chalcedony).
235.0	239.5	4.5	Trondhjemite, fine grained, with rare 0.5mm quartz eyes. 1-2% solution channels? Low vein density . Trace pyrite, chalcopyrite
239.5	243.2	3.7	Trondhjemite, ditto above. 1-2% high sericite inclusions or solution channels. Moderate sericite alteration. Low vein density. One 5mm dark gray composite vein: quartz-opaque-carbonate-magnetite. One 2cm brown silicified halo with 2% pyrite, 1% chalcopyrite around a 3mm carbonate-quartz-vein, 40TCA.
243.2	247.4	4.2	Trondhjemite, ditto above, porphyritic, medium gray. Weak fabric 50TCA. Alteration weak-moderate sericite-carbonate 30-50v/m: hairline carbonate-quartz-veins, moderate angle. 3-10mm gash quartz veins. Hairline chlorite veins parallel TCA and high angle. Accessory trace tourmaline, pyrite.
247.4	251.8	4.4	Trondhjemite, medium-dark gray, medium grained, ditto above. Alteration weak-moderate, sericite-carbonate. Veins variable: generally 20-30 veins/m. 248-250' 50-100v/m, 1-3mm quartz-(carbonate)-gash veins . Two vein systems, crossing. 1cm brown silicified halos. Accessory tourmaline, pyrite.
251.8	256.1	4.3	Trondhjemite, ditto above. 20-40v/m. Trace oxide, pyrite, chalcopyrite.
256.1	257.7	1.6	Trondhjemite, ditto above, cut by 10% 3-30mm gash-quartz-(carbonate)-veins, 10TCA. Trace pyrite, tourmaline.
257.7	261.2	3.5	Trondhjemite, ditto above, veining variable: generally 20-40v/veins. 258-260' 50-100v/m, quartz-carbonate-gash-veins, stockwork. 260-260.5' 2-3cm spacing 5mm quartz-carbonate-ladder veins with

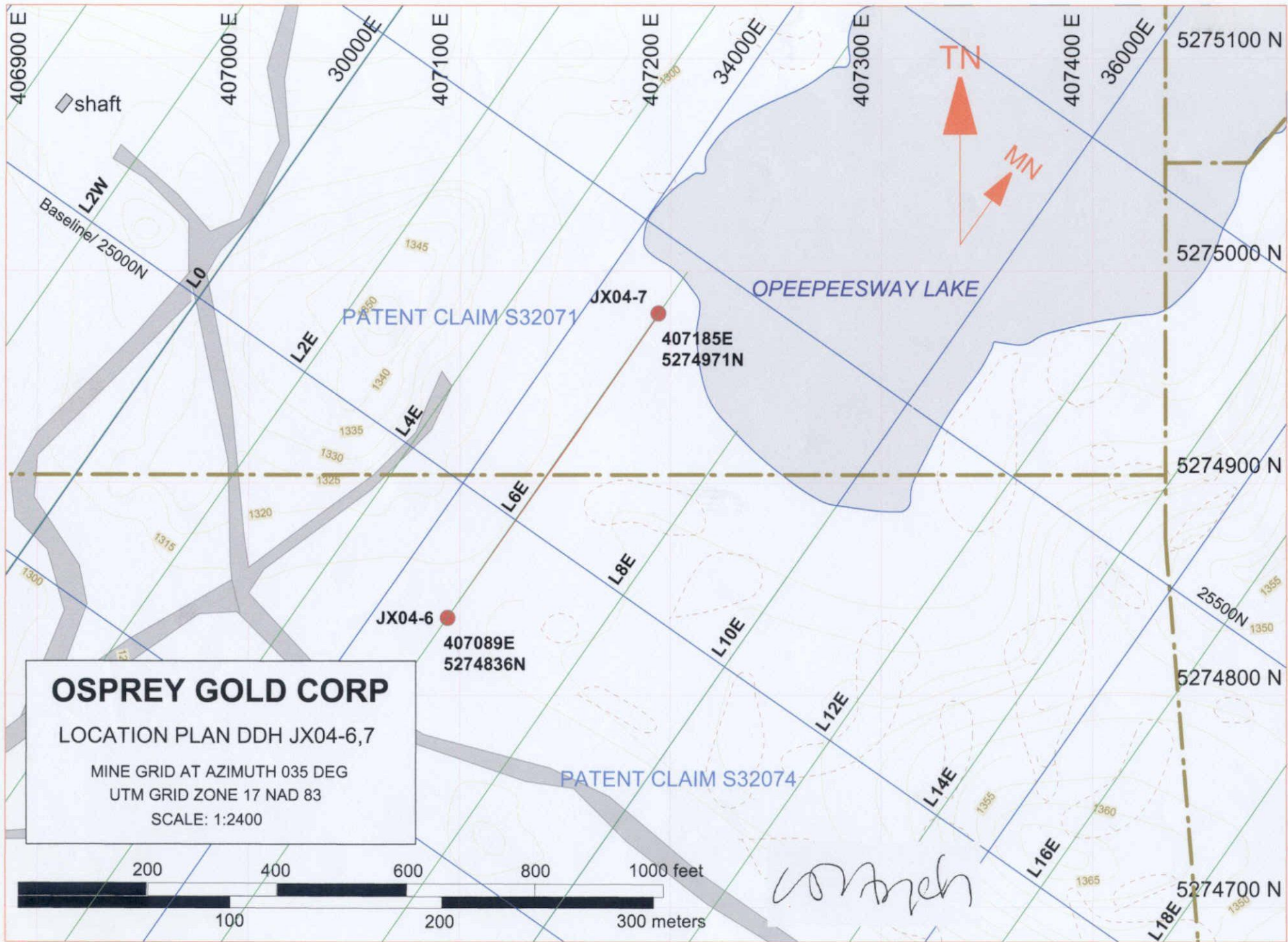
Lithology			Description
From	To	Length	
261.2	305	43.8	10cm silicified halo and 1% pyrite. Accessory pyrite, tourmaline. Trondhjemite, moderate-strong alteration.
261.2	265.0	3.8	Trondhjemite, colour light gray, fine grained, weak fabric 50TCA. Alteration moderate-strong, sericite, carbonate. 20-50v/m quartz-carbonate quartz-tourmaline, 1-3mm moderate angle. Tourmaline 1%, trace pyrite.
265.0	270.0	5.0	Trondhjemite, similar above. Colour light green gray. More tourmaline. Fabric 50TCA. Igneous texture strongly obscured. 50% sericite? 1% each tourmaline and pyrite. 30-50v/m. Pyrite as scattered 1-2mm cubes
270.0	275.0	5.0	Trondhjemite, fine grained-medium grained, medium gray. Alteration moderate, slightly less than above. 20-40v/m low angle and high angle. One 10cm composite vein 70TCA: ILder quartz-carbonate-vein with brown silicified halo 5cm and 2 cm high sericite contact zone to trondhjemite. Accessory tourmaline, pyrite, chalcopyrite.
275.0	278.8	3.8	Trondhjemite, ditto above, fine grained-medium grained, medium gray. In places cm clusters of 1-2mm feldspar phenocrysts. Alteration weak moderate, sericite, carbonate. 20-40v/m, moderate angle, hairline to 2mm carbonate-quartz-veins. Rare 3mm milky quartz veins moderate angle. Accessory trace oxide, chalcopyrite, very fine grained, disseminated.
278.8	281.8	3.0	Trondhjemite, ditto above. Medium gray, green gray. Alteration moderate sericite, carbonate. 20-40v/m, moderate angle, carbonate-quartz-veins. One 4cm ladder vein 60TCA with 2cm silicified halo on downhole side. 5-10v/m sericite-chlorite-veins with 1cm high sericite halo, low angle. Trace oxide, chalcopyrite, pyrite disseminated.
281.8	283.1	1.3	Trondhjemite, similar above with higher vein density. 10% 1-5mm high-sericite-tourmaline-veins/stringers, low angle, 20-40TCA. One 5mm dark quartz-carbonate-tourmaline vein 45TCA. Trace pyrite, tourmaline 1%.
283.1	285.0	1.9	Trondhjemite, ditto above. Alteration moderate, sericite, carbonate. Silicified. 50-100v/m, moderate angle carbonate-quartz, hairline to 2mm. 10v/m 3-5mm quartz-carbonate-veins. Trace oxide, pyrite.
285.0	289.9	4.9	Trondhjemite, ditto above. Weak fabric 60TCA. 2% blue quartz eyes, opalescent. Some fresh relict feldspar. 20-40v/m hairline to 1 mm quartz-carbonate-veins. 5-10v/m 2-5mm quartz-veins, in part with silicified halo. Trace oxide pyrite, tourmaline, chalcopyrite.
289.9	295.0	5.1	Trondhjemite, medium gray to reddish, hard. Moderate sericite alteration, weak hematite and silicification halos. 20-40v/m hairline to 1mm carbonate veins. Several brown silicified halos around quartz veins. One 5mm milky quartz vein 30TCA. Accessory tourmaline, 0.5% oxide, trace chalcopyrite.
295.0	300.0	5.0	Trondhjemite/Feldspar-porphyry. Medium grained, porphyritic. Weak fabric, 50-60TCA. Reddish gray. 2% oriented chlorite wisps. Weak hematite, carbonate alteration. 20-40v/m hairline to 2mm. Trace oxide, pyrite
300.0	302.0	2.0	Trondhjemite/feldspar porphyry ditto above. Light gray, weak alteration. One 8mm quartz vein with 4 mm magnetite patch. One 15mm carbonate vein with 4cm brown, hard, silicified halo and 2% dusty pyrite. Total pyrite 0.5%, oxide 1%.
302.0	305.0	3.0	Feldspar-quartz-porphyry (trondhjemite). 1% blue quartz eyes, slightly porphyritic, similar above. Moderate alteration, sericite, carbonate, trace fuchsite, hematite. 50-100v/m, moderate angle, carbonate-veins, sericite-tourmaline vein . 2% high sericite solution channels. 1% oxide, 1% pyrite, trace tourmaline.
305	339.8	34.8	Feldspar-Porphyry, weakly altered Feldspar porphyry (trondhjemite), pink gray, weak hematite-sericite alteration. Sericite 10-20%. Variation in grain size, fine grained-medium grained. Low vein density. Accessory oxide, pyrite, locally chalcopyrite.
305.0	309.1	4.1	Feldspar porphyry, as described above. 20-40v/m, hairline to 2mm quartz veins, carbonate-quartz-veins, sericite joints. Accessory pyrite, chalcopyrite in 2cm halo of quartz vein.

Lithology			Description
From	To	Length	
309.1	312.8	3.7	Feldspar porphyry, ditto above. 1% high sericite solution channels. Weak sericite alteration. 40-60v/m. Trace oxide, pyrite, chalcopyrite.
312.8	316.1	3.3	Feldspar porphyry, ditto. Reddish. Strongly porphyritic, fresh feldspar. 1-2% dusty, disseminated pyrite.
316.1	317.2	1.1	Feldspar porphyry, ditto above. 10% of interval consists of two 2cm quartz-tourmaline-carbonate-pyrite-chalcopyrite-veins with trace tetrahedrite. Vein 30TCA. Tourmaline in vein 10%. Total pyrite 3%. Trace chalcopyrite, tetrahedrite.
317.2	321.3	4.1	Feldspar porphyry, similar above. Colour light gray. One 4cm high sericite solution channel. 5-10v/m 1-3cm quartz-carbonate-veins, moderate angle. Weak fabric 45TCA. In one cm quartz-tourmaline-vein tourmaline is only on down hole side (topping?). Accessory pyrite, oxide, tourmaline, fuchsite, chalcopyrite. Pyrite 0.5% in veins and halos.
321.3	325.0	3.7	Feldspar porphyry, similar above. Decrease of grain size, increase of sericite alteration, quartz veins. Blue quartz eyes in fine grained trondhemite (Quartz eye porphyry?). Weak-moderate sericite alteration. 20-40v/m, 3-15mm quartz veins. Accessory tourmaline, pyrite 0.5% in vein halos. Chalcopyrite trace - 0.5%. One 2cm area with disseminated chalcopyrite.
325.0	328.4	3.4	Trondhemite and feldspar-porphyry. Fine grained, light gray, ditto above. 50-80 veins/m, hairline to 2mm carbonate-quartz-veins, moderate angle. Trace pyrite, chalcopyrite
328.4	329.0	0.6	Trondhemite, ditto above. Cut by 10% stockwork of 0.5-1 cm quartz-tourmaline-carbonate-pyrite-veins, 60-70TCA. Total pyrite 1-2%, tourmaline 0.5%.
329.0	331.3	2.3	Trondhemite, fine grained, light gray. Alteration weak-moderate. 50-100 veins/m, hairline-2mm carbonate-quartz veins. 5-10v/m 1-2cm quartz carbonate-veins with one 2cm vein breccia 60TCA. Trace py, chalcopyrite.
331.3	335.0	3.7	Trondhemite, fine grained, light gray. Alteration moderate sericite, carbonate. 30-50 veins/m carbonate-quartz-veins, moderate angle to low angle. 10-20v/m quartz-veins with pyrite, chalcopyrite. Total pyrite 0.5-1%, chalcopyrite trace, tourmaline 0.5%, all disseminated and in vein halos.
335.0	339.8	4.8	Trondhemite, fine grained, light gray, moderate sericite alteration, 20-40v/m, moderate angle. One 1cm 1-tourmaline-carbonate-vein 20TCA, 10cm crackle breccia, chloritic. Accessory tourmaline, 0.5% pyrite.
339.8	450.5	110.7	Feldspar-Porphyry and Trondhemite Various texture and degrees of alteration.
339.8	354	14.2	Trondhemite, strongly altered.
339.8	343.2	3.4	Trondhemite, fine grained, light gray, strong fabric 45TCA. Strong sericite alteration, trace carbonate, fuchsite. 30-50v/m hairline-1mm carbonate quartz-veins. One 1-2cm quartz-tourmaline-pyrite-carbonate-sericite-vein 0-5TCA. 5% pyrite in vein. 1-5mm wide halos and satellite veins with 90% sericite and accessory tourmaline. 1-2% pyrite, tourmaline, chalcopyrite.
343.2	347.5	4.3	Trondhemite, ditto above. Light gray, weak fabric 50TCA. Strong sericite alteration. 20-40v/m. One 3cm quartz-(carbonate) vein 70TCA. Accessory tourmaline, pyrite, chalcopyrite all trace.
347.5	351.6	4.1	Trondhemite, ditto above. Strong sericite alteration (minor carbonate). 20-40v/m, hairline-1mm. 5v/m 3-20mm quartz-(carbonate)-veins, moderate angle. Accessory tourmaline, pyrite 0.5% as scattered 1mm cubes. Trace chalcopyrite in vein halos.
351.6	354.0	2.4	Trondhemite, strong fabric. Colour bleached, cream. Alteration carbonate, sericite as halos around three 3-5cm carbonate-quartz-veins 70TCA. Trace fuchsite, pyrite, oxide.
354	374	20.0	Feldspar porphyry and trondhemite weak alteration.
354.0	358.2	4.2	Feldspar porphyry, medium grained-coarse grained. Colour pink gray, weak hematite alteration. Fabric 50-60TCA. Weak alteration to fresh. 20-40 veins/m, trace pyrite, chalcopyrite, oxide.
358.2	362.7	4.5	Feldspar-porphyry ditto above.

Lithology			Description
From	To	Length	
362.7	367.0	4.3	Feldspar-pyrrhotite, ditto above, medium grained, weak fabric. Trace pyrite, oxide. Decreasing grain saize to following.
367.0	370.5	3.5	Trondhemite, fine grained, pink gray. Alteration weak-moderate, sericite, carbonate. 5-10v/m 5mm quartz-(carbonate)-veins with pyrite halos. Accessory oxide, pyrite 1%.
370.5	374.0	3.5	Trondhemite, fine grained, pink. 1% high sericite solution channels. Weak alteration, 20-40v/m hairline-1mm. 5-10v/m 5mm quartz veins with chalcopyrite. Accessory oxide, pyrite, chalcopyrite (in veins), tourmaline.
374	406.9	32.9	Trondhemite weak alteration.
374.0	377.7	3.7	Trondhemite, fine grained, medium gray, equigranular. Moderate sericite alteration. Sericite rich margins of veins. 20-40v/m hairline-2mm carbonate-veins. One 5mm quartz-carbonate-pyrite-vein 30TCA. Accessory tourmaline, pyrite, chalcopyrite, all trace in vein halos.
377.7	380.6	2.9	Trondhemite, fine grained, medium gray, strongly veined. Alteration moderate, sericite. 50-100v/m 1-10mm quartz-carbonate-tourmaline-veins, low angle 10-30TCA. At 379' 30cm quartz-carbonate-veins stockwork, with 1-3cm sericite rich vein margins. Accessory tetrahedrite, pyrite, tourmaline, all trace.
380.6	385.0	4.4	Trondhemite, ditto above, moderate sericite alteration. 20-40v/m, <1-5mm carbonate-quartz-veins, quartz veins, moderate angle. Accessory oxide, tourmaline, pyrite. Oxide in quartz veins.
385.0	390.0	5.0	Trondhemite/feldspar-porphyry. Medium grained, medium gray-pink gray. Weakly silicified, weak sericite, carbonate alteration. Feldspar mostly fresh 20-40v/m <1-3mm carbonate-quartz-veins, moderate angle. Accessory oxide, pyrite, tourmaline.
390.0	395.0	5.0	Trondhemite/feldspar-porphyry, ditto above.
395.0	398.0	3.0	Trondhemite fine grained and feldspar-porphyry coarse grained. Weak fabric 50TCA. Fresh to weak alteration. Trace oxide, pyrite.
398.0	402.1	4.1	Feldspar-porphyry, pink, fresh to weak alteration, hematite, silicified? Core hard. 20-40v/m hairline to 2mm. 5-10v/m 5-10mm quartz-carbonate-tourmaline-pyrite-veins 30TCA. Oxide 1%, pyrite trace.
402.1	406.9	4.8	Trondhemite, light gray, with fabric. Alteration moderate-strong sericite. Accessory tourmaline, fuchsite. 20-40v/m 10-20% 5mm quartz veins, milky quartz stockwork. Accessory oxide, 0.5% tourmaline, trace fuchsite, pyrite, chalcopyrite.
406.9	420.3	13.4	Feldspar-porphyry weak alteration
406.9	411.2	4.3	Feldspar-porphyry, medium grained, 1-2mm grain size. Hard, pink gray. Alteration weak, silicified, hematite, carbonate. 30-50v/m hairline-2mm. 10-20v/m 5mm blueish quartz veins, high angle. Accessory oxide, 0.5% chalcopyrite in hairline veins and in halos of quartz veins.
411.2	415.8	4.6	Feldspar-porphyry, ditto above. Some dark gray quartz-biotite veins, quartz-tourmaline veins.
415.8	420.3	4.5	Feldspar-porphyry, ditto above. 50-100v/m, in part crackle breccia , white carbonate-quartz, moderate angle. One 2cm quartz-carbonate-tourmaline vein 40TCA. Accessory oxide, pyrite.
420.3	450.5	30.2	Trondhemite, moderate-strong alteration.
420.3	423.0	2.7	Trondhemite, fine grained, 1mm, equigranular, pink gray to light gray. Moderate sericite alteration. 10 cm high-sericite vein margins at 421'. 20-40v/m, <1-3mm, moderate angle. 5v/m 10-20mm quartz-carbonate veins, with high sericite halos. Accessory oxide, tourmaline, pyrite, all trace.
423.0	427.2	4.2	Trondhemite, ditto above. Moderate-strongly sericite altered. Accessory fuchsite, oxide, pyrite, chalcopyrite, all trace.
427.2	431.0	3.8	Trondhemite, ditto above. Alteration decreasing in lower half. Gradation to following.
431.0	433.7	2.7	Feldspar-porphyry, medium grained, hard, weak carbonate alteration. Fabric 60TCA. 30-50v/m. One 5mm quartz-tourmaline-pyrite gash vein parallel core axis. Trace oxide, tourmaline, pyrite.
433.7	437.3	3.6	Trondhemite, fine grained, light gray, massive. Alteration weak-moderate.

Lithology			Description
From	To	Length	
			One 5x30mm high-sericite patch (solution channel). Sericite-carbonate alteration increasing in lower 1/4. 20-40v/m, <1-3mm white quartz veins, blue gray quartz veins, moderate angle. Accessory oxide, chalcopyrite, pyrite, all trace.
437.3	438.3	1.0	Trondhjemite, similar above. Alteration strong: 70% sericite, minor fuchsite, carbonate. 5cm high fuchsite patch 50TCA. Accessory, oxide and tourmaline.
438.3	441.1	2.8	Trondhjemite, ditto above. Strong alteration, sericite, trace fuchsite. Rock approaching a sericite schist. 50-100v/m, carbonate-quartz veins, 1-2mm moderate angle. Accessory tourmaline 3%, trace pyrite, chalcopyrite.
441.1	445.0	3.9	Trondhjemite, ditto above. Vague relict texture and fabric 50TCA. Alteration strong: Sericite 80%, tourmaline 3%, pyrite 1% as 1 mm cubes, trace chalcopyrite. Comment: Rock strongly altered, not sheared. Interpreted as strong K-Al metasomatism.
445.0	448.2	3.2	Sericite rock. Fine grained, dark gray to black. Strongly altered with fabric 50TCA. No relict texture preserved. 445-446' 50-70% sericite with 20-30% magnetite. Sharp gradation to 446-448.3': Sericite-carbonate-rock with 3% to 5% tourmaline, 1% pyrite, 1% chalcopyrite. Relict trondhjemite texture.
			Veining: 30-50v/m <1 to 4mm carbonate-quartz-veins. One 1cm breccia quartz-carbonate-vein 50TCA. Accessory: Overall 3-5% tourmaline, 10% magnetite, 0.5-1% each pyrite, chalcopyrite.
448.2	450.5	2.3	Sericite rock ditto above. Two 2cm carbonate-quartz-veins, in part vein-breccia 50-60TCA. Accessory: 1% tourmaline, 1% pyrite, 0.5% chalcopyrite, all disseminated.
450.5	470	19.5	Incipient vein breccia Protolith uncertain, probably fine grained trondhjemite, sharply grading from sericite rock. Colour generally light gray, light green gray. Generally weak fabric 50-60TCA. Variable degrees of brecciation and multiple vein phases. Alteration generally silicification, sericite, carbonate with disseminated very fine grained pyrite trace - 1%, trace fuchsite, trace tourmaline.
450.5	455.0	4.5	Incipient vein breccia as described above. Fabric 60TCA. High sericite carbonate alteration. 200-400v/m, moderate angle. Fuchsite as mm-cm stringers parallel fabric. Vein material mainly v3: fine grained carbonate-quartz. Total pyrite 1%
455.0	460.2	5.2	Incipient vein breccia. Strongly veined and altered trondhjemite, similar above. Igneous texture in places preserved. Light gray, hard, silicified? In part crackle breccia. Several 5mm ribbon veins. Accessory 1% pyrite, 0.5% tourmaline, fine grained disseminated.
460.2	465.0	4.8	Incipient vein breccia, ditto above. Vein density slightly less: 100-200v/m. 10v/m 10-20mm milky quartz-carbonate-veins, 60TCA. One 15mm v1 ribbon vein 15TCA: Black, cherty with very fine grained molybdenite(?), and gray clear quartz veins. Accessory tourmaline, pyrite, trace.
465.0	470.0	5.0	Incipient vein breccia, ditto above. Strongly altered and veined trondhjemite one 3x10cm v2 patch/vein: very fine grained sericite-chlorite and 5% tourmaline, 10% very fine grained pyrite. Veining: 100-200v/m, mostly hairline to 1mm carbonate veins, stockwork or crackle breccia.
			10-30v/m 1-10mm milky quartz-carbonate-veins 50-60TCA. Accessory 1-2% pyrite disseminated, trace fuchsite.
470	477.5	7.5	Trondhjemite, Medium gray, fine grained, igneous texture preserved. Alteration moderate sericite-carbonate, silicified. Trace fuchsite. 50-100v/m. Two 1-2cm breccia veins. v3 50TCA. Accessory tourmaline, pyrite.
470.0	474.0	4.0	Trondhjemite, as described above
474.0	477.5	3.5	Trondhjemite, ditto above, approaching incipient vein breccia. Accessory 1% tourmaline, 0.5% pyrite disseminated. 5-10v/m 3-10mm gray quartz-carbonate-veins, in part ribbon veins.
477.5	481	3.5	Incipient vein breccia Similar to above, to 470'. Strongly veined and altered trondhjemite. Light green gray, fabric 60TCA. Strong sericite, carbonate alteration, trace

Lithology			Description
From	To	Length	
			fuchsite. 50-100v/m, light gray milky quartz veins, <1-10mm wide, moderate angle. One 2cm quartz-tourmaline-vein. Accessory 1% tourmaline, 1% pyrite, disseminated.
477.5	480.0	2.5	Incipient vein breccia, as described above.
481	485	4	Vein Breccia - Jerome Main Zone Comment: core strongly broken, in part rubble. Drill hole broke into old underground workings. Vein breccia made up mainly of v3, fine grained white to cream coloured carbonate-(quartz)-vein material. Minor v2 (?) as bands: Light green quartz-minor sericite-pyrite-tourmaline. 10-20% black cherty v1 as clasts . Accessory 1-2% pyrite, trace tourmaline.
480.0	483.0	3.0	Vein breccia, as described above. Sample interval 480 - 483', i.e. in part incipient vein breccia and vein breccia. Pyrite 1-2%.
483.0	485.0	2.0	Vein breccia, as described above. 10-20% black, cherty v1 as clasts in breccia. Trace molybdenite?
	485.0		End of Hole



OSPREY GOLD CORP

LOCATION PLAN DDH JX04-6,7

MINE GRID AT AZIMUTH 035 DEG

UTM GRID ZONE 17 NAD 83

SCALE: 1:2400

200

400

600

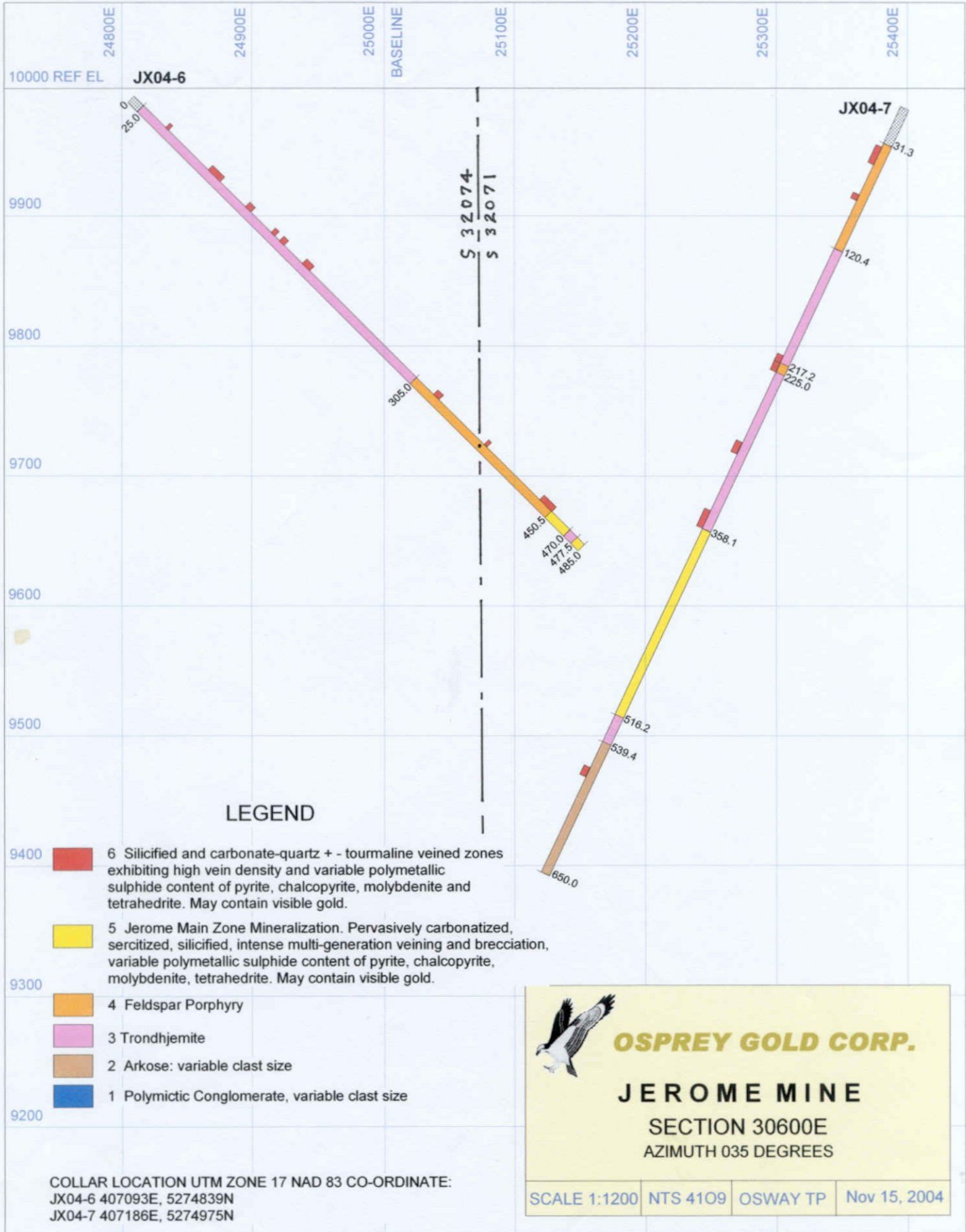
800

1000 feet

100


200

300 meters



Handwritten signature in blue ink.

Diamond Drill Log **OSPREY GOLD CORP**

Hole ID: JX04-7		Project: Jerome Mine	Township: Osway	Claim:
Started: June 24, 2004		UTM Zone: 17	Easting: 407186	Mine Easting: 30600
Completed: June 25, 2004		Datum: NAD 83	Northing: 5274975	Grid Northing: 25390
Core Size: BQ	Casing removed: No		Dip: -65	Azimuth: 214
Dip Tests	Footage	10	650.0	Length: 650 feet
	Angle	65.0	64.0	Core Units: Imperial
Topo Elevation: 1303 feet		Mine Elevation: 9983 feet	Mining Division: Porcupine	Field Easting: 600
Drilled by: Ron Kor Diamond Drilling, Sudbury, ON				Grid Northing: 390
Objective: Undercut Eddy DDH-6. Hole drilled from north to south in part to test the porphyry north of the Jerome Main Zone.				Geologist(s): Peter Fischer
				Signed: 

Lithology			Description
From	To	Length	
			Note: major units in bold type, minor units in regular type.
0.0	31.3	31.3	Overburden
31.3	120.4	89.1	Feldspar-Porphyry and Trondhjemite
			Massive, medium grained, variably porphyritic and equigranular. Colour variable, pink gray to gray. Alteration variable, generally weak alteration or unaltered. Disseminated Femags (chlorite) 1-4%. Texture of feldspar generally boxy, fine grained quartz-feldspar matrix. Veining variable, generally weak, 30-50v/m. Fracturing moderate-strong.
31.3	35.0	3.7	Feldspar-porphyry, as described above. 2% high sericite solution channels. Alteration weak. 30-50v/m, quartz veins, carbonate veins, sericite joints, hairline to 1mm, moderate angle. Accessory oxide, pyrite, chalcopyrite, all trace. Chalcopyrite in places 1-3% over 2 cm, as vein halos.
35.0	40.0	5.0	Feldspar-porphyry, ditto above. 50-100v/m, low angle, moderate angle. Rare hairline tourmaline-carbonate veins. One 3cm fuchsite patch. Strong fracturing, 30-50 fractures/m, high angle.
40.0	45.0	5.0	Feldspar-porphyry, ditto above. 50-100v/m, low angle, moderate angle. Rare
45.0	50.0	5.0	Feldspar-porphyry, ditto above. In part vuggy (leached carbonate), strongly veined 100-200v/m, strongly fractured.
50.0	55.0	5.0	Feldspar-porphyry, ditto above, weak alteration, decreasing vein density and vuggy character of veins. 30-50v/m, hairline-2mm carbonate-quartz veins, carbonate-tourmaline veins, moderate angle. Specular hematite on hairline fracture. Accessory oxide, pyrite, all trace.
55.0	60.0	5.0	Feldspar-porphyry, ditto above.
60.0	65.0	5.0	Feldspar-porphyry, ditto -8827, pink. With one 20cm red fine grained zone of silicified halo, strongly hematized around two 2cm quartz-carbonate-veins, 50TCA. Sharp gradation on both sides. 30-50v/m. Trace oxide, pyrite, hematite.
65.0	70.0	5.0	Feldspar-porphyry, ditto above.
70.0	75.0	5.0	Feldspar-porphyry, ditto above, pink, weak alteration. 1% high sericite solution channels. 20-40v/m, low angle, moderate angle.
75.0	80.0	5.0	Feldspar-porphyry, similar above. Increase in vein density, 50-100v/m. Strong fracturing. Trace oxide, pyrite, chalcopyrite.
80.0	85.0	5.0	Feldspar-porphyry, ditto above. Strong veining, strong fracturing. Trace pyrite, chalcopyrite disseminated in vein halos.
85.0	90.0	5.0	Feldspar-porphyry, ditto above. Weak fabric 45TCA. Colour light gray, slightly pink. Core rubbly, strongly fractured, with slickensides parallel core axis
90.0	92.3	2.3	Feldspar-porphyry, ditto above, pink, weak alteration, 10-15% sericite patches parallel core axis. 30-50v/m, low angle, carbonate-quartz-veins, sericite joints. Accessory 1-2% pyrite, very fine grained, disseminated, associated with sericite hairline-veins. Oxide 1%, disseminated. Slickensides parallel core axis: chlorite-molybdenite(?), pyrite.
92.3	95.0	2.7	Feldspar-porphyry, ditto above, 2% green gray high sericite-chlorite solution channels.
95.0	100.0	5.0	Feldspar-porphyry, ditto above. Variable abundance of disseminated chlorite.
100.0	103.6	3.6	Feldspar-porphyry, similar above. Weak alteration, pink. 50-80v/m: a) 1mm quartz-carbonate-sericite joints high angle b) 1-5mm blueish quartz veins, low angle,
103.6	105.7	2.1	c) 2-10mm quartz veins, 'gash veins'



Lithology			Description
From	To	Length	
105.7	110.3	4.6	Feldspar-porphyry, ditto above. Cut by 2-10mm quartz-carbonate-chalcopyrite-veins 20-30TCA. One 4mm chalcopyrite grain in quartz vein. Total chalcopyrite 0.5%. Feldspar-porphyry, ditto above. 50-80v/m, moderate angle, high angle. Strong fracturing, high angle. 5mm low angle quartz veins and low angle sericite-carbonate-veins with pyrite. Pyrite 0.5% disseminated and in vein halos.
110.3	111.0	0.7	Feldspar-porphyry, ditto above. Cut by a) one 1-2cm vein and b) one 8cm vein, high angle. Veins make up 1/2 of interval. Veins: ribbon-quartz-(tourmaline-pyrite-carbonate-veins). Tourmaline as 2 thin bands. High-sericite zone 1-5mm, on vein margins. Trace oxide in veins, trace pyrite.
111.0	115.0	4.0	Feldspar-porphyry, ditto above. With one low angle sericite-pyrite-vein. Accessory oxide, pyrite 1%, chalcopyrite trace.
115.0	120.4	5.4	Feldspar-porphyry/trondhjemite, ditto above, mostly pink gray, weak alteration. Strongly fractured. Several vuggy 1-2mm veins. Pyrite 1%, disseminated.
120.4	163.6	43.2	Trondhjemite
120.4	125.0	4.6	Massive, fine grained-medium grained, equigranular. Variable colour and alteration, veining. Trondhjemite, pink, fine grained, core solid, not fractured. Eqigranular. Alteration weak-moderate, sericite. Low vein density, 20-40v/m, hairline, carbonate-quartz, sericite joints, 1-5mm quartz-carbonate-veins, moderate angle, high angle. Accessory oxide, pyrite all trace.
125.0	130.0	5.0	Trondhjemite, ditto above. Mixed fine grained trondhjemite and medium grained feldspar-porphyry, 2 : 1, grading into each other. Weak alteration. 20cm sericite-crackle breccia, mm-spacing. One 20cm carbonate-(quartz)-pyrite-vein high angle. Trace oxide, pyrite.
130.0	135.0	5.0	Trondhjemite, ditto above. Three 5-25mm carbonate-quartz-tourmaline-veins, low angle. Trace pyrite.
130.0	135.0	5.0	Trondhjemite, increasing alteration, veining. Fine grained, massive, pink-green gray. Alteration weak-moderate: Hematite, sericite. 50-80v/m. Accessory pyrite as 1mm cubes associated with hairline veins.
138.3	140.6	2.3	Trondhjemite, fine grained, light green gray (pink relics). Alteration moderate-strong sericite-carbonate. One 2cm 65tCA complex vein, with fabric: Carbonate-sericite-quartz-tourmaline. Accessory tourmaline, pyrite, all trace, disseminated.
140.6	142.2	1.6	Trondhjemite, fine grained, pink, weak alteration. Decreasing alteration. 10% sericite. One colloform 15mm quartz vein, parallel core axis, 15mm. Trace pyrite, tourmaline.
142.2	144.6	2.4	Trondhjemite, fine grained, weak alteration sericite, hematite. 50-100v/m white quartz-carbonate-veins, high angle; 20-40v/m, low angle carbonate stockwork, black v1 and light gray v3. V1 1-10mm. Blueish quartz veins with chalcopyrite, tetrahedrite, trace molybdenite. V3: breccia vein matrix, light gray, fine grained carbonate-quartz. V4 white ladder carbonate-quartz-veins with trace chalcopyrite . Accessory tourmaline, tetrahedrite, molybdenite all trace. Chalcopyrite 0.5% chalcopyrite abundance in v1 veins 1-3%, molybdenite 1-3%.
144.6	146.6	2.0	Trondhjemite, ditto above. Stockwork of milky quartz veins. 1mm quartz-tourmaline-veins. Two 1cm and 3cm veins-breccia, low angle to moderate angle: v1 with tetrahedrite, molybdenite(?), pyrite; v2 90% sericite, 5% tourmaline; v3 fine grained carbonate-quartz. One 4cm dark gray high-sericite-tourmaline solution channel. Pyrite 0.5%. Trace chalcopyrite, tetrahedrite in veins.
146.6	148.0	1.4	Trondhjemite or incipient vein breccia. Pink, weak-moderate alteration, strongly veined. 50-100v/m, stockwork, moderate angle, high angle, 1-10mm v3. Minor v2 (high sericite, tourmaline). Trace tourmaline, pyrite. Minor v1.
148.0	153.0	5.0	Trondhjemite, fine grained, weak alteration, sericite, hematite, colour reddish. 30-50v/m. 10v/m 5-20mm milky-blueish quartz-(carbonate)-veins and vein-breccia, low angle. Moderate angle. One 2cm quartz-tourmaline-vein 60TCA. Accessory pyrite, chalcopyrite trace; tourmaline 1% in veins.
153.0	154.1	1.1	Trondhjemite, ditto above. 10-20v/m, stockwork of quartz-gash veins parallel to core axis. Blueish quartz veins with dusty chalcopyrite and 10% yellow carbonate (ankerite), with 5% chalcopyrite, 1% tetrahedrite, 1% molybdenite. Total chalcopyrite 1%.
154.1	155.8	1.7	Trondhjemite, ditto above, fine grained, reddish, weak alteration. 10-20v/m

Lithology			Description
From	To	Length	
			stockwork, low angle, of blueish quartz veins with chalcopyrite, tetrahedrite, molybdenite(?). Total chalcopyrite 0.5-1%
			Trondhjemite, ditto above. Trace chalcopyrite, pyrite
			Trondhjemite, ditto above. Cut by one colloform 1cm quartz-tourmaline-vein parallel core axis. Trace pyrite.
163.6	169.9	6.3	Trondhjemite, moderate to strongly altered
163.6	166.8	3.2	Trondhjemite, similar above but strongly altered: Sericite, chlorite(?). 30-50v/m carbonate-quartz-veins, stockwork. At 64' 10-20cm portion (halo on quartz-vein) of black, high-sericite with dusty black opaque interfingering at mm scale with reddish weak altered trondhjemite. 1/2 of interval made up of high sericite patches, solution channels? Trace pyrite in quartz veins.
166.8	169.4	2.6	Trondhjemite, ditto above. Light green gray with red relicts. Alteration moderate-strong, sericite. 20-40v/m. Pyrite 1%, specular hematite in hairline-veins.
169.4	169.9	0.5	Trondhjemite, ditto above. 30% of interval are quartz-tourmaline-gash-veins, 1-2cm, 40TCA. Total tourmaline 5%
169.9	217.2	47.3	Trondhjemite weakly altered.
169.9	175.0	5.1	Trondhjemite, fine grained, pink-reddish. Weak alteration, sericite. 174-175, strong sericite alteration. 40-60v/m, 1-2mm carbonate-quartz-veins, high angle. 10v/m 2-5mm milky quartz veins, low angle. Trace tourmaline, 0.5% pyrite.
175.0	177.6	2.6	Trondhjemite, ditto above.
177.6	181.2	3.6	Trondhjemite, in part porphyritic, similar above. Trace oxide, pyrite.
181.2	184.3	3.1	Feldspar-porphyry, medium grained, pink, 2% hi- sericite solution channels. Alteration weak, carbonate, sericite. 10-20v/m 1-3mm quartz-carbonate-veins, high angle moderate angle. Trace oxide, pyrite, chalcopyrite. Sharp gradation
184.3	188.8	4.5	Feldspar-Porphyry, ditto above.
188.8	193.6	4.8	Trondhjemite, fine grained, massive, pink. Weak sericite alteration. Low vein density, sericite-quartz-veins, quartz-sericite-TCA-carbonate-veins.
193.6	198.5	4.9	Trondhjemite, feldspar-porphyry, 1 : 1, dm portions, gradational contacts. 20-40v/m hairline veins, 5-10v/m 2-10mm quartz-carbonate-veins. Oxide 1%, trace pyrite.
198.5	202.3	3.8	Trondhjemite, fine grained, medium gray. Moderate-strongly altered, sericite-chlorite? 20-40v/m. Trace oxide, pyrite, tourmaline.
202.3	205.0	2.7	Trondhjemite, ditto above, igneous texture preserved. Fresh to weak alteration. Silicified? Very low abundance of Femags. One 2cm quartz-tourmaline-pyrite-vein, moderate angle. Trace oxide, pyrite, tourmaline.
205.0	208.4	3.4	Trondhjemite, in part porphyritic. Gray, medium grained. Weak alteration, carbonate, biotite, chlorite. 30-50v/m. 1% oxide.
208.4	211.4	3.0	Trondhjemite, ditto above. One 15mm quartz-carbonate-vein, tops up-hole.
211.4	212.6	1.2	Trondhjemite, ditto above -870. Weak alteration, medium gray. One 5-10mm blue quartz-carbonate-sulphide vein: 3% each chalcopyrite, tetrahedrite, galena or arsenopyrite. Trace molybdenite. Total chalcopyrite in sample interval 1%.
212.6	215.0	2.4	Trondhjemite, ditto above -870. 40-60v/m hairline to 2mm carbonate-quartz-veins. 10v/m 2-5mm blueish quartz-veins, low angle. Trace pyrite.
215.0	217.2	2.2	Trondhjemite, ditto above, fine grained, medium gray, 50-100v/m, trace pyrite
217.2	225.0	7.8	Feldspar-Porphyry
217.2	217.8	0.6	Feldspar-porphyry, grain size 1-2mm, medium gray. Weak carbonate alteration . 50-100v/m, moderate angle-high angle. One 10-15mm. Quartz vein with 1% chalcopyrite, tourmaline, 25TCA.
217.8	220.0	2.2	Feldspar-porphyry, similar above. Colour pink gray to medium green gray. Alteration weak-moderate, sericite, chlorite(?). High vein density, 50-100v/m, high angle. 50-10v/m 3-5mm quartz-(carbonate)-veins, low angle. Trace pyrite, chalcopyrite, associated with veins .
220.0	225.0	5.0	Feldspar-porphyry, similar above. Gray, hard. Texture obscured. Alteration weak silicified, sericite. 30-50v/m, moderate angle. Trace oxide, pyrite. Sharp gradation .
225.0	285.0	60.0	Trondhjemite, weak alteration.
225.0	230.0	5.0	Trondhjemite, fine grained, medium gray, hard, massive. 3-5% dissem chlorite , igneous texture. Weak alteration, carbonate, sericite. 40-60v/m, moderate angle,

Lithology			Description
From	To	Length	
230.0	235.0	5.0	hairline carbonate-veins, biotite-quartz-veins. 10v/m 4-10mm quartz veins, low angle. Trace oxide, pyrite, chalcopyrite in veins.
235.0	238.4	3.4	Trondhjemite, ditto above, hard. High quartz abundance. Alteration weak or silicified. 50-80v/m, high angle. One 5mm quartz vein low angle. Trace pyrite.
238.4	239.0	0.6	Trondhjemite and feldspar-porphyry. Mixed sample intervals. One sharp contact between trondhjemite and feldspar-porphyry 30TCA. Alteration in both weak/fresh. Low vein density 20-40v/m. Trace oxide, pyrite.
239.0	242.6	3.6	Trondhjemite, similar above. Cut by two 3cm quartz-carbonate-tourmaline veins 60TCA. Trace pyrite.
242.6	245.0	2.4	Trondhjemite, ditto above, slightly porphyritic. Rare boxy feldspar, rare quartz eyes. Fresh, weak alteration. 30-50v/m, high angle.
245.0	248.3	3.3	Trondhjemite, ditto above. Trace oxide, pyrite, chalcopyrite.
248.3	251.2	2.9	Trondhjemite, ditto above. One 2cm carbonate-biotite vein, low angle. One 4cm vein breccia, light gray, 50TCA. Matrix fine grained carbonate (quartz), v3, hosting wall rock clasts. Trace pyrite.
251.2	253.1	1.9	Trondhjemite, ditto above. 50-80v/m, carbonate -quartz-veins, high angle. One 10mm milky, blueish quartz vein, colloform, parallel core axis. Vein is in part micro-faulted (reverse-faulting), i.e. its thickness duplicated. Trace pyrite.
253.1	254.5	1.4	Trondhjemite, ditto above, lower vein density. One 5mm colloform blueish quartz vein. One crystal quartz-carbonate-biotite-vein, low angle. Trace pyrite, oxide
254.5	258.0	3.5	Trondhjemite, ditto above, weakly altered to fresh, 20-30v/m. Trace pyrite. One 15mm blueish quartz vein 10TCA.
258.0	262.1	4.1	Trondhjemite, ditto above. One 4cm dark gray, high-sericite solution channel. 20-30v/m. One 15mm blueish quartz vein parallel core axis, off set by high angle hairline vein - microfault. Trace pyrite.
262.1	265.0	2.9	Trondhjemite, ditto above. One 5mm blueish quartz vein low angle.
265.0	268.8	3.8	Trondhjemite, ditto above. Several 5 to 20mm quartz-carbonate-veins and quartz-biotite-carbonate-veins. Trace pyrite.
268.8	271.3	2.5	Trondhjemite, ditto above. Well developed boxy feldspar. Silicified? Hard. 30-50v/m high angle. 5v/m 5mm low angle quartz-(carbonate)-veins. Several 2cm brownish hard, silicified halos with 1% disseminated pyrite. Halos around high angle veins. Total pyrite trace.
271.3	275.0	3.7	Trondhjemite, ditto above. High quartz abundance(silicification). Hard. Weak alteration. Low vein density, moderate angle. One 3cm vein-breccia, 10TCA. Vein-breccia matrix light gray, fine grained, hard carbonate-quartz (v3). Hosting wall rock clasts; and cut by gray quartz veins (v4). One later crystal quartz-carbonate-biotite-vein 10TCA. 1 cm halo with 1% disseminated pyrite.
275.0	277.0	2.0	Trondhjemite, ditto above. 10v/m 3-5mm gray quartz veins, high angle-moderate angle. 274-275' incipient vein breccia with one 4cm vein-breccia 70TCA. Trace pyrite.
277.0	278.8	1.8	Trondhjemite, similar above. 40-8-veins/m, 1-5mm quartz-carbonate-gash veins, low angle to moderate angle, approaching incipient vein breccia. One 4mm quartz-carbonate-biotite-vein 20TCA with 3mm chalcopyrite grain. Total chalcopyrite trace.
278.8	280.5	1.7	Trondhjemite, ditto above. 5v/m 3-10mm blueish quartz veins, low angle.
280.5	285.0	4.5	Trondhjemite, ditto above, 30-50v/m hairline - 1mm veins. 10-20v/m 3-5mm. blueish quartz gash veins, low angle.
285.0	295.0	10.0	Trondhjemite, ditto above. 10v/m v3 veins, high angle. Three 2cm veins-breccia wedges, low angle, cut off by micro faults high angle. Pyrite 0.5%, disseminated in vein halos.
285.0	290.0	5.0	Trondhjemite, moderate alteration
290.0	295.0	5.0	Trondhjemite, similar above, with increased vein density and alteration, sericite, silicified? Hard. 100-200v/m, hairline -1mm, carbonate veins, carbonate-quartz-veins. Weak crackle breccia. 10v/m vein breccia, 3-10mm, low angle. Trace pyrite.
295.0	347.3	52.3	Trondhjemite, ditto above, hard, silicified. Vein-breccia: Two 10-15cm portions of vein breccia, 60TCA at 291' and 293.5'. Carbonate matrix with wall rock clasts, weak fabric. Decrease of alteration and veining downhole.
			Trondhjemite, weak alteration.

Lithology			Description
From	To	Length	
295.0	300.4	5.4	Trondhjemite, fine grained, dark gray, weak alteration. 30-50v/m hairline-1mm veins. 10-20v/m 2-5mm cream coloured fine grained carbonate-quartz-veins (v3?), high angle to low angle. Trace pyrite.
300.4	302.5	2.1	Trondhjemite, ditto above, slightly porphyritic. Strong veining. 10cm milky quartz vein parallel core axis. Stockwork, gash veins.
302.5	305.0	2.5	Trondhjemite, ditto above. Weak-moderate sericite-alteration and silification. strong veining: 100-200v/m, hairline-1mm carbonate-veins, sericite-carbonate-veins. One 15 cm vein breccia: v3 matrix. Vein breccia 10% of interval. Stockwork of 1cm milky quartz veins, high angle and low angle. Trace pyrite.
305.0	310.2	5.2	Trondhjemite, ditto above. Lower vein density. In centre of interval 2ft of 100-200 veins/m, in part vein breccia, 60TCA. Trace pyrite. Last 10cm sharp increase of alteration intensity (sericite).
310.2	315.0	4.8	Trondhjemite, ditto above, light gray, with fabric 30-40TCA. 310-312' strong alteration, sericite. 312-315' weak alteration, high-quartz (silicified).
315.0	318.5	3.5	Trondhjemite, ditto above. Low vein density. Trace pyrite
318.5	321.4	2.9	Trondhjemite, ditto above, with 30cm high sericite alteration halo 30TCA around cm quartz veins. Trace pyrite in high sericite halo, trace tourmaline.
321.4	325.0	3.6	Trondhjemite, ditto above with 50% vein breccia, high sericite halo on vein breccia, with tourmaline. Vein breccia 2-10cm, 20TCA, matrix v3, fine grained carbonate-quartz vein. Clasts angular, wall rock. Distension.
325.0	330.0	5.0	Trondhjemite, similar above. Weak fabric or lineation. Alteration: 325-327' moderate-strong, sericite, tourmaline (cm clusters of 3-5% tourmaline). 327-330' weak alteration. Low vein density. 50-10v/m 5-10mm carbonate-quartz-veins, coarse grained v3, moderate angle.
330.0	335.0	5.0	Trondhjemite, ditto above. One 15mm milky blueish quartz vein low angle. One 3cm dark brown, soft inclusions, chlorite-sericite (solution channel?)
335.0	337.1	2.1	Trondhjemite, ditto above, weak alteration, sericite, trace fuchsite. One 10mm quartz -(biotite-carbonate) vein low angle. With 5cm bleached halo with trace fuchsite.
337.1	340	2.9	Trondhjemite, ditto. Fine grained, weak alteration. 30-50v/m, hairline to 1mm carbonate-quartz veins; dark sericite-chlorite(?) hairline veins.
340.0	343.1	3.1	Trondhjemite ditto above. 2% high-sericite solution channel. One 5mm milky quartz vein parallel core axis, off-set by a series of en-echelon microfaults.
343.1	347.3	4.2	Trondhjemite, ditto above. Light gray, core hard. Weak silicification? Weak sericite-carbonate alteration. 50-100v/m, moderate angle. One 30cm vein breccia and incipient vein breccia zone 344.5-345.5, moderate angle, trace pyrite. Trace pyrite, tourmaline.
347.3	358.1	10.8	Trondhjemite, moderate-strong alteration
347.3	350.0	2.7	Trondhjemite, fine grained, light gray. Core solid, medium hard. Relict igneous texture. 1mm grain size. Some oriented high sericite -tourmaline solution channels. Weak fabric 40TCA. Alteration moderate-strong, sericite, carbonate. 50-100 veins/m moderate angle, hairline-1mm carbonate-quartz veins. Two cm-dm vein breccias: a) 344', 5-8cm, 60TCA, v3 matrix with wall rock clasts and 3cm high-sericite halo. b) 349-350' vein-breccia and incipient vein breccia, 20-40TCA. V3 matrix. Trace pyrite, tourmaline.
350.0	351.3	1.3	Trondhjemite, ditto above, moderate-strong alteration. Accessory 1% pyrite disseminated and in two 10mm pyrite-tourmaline vein halos, 5% each. Tourmaline as sub-parallel, fine sstringers, 45TCS. Total tourmaline 1%
351.3	355.0	3.7	Trondhjemite, ditto above. Core hard. Moderate-strong silicification, sericite-carbonate-alteration. Strong veining, 100-200v/m. Stockwork of light gray, cream coloured, fine grained carbonate-quartz-veins (v3). Several 1-3cm breccia-veins, A few 1-2mm quartz-tourmaline-pyrite-veins. One 10mm white quartz-tourmaline-vein 30TCA. Accessory tourmaline, pyrite, fuchsite.
355.0	358.1	3.1	Trondhjemite, ditto above. Stockwork of v3, 1-10mm wide, incipient vein breccia . Thin dark gray v1 margins. Some 1mm high pyrite-tourmaline vein margins. Fuchsite 1%.
358.1	362.7	4.6	Incipient vein breccia

Lithology			Description
From	To	Length	
			Incipient vein breccia, light gray, weak fabric 30-40TCA. Matrix v3, fine grained carbonate-quartz with younger ladder quartz veins. Clasts a) trondhjemite wall rock clasts, angular b) 1/4 black cherty v1 clasts. 1% high-pyrite stringers; 1% fuchsite. Total pyrite 0.5-1%.
360.3	361.2	0.9	Incipient vein breccia, ditto above, but 80% v3 matrix, 20% small clasts: wall rock, rare v1. Trace pyrite, tourmaline.
361.2	362.7	1.5	Incipient vein breccia. Trondhjemite strongly altered (sericite, carbonate), strongly veined. Vein density 100-200v/m, hairline to 10mm. Vein angles high angle, to low angle. At end of interval 3cm vein-breccia with ribbon veins and 5% fuchsite, 10% black v1 clasts.
362.7	364.4	1.7	Incipient vein breccia, ditto above. Trondhjemite, strongly altered, light green gray, strongly veined. 200-300v/m, mm-spaced, carbonate-vein-stockwork, random orientation. Two 1-3cm wide vein-breccia zones, low angle, 'pinch and swell'. 10% dark gray v1.
362.7	369.0	6.3	Vein Breccia, Jerome Main Zone
364.4	365.3	0.9	Vein breccia. Weak fabric, 40TCA. Mostly v3 matrix (fine grained carbonate-quartz). Clasts: Minor v2 (pyrite-tourmaline) as high-pyrite-stringer; 10% v1. Overall 60-80% carbonate. Pyrite as discrete stringers, total 2-3%. Late quartz veins (v4?), mm, 45TCA.
365.3	369.0	3.7	Incipient vein breccia. Strongly veined trondhjemite. Strong sericite-carbonate-alteration. 100-200v/m, high angle-moderate angle. 5-10% v1, low angle, forming stockwork. One low angle, 'wall-papered' ribbon vein, with pyrite. Total pyrite 1-2% in vein halos. Trace tourmaline, tetrahedrite in late v4 quartz veins.
369.0	399.6	30.6	Incipient vein breccia, Jerome Main zone
369.0	373.4	4.4	Incipient vein breccia, similar above, less veining. 100-200v/m, random stockwork. At upper 10cm: 5cm wide vein breccia, dark gray, 45TCA, v3 matrix with v1 clasts. Accessory 1-2% disseminated fine grained pyrite in altered trondhjemite, in halos.
373.4	376.5	3.1	Trondhjemite, strongly veined and altered, similar above. 10v/m 5-10mm a) ribbon veins, dark gray-light gray, b) ribbon ladder carbonate-quartz-veins, c) v3. Accessory tourmaline 0.5%, pyrite 2-3%.
376.5	379.2	2.7	Trondhjemite, similar above. Colour pink-green gray, light gray. Moderate alteration, chlorite-carbonate. 50-100v/m, carbonate-veins, carbonate-quartz-veins, rare quartz-tourmaline veins. Minor v1. Vein stockwork moderate angle-high angle. Feldspar fairly fresh, minor sericite. Accessory 1% disseminated pyrite, trace tourmaline, chalcopyrite. Rare 1mm light gray sericite patches with 5% chalcopyrite, very fine grained.
379.2	382.0	2.8	Trondhjemite/incipient vein breccia. Alteration moderate, light green gray. 100-200 veins/m. Strong low angle stockwork of cm wide, ribbon dark gray vein system. Outer zone dark gray, v1. Centre of veins light gray. Pyrite 1-2% disseminated in trondhjemite wall rock. Tourmaline 1-2%, concentrated in 2cm quartz-tourmaline vein.
382.0	383.8	1.8	Trondhjemite, incipient vein breccia, ditto above. 10cm wide ribbon dark gray vein stockwork, low angle; and cm v3, moderate angle. 1% disseminated pyrite.
383.8	384.4	0.6	Vein. 20cm cream coloured, ribbon carbonate-(quartz)-vein, moderate angle, in part ladder veins with wall rock clasts. Trace tourmaline.
384.4	385.4	1.0	Vein, zoned, ribbon, dark gray-light gray cherty carbonate-quartz-vein. In part brecciated. V1 in v3 matrix. 1-3% pyrite. Contact to following 30TCA.
385.4	387.6	2.2	Trondhjemite, minor fuchsite. Strongly altered (sericite). 200-400v/m, carbonate vein-stockwork. 1% pyrite, 0.5% tourmaline.
387.6	388.3	0.7	Trondhjemite/incipient vein breccia. Fabric 40-50TCA. 50% of interval cream coloured vein breccia. Bands and clasts of v1. Matrix 80% carbonate. Trace fuchsite, 0.5% disseminated pyrite.
388.3	389.4	1.1	Incipient vein breccia, trondhjemite, ditto above. Increase blueish quartz in breccia matrix. 200-300v/m carbonate veins, hairline-1mm. 0.5% tourmaline, pyrite.
389.4	390.7	1.3	Incipient vein breccia, ditto above colour medium blue gray and cream. Strong silicification (hard, high-quartz). High vein density 200-400v/m. 1% pyrite, 0.5% tourmaline, chalcopyrite. Rare 1mm light gray sericite patches with 5% chalcopyrite.
390.7	391.5	0.8	Incipient vein breccia/trondhjemite, ditto above. Strong fabric 45TCA. 50%

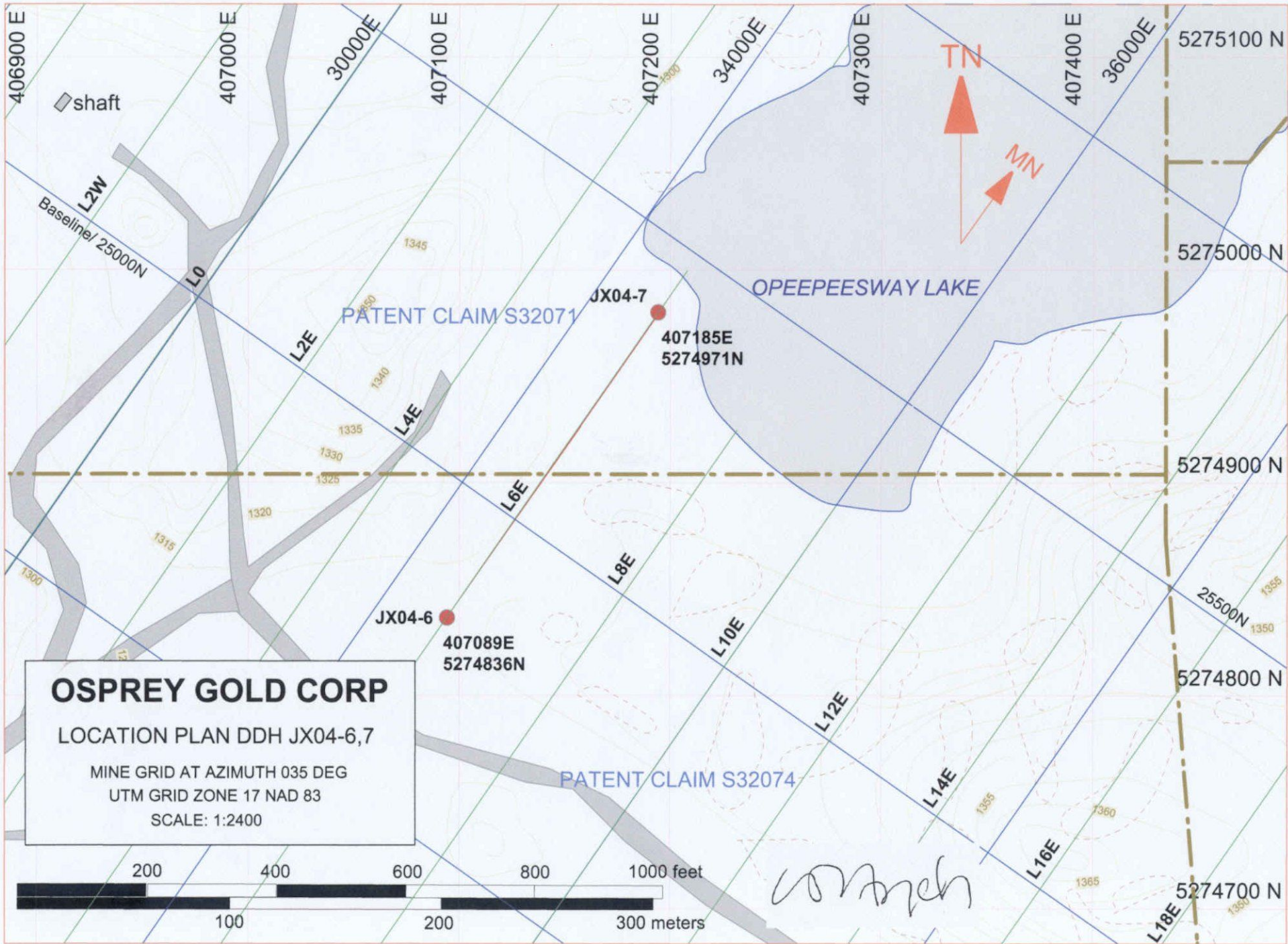
Lithology			Description
From	To	Length	
			carbonate-(quartz) vein material, v3. 50% relicts of silicified trondhemite as rafts, clasts. Trace tourmaline, pyrite.
391.5	395.6	4.1	Incipient vein breccia, trondhemite, ditto above. In part crackle breccia.
395.6	396.5	0.9	Trondhemite, light green gray, strongly altered: Silicified, sericite, carbonate. 100-200v/m, stockwork. Accessory 3-5% tourmaline, coarse grained, as clusters, 0.5-2mm crystals. Pyrite 0.5-1% very fine grained, disseminated.
396.5	397.8	1.3	Incipient vein breccia, ditto above. Trondhemite strongly altered and veined, moderate angle-high angle. 10% blueish dark gray, cm wide veins/stockwork. Accessory trace tourmaline, 0.5% disseminated pyrite, very fine grained.
397.8	398.0	0.2	Incipient vein breccia (Trondhemite), similar above. With 20% dark gray cherty v1 veins: Ribbon veins, permeated by 200-400v/m v3 veins. V1 orientation high angle, 80TCSA. Trace pyrite.
398.0	399.6	1.6	Incipient vein breccia/Trondhemite, ditto above, -938. V3 is main breccia matrix. Minor v2 stringers: High-sericite-pyrite-tourmaline. 20% clasts of gray quartz veins.
399.6	404.2	4.6	Incipient vein breccia/Trondhemite, ditto above. Fabric 45-60TCA. Strong sericite alteration, carbonate alteration. 5% v1 (?) blue-gray mm quartz veins, disrupted. 1% v2 (sericite-pyrite-tourmaline)
399.6	436.2	36.6	Vein Breccia and incipient vein breccia, Jerome Main Zone Predominantly vein breccia, minor incipient vein breccia.
404.2	405.9	1.7	Vein breccia. Light gray. Distinct clastic texture. Massive or weak orientation 10TCA. v1 10%, v2 5% (high pyrite-tourmaline) as clasts, v3 matrix 80% fine grained carbonate, (quartz).
405.9	409.2	3.3	Incipient vein breccia/Trondhemite. Strongly silicified and veined. 10% v1 as broken up bands, clasts. 60% hard, silicified, strongly veined trondhemite, 30% mm-spaced v3 carbonate-quartz-vein matrix. Crackle breccia in trondhemite. Accessory fuchsite, tourmaline 1%, pyrite trace-0.5%
409.2	413.3	4.1	Incipient vein breccia/Trondhemite. Strongly silicified and veined. 200-400v/m, crackle breccia. Accessory 0.5% tourmaline, pyrite 1-3% very fine grained, disseminated, fuchsite trace.
413.3	414.0	0.7	Incipient vein breccia/Trondhemite, silicified, hard. V1 40%, 40% silicified trondhemite, 20% v3 matrix and stockwork, 200-400v/m. weak fabric 30TCA and high angle. Accessory molybdenite, py1-2% as stringers.
414.0	416.4	2.4	Vein Breccia, ditto 528942. Weak fabric 10-20TCA. V2 5%. Pyrite as very fine grained pyrite-tourmaline-clasts and stringers, angular. V1 1%. 80% v3 matrix very fine grained. Sharp contact to following 20TCA.
416.4	417.7	1.3	Incipient vein breccia/Trondhemite, strongly altered, veined, ditto -943, -944. Accessory 1% tourmaline as clusters, pyrite trace very fine grained disseminated.
417.7	418.5	0.8	Vein breccia, ditto -942 and -946. 75% v3 matrix, 20% altered trondhemite clasts, 5% v2. Total pyrite 1-2%, tourmaline 1%. Upper and lower contacts sharp, 20-30 TCA. Width of breccia vein 10-20cm. No internal flow fabric.
418.5	421.6	3.1	Incipient vein breccia (strongly altered veined trondhemite), ditto -945. Random vein orientation. Pyrite, tourmaline 0.5% each, fuchsite 1%.
421.6	422.8	1.2	Incipient vein breccia, ditto above, -949. With two 1-3cm ribbon veins parallel core axis. V1 forming rims, v3 centre of veins. 10% clear gray quartz veins. Trace Tourmaline, pyrite. Contact to vein-breccia 60TCA.
422.8	425.3	2.5	Vein breccia. Colour dark gray, v1(60-70%) as main rock type, un-brecciated, hosting 10-20% cm-dm wallrock clasts, low angle. V3 as stockwork cutting v1. Pyrite 1% as clusters. Molybdenite 1% with pyrite as 1mm stringers. Lower contact irregular 30-60TCA.
425.3	429.2	3.9	Incipient vein breccia/Trondhemite. 60% strongly altered, veined trondhemite. 20% v1 ribbon veins, mm-cm wide. 20% v3 stockwork cutting trondhemite and v1. Vein angles low angle and high angle. Pyrite 0.5%, mainly in trondhemite. Tourmaline trace.
429.2	431.7	2.5	Vein Breccia, ditto above -951. Mainly v1, 20% trondhemite wallrock clasts, 5% pyrite disseminated, tourmaline. 20% v3 stockwork, random orientation. Total pyrite 1-2%, trace molybdenite.
431.7	434.5	2.8	Vein Breccia, ditto above -951, -953. 80% dark gray cherty v1 (showing two

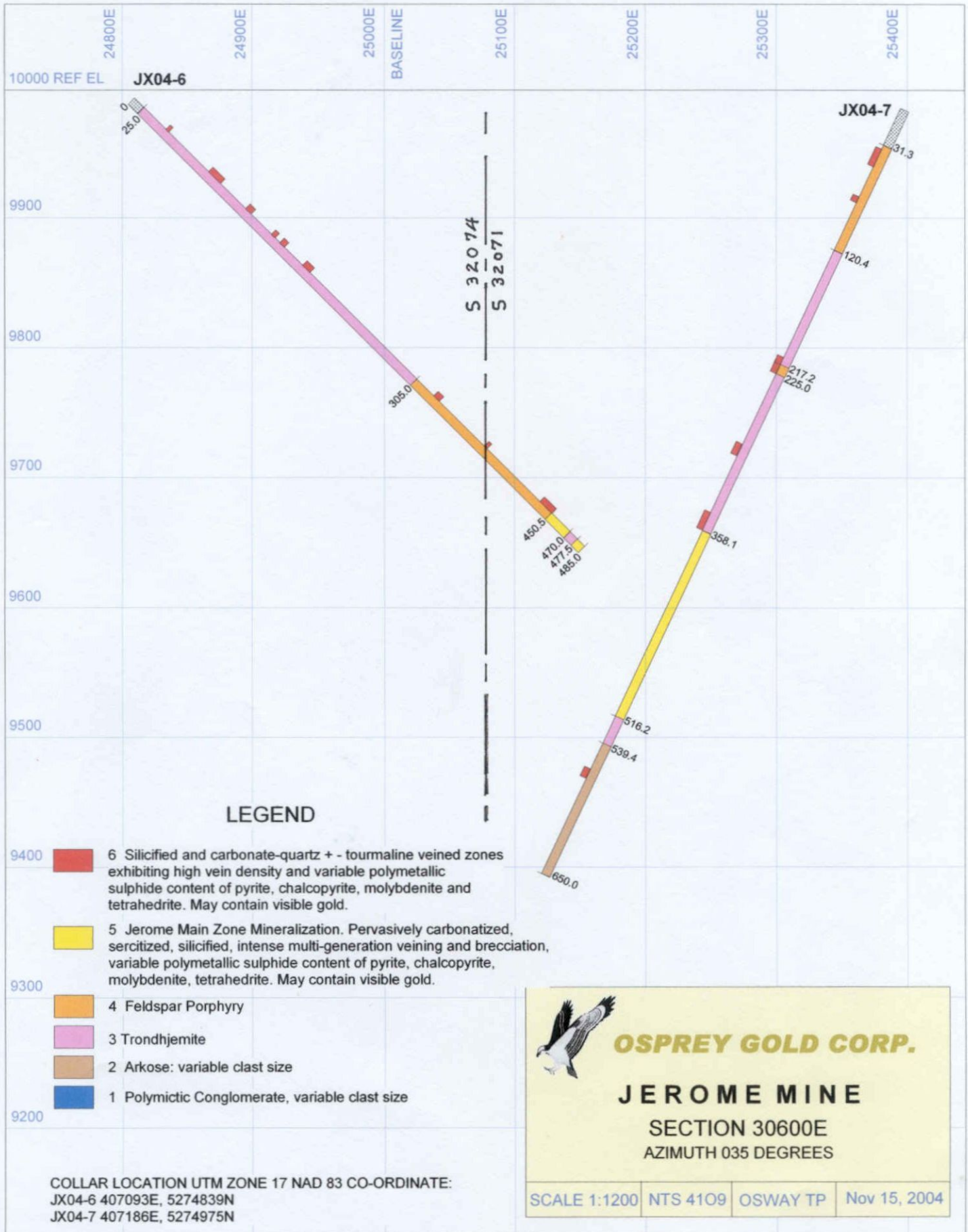
Lithology			Description
From	To	Length	
			generations: a) Black, older b) grey, younger, hosts clasts of a) . Fabric of contacts low angle. 10% v3 stockwork. Minor v4. Pyrite 1-2%, molybdenite trace.
434.5	436.2	1.7	Vein breccia, ditto above. Mainly v1, with more v2, 20% light gray quartz-carbonate-pyrite-tourmaline as patches, stringers. Total pyrite 2-3%. Lower contact 60TCA
436.2	449.7	13.5	Incipient vein breccia with minor vein breccia, Jerome Main Zone
436.2	437.7	1.5	Incipient vein breccia/trondhjemite, ditto above -949, -950. Strongly altered (silicified carbonate, sericite) and veined. 5-10% v1. One 10cm v1 vein low angle. Pyrite 1%.
437.7	438.9	1.2	Incipient vein breccia/Trondhjemite, ditto above -956. 200-400v/m. 1-2% v1. Accessory fuchsite, tourmaline, pyrite, all trace.
438.9	440.0	1.1	Trondhjemite/incipient vein breccia. Pink gray, core hard. Weak hematite alteration. 50-100v/m. Trace fuchsite, tourmaline, pyrite. Sharp contact 25TCA to vein.
440.0	441.0	1.0	Vein Breccia/Vein. 10-20cm wide v3 vein (fine grained carbonate) with 5% v1 clasts and 3cm v1 band at lower contact. Lower contact 50TCA.
441.0	442.5	1.5	Incipient vein breccia/Trondhjemite. Ditto above -958. Cut by two cm wide vein-breccias: v1 cut by v3, enclosing wall rock clasts. Veins 20TCA. Trace tourmaline, 0.5% pyrite in wall rock.
442.5	444.2	1.7	Incipient vein breccia/Trondhjemite, similar above. High-tourmaline. Trondhjemite light green gray, strongly altered, strongly veined. Alteration silicification, carbonate, sericite. 100-200v/m. 2% v2, cm wide, forming stockwork; and 5-10% v4 (gray quartz veins). Tourmaline 1% in upper 1/2. Trace fuchsite, 0.5-1% pyrite.
444.2	445.5	1.3	Incipient vein breccia/trondhjemite, ditto above. Trondhjemite permeated by 60% v3 minor v1 at low angle. Width of veins-breccia 10-20cm. NB: v1 only on down-hole side of vein-breccia. Trace fuchsite, pyrite.
445.5	447.8	2.3	Incipient vein breccia, ditto above -961, -962. Strongly altered, veined trondhjemite. 2-5% v1. Random v3 stockwork. Pyrite 1-2% fine grained disseminated, trace tourmaline, fuchsite. Contact to vein 40TCA.
447.8	449.7	1.9	Incipient vein breccia. 1/4 strongly altered trondhjemite, ditto above. 3/4 of interval is vein: light gray, clear quartz veins (v4?). 1% pyrite as a) dissem. In trondhjemite; b) high-pyrite clusters in gray quartz vein.
449.7	452.8	3.1	Vein Breccia, Jerome Main Zone
			Vein breccia. 1/2 of interval is trondhjemite, 1/2 is a 30cm wide vein, 60TCA. Vein: Complex. 1/4 is v2: high-sericite-pyrite (10%) as stringers. 3/4 of interval is v3. Veining in trondhjemite: v3 stockwork, 100-200v/m. Total pyrite 3%, trace fuchsite.
451.6	452.8	1.2	Vein Breccia, ditto above -965. No fabric, random stockwork orientation. 50% trondhjemite clasts (distension). 5-10% v1 clasts. v3 breccia matrix. 1% high-pyrite tourmaline as mm stringers. Total pyrite 1-2%.
452.8	463.0	10.2	Feldspar-porphyry, weak alteration.
452.8	456.1	3.3	Incipient vein breccia/feldspar-porphyry. Hard, silicified, strongly veined. 2% v1, 20% v3 as stockwork, random orientation. Lower half of interval either silica flooding or patchy 25% gray quartz veining. Total pyrite 0.5%.
456.1	457.4	1.3	Feldspar-porphyry, hard, weak alteration, sharply grading from above. 50-100v/m, moderate angle. Trace tourmaline, pyrite.
457.4	458.0	0.6	Vein. V3 with minor v1 (thin margin). 50TCA. Minor wall rock clasts.
458.0	462.0	4.0	Feldspar-porphyry, ditto above, -968. Fresh, boxy feldspar common. 5% chlorite. Weak hematite alteration. Low vein density: v3, v4. Pyrite 0.5%.
462.0	463.0	1.0	Feldspar-porphyry. Pink, grading to green gray. 100-200v/. Trace v2: pyrite-tourmaline. NB: At lower end of intervals no sharp contact to dark gray vein breccia, but a sharp colour change from green gray to dark gray: Hard, silicified trondhjemite. Interpreted as metasomatism, high fluid pressure? Introducing very fine grained black opaque minerals (Molybdenite?).
463.0	503.6	40.6	Vein Breccia - Jerome Main Zone
463.0	465.0	2.0	Dark gray colour. 70% dark gray cherty v1? Or silica rich, altered trondhjemite? 30% v3 stockwork, mm-spacing, 300-500v/m, random orientation. Pyrite 0.5%. Molybdenite(?) 1-2%
465.0	467.5	2.5	Vein-breccia, similar above but more v3 breccia matrix and some v2 (high-pyrite-tourmaline). 10-20% v1 clasts, 10-20% trondhjemite clasts, 5% v2 stringers.

Lithology			Description
From	To	Length	
467.5	469.4	1.9	Total pyrite 1 to 2%. 5% gray quartz veins , v4. Vein-breccia. Colour creamy white. 80% v3 carbonate-vein matrix permeated by dark gray stockwork of carbonate-quartz-veins. Younger, clear, light gray quartz veins stockwork v5? NB: No pyrite!
469.4	470.8	1.4	Vein-breccia, ditto above -974.
470.8	472.7	1.9	Vein breccia, ditto above. Mainly v3, v4, v5. Trace v1 clasts. Trace pyrite, high-sericite clasts.
472.7	474.5	1.8	Vein breccia. Similar above, -974 to -976. Distinct fabric 10-20TCA. Mainly v3. 5% v2 (high pyrite), 10% v1 clasts, 5% wall rock clasts.
474.5	478.0	3.5	Vein breccia, ditto above. 1% pyrite in v2 clasts. 2% v1. Vague flow fabric.
478.0	479.3	1.3	Vein breccia, ditto above. 20% v1 clasts. Trace pyrite.
479.3	483.0	3.7	Vein breccia, dark gray. Mainly v1 (dark gray, cherty with molybdenite) showing several tones of gray and black. Cut by stockwork of light gray v3. Trace pyrite.
483.0	485.0	2.0	Vein breccia, dark gray, ditto above -980. 20% v1 clasts, 20% trondhemite clasts. Mainly v3 matrix. Pyrite 1% in altered wall rock clasts. Moderate angle orientation of v3 stockwork.
485.0	487.4	2.4	Vein breccia, dark gray, ditto above. 20% v1, 50% wall rock clasts (Jig saw), 20% v3 white ribbon veins parallel core axis. Pyrite 1% fine grained disseminated in v1 and in wall clasts. Trace tourmaline as rare large crystals (1mm). Minor v4 quartz veins 60TCA.
487.4	489.7	2.3	Vein breccia, light gray, cream colour. 90% v3 carbonate as a) white-cream b) dark gray carbonate, cutting a). 10% v4 quartz veins; trace v1 clasts. Trace pyrite as fine stringers parallel to several quartz veins.
489.7	492.5	2.8	Vein breccia. Light gray and dark gray. Carbonate-breccia. Several generations of carbonate veins (in order of decreasing relative age): a) white b) gray with 5-10% fine grained pyrite, c) dark gray carbonate, late, cutting a). Weak fabric 20TCA. Total pyrite 0.5%.
492.5	494.4	1.9	Vein breccia, light and dark gray. Carbonate-breccia ditto above. Mostly white carbonate. 5% v1 cherty black; 5-10% 1-2mm v4 light gray quartz. 2% late gray carbonate veins with tourmaline cutting v4 quartz veins. Total pyrite 0.5-1%.
494.4	498.0	3.6	Vein breccia similar above. Mostly v3 carbonate veins, low angle, ribbon, as matrix. Clasts: 30% v1 with pyrite, 10% wall rock clasts; 5%mm-10mm v5 (carbonate-veins with pyrite) moderate angle. Total pyrite 1-2%.
498.0	500.0	2.0	Vein breccia ditto above -986. Mostly dark gray (60%) 30-40% v1; 3% v5 (carbonate-pyrite); low angle of v3. Total pyrite 0.5-1%.
500.0	501.0	1.0	Vein breccia. Light gray-dark gray. Carbonate-breccia. Vein orientation 10TCA. 80-90% v3, a) light gray b) dark gray. Minor v4 quartz veins. Trace pyrite, tourmaline.
501.0	502.4	1.4	Vein breccia and wallroc. Breccia vein parallel core axis, 1/2 of core. Vein breccia represented by ribboned dark gray v1 at margins and white v3 in centre. Lower 1/3 of interval strongly veined, altered trondhemite with 2% pyrite. Total pyrite 1%.
502.4	503.6	1.2	Vein breccia, ditto above, -989. Ribbon 10cm vein: v1 rimming 1-2cm, v3 core, 10-20cm. Cut by v4 quartz veins. Vein 10TCA.
503.6	513.1	9.5	Incipient vein breccia/Trondhemite, Jerome Main Zone
503.6	506.7	3.1	Incipient vein breccia. Strongly altered and veined trondhemite. 90% trondhemite, 10% veins. Five ribbon veins, high angle. Mainly v3 with dark gray v1 rims. 10v/m 1cm ribbon v3, moderate angle high angle. 100-200v/m, stockwork. Accessory fuchsite, pyrite 0.5-1%, disseminated.
506.7	509.1	2.4	Incipient vein breccia, ditto above, but 1/4 of interval is stockwork of cm wide v3 carbonate veins. 200-400v/m, crackle breccia. 3-5% v1 as rims in ribbon veins. Trace fuchsite, 0.5% disseminated pyrite.
509.1	513.1	4.0	Incipient vein breccia similar above, but no v1 present. Strongly altered (sericite, carbonate) trondhemite permeated by 30% v3 veining/stockwork, 200-400v/m, random orientation. Lower 1/3 of interval has no wall rock relics, only v3 veins with sericite stringers. Accessory trace fuchsite, tourmaline, pyrite. 5% high sericite stringers with pyrite, 50TCA. One 1mm vein with specular hematite.
513.1	516.2	3.1	Sericite-Carbonate-Tourmaline Rock Vein? Or extremely altered trondhemite? Interval consists of 1/10 clasts of quartz

Lithology			Description
From	To	Length	
			clasts and 70% sericite, 20% carbonate, 5% tourmaline and trace hematite, pyrite. Trace fuchsite. Lower 1/4 harder, with relict texture of trondhemite. Comment: Possible fluid channel at contact between vein-breccia and wall rock? I.e. protolith probably trondhemite?
516.2	539.4	23.2	Trondhemite, strongly altered
516.2	520.2	4.0	Trace strongly altered (sericite, carbonate). Weak fabric 30TCA. Colour light tan. Relict fine grained trondhemite texture preserved. Rock consists of 80% sericite, 20% carbonate. Low vein density 20-50v/m, low angle. Accessory tourmaline 0.5 to 1%, fuchsite 0.5%, chalcopyrite 0.5-1%, pyrite 0.5%. 5% clasts of quartz veins ?
520.2	525.0	4.8	Trondhemite, strongly altered, ditto above. Tourmaline as 1mm stringers and cm clusters. 5% disrupted gray quartz veins as quartz inclusions. Chalcopyrite, pyrite trace-0.5%.
525.0	530.0	5.0	Trondhemite, ditto above. 0.5% each pyrite, chalcopyrite.
530.0	532.0	2.0	Trondhemite, ditto above. Alteration decreasing to 30-50% sericite, 20% carbonate. Relict quartz, feldspar, trondhemite texture. Accessory 1% tourmaline as linear stringers and as disseminations. 0.5% each pyrite, chalcopyrite.
532.0	536.6	4.6	Trondhemite, strongly altered: Silicified, minor sericite, carbonate. Approaching Greisen . Colour light pink gray. Tourmaline 1-3% as 1-5mm wide stringers parallel core axis (30% tourmaline in a stringer). Comment: No brecciation, core homogeneous, hard, vague fine grained relict texture. Metasomatism!
536.6	539.4	2.8	Trondhemite light gray, fine grained, hard. Upper 1/2: strongly silicified, 2% tourmaline. Similar 528999. 10-20% disseminated carbonate. Tourmaline as mm stringers. Total pyrite 1-2%. Lower half sericite-quartz-carbonate rock. Matrix sericite-carbonate-tourmaline (1-2%); scattered 1mm quartz grains, angular to round. No feldspar. Tourmaline disseminated and as stringers. Trace pyrite.
539.4	560.4	21.0	Arkose, silicified
539.4	544.3	4.9	Arkose silicified. Light gray, weak fabric parallel core axis. Strongly silicified, vague fine grained 1mm relict texture. High quartz abundance 70%, minor chlorite, carbonate. Accessory trace oxide, pyrite, tourmaline.
544.3	548.8	4.5	Arkose silicified, ditto above. Weak fabric 30TCA. High quartz, minor sericite, carbonate. Accessory fuchsite, pyrite, all trace; 1% tourmaline disseminated and as stringers.
548.8	552.2	3.4	Arkose, ditto above, moderate-strongly altered. Arkose texture well preserved, 0.5 to 5mm quartz grains, strongly variable shape (angular). Matrix carbonate, quartz, sericite (20%). Accessory tourmaline 1-2% as clusters, stringers 45TCA.
552.2	555.0	2.8	Arkose, ditto above. Sericite 10-20%, carbonate, high quartz abundance. 2-3% tourmaline as stringers, trace pyrite.
555.0	558.2	3.2	Arkose, ditto above. Cut by 3-10mm, ribbon quartz-sericite-chlorite-vein parallel core axis. 1 cm breccia, vuggy, carbonate-cemented, parallel core axis.
558.2	560.4	2.2	Arkose, ditto above, silicified, high quartz abundance. Lower 1/2 dark gray stringers moderate angle: Sericite-carbonate-quartz-chlorite with pink hematized carbonate vein.
560.4	568.7	8.3	Incipient vein breccia
560.4	565.0	4.6	Incipient vein breccia. With fabric 30-40TCA. Silicified arkose as above, permeated by dark gray and green gray matrix: Quartz-carbonate (sericite). Accessory trace fuchsite, pyrite, tourmaline. At 564' 10 cm carbonate-cemented, vuggy fault breccia.
565.0	568.7	3.7	Incipient vein breccia, ditto above. Clast orientation 20-30TCA. Breccia matrix: Carbonate, sericite, quartz. Clasts: silicified arkose, 5% gray quartz veins. Accessory trace tourmaline, pyrite. Sharp contact 45TCA.
568.7	626.7	58.0	Arkose, weak-moderate alteration.
568.7	570.6	1.9	Arkose, light-medium green gray, fine grained. 20-30% quartz grains, various shapes, in matrix of quartz-sericite, carbonate, chlorite? Accessory tourmaline 0.5% pyrite trace. 20-40v/m, moderate angle.
570.6	575.0	4.4	Arkose, similar above (-059) but colour medium dark green gray. Matrix carbonate chlorite-sericite. 20-40v/m, moderate angle. One 3cm carbonate-quartz-vein, 30CA with pyrite rich halo. Trace tourmaline.
575.0	580.0	5.0	Arkose, ditto above, slightly pebbly. Medium gray, 30-40% sericite minor carbonate

Lithology			Description
From	To	Length	
			trace pyrite, tourmaline.
580.0	585.0	5.0	Arkose, ditto above. Pyrite 1% disseminated
585.0	590.0	5.0	Arkose, ditto above. Pyrite 1% disseminated
590.0	592.4	2.4	Arkose, pebbly, ditto -061. 30-40% sericite matrix. Veins 20-40v/m, moderate angle. Accessory pyrite 1%, trace tourmaline.
592.4	595.0	2.6	Arkose, pebbly, ditto -061. 30-40% sericite matrix. Veins 20-40v/m, moderate angle.
595.0	599.3	4.3	Arkose, pebbly, ditto -061. 30-40% sericite matrix. Veins 20-40v/m, moderate angle. Pyrite trace disseminated, trace tourmaline in hairline quartz-tourmaline-veins.
599.3	600.8	1.5	Siltstone, fine grained, foliated, mm-cm banded/bedded. Dark green gray. Foliation 60TCA. High chlorite abundance 20-30%. Moderate sericite alteration. 50-100v/m, moderate angle high angle, in part ladder veins, quartz-carbonate veins. Trace pyrite.
600.8	605.0	4.2	Arkose, ditto above -061 to -066. Light green gray, weak alteration. 20-50v/m. Hairline-1mm carbonate veins; 5v/m 10mm quartz-carbonate-veins, low angle to moderate angle, in part as vein breccia. Trace pyrite.
605.0	607.7	2.7	Arkose, ditto above -061 to -066. Light green gray, weak alteration. 20-50v/m hairline-1mm carbonate veins ; 5v/m 10mm quartz-carbonate-veins, low angle - moderate angle, in part as vein breccia. Trace pyrite.
607.7	610.9	3.2	Arkose, ditto above but higher vein density: 50-100v/m. Accessory pyrite 0.5%, disseminated.
610.9	615.0	4.1	Arkose, ditto above but higher vein density: 50-100v/m. accessory pyrite 0.5%, disseminated.
615.0	618.3	3.3	Arkose, ditto above. Trace pyrite as rare 1mm porphyroblasts and fine grained clasts.
618.3	621.8	3.5	Arkose, ditto above. Accessory trace oxide, tourmaline, pyrite.
621.8	626.7	4.9	Arkose, ditto above but fresher. Pink gray, fresh feldspar. 50-100v/m. Accessory oxide, pyrite, all trace.
626.7	650.0	23.3	Pebbly Arkose/Arenite
626.7	631.0	4.3	Pebbly Arkose/Arenite. Pink, fresh, similar to -074. 50-100v/m, hairline-1mm, moderate angle-low angle. Trace oxide, pyrite.
631.0	635.0	4.0	Pebbly Arkose/Arenite, ditto above
635.0	640.0	5.0	Pebbly Arkose/Arenite, ditto above
640.0	641.9	1.9	Pebbly arkose/arenite, ditto above. Cut by stockwork of 1-2cm quartz-(carbonate)-veins, 10-30TCA with silicified halos and with trace pyrite, chalcocopyrite in veins and halos.
641.9	643.6	1.7	Arkose/arenite, pebbly, pink, weak alteration, ditto above -078. Cut by one 1cm quartz-(carbonate)-vein parallel core axis. Trace pyrite.
643.6	645.0	1.4	Arkose/arenite, ditto above.
645.0	650.0	5.0	Arkose/arenite, ditto above. Trace oxide, pyrite.
	650.0		End of Hole





W. J. Smith

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines



Date: 2004-DEC-16

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

OSPREY GOLD CORP.
210 BROADWAY ST., SUITE 208
ORANGEVILLE, ONTARIO
L9W 5G4 CANADA

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

Submission Number: 2.28886
Transaction Number(s): W0460.01891

Dear Sir or Madam

Subject: Approval of Assessment Work

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

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

If you have any question regarding this correspondence, please contact LUCILLE JEROME by email at lucille.jerome@ndm.gov.on.ca or by phone at (705) 670-5858.

Yours Sincerely,

A handwritten signature in black ink that reads "Ron C. Gashinski".

Ron C. Gashinski
Senior Manager, Mining Lands Section

Cc: Resident Geologist

John Raymond Boissoneault
(Agent)

Osprey Gold Corp.
(Assessment Office)

Assessment File Library

Osprey Gold Corp.
(Claim Holder)

Date / Time of Issue: Tue Dec 14 15:12:59 EST 2004

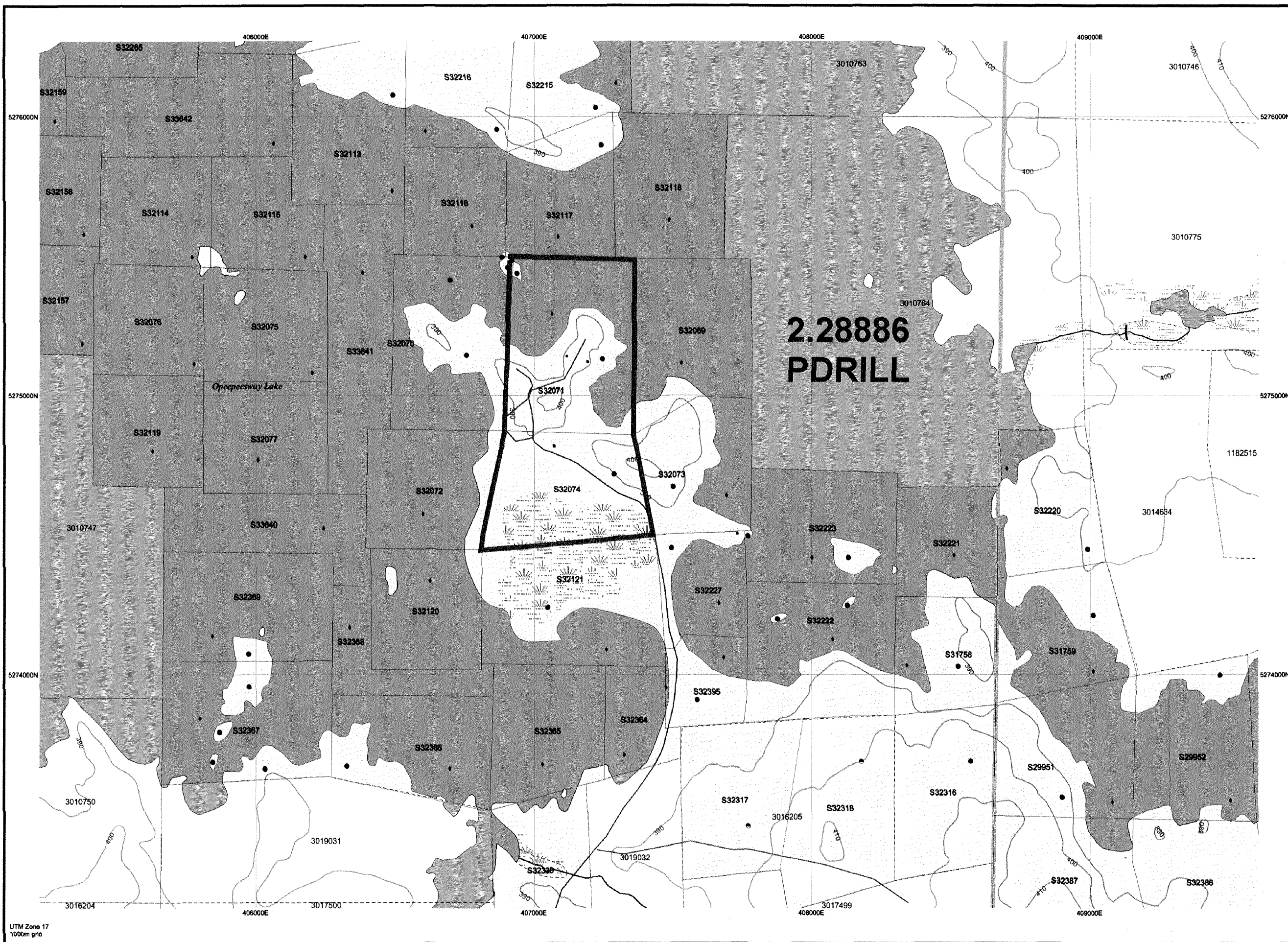
TOWNSHIP / AREA
OSWAY

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

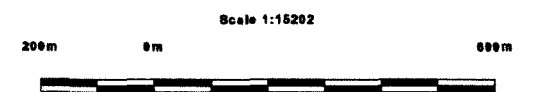
- Freehold Patent**
 - Surface And Mining Rights
 - Surface Rights Only
 - Mining Rights Only
- Leasehold Patent**
 - Surface And Mining Rights
 - Surface Rights Only
 - Mining Rights Only
- Licence of Occupation**
 - Uses Not Specified
 - Surface And Mining Rights
 - Surface Rights Only
 - Mining Rights Only
 - Land Use Permit
 - Order In Council (Not open for staking)
 - Water Power Lease Agreement

1234567	1234567	1234567	1234567
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LAND TENURE WITHDRAWALS

- Mining Claim
- Filled Only Mining Claims
- 1234** Areas Withdrawn from Disposition
 - Mining Acts 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



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 on this map. Additional information may also be obtained through the Ministry of Northern Development and Mines.

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/MNMD/MINES/LANDS/mlsmnpg.htm

Toll Free
Tel: 1 (888) 415-9845 ext 5772
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.

