Bur Property, Burwash Creek, Yukon
(formerly Cork Property of
Imperial Oil Enterprises Ltd.)
Present claim: JY 51
Drillhole: IOE Ltd. 70-6
Inclination: -90°
Core Size: NQ
Depth: 142.95 m
Core relogged: 62.06 m

Location: 1800' S, 2200' W on IOE grid

Elevation: 1642 m ± 5 (from 1:5000 topo map)
Drilled: Summer 1970
Drilled by Arctic Drilling Ltd.
Relogged by L.B. Halferdahl 1983 12

Recovery to 109.12 m without Boxes 5, 11, 12, and 13 : 81.3%; with zero for Boxes 5, 11, 12, and 13 : 59.7%

Purpose: IOE Ltd. checked for copper and molybdenum in latite porphyry. Available core was relogged and resampled to check for gold and other metals in the intruded flows and tuffs as well as in the latite porphyry.

Metrage	Interval	Description
0.00-5.18	5.18	Overburden
5.18-21.57	16.39	Tuff

5.18-5.28 m light-grey, vitrophyric, 30-40% tiny white crystallites in grey glassy matrix, thin rust on fracture surfaces

5.28-5.99 m "wormy" tuff, medium-light-grey, 20-50% rounded whitish-grey grains to 1 mm or so in size with some touching each other in darker-grey aphanitic (glassy?) matrix, thin rust on fracture surfaces, upper contact brecciated, some core fragments of aphanitic white sucrosic rock, few core fragments of dark-grey fine-grained lava to 6 cm in size, irregular light-buff-grey veins to 1 cm wide, 2-3% rusty specks more prominent in white sucrosic fragments locally visible on diamond-cut surface

SAMPLE 4319 5.18-5.99 m 0.71 m (representative chips)
Au 100 ppb, Cu 142 ppm, Mo 30 ppm, Pb 1 ppm, Zn 27 ppm, Ni 33 ppm

5.99-6.71 m 0.72 m lost core

6.71-7.81 m "wormy" tuff, same as 5.28-5.99 m

SAMPLE 4318 6.71-7.81 m 1.10 m (representative chips)
Au 80 ppb, Cu 110 ppm, Mo 37 ppm, Pb 1 ppm, Zn 27 ppm, Ni 35 ppm

7.81-7.92 m 0.11 m lost core

Metrage	Interval	Description

7.92-9.03 m mostly "wormy" tuff, similar to previous, local vitrophyric layers or core fragments, whitish grains not as distinct on diamond-cut surfaces with fewer merging together

SAMPLE 4317 7.92-9.03 m 1.11 m (representative chips)
Au 40 ppb, Cu 100 ppm, Mo 28 ppm, Pb 1 ppm,
Zn 24 ppm, Ni 32 ppm

9.03-9.14 m 0.11 m lost core

9.14-10.08 m similar to previous, larger and more abundant core fragments of white sucrosic rock with rusty spots, local well developed fine dendrites on orange-brown fracture surfaces, local vitrophyric phases

SAMPLE 4198 9.14-10.08 m 0.94 m (representative chips)
Au 37 ppm, Cu 98 ppm, Mo 24 ppm, Pb 1 ppm,
Zn 25 ppm

10.08-10.52 m 0.44 m lost core

10.52-10.76 m similar to previous, core fragments of sucrosic white rock and light-grey vitrophyric

10.76-11.58 m 0.82 m lost core

11.58-12.03 m mostly light-grey vitrophyric with few core fragments with coalescing white grains as in "wormy" tuff, some sucrosic white core fragments with prominent rusty spots

SAMPLE 4316 10.52-12.03 m 0.69 m (representative chips)
Au 41 ppb, Cu 123 ppm, Mo 36 ppm, Pb 1 ppm,
Zn 20 ppm, Ni 25 ppm

12.03-12.50 m 0.47 m lost core

12.50-13.03 m mostly light-grey vitrophyric, gradational contacts some locally irregular, across 1-2 mm between glassy vitrophyric and white sucrosic, some rusty spots with pyrite centres; white sucrosic rock may be a more completely crystallized phase of the vitrophyric

13.03-13.26 m 0.23 m lost core

13.26-13.77 m chiefly vitrophyric and white sucrosic as previous with dark-rusty-brown spots on lighter-brown fractures, relict crystallites visible locally in white sucrosic

Metrage	Interval	Description
		SAMPLE 4315 12.50-13.77 m 1.05 m (representative chips)
		Au 43 ppb, Cu 132 ppm, Mo 37 ppm, Pb 12 ppm,
		Zn 110 ppm, Ni 20 ppm
		13.77-13.87 m 0.10 m lost core
		13.87-14.23 m vitrophyric and sucrosic as previous, odd layer 1 cm thick with coalescing crystals at 25° CA
		14.23-14.63 m 0.40 m lost core
		14.63-15.33 m mostly light-grey vitrophyric with moderate white sucrosic in upper part of interval
		SAMPLE 4314 13.87-15.33 m 1.06 m (split core)
		Au 25 ppb, Cu 135 ppm, Mo 21 ppm, Pb 1 ppm,
		Zn 22 ppm, Ni 30 ppm
		15.33-15.39 m 0.06 m lost core
		15.39-16.09 m vitrophyric and white sucrosic as previous
		16.09-16.15 m 0.06 m lost core
		16.15-16.37 m vitrophyric and white sucrosic as previous
		SAMPLE 4313 15.39-16.37 m 0.92 m (split core)
		Au 33 ppb, Cu 160 ppm, Mo 21 ppm, Pb 1 ppm,
		Zn 23 ppm, Ni 30 ppm
		16.37-16.46 m 0.09 m lost core
		16.46-16.50 m vitrophyric and white sucrosic as previous
		16.50-16.61 m 0.11 m lost core
		16.61-17.22 m as previous, light-grey vitrophyric with some white sucrosic, thin rust on joint surfaces
		SAMPLE 4312 16.46-17.22 m 0.65 m (split core)
		Au 29 ppb, Cu 150 ppm, Mo 41 ppm, Pb 1 ppm,
		Zn 23 ppm, Ni 36 ppm
		17.22-18.74 m similar to vitrophyric but 70-80% crystals in matrix with some light-grey, white sucrosic patches with 1-2% finely disseminated pyrite, not much in greyer part, magnetite streak ½-3 mm wide by 7 cm long at 30° CA
		17.22-17.97 m 1-2% pyrite disseminated and along fractures
		SAMPLE 4199 17.22-17.97 m 0.75 m (split core)
		Au 95 ppb, Cu 200 ppm, Mo 28 ppm, Pb 1 ppm,
		Zn 29 ppm

Metrage	Interval	Description
		SAMPLE 4311 17.97-18.74 m 0.77 m (split core) Au 33 ppb, Cu 155 ppm, Mo 74 ppm, Pb 1 ppm, Zn 26 ppm, Ni 31 ppm
		18.74-20.26 m grey vitrophyric with 70-80% crystals, veined and mottled with 20-30% white sucrosic with proportion decreasing downhole, 1-2% pyrite and rust spots in white sucrosic, thin gypsum on some fractures
		SAMPLE 4309 18.74-19.49 m 0.75 m (split core) Au 24 ppb, Cu 92 ppm, Mo 21 ppm, Pb 1 ppm, Zn 20 ppm, Ni 33 ppm
		SAMPLE 4310 19.49-20.26 m 0.77 m (split core) Au 38 ppb, Cu 103 ppm, Mo 17 ppm, Pb 1 ppb, Zn 26 ppm, Ni 30 ppm
		20.26-20.43 m 0.17 m lost core
		20.43-21.57 m light-grey similar to previous with minor pyrite along fractures, 20-40% veined and mottled with white sucrosic with 1-2% disseminated pyrite, fractures along CA coated with up to 2 mm gypsum
		21.57 m curved contact at 15° CA marked by gypsum vein to 5 mm or more thick
		SAMPLE 4308 20.43-21.57 m 1.14 m (split core) Au 75 ppb, Cu 200 ppm, Mo 20 ppm, Pb 1 ppm, Zn 34 ppm, Ni 48 ppm
21.57-23.58	2.01	Basalt, dark-grey to black
		21.57-21.95 m grain size less than ¼ mm, very sparse pyrite
		21.95-23.04 m slightly coarser grained than interval above, 2-3% very finely disseminated pyrite with odd grain to 2 mm, some pyrite along fractures, narrow gypsum-filled veinlets
		22.94-23.04 m few subround greenish-white spots to 5 mm across
		SAMPLE 4200 21.95-23.04 m 1.09 m (split core) Au 25 ppb, Cu 320 ppm, Mo 21 ppm, Pb 1 ppm, Zn 65 ppm
		23.04-23.16 m 0.12 m lost core
		23.16-23.53 m as above, pyritiferous, few subround greenish-white spots in top 12 cm, and more below in 10-cm interval

Metrage	Interval	Description
		23.53-23.58 m similar to above but altered to softer rock
		SAMPLE 4300 23.16-23.58 m 0.42 m (split core) Au 25 ppb, Cu 2280 ppm, Mo 33 ppm, Pb 1 ppm, Zn 104 ppm, Ni 242 ppm
23.58-24.08	0.50	Fault gouge, grey-brown-green, earthy material cementing harder fragments of basalt, partly coherent as core but breakable between fingers except for altered basalt fragments, locally rusty, minor gypsum locally
		SAMPLE 4285 23.58-23.93 m 0.35 m (split core) Au 175 ppb, Cu 2650 ppm, Mo 67 ppm, Pb 1 ppm, Zn 130 ppm
		23.93-24.08 m 0.15 m lost core
24.08-24.20	0.12	Basalt, black, fine-grained, pyritiferous
		24.20 m irregular contact averaging 25° CA
24.20-25.79	1.59	Latite porphyry, 10-20% white partly euhedral to rounded grains or masses to 10 mm or so in very light-grey matrix, phenocrysts range down in size to whitish grains 1 mm or less in greyer matrix, 1-2% rusty spots (oxidized pyrite?) to 1-2 mm
		24.37-24.65 m 0.28 m lost core
		24.65-25.25 m as above, locally rusty and altered to dull argillaceous material
		SAMPLE 4286 24.08-25.25 m 0.89 m (split core) Au 45 ppb, Cu 660 ppm, Mo 65 ppm, Pb 1 ppm, Zn 39 ppm
		25.25-25.45 m altered, rusty brown locally, bronze-brown spots, core fragment with contact at low angle CA of dark-grey amygdaloidal volcanic with grain size less than 1 mm
		25.45-25.79 m similar to previous but with up to 50% whitish blobs some 2-3 cm in size surrounding xenoliths of dark-grey volcanics to 1 cm in size, few biotite grains in porphyry
		SAMPLE 4287 25.25-25.79 m 0.54 m (split core) Au 120 ppb, Cu 750 ppm, Mo 67 ppm, Pb 1 ppm, Zn 36 ppm
25.79-26.07	0.28	Fault gouge, grey-brown, earthy altered rubble

Metrage	Interval	Description
		25.89-26.07 m 0.18 m lost core
26.07-26.12	0.05	Basalt, dark-grey
26.12-26.41	0.29	Fault gouge, grey-brown clayey alteration
26.41-26.75	0.34	Tuff, light-grey, similar to vitrophyric but with greater proportion of crystals in matrix, mottled and veined with pyritic sucrosic white material, all partly argillized
26.75-26.87	0.12	Fault gouge, fragments in a green-brown-grey clayey matrix
		SAMPLE 4288 25.79-26.82 m 0.85 m (split core) Au 90 ppb, Cu 770 ppm, Mo 54 ppm, Pb 1 ppm, Zn 70 ppm
26.87-27.45	0.58	Tuff or volcanic, dark-grey, altered, core all fragments up to 4 cm with surfaces covered with a brownish mica-like mineral
27.45-27.84	0.39	Fault gouge
		SAMPLE 4289 26.82-27.52 m 0.70 m (split core) Au 53 ppb, Cu 560 ppm, Mo 19 ppm, Pb 1 ppm, Zn 100 ppm
		27.52-27.84 m 0.32 m lost core
27.84-29.14	1.30	Tuff, light-grey, partly crystallized vitrophyric irregularly mottled with white aphanitic sucrosic material
		27.84-28.04 m pyrite mostly along fractures - minor elsewhere
		28.04-29.14 m grey crystallized vitrophyric, mottled with white sucrosic, less than 1% pyrite along fractures mostly in white sucrosic, minor gypsum along fractures
		28.87 m bands and laminations 1½ cm thick at 20° CA
		29.14 m irregular quartz veinlet 1 cm wide with pyrite aggregates in central part
		SAMPLE 4291 27.84-28.36 m 0.52 m (split core) Au 0.003 oz/T (102 ppb), Ag 0.05 oz/T (1.7 ppm), Cu 291 ppm, Mo 20 ppm, Pb 5 ppm, Zn 35 ppm
		SAMPLE 4292 28.36-29.14 m 0.78 m (split core) Au<0.003 oz/T (<102 ppb), Ag 0.08 oz/T (2.7 ppm), Cu 256 ppm, Mo 16 ppm, Pb 7 ppm, Zn 30 ppm

Metrage	Interval	Description
29.14-29.81	0.67	Fault gouge
		29.14-29.72 m fine-grained altered black fragments consisting of approximately equal parts of angular whitish grains to ½ mm in size in a black matrix all in an earthy clayey rubble
		29.72-29.81 m porous brown silty clayey material
		SAMPLE 4290 29.14-29.81 m 0.67 m (split core) Au 35 ppb, Cu 465 ppm, Mo 32 ppm, Pb 1 ppm, Zn 80 ppm
		29.81 m sharp contact at 43° CA
29.81-32.66	2.85	Tuff, light-grey, crystallized and noncrystallized vitrophyric with white sucrosic mottling, 2-3% fine pyrite along fractures, locally more abundant pyrite in irregular clots to 1½ cm in whitish mottled parts
		29.81-30.04 m chalcopyrite to 1 mm associated with fine pyrite along some fractures
		SAMPLE 4293 29.81-30.69 m 0.88 m (split core) Au 0.008 oz/T (272 ppb), Ag 0.04 oz/T (1.4 ppm), Cu 950 ppm, Mo 16 ppm, Pb 10 ppm, Zn 31 ppm
		SAMPLE 4294 30.69-31.30 m 0.61 m (split core) Au 0.010 oz/T (340 ppb), Ag 0.08 oz/T (2.7 ppm), Cu 480 ppm, Mo 26 ppm, Pb 5 ppm, Zn 32 ppm
		SAMPLE 4295 31.30-32.03 m 0.73 m (split core) Au 0.003 oz/T (102 ppb), Ag 0.06 oz/T (2.0 ppm), Cu 350 ppm, Mo 21 ppm, Pb 12 ppm, Zn 35 ppm
		32.03-32.16 m 0.13 m lost core
		32.36-32.41 m malachite-stained fracture
		SAMPLE 4296 32.16-32.41 m 0.25 m (split core) Au 0.003 oz/T (102 ppb), Ag 0.10 oz/T (3.4 ppm), Cu 780 ppm, Mo 40 ppm, Pb 12 ppm, Zn 34 ppm
		32.41-32.66 m brecciated : veined with quartz, pyrite, and magnetite; locally dark-grey to black with 5-10% irregular white blobs to 3-6 mm in size

Metrage	Interval	Description
32.66-43.59	10.93	Andesite, dark-grey, grain size about 1 mm, magnetic
		32.66-32.94 m porphyritic, up to 10% irregular whitish grains to 5 mm in size (not like crystals), 4-5% pyrite both disseminated and in fractures, few clots of magnetite and chalcopyrite on fractures
		32.94 m contact gradational over 3-5 cm
		32.94-34.14 m about 1% pyrite disseminated and in fractures, few irregular white stringers to 1 mm or so, gypsum along fractures
		SAMPLE 4297 32.41-33.11 m 0.70 m (split core) Au 95 ppb, Cu 850 ppm, Mo 55 ppm, Pb 1 ppm, Zn 44 ppm
		SAMPLE 4298 33.11-34.14 m 1.03 m (split core) Au 20 ppb, Cu 425 ppm, Mo 27 ppm, Pb 1 ppm, Zn 43 ppm
		34.14-34.44 m few streaks of black magnetic material 4 cm long by 2-3 mm wide, 2-3% disseminated pyrite
		SAMPLE 4299 34.14-34.44 m 0.30 m (split core) Au 23 ppb, Cu 435 ppm, Mo 32 ppm, Pb 1 ppm, Zn 46 ppm
		34.44-42.21 m whole box of core missing
		42.21-43.51 m 1.30 m lost core
		43.51-43.59 m non-magnetic, 2-3% rust and sulfides disseminated and along fractures
		43.59 m contact at 20° CA
43.59-79.25	35.66	"Wormy" tuff, light-grey, very fine grained, resembles vitrophyric but with medium-grey areas with light-grey material (prominant on diamond cut surface)
		43.59-45.39 m 1.80 m lost core
		45.39-46.33 m fractured and partly silicified with sucrosic white material, 2-3% pyrite and rust disseminated and along fractures
		SAMPLE 4320 45.39-46.33 m 0.94 m (split core) Au 29 ppb, Cu 235 ppm, Mo 18 ppm, Pb 1 ppm, Zn 22 ppm, Ni 40 ppm
		46.33-47.69 m fresher than right above, gypsum on fractures, pyrite more abundantly disseminated in white silicified patches

Metrage	Interval	Description
		46.33-46.48 m flow? layering at 15° CA
		46.86-47.08 m layering at 20° CA
	SAMPLE 4321	46.33-47.05 m 0.72 m (split core) Au 85 ppb, Cu 360 ppm, Mo 20 ppm, Pb 1 ppm, Zn 19 ppm, Ni 42 ppm
		47.12-47.27 m brecciated with irregular dark-grey fragments to 6-10 cm, abundant disseminated pyrite, irregular whitish masses with irregular dark rusty clots to 1-2 cm
	SAMPLE 4322	47.05-47.69 m 0.64 m (split core) Au 110 ppb, Cu 272 ppm, Mo 23 ppm, Pb 1 ppm, Zn 22 ppm, Ni 46 ppm
		47.69-47.85 m 0.16 m lost core
		47.85-47.98 m whitish-grey, somewhat less silicified
	SAMPLE 4324	47.85-47.98 m 0.13 m (split core) Au 41 ppb, Cu 220 ppm, Mo 13 ppm, Pb 1 ppm, Zn 21 ppm, Ni 42 ppm
		47.98-48.16 m 0.18 m lost core
		48.16-48.37 m somewhat darker-grey, slightly magnetic locally
		48.37-48.90 m medium-light-grey with magnetite veins and veinlets at various orientations, magnetitic clots to 7-8 mm, considerable pervasive whitish silicification, clots of pyrite ½ mm to 2 cm, numerous pyrite-filled veins locally very abundant and disseminated pyrite, quartz vein to 5 mm, few whitish spots to 4 mm, gypsum along fractures
	SAMPLE 4323	48.16-48.90 m 0.74 m (split core) Au 510 ppb, Cu 1900 ppm, Mo 44 ppm, Pb 1 ppm, Zn 42 ppm, Ni 108 ppm
		48.90-49.94 m 80-90% silicified with white sucrosic quartz, few rust spots, pyrite about 1% locally more
		49.55 m clot of pyrite 2-3 cm in size
	SAMPLE 4325	48.90-49.94 m 1.04 m (split core) Au 26 ppb, Cu 178 ppm, Mo 10 ppm, Pb 1 ppm, Zn 18 ppm, Ni 40 ppm

Metrage	Interval	Description
	49.94-50.15 m	0.21 m lost core
	50.15-50.71 m	mostly silicified white sucrosic material with rusty spots
	SAMPLE 4351	50.15-50.71 m 0.56 m (split core) Au 185 ppb, Cu 232 ppm, Mo 15 ppm, Pb 17 ppm, Zn 31 ppm, Ni 41 ppm
	50.71-51.28 m	as above but only 20-30% silicified with white sucrosic material, 2-3% disseminated pyrite
	SAMPLE 4352	50.71-51.28 m 0.57 m (split core) Au 54 ppb, Cu 210 ppm, Mo 10 ppm, Pb 1 ppm, Zn 19 ppm, Ni 30 ppm
	51.28-51.66 m	as above, angular rubble
	51.66-52.02 m	earthy rubble, fault?
	SAMPLE 4353	51.28-52.02 m 0.74 m (split core) Au 170 ppb, Cu 280 ppm, Mo 10 ppm, Pb 1 ppm, Zn 29 ppm, Ni 51 ppm
	52.02-52.16 m	0.14 m lost core
	52.16-52.45 m	very sparse rust and pyrite, not much fractured nor silicified, minor rust on fractures
	52.45-52.67 m	as previous, 1-2% pyrite, minor rust on fractures
	SAMPLE 4354	52.16-52.67 m 0.51 m (split core) Au 23 ppb, Cu 218 ppm, Mo 27 ppm, Pb 1 ppm, Zn 23 ppm, Ni 88 ppm
	52.67-53.80 m	medium-grey with abundant pyrite both disseminated and along fractures, locally 30-40% light-greyish-white grains in darker-grey very fine matrix, locally silicified with white
	52.91 m	layering at about 15^{o} CA
	SAMPLE 4355	52.67-53.80 m 1.13 m (split core) Au 35 ppb, Cu 325 ppm, Mo 31 ppm, Pb 1 ppm, Zn 19 ppm, Ni 106 ppm
	53.80-55.40 m	as above, locally 10-20% white spots, pyrite variable but up to 6-7% very finely disseminated and along fractures

Metrage	Interval	Description
		SAMPLE 4356 53.80-54.78 m 0.98 m (split core) Au 32 ppb, Cu 325 ppm, Mo 10 ppm, Pb 1 ppm, Zn 22 ppm, Ni 135 ppm
		54.78-55.40 m much less pyrite
		SAMPLE 4357 54.78-55.40 m 0.62 m (split core) Au 16 ppb, Cu 203 ppm, Mo 8 ppm, Pb 1 ppm, Zn 22 ppm, Ni 95 ppm
		55.40-56.74 m as above, mostly sparse pyrite, rust on fractures
		55.51 m banding at 15^{o} CA
		55.81-56.15 m 4-5% pyrite disseminated and along fractures, long streaks of magnetite
		56.44 m banding at 15^{o} CA
		SAMPLE 4358 55.40-56.74 m 1.34 m (split core) Au 11 ppb, Cu 190 ppm, Mo 8 ppm, Pb 1 ppm, Zn 20 ppm, Ni 98 ppm
		56.74-58.34 m as above, medium-grey, locally silicified, locally "wormy", few pyrite veinlets - generally less than 1% pyrite but locally to 4-5%, angular greyish-white grains to 1 mm or so in glass-like matrix
		SAMPLE 4359 56.74-58.34 m 1.60 m (split core) Au 75 ppb, Cu 192 ppm, Mo 14 ppm, Pb 1 ppm, Zn 20 ppm, Ni 80 ppm
		58.34-59.73 m as above, whitish alteration in an anastomosing network between dark-grey spots to 2 mm in size and surrounding some dark-grey, 4-5% very finely disseminated pyrite partly associated with white silicification, 5% irregular rusty-brown spots to 1 mm or so on diamond-cut surface, few wispy black magnetic smears on diamond-cut surface up to 8-9 cm long by 1-1½ cm wide aligned at about 20^{o} CA, few veinlets ½ mm wide with pyrite and white alteration extending 1 mm on each side beyond pyrite filling, white-bordered pyrite veinlets and black magnetic wisps more abundant below 58.62 m, one vein at top of interval up to 4 mm wide with some chalcopyrite, thin gypsum along fractures
		59.43 m 1-cm^3 angular fragment of felsitic material: intergrowth of buff and whitish material with grain size to 1 mm, few glassy grains

Metrage	Interval	Description
		SAMPLE 4360 58.34-59.73 m 1.39 m (split core) Au 33 ppb, Cu 435 ppm, Mo 19 ppm, Pb 1 ppm, Zn 25 ppm, Ni 125 ppm
		59.73-61.31 m as above, local white efflorescence along core, inconspicuous layering of clastic fragments
		59.80-59.93 m prominant banding at 20° CA partly marked by black magnetic streaks
		SAMPLE 4361 59.73-60.90 m 1.17 m (split core) Au 20 ppb, Cu 200 ppm, Mo 14 ppm, Pb 1 ppm, Zn 25 ppm, Ni 115 ppm
		60.90-61.31 m fewer sulfides
		61.31-61.56 m white efflorsecence along core
		SAMPLE 4362 60.90-61.56 m 0.66 m (split core) Au 105 ppb, Cu 148 ppm, Mo 28 ppm, Pb 1 ppm, Zn 26 ppm, Ni 95 ppm
		61.56-62.91 m as above, 3-4% sulfides finely disseminated and in veins, local wispy black magnetic streaks, few rounded whitish spots or fine-grained fragments to 15 mm locally
		62.69 m angular fragment of coarse-grained basic rock 3 cm across with 10-20% pyrite
		SAMPLE 4363 61.56-62.91 m 1.35 m (split core) Au 24 ppb, Cu 155 ppm, Mo 4 ppm, Pb 1 ppm, Zn 21 ppm, Ni 107 ppm
		62.91-64.49 m as above
		64.11 m 1-cm quartz vein with pyrite
		64.23 m black magnetic streak at 20° CA
		SAMPLE 4364 62.91-63.84 m 0.93 m (split core) Au 14 ppb, Cu 100 ppm, Mo 7 ppm, Pb 1 ppm, Zn 22 ppm, Ni 120 ppm
		64.49-65.20 m pyritic, prominant layering at 20° CA
		SAMPLE 4365 63.84-65.20 m 1.36 m (split core) Au 18 ppb, Cu 203 ppm, Mo 20 ppm, Pb 1 ppm, Zn 24 ppm, Ni 114 ppm

Metrage	Interval	Description
		65.20-66.09 m as above, silicified with areas up to 8-10 cm of white sucrosic material, locally up to 5-6% pyrite along irregular stringers, some chalcopyrite
		SAMPLE 4366 65.20-66.09 m 0.89 m (split core)
		Au 45 ppb, Cu 335 ppm, Mo 14 ppm, Pb 1 ppm,
		Zn 22 ppm, Ni 90 ppm
		66.09-67.64 m as above, pyritic, locally silicified with buff-white material some in masses 8-10 cm constituting 20% of interval with some extending 2 cm on each side of pyrite veinlets, some clots of chalcopyrite
		66.09-67.09 m layering at 20° CA
		SAMPLE 4367 66.09-66.98 m 0.89 m (split core)
		Au 100 ppb, Cu 880 ppm, Mo 28 ppm, Pb 1 ppm,
		Zn 25 ppm, Ni 137 ppm
		67.07 m rusty fracture with ¼ mm MoS_2 at 45° CA
		67.53 m minor malachite along fracture; layering may be as low as 10° CA
		67.64-69.19 m as above
		67.64-68.00 m medium-grey to dark-grey to medium-greenish-grey to light-grey, fracture with minor malachite stain, large irregular light-greyish-white silicified area, 5% disseminated sulfides : pyrite and chalcopyrite
		SAMPLE 4368 66.98-68.00 m 1.02 m (split core)
		Au 100 ppb, Cu 705 ppm, Mo 180 ppm, Pb 1 ppm,
		Zn 23 ppm, Ni 110 ppm
		68.00-69.19 m 50% silicified with greyish-white, some fractures with minor malachite
		68.25-68.61 m quartz-pyrite-magnetite veins
		SAMPLE 4369 68.00-69.19 m 1.19 m (split core)
		Au 130 ppb, Cu 520 ppm, Mo 24 ppm, Pb 14 ppm,
		Zn 25 ppm, Ni 84 ppm
		69.19-70.00 m as above, 4% finely disseminated pyrite
		69.41-69.72 m irregular quartz, magnetite, and pyrite veins; clasts aligned at 12° CA
		70.00-70.33 m 0.33 m lost core

Metrage	Interval	Description
	70.33-71.12 m	as above, 4% finely disseminated pyrite
	SAMPLE 4370	69.19-70.89 m 1.37 m (split core)
		Au 215 ppb, Cu 380 ppm, Mo 51 ppm, Pb 1 ppm,
		Zn 25 ppm, Ni 100 ppm
	71.12-72.24 m	as above
	71.12-71.35 m	brecciated and veined
	71.35-72.24 m	local quartz-pyrite veins with adjoining whitish bleached zone 7-8 mm wide, locally silicified with pyrite
	SAMPLE 4371	70.89-72.24 m 1.35 m (split core)
		Au 45 ppb, Cu 175 ppm, Mo 18 ppm, Pb 1 ppm,
		Zn 19 ppm, Ni 70 ppm
	72.24-72.71 m	as above, 3-4% finely disseminated sulfides
	72.71-74.06 m	as above, finely disseminated sulfides, local silicification and bleaching 2-3 mm on each side of fractures
	SAMPLE 4372	72.24-73.36 m 1.12 m (representative chips)
		Au 55 ppb, Cu 217 ppm, Mo 18 ppm, Pb 1 ppm,
		Zn 20 ppm, Ni 94 ppm
	74.06-74.76 m	partly silicified, alignment of "worms" at about 20^{o} CA, fine film of gypsum along fractures
	SAMPLE 4373	73.36-74.76 m 1.40 m (representative chips)
		Au 360 ppb, Cu 310 ppm, Mo 115 ppm, Pb 1 ppm,
		Zn 27 ppm, Ni 87 ppm
	74.76-75.16 m	as above, malachite locally along fractures, 1-2% finely disseminated sulfides locally
	SAMPLE 3426	(Imperial Oil Enterprises Ltd.) 72.24-75.29 m
		3.05 m Cu 0.06%, MoS_2 0.005%
	75.16-75.59 m	0.43 m lost core
	75.59-76.10 m	as above, locally 2-3% finely disseminated sulfides, sparse pyrite along fractures locally slightly more abundant and associated with 2-3 mm of white quartz and dark-green chlorite
	SAMPLE 4374	74.76-76.10 m 0.91 m (representative chips)
		Au >10 000 ppb, 0.796 oz/T, Cu 1530 ppm,
		Mo 53 ppm, Pb 1 ppm, Zn 28 ppm, Ni 97 ppm

Metrage	Interval	Description
		76.10-76.35 m 0.25 m lost core
		76.35-77.11 m as above, 3-4% finely disseminated sulfides, some aligned at 20° CA, minor pyrite along fractures
		SAMPLE 4375 76.35-77.11 m 0.76 m (representative chips) Au 145 ppb, Cu 282 ppm, Mo 14 ppm, Pb 1 ppm, Zn 24 ppm, Ni 88 ppm
		77.11-78.61 m as above, minor malachite along fractures locally, finely disseminated pyrite and minor chalcopyrite
		78.11-78.61 m light-greyish-white with irregular discontinuous stringers of pyrite
		SAMPLE 3427 (IOE Ltd.) 75.29-78.33 m 3.04 m Cu 0.08%, MoS_2 0.002%
		SAMPLE 4376 77.11-78.61 m 1.50 m (representative chips) Au 41 ppb, Cu 238 ppm, Mo 15 ppm, Pb 1 ppm, Zn 29 ppm, Ni 97 ppm
		78.61-78.65 m 0.04 lost core
		78.65-79.25 m as above
		78.65-78.75 m whitish with pyrite stringers as in interval right above, malachite staining along fractures
		78.89 m core fragment of partly pyritized basic igneous rock 2 cm in size, grain size 1-2 mm, about half whitish feldspar and half dark-greenish pyroxenes?, discontinuous rim less than 1 mm thick of more chloritized material
		SAMPLE 4377 78.65-79.25 m 0.60 m (representative chips) Au 230 ppb, Cu 3300 ppm, Mo 29 ppm, Pb 1 ppm, Zn 28 ppm, Ni 100 ppm
79.25-99.06	19.81	Core not available; IOE log terms this interval "Chert and Intercalated Volcanics (Chloritized Andesite)" which extends from 29.87-106.07 m
		SAMPLE 3428 (IOE Ltd.) 78.33-81.38 m 3.05 m Cu 0.10% MoS_2 0.002%
		SAMPLE 3429 (IOE Ltd.) 81.38-84.43 m 3.05 m Cu 0.05% MoS_2 0.002%

Metrage	Interval	Description
		SAMPLE 3430 (IOE Ltd.) 84.43-87.48 m 3.05 m Cu 0.05%, MoS_2 0.002%
		SAMPLE 3431 (IOE Ltd.) 87.48-90.53 m 3.05 m Cu 0.08%, MoS_2 0.005%
		SAMPLE 3432 (IOE Ltd.) 90.53-93.57 m 3.04 m Cu 0.09%, MoS_2 0.007%
		SAMPLE 3433 (IOE Ltd.) 93.57-96.62 m 3.05 m Cu 0.09%, MoS_2 0.003%
		SAMPLE 3434 (IOE Ltd.) 96.62-99.67 m 3.05 m Cu 0.08%, MoS_2 0.005%
99.06-101.99	2.93	"Wormy" tuff, similar to 43.59-79.25 m
		99.06-99.96 m 30-40% silicified as whitish patches in previously fractured rock with only local patches of typical "wormy" tuff remaining, veined with pyrite and chalcopyrite
		SAMPLE 4401 99.06-99.96 m 0.90 m (representative chips) Au < 0.003 oz/T (< 102 ppb), Ag 0.12 oz/T (4.1 ppm), Cu 780 ppm, Mo 49 ppm, Pb 9 ppm, Zn 34 ppm
		99.96-99.98 m 0.02 m lost core
		99.98-100.43 m 2-3% pyrite and other sulfides disseminated and along fractures, some greenish chlorite along fractures, practically no white silicification as in interval above
		100.43-101.08 m locally fractured, odd whitish fragment to 12 mm, layering at 28° CA
		SAMPLE 4402 99.98-101.08 m 1.10 m (representative chips) Au 30 ppb, Cu 293 ppm, Mo 39 ppm, Pb 1 ppm, Zn 24 ppm, Ni 91 ppm
		101.08-101.36 m 0.28 m lost core
		101.36-101.96 m pyritic, few whitish spots, lighter-grey along fractures, odd core fragment to 2 cm of very pyritic volcanic rock
		101.96-101.99 m few core fragments of typical "wormy" tuff and one or two of dark-grey cherty tuff at bottom

Metrage	Interval	Description
		SAMPLE 4403 101.36-101.99 m 0.63 m (representative chips) Au 31 ppb, Cu 365 ppm, Mo 38 ppm, Pb 1 ppm, Zn 22 ppm, Ni 76 ppm
		SAMPLE 3435 (IOE Ltd.) 99.67-102.72 m 3.05 m Cu 0.10%, MoS_2 0.003%
101.99-104.24	2.25	Intercalated black cherty rock and "wormy" tuff
		101.99-104.03 m 2.04 m lost core
		104.03-104.24 m few core fragments of black cherty rock and whitish-grey "wormy" tuff with disseminated pyrite
104.24-104.49	0.25	Fault gouge?
		104.24-104.30 m earthy clayey material
		104.30-104.49 m 0.19 m lost core
104.49-105.19	0.70	"Wormy" tuff, similar to 43.59-79.25 m
		104.49-104.88 m 10% silicified with white material
		104.88-105.01 m 0.13 m lost core
		105.01-105.19 m moderately silicified
105.19-106.11	0.92	Chert, light-grey core fragments
		SAMPLE 4404 104.24-105.22 m 0.64 m (representative chips) Au 24 ppb, Cu 205 ppm, Mo 21 ppm, Pb 1 ppm, Zn 23 ppm, Ni 56 ppm
		105.22-105.77 m 0.55 m lost core
		105.77-105.89 m pyritic, fractured with whitish alteration resembling silicification uphole
		105.89-106.07 m 0.18 m lost core
		106.07-106.11 m chert as above
106.11-107.49	1.38	Fault gouge
		106.11-106.20 m light-greyish-white cherty fragments coated with dull earthy material
		106.20-106.38 m 0.18 m lost core

Metrage	Interval	Description
		106.38-106.51 m darker chert fragments coated with dull earthy material
		106.51-106.98 m 0.47 m lost core
		SAMPLE 3436 (IOE Ltd.) 102.72-106.98 m 4.26 m Cu 0.07%, MoS_2 0.002%
		106.98-107.34 m core fragmentsof above chert, "wormy" tuff partly silicified with white, pyritic, odd bit of malachite stain
		SAMPLE 4405 105.77-107.34 m 0.74 m (representative chips) Au 42 ppb, Cu 270 ppm, Mo 20 ppm, Pb 1 ppm, Zn 30 ppm, Ni 54 ppm
		107.34-107.49 m 0.15 m lost core
107.49-114.60	7.11	Latite porphyry, 10-20% white feldspar phenocrysts to 8 mm in size in a medium-grey matrix composed of whitish and greyish grains ½-1 mm in size with few per cent finely disseminated sulfides mostly pyrite but odd spot of malachite stain, up to 5 per cent biotite phenocrysts to 2-3 mm in size downhole with slightly coarser matrix
		108.05-109.00 m few more malachite-stained fractures than uphole
		SAMPLE 4406 107.49-109.00 m 1.51 m (representative chips) Au 42 ppb, Cu 388 ppm, Mo 33 ppm, Pb 4 ppm, Zn 20 ppm, Ni 9 ppm
		109.00-109.12 m 0.12 m lost core
		109.12-114.60 m core not available
		109.12-109.42 m fault according to IOE log
		SAMPLE 3437 (IOE Ltd.) 106.98-110.03 m 3.05 m Cu 0.08%, MoS_2 0.005%
		SAMPLE 3438 (IOE Ltd.) 110.03-113.08 m 3.05 m Cu 0.06%, MoS_2 0.003%
		SAMPLE 3439 (IOE Ltd.) 113.08-116.13 m 3.05 m Cu 0.11%, MoS_2 0.002%

Metrage	Interval	Description
114.60-142.95	28.35	Core not available IOE log terms this interval: 114.60-124.05 m "Chert and Hornfels" 124.05-124.36 m "Feld Porph Fresh" 124.36-142.95 m "Chert and Hornfels"
		SAMPLE 3440 (IOE Ltd.) 116.13-119.18 m 3.05 m Cu 0.06%, MoS_2 0.002%
		SAMPLE 3441 (IOE Ltd.) 119.18-122.22 m 3.04 m Cu 0.07%, MoS_2 0.008%
		SAMPLE 3442 (IOE Ltd.) 122.22-125.27 m 3.05 m Cu 0.05%, MoS_2 0.002%
		SAMPLE 3443 (IOE Ltd.) 125.27-128.32 m 3.05 m Cu 0.11%, MoS_2 0.007%
		SAMPLE 3444 (IOE Ltd.) 128.32-131.37 m 3.05 m Cu 0.10%, MoS_2 0.003%
		SAMPLE 3445 (IOE Ltd.) 131.37-134.42 m 3.05 m Cu 0.08%, MoS_2 trace
		SAMPLE 3446 (IOE Ltd.) 134.42-137.46 m 3.04 m Cu 0.05%, MoS_2 trace
		SAMPLE 3447 (IOE Ltd.) 137.46-140.51 m 3.05 m Cu 0.05%, MoS_2 trace
		SAMPLE 3448 (IOE Ltd.) 140.51-142.95 m 2.44 m Cu 0.05%, MoS_2 trace
142.95	-	End of hole