52F16NW0040 52F16NW0065 ECHO

ONTF- PE12-C-80

010

PROGRESS REPORT

ON A

SURFACE DIAMOND DRILL EXPLORATION PROGRAM

ON

WINDFALL OILS & MINES LIMITED PROPERTY

ECHO & McAREE TOWNSHIPS

NORTHWESTERN ONTARIO

December 31, 1980

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General Geology

The rocks of the Windfall Oils and Mines area consist of a series of Precambrian volcanic rocks in a formation about 2 miles wide in plan. The volcanic rocks are composed of massive pillowed amygdaloidal lava flows interlayered with andesitic tuffs, lapilli tuffs and agglomerate. On the Goldlund property, these trend about North 60° E and dip 75° to 80° southwards. The faulted and folded formations trend N-80°-E across the Windfall ground and then curve southwesterly at the West boundary of Windfall. A multiple sill intrusion of grey granodiorite, 100' to 300' thick follows the contact of andesitic tuff and andesitic pillow lavas at the Goldlund and Windfall shafts. The granodiorite extends over at least 10 miles of strike length. The granodiorite forms a competent rock in the andesitic tuff environment and it was fractured and silicified, varying amounts of carbonization and pyritization occured at different periods.

At Goldlund, the main granodiorite is composed of a multiple of sill intrusions each with chilled contacts. Progression along the granodiorite westward onto the Windfall ground has its component sills separated by ever widening intersill layers of tuffs and andesitic pillow lava formed by the slightly diverging trends of the individual granodiorite sill intrusions.

Faulting

Widely spaced, strong faults cross the main trend of the granodiorite. These faults are commonly marked by the intrusions of waxy, sericitic, quartz-porphyry. The picture of the

faulting pattern is still in the process of discovery and evolution at Windfall. Major faults divide up the granodiorite trend from the east as follows;

The Goldlund Far East Block
The Goldlund 1-27 East Block
The Goldlund East Block
The Goldlund West Block
The Windfall Subsurface West Block Extention
The Windfall East Block
The Windfall Shaft Block

There is a remarkable consistency in the attitude of the gold bearing tension fractures in the granodiorite on all the Goldlund and Windfall blocks. These all trend N to N-15°-E and dip 45 - 55 degrees westwards.

The gold bearing structures - Windfall

Gold bearing quartz veins at Windfall occur as quartz filled fractures contained between the walls of the N-80°-E trend of the granodiorites in Area 2. Three parallel granodiorite dykes that dip 85 - 87 degrees southwards and are 30' to 50' thick, are each fractured, silicified and mineralized with gold. The Area 2 (Windfall Shaft Block) is limited by a waxy quartz-porphyry dyke intruded along the fault which trends northerly and dips about 45 degrees westwards. The fault projects to surface about 250' east of the Windfall shaft.

The tension fractures in the granodiorite are commonly filled with quartz to form a veinlet from a fraction of an inch up to a foot wide. Visible gold is commonly associated with later grey or white quartz introduced into the refractured veins

and adjacent wallrock. The concentration of visible gold occurs along the vein wallrock contact. The total amount of visible gold does not differ recognizably with the thickness of the veinlet, since it is the contacts that contain the visible gold concentrations.

Minerals associated with gold enrichment are most commonly altaite (a lead telluride) and occasionally sphalerite. Pyrite is ubiquitous to all periods of mineralization. One type of pyrite mineralization that occurs as massive veinlets 1" to 4" thick invariably has visible gold mineralization.

The drilling to date in Area 2 shows a remarkable continuity and consisency in the order of magnitide of gold content and continuity down rake westwards, of fracture veinlets, from drill section to drill section.

Current Program Evaluation

During the winter of 1980, this writer made an evaluation of the Windfall property. All available data from underground sampling, mapping, surface and underground drill holes were compiled on a plan and on a longitudinal section, each at a scale of 1" = 20'.

This writer then applied his concept of the pattern and distribution of gold bearing structures developed at the adjoining Goldlund Mine in 1979. A favourable potential for the discovery of a multiple pattern of gold bearing structures was postulated as being worthy of exploration and required testing by surface diamond drilling. A program of 12,000 feet of such surface diamond drilling in 5 areas was recommended as a first phase, the total estimated cost of that first phase was $300,000.00. Preparations on road improvements and camp construction was started in May, 1980.

The preliminary evaluation of the Windfall property indicated that an area of granodiorite near the Windfall shaft was the site of three uncorrelated rich, narrow intersections of visible gold from old surface drill holes. It was planned to test this area within the granodiorite to determine if the postulated pattern of a number of gold bearing structures occurs.

History

During the period 1949 - 1951, exploration work was carried out on the Windfall property. During that period a shaft was sunk to a depth of 200 feet and a 200 foot cross-cut connected the shaft to the 200 ft. level from the Newlund shaft (now the Goldlund Mine). This 200 ft. level was extended as an exploratory drift that followed along the northern or footwall side of the granodiorite, at a distance of ½ mile across the Windfall property then continued across its western boundary into the Conecho claim (now RiocanexLtd.). Much of the 7 ft. X 7½ ft. drift lies 120 ft. to 160 ft. below surface with 100 to 130 feet of rock to ledge.

Underground drilling consisted of 16 flat holes drilled from the E-W trending drift for a total footage of 2,850 feet.

Surface diamond drilling consisted of 17 inclined holes that crossed the trend of the granodiorite at 200 to 300 ft. intervals. Surface drilling totaled about 7,755 feet.

The general results of the past work must have proved disappointing at that time due to the scarcity of good drill hole intersections or underground sampling results. The few widely spaced values could not be correlated.

Preparations

During May and June of 1980, under the supervision of Adrian J. Kuryliw, the Goldlund-Windfall road was extended across the Windfall property to Crossecho lake. The single lane gravel road provides easy access to the camp and drill sites. The initial cost of the road was returned in good measure by a lower drilling contract rate. Tent camps were erected near Crossecho lake. A 16 by 24 ft. office-coreshack was erected using wood frame construction and plywood sheeting.

Surveyors were contracted to carry a survey across the property to Areas 1, 2, 3, 4 using the old Windfall Mine coordinates. This work was completed and the survey points are now being used to spot and survey drill holes.

A 50 foot pole tower was erected for a radio phone.

RESULTS TO DATE

The structural picture is being developed and is still in a state of discovery and evolution. A complete pre-feasability report on Windfall has been started and it is expected to be completed in March 1981. That report will incorporate the Geologic report with ore reserve calculations, Mine exploration and development planning, planned approaches to mining, metallurgical tests, and mill design for Windfall. Studies will also be made on incorporating a parallel custom milling operation in the milling plant. The draughting of mine plans and sections has been started to form the base maps for the complete pre-feasability report.

AREA 1

Two holes were drilled to cross the westward extension of the Goldlund West Zone granodiorite ore structures down its rake below a fault that limited its crest which rakes at 20^{0} to 25^{0} degrees westwards.

Two holes were drilled 80-1 and 80-2. Hole 80-1 was successful in intersecting the projected extension of the Goldlund 103 - 104 West Zone structures as postulated by this writer, the mineralization, fracturing and quartz were typical of that structure. The section also carried significant continuous gold values from 1135.3 - 1156.4.

1135.3 - 1137.0	.02	oz. Au.
1137.0 - 1139.0	.01	" "
1139.0 - 1140.6	.04	" "
1140.6 - 1142.3	.03	" "
1142.3 - 1143.0	.07	" "
1143.0 - 1144.2	.02	" "
1144.2 - 1145.5	.11	" "
1145.5 - 1147.0	.02	" "
1147.0 - 1148.6	.03	" "
1148.6 - 1150.1	.10	" "
1150.1 - 1152.0	.02	" "
1152.0 - 1153.7	Tr	" "
1153.7 - 1154.7	.05	" "
1154.7 - 1156.4	.04	" "

Hole 80-2 was drilled in an attempt to cross the projected extensions of the 1-09 to 1-11 structures of the Goldlund West Zone structures, but this long hole flattened too much and overshot the target.

A total of 2,448 feet were drilled in Area 1.

AREA 2

A pattern of gold bearing quartz filled fractures that strike north to north 15 degrees east and dips 45 to 55 degrees westwards extend across each of three parallel granodiorite dykes. These three dykes at 35 to 55 feet wide and are separated by 2 to 10 feet of greyish andesitic tuff. The total width of dykes averages about 120 feet. The dykes trend about N-80°- E and dip nearly vertical. A concentration of drill holes in a pattern of drill holes from 11,100 E to 11,700 E along the dykes and across the gold bearing structures indicates that the gold bearing fractures form a mineralized zone across the three dykes that plunges westwards at about 30° - 40°. This zone was tested to a depth of 500 feet but the drill holes tend to bend off their intended direction and wander out of the granodiorite dykes so that depth extensions are difficult to obtain by long drill holes.

A total of 26 drill holes all of AXT core size (except Hole 30 which is BQ core size) were drilled, these holes totalled 10,600.5 feet.

The following diamond drill intersections were obtained in Area 2. Only V.G. intersections or intersections with gold values over 0.20 ounce gold per ton are listed below. More details can be obtained from the drill logs.

Hole	Footage	oz's Au. Assay	In feet Width
80- 4	184.1 - 184.7	.48 V.G.	0.6'
	229.1 - 229.8	.32	0.7'
80- 5	143.2 - 143.7	1.53	0.5'
80- 6	90.0 - 91.0	.063 V.G.	1.0'
	113.6 - 114.6	.64 V.G.	1.0'
	106.0 - 106.8	.04 V.G.	0.8'
	134.0 - 135.0	2.12 V.G.	1.0'
	199.0 - 199.8	.86	0.8'
	268.0 - 268.7	.336	0.7'
	294.8 - 295.6	.73 V.G.	0.8'
	308.2 - 309.8	.20	1.6'
	343.4 - 344.1	.597 V.G.	0.7'
	383.8 - 385.1	.16 V.G.	1.3'
	401.4 - 402.8	.023 V.G.	1.4'
80- 7	107.0 - 108.2	.36	1.2'
	114.6 - 115.2	.32	0.6'
	132.5 - 133.5	.27	1.0'
	206.5 - 207.2	1.54 V.G.	0.7'
	223.0 - 223.9	.16	0.9'
	281.8 - 282.8	12.25 V.G.	1.0'
	290.1 - 290.8	.20	0.7'
	334.2 - 335.5	.287 V.G.	1.3'
	335.5 - 336.5	.319 V.G.	1.0'
	337.5 - 339.0	.31	1.5'
	385.5 - 386.5	.026 V.G.	1.0'
	390.5 - 391.9	.01 V.G.	1.4'
80- 8	143.0 - 144.7	.083 V.G.	1.7'
	165.0 - 165.6	8.123 V.G.	0.6'
	236.0 - 236.6	.726 V.G.	0.6'
	250.5 - 251.1	.036 V.G.	0.6'
	333.3 - 333.9	.82 V.G.	0.6'
80- 9	80.3 - 80.9	.22 V.G.	0.6'
	117.0 - 117.6	.14 V.G.	0.6'
	119.3 - 120.3	.04 V.G.	1.0'
	124.3 - 125.0	.13 V.G.	0.7'
	128.0 - 128.5	.60 V.G.	0.5'
	175.0 - 175.6	1.50 V.G.	0.6'
	225.6 - 226.2	.04 V.G.	0.6'
	302.8 - 303.3	1.59 V.G.	0.5'
	303.9 - 305.6	.36	0.6'
	331.0 - 331.9	Tr V.G.	0.9'
	361.2 - 361.8	.02 V.G.	0.6'

Hole	Footage	oz's Au. Assay		In feet Width
80-11	209.0 - 210.0	.42		1.0'
	249.0 - 250.0	.20	V.G.	1.0'
80-12	33.0 - 34.0	.02	V.G.	1.0'
	47.0 - 47.8	.45	V.G.	0.8'
	178.0 - 178.8	.323		0.8'
	212.5 - 213.2	.26		0.7'
80-13	172.5 - 173.0	.81		0.5'
	214.3 - 215.0	.82	V.G.	0.7'
	265.0 - 265.7	.40	V.G.	0.7'
	295.7 - 296.5	1.10		0.8'
	329.7 - 330.6	1.33	V.G.	0.9'
	348.0 - 349.2	5.83	V.G.	1.2'
	455.0 - 456.0	2.16	V.G.	1.0
	495.0 - 495.9	2.45	V.G.	0.9'
80-14	313.0 - 313.8	.55		0.8'
	337.2 - 337.7	.85		0.5'
	365.7 - 366.7	.10	V.G.	1.0'
	340.0 - 340.6	Tr	V.G.	0.6'
	451.7 - 454.0	.30		2.3'
	619.3 - 620.0	.-1		0.7'
80-15	50.0 - 51.0	.26		1.0'
	188.4 - 188.9	.02	V.G.	0.5'
	200.5 - 201.0	.22		0.5'
	332.4 - 333.3	.20	V.G.	0.9'
80-17	87.5 - 88.8	.02	V.G.	1.3'
80-18	26.0 - 26.7	3.25	V.G.	0.7'
	37.5 - 40.0	1.44		2.5'
80-19	367.0 - 368.0	.01	V.G.	1.0'
	380.0 - 381.4	.25	V.G.	1.4'
	395.4 - 396.3	.44		0.9'
80-25	159.0 - 159.8	.72		0.8'
	191.2 - 192.2	.69	V.G.	1.0'
	269.0 - 269.7	.18	V.G.	0.7'
	276.3 - 277.3	.18		1.0'
	408.4 - 409.6	.13	V.G.	1.2'
80-26	73.4 - 74.5	1.11		1.1'
	79.3 - 80.3	1.29	V.G.	1.0'
	91.4 - 92.7	.33	V.G.	1.3'
	100.0 - 101.4	.25		1.4'
	240.0 - 240.8	3.17	V.G.	0.8'
	382.0 - 383.3	.62	V.G.	1.3'
	386.6 - 388.6	1.23		2.0'
	388.6 - 389.7	.78		1.1'
	389.7 - 390.7	.84	V.G.	1.0'
	390.7 - 391.8	.47	V.G.	1.1'

Hole	Footage	oz's Au. Assay		In feet Width
80-27	278.1 - 278.7	.20	V.G.	0.6'
	321.0 - 321.5	.63		0.5'
80-28	26.0 - 26.9	.21		0.9'
	74.0 - 74.7	.81		0.7'
	242.8 - 243.5	.18	V.G.	0.7'
	255.0 - 256.4	.21		1.4'
	288.0 - 288.5	.20		0.5'
	312.6 - 314.2	.24		1.6'
	422.0 - 422.6	1.16		0.6'
80-29	339.4 - 340.4	3.56	V.G.	1.0'
80-30	128.3 - 129.5	.03	V.G.	1.2'
	177.6 - 178.2	.15		0.6'
	193.5 - 194.2	6.83	V.G.	0.7'
	201.0 - 201.6	1.57		0.6'
	212.0 - 212.5	.12		0.5'
	265.7 - 266.3	.26		0.6'
	443.0 - 444.2	3.23	V.G.	1.2'

AREA 3

A pattern of gold bearing quartz filled fractures that strike north to N-15° degrees East and dips 45 to 55 degrees westwards, are well developed in the north and central dykes but not in the southernmost of the same three granodiorite dykes that were tested in Area 2. The three dykes change their strike trend from N-80-E in Area 2 south westerly across the Riocanex boundary to the west. The dip of the dykes also flattens to about 60° southwards. The granodiorite dykes in Area 3 also tend to widen westwards, the northerly and central dykes are 40 to 60 feet thick each and are separated by about 10 feet of tuff. In Area 3 the southerly granodiorite dyke is separated from the central dyke by 30 to 40 feet of andesitic pillow lava and it is relatively unfractured and unmineralized, probably due to the fact that it was too thick and competent to be fractured by the stresses prevalent in that Geologic period.

A concentration of drill holes were drilled largely on the northerly dyke from 9850 E to 10500 E and these indicate a concentration of gold bearing fractures that form a zone that plunges southwestwards at about 30 to 50 degrees. This zone was tested to a depth of 400 feet down the plunge of the zone.

A total of 17 drill holes of B-Q core were drilled that totalled 6,472.9 feet.

The following drill hole intersections were obtained in Area 3. Only V.G. intersections or intersections with gold values over 0.20 ounce gold per ton ore listed below. More details can be obtained from the drill logs.

Hole	Footage	oz's Au. Assay		In feet Width
80-23	289.6 - 290.6	.96	V.G.	1.0'
80-31	70.0 - 71.4	.23		1.4'
	173.3 - 174.1	.03	V.G.	0.8'
	228.0 - 228.8	.29	V.G.	0.8'
	379.5 - 380.3	.08	V.G.	0.8'
	424.0 - 424.6	.09	V.G.	0.6'
	446.5 - 447.5	1.43	V.G.	1.0'
	518.2 - 519.4	.07	V.G.	1.2'
80-32	350.5 - 351.0	.60		0.5'
80-33A	65.0 - 66.0	1.79		1.0'
	115.0 - 115.8	.82	V.G.	0.8'
	136.0 - 137.2	6.25	V.G.	1.2'
	150.3 - 151.1	.63		0.8'
	163.0 - 163.8	12.63	V.G.	0.8'
	182.0 - 183.0	2.24	V.G.	1.0'
	183.9 - 185.2	.14	V.G.	1.3'
	231.8 - 232.7	.09	V.G.	0.9'
	245.5 - 247.0	.41		1.5'
	409.2 - 410.2	.08	V.G.	1.0'
	415.5 - 416.4	Tr	V.G.	0.9'
	421.5 - 422.8	.45	V.G.	1.3'
80-34	54.5 - 56.0	.23		1.5'
	98.9 - 99.8	.13	V.G.	0.9'
	174.2 - 174.8	.31		0.6'
	199.0 - 199.8	3.43	V.G.	0.8'
	230.0 - 231.0	.36	V.G.	1.0'
	336.2 - 337.2	.83	V.G.	1.0'
	421.0 - 442.0	.40		1.0'
80-35	31.3 - 31.8	.70	V.G.	0.5'
	115.3 - 116.1	.07	V.G.	0.8'
	116.8 - 117.6	.15	V.G.	0.8'
	135.1 - 135.9	.18	V.G.	0.8'
	158.6 - 159.5	.98	V.G.	0.9'
	175.6 - 176.8	.07	V.G.	1.2'
	222.8 - 224.2	.05	V.G.	1.4'
	248.5 - 249.0	.83		0.5'
	250.0 - 250.5	.77		0.5'
	252.4 - 253.3	.25		0.9'
	263.4 - 264.0	.66	V.G.	0.6'
	360.0 - 360.5	.25		0.5'
	364.0 - 364.5	1.12		0.5'

Hole	Footage	oz's Au. Assay		In feet Width
80-36	59.6 - 60.3	6.30		0.7'
	77.4 - 78.4	1.89	V.G.	1.0'
	78.4 - 79.5	.66	V.G.	1.1'
	82.0 - 82.9	.29		0.9'
	82.9 - 83.6	.29		0.7'
	89.0 - 90.8	.19		1.8'
	134.5 - 135.3	.04	V.G.	0.8'
	155.5 - 156.2	1.59	V.G.	0.7'
	205.8 - 206.5	.77		0.7'
	315.4 - 316.2	.02	V.G.	0.8'
	328.2 - 328.9	.02	V.G.	0.7'
	372.0 - 372.9	.15	V.G.	0.9'
	466.5 - 467.5	2.00	V.G.	1.0'
	470.5 - 471.8	.27		1.3'
80-37	184.0 - 184.7	1.59	V.G.	0.7'
	233.0 - 233.7	9.49		0.7'
	238.7 - 239.3	1.26		0.6'
	257.1 - 258.0	.21		0.9'
	279.1 - 279.6	.20		0.5'
	285.0 - 285.5	.18		0.5'
	370.0 - 370.8	.20		0.8'
	478.0 - 478.5	.38		0.5'
80-38	119.9 - 120.8	.88		0.9'
	134.6 - 135.6	.28	V.G.	1.0'
	221.0 - 221.6	2.12	V.G.	0.6'
	259.5 - 260.2	.19		0.7'
80-39	28.0 - 29.3	.11	V.G.	1.3'
	91.3 - 92.7	.26	V.G.	1.4'
	94.0 - 95.7	.18		1.7'
	128.0 - 129.2	.13	V.G.	1.2'
	137.3 - 138.0	.54	V.G.	0.7'
	144.2 - 144.7	.19		0.5'
	149.5 - 150.5	.17		1.0'
	152.1 - 153.1	.14	V.G.	1.0'
	236.0 - 237.0	.07	V.G.	1.0'
	288.5 - 289.5	.12	V.G.	1.0'
	367.5 - 368.0	.38		0.5'
	508.3 - 510.3	.56		2.0'
80-40	54.3 - 54.9	.77	V.G.	0.6'
	67.2 - 67.9	.64		0.7'
	173.9 - 175.1	.09	V.G.	1.2'
	198.9 - 200.0	.21	V.G.	1.1'
	202.7 - 204.5	.34	V.G.	1.8'
	285.0 - 285.5	.37		0.5'
	288.3 - 289.0	.19		0.7'

Hole	Footage	oz's Au. Assay	In feet Width
80-43	214.5 - 215.9	5.52 V.G.	1.4'
	271.7 - 272.5	.87	0.8'
	408.3 - 409.0	.30 V.G.	0.7'
80-44	33.0 - 34.3	.17 V.G.	1.3'
	187.3 - 187.8	.36	0.5'
	206.6 - 207.2	.33	0.6'
	289.8 - 290.4	1.65 V.G.	0.6'
	491.3 - 492.5	.10 V.G.	1.2'

AREA 4

One drill hole No. 80-41 was drilled flatly southwards 882 feet from a point ½ mile north of the Area 2. This cross section hole was drilled to explore for a mineralized extension of the Goldlund No. 2 and No. 3 Zone granodiorites.

The granodiorite was crossed but the intrusion manifested itself as a globular infiltration and impregnation of the epidotized lapilii tuffs. No significant gold mineralization or quartz filled fracturing was located except for a narrow low grade gold intersection in a feldspar porphyry dyke.

AREA 5

This area was not drilled, it covers a claim wedge caught between Riocanex claims about ¼ mile southwards of Area 3 and it is an extension of the Area 3 granodiorites. It was not considered the right time to explore that area without some independent or joint activity with Riocanex.

The total diamond drill footage drilled during the 1980 program on Wir fall is 20,353.5 feet.

REGISTERED PROFESSIONAL ENGINEER
KURYLIW
PROVINCE OF ONTARIO

Dec 31/80

63.3934

OM15 PE12 - C-80

4000 Yonge Street
Apartment 411
Toronto, Ontario
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August 5th, 1982

Ministry of Natural Resources
Ontario Mineral Exploration Program
Room 4649, Whitney Block
99 Wellesley Street West
TORONTO, Ontario
M7A 1W3

Ministry of Natural Resources
RECEIVED
AUG 00 19XX
THE DIRECTOR
MINING TAXATION AND
OMEP OFFICE

Attention Mr. F.W. Pooley

Dear Sir:

RE: TARBUSH LODE MINING LIMITED

Please find enclosed technical data as requested for Program OM15-12-C-80:

1) Diamond Drilling Logs T-80-1, 2 and 3 inclusive;
2) Report on Magnetic Survey by C.J. Kuryliw, P.Eng.;
3) Report on Magnetic Survey by Robert L.V. Ekstrom, P.Eng.;
4) Plan of Magnetic Survey by C.J. Kuryliw, P.Eng.;
5) Plans of Magnetic Survey Sheets 1, 2 and 3W and 1E by R.L.V. Ekstrom, P.Eng.

Yours very truly,

P.S. Broadhurst, P.Eng.

PSB*smh
Enclosures

* AUTO POSITIVES FILED IN TOP DRAWER OF MAP CABINET

Ministry of Natural Resources
Ontario

Your file:

Our file:

NOTE: a) TWO(2) MAGNETOMETER SURVEYS WERE EXTRACTED FROM THIS O.M.E.P. SUBMITTAL. THEY (2.3879, 2.3930) WERE PREVIOUSLY FILED FOR ASSESSMENT CREDIT.

b) THREE (3) DRILL HOLE LOGS WERE ALSO EXTRACTED, SINCE THEY HAD BEEN GRANTED CREDITS - SEE D.D. McAREE 19, REPORT OF WORK 34-81 AND 41-81. (HOLES T-80-1, T-80-2, T-80-3)

The Property

The Windfall Oils and Mines Ltd. property is located in Echo and McAree Twps., in the Sioux Lookout Mining Division of Northwestern Ontario. It consists of a contiguous group of patented claims; 13 in Echo Twp., and 6 in McAree Twp. as listed below:

In Echo Twp.

KRL 21448	KRL 21453	KRL 22678
KRL 21449	KRL 21454	KRL 22679
KRL 21450	KRL 21455	KRL 22680
KRL 21451	KRL 21456	
KRL 21452	KRL 21457	

In McAree Twp.

KRL 22781	KRL 22684
KRL 22682	KRL 22685
KRL 22683	KRL 22686

1/3

Diamond Drilling

Area

Report Nº

Work performed by:

Claim Nº	Hole Nº	Footage	Date	Note
21456	80-1	1460.0	June 9/80	
21448	80-2	988.0	Aug 11/80	
21447	80-3	271.0	Aug 27/80	
	80-4	284.0	June 25/80	
	80-5	209.0	June 30/80	
	80-6	510.0	July 9/80	
	80-7	486.0	July 14/80	
	80-8	418.0	July 15/80	
	80-9	474.0	July 29/80	
	80-10	91.0	July 31/80	
	80-11	380.0	Aug 6/80	
	80-12	343.0	Aug 7/80	
	80-13	622.0	Aug 22/80	
	80-14	646.0	Sept 3/80	
	80-15	357.0	Sept 18/80	
	80-15A	460.5	Sept 24/80	
	16 DH	7,999.5 FT		

Notes:

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Diamond Drilling

Area

Report Nº

Work performed by:

Claim Nº	Hole Nº	Footage	Date	Note
21456	80 - 16	75.0	Aug 13/80	
21448	80 - 17	161.0	Aug 19/80	
21447	80 - 18	140.0	Aug 22/80	
	80 - 19	580.0	Aug 12/80	
	80 - 20	343.0	Sept 24/80	
	80 - 21	395.0	Aug 17/80	
	80 - 22	292.0	Aug 26/80	
	80 - 23	465.0	Aug 23/80	
	80 - 24	684.0	Oct 22/80	
	80 - 25	554.0	Oct 12/80	
	80 - 26	395.0	Oct 31/80	
	80 - 27	384.0	Nov 10/80	
	80 - 28	488.0	Nov 22/80	
	80 - 29	562.0	Nov 6/80	
	80 - 30	464.0	Nov 16/80	
	80 - 31	700.0	Aug 30/80	
	80 - 32	458.0	Sept 4/80	
	17 D.H	7,140.0 Ft		

Notes:

3/3

Diamond Drilling

Area

Report Nº

Work performed by:

Claim Nº	Hole Nº	Footage	Date	Note
21456	80 - 33	74.0	Sept 7/80	
21448	80 - 33A	488.0	Sept 18/80	
21447	80 - 34	448.0	Sept 25/80	
	80 - 35	428.0	Oct 4/80.	
	80 - 36	577.5	Oct 13/80	
	80 - 37	488.0	Oct 13/80	
	80 - 38	298.0	Oct 8/80	
	80 - 39	519.5	Nov 3/80	
	80 - 40	298.0	Oct 18/80	
	80 - 41	882.0	Aug 10/80	
	80 - 42	248.0	Oct 22/80	
	80 - 43	458.0	Oct 23/80	
	80 - 44	503.0	Nov 6/80	
	13 DH	5,710.0 FT		

TOTALS - 46 DH 20,849.5 FT

Notes:

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 1 SHEET NO. 1

LATITUDE 13529.48 DATUM B.Q. Core stored in office at Windfall STARTED June 9, 1980

DEPARTURE 12107.45 BEARING S 2° 42' 23" W COMPLETED July 20, 1980

ELEVATION 9914.20 DIP -67° 46' 53" ULTIMATE DEPTH 1460'

DEPTH FEET	FORMATION			SAMPLE NO	FROM	TO	WIDTH	OZS. Au
	Collar	-68½°	S - 2° 42' - W					
	200'	-66°	S - 7° - W					
	485'	-64°	S - 13° - W					
	700'	-49°	S - 33° - W					
	900'	-46°	S - 37½° - W					
	1100'	-43°	S - 41° - W					
	1300'	-39°	S - 47° - W					

FOOTAGE	HORIZ	VERT
0-100'	36.6	93.0
100'-340'	97.6	219.3
340'-590'	109.6	224.7
590'-800'	137.8	158.5
800'-1000'	138.9	143.9
1000'-1200'	146.3	136.4

REGISTERED PROFESSIONAL ENGINEER C. J. KURTLIW PROVINCE OF ONTARIO

DRILLED BY Kenora Diamond Drilling Co B.Q.-CORE

SIGNED C. J. Kurtliw

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 1 SHEET NO. 1

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING (see next page for info.) COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
0 - 41	Casing, mostly fine clay						
41.0 - 87.3	Andesite, amphibolized, dark greenish fine grained, some pillowed lava rims, and amygdules minor fine specs of PO and traces of Chalco-PY, some minor epidote alt'n at 73.0', the rock is dense and fine grained at 87.3', the gabbro contact is sharp and runs at 27 degrees to the core axis. From 72.5 - 73.0						
72.5 - 73.0	Sample	1			.5	Trace	
	Anticite strongly epidotized, minor PY, PO, traces chalco, the three 1/2" QTZ stringers run perpendicular to the core.						
87.2 - 445.0	Gabbro, with a chilled contact at 87.3' which runs 27 degrees to core axis becomes progressively coarser grained over a 3' core section till it becomes med. grained, the main body of the gabbro is massive equigranular, it is composed of 50 - 60 % amphiboles and about 40% feldspar. The gabbro becomes progressively finer grained with magnetite and becomes similar to andicite.						

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 1 SHEET NO. 2

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
77.6 - 78.2	Gabbro 2" glassy QTZ vien running 35 degrees to	2			.6	Trace	
	the core axis, traces of PY PO and chalco.						
135.0 - 135.5	Gabbro, 1" glassy QTZ vien runs 30 degrees to	3			.5	tr	
	core, minor PY PO.						
138.5 - 139.5	Gabbro, two 1/2" glassy QTZ stringers, minor PY	4			1.5	tr	
	PO.						
143.0 - 144.5	Gabbro, slightly sheared, 5% QTZ in stringers,	5			1.5	tr	
	trace PY PO.						
153.2 - 154.0	Gabbro, 30% glassy QTZ, running to 35 degrees	6			.8	tr	
	core axis.						
245.1 - 246.0	Gabbro, 10% QTZ stringers, some epidote, minor	7			.9	tr	
	PY in QTZ.						
Note:	At 238' and 245' there are slicken- sided frac-						
	tures running at 10 degrees to core axis, this						
	caused loss of water and required heavy cement-						
	ing.						
251.9 - 252.4	Gabbro, 3" QTZ vienlet at 40 degrees to core	44			.6	tr	
	looks barren.						

P 1 11

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 1 SHEET NO. 3

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au	
255.7 - 256.1	Gabbro, 1/2" QTZ vienlet at 60 degrees to core,	45			.4	tr	
	2% PO.						
262.7 - 263.2	Gabbro, 1" QTZ vienlet at 50 degrees to core,	46			.5	tr	
	minor PO						
265.0 - 265.5	Gabbro, 1" QTZ filled fracture at 45 degrees	47			.5	tr	
	to core. 1/2% PO.						
268.0 - 268.4	Gabbro, 1" QTZ epidote vien, minor PO.	48			.4	tr	
281.5 - 282.0	Gabbro, 2" QTZ vien, glassy at 45 degrees to core,	49			.5	tr	
	looks barren.						
293.4 - 294.0	Gabbro, two 1/2" QTZ vienlets epidote, minor PO	50			.6	tr	
328.0 - 328.5	Gabbro, two inch QTZ vienlet, 1% PO	51			.5	tr	
335.0 - 335.6	Gabbro, 1" QTZ chlorite vienlet, 2% PO, 1% PY	52			.6	tr	
	trace chalco.						
366.2 - 367.8	Gabbro, two 1" QTZ vienlets at 45 degrees to core,	53			.6	tr	
	looks barren						
375.7 - 376.2	Gabbro, 1" QTZ vienlet at 45 degrees to core,	54			.5	tr	
	1% PO, minor PY.						
445.0 - 482.5	QTZ- por'y dyke with 10% opalescent blue QTZ						
	pheno's, the rock is brownish-grey with 1 - 2%						
	PO and 10% fine biotite. The QTZ pheno's are up						
	to 5mm in diameter.						

DRILLED BY [illegible] SIGNED [signature]

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 1 SHEET NO. 4

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
509.0 - 510.8	QTZ por'y, sheared sericitic 4% dissem. PY minor sil'n.	127			1.8	tr	
512.7 - 516.0	QTZ Por'y 3% dissem. PY	128			3.3	tr	
516.0 - 521.5	QTZ Por'y, slightly sheared 2% dissem. PY, 1/2" QTZ, Stringer at 30 degrees to core	129			5.5	tr	
528.7 - 531.5	QTZ Por'y, 3% dissem. PY, blue QTZ pheno's up to 5mm diam.	130			2.8	tr	
538.0 - 538.7	QTZ Por'y, 1/2 " QTZ vienlet at 50 degrees to core, trace of chalco in QTZ, minor PY.	131			.7	tr	
540.3 - 540.8	QTZ Por'y, a 1/4" QTZ vienlet at 35 degrees to core, minor PY	132			.5	tr	
542.3 - 543.5	QTZ Por'y, a 1" barren QTZ vienlet at 39 degrees to core, minor PY	133			1.2	tr	
561.0 - 563.1	QTZ Por'y, 3% dissem. PY	134			2.1	tr	
563.1 - 563.9	QTZ por'y, slightly sheared, 7% dissem.PY	135			.8	tr	
565.5 - 567.4	QTZ Pot'y, slightly sheared, 1% dissem. PY	136			1.9	tr	
571.1 - 573.1	QTZ Por'y, 3% dissem. PY	137			2.0	tr	
575.2 - 577.0	QTZ Por'y, 3% dissem PY	138			1.8	tr	

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SIGNED [illegible]

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 1 SHEET NO. 5

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
581.0 - 584.7	QTZ-por'y, coarse blue QTZ pheno's, 2 1/2" QTZ	153			3.7	tr	
	vienlets, 3% PY in fractures and dissem.	154			2.5	tr	
585.0 - 587.5	QTZ-por'y, 2 1/2" QTZ vienlets, 1%PY						
590.7 - 592.5	QTZ-por'y, 3% dissem. PY	155			1.8	Tr.	
594.0 - 596.5	QTZ-por'y, 3% dissem. PY	156			2.5	Tr.	
NOTE:	Lost core from 588.3' to 590.3'						
598.6 - 601.2	QTZ-por'y, partly sheared and seric'd, 3% dissem.	157			2.6	Tr.	
	PY.						
602.5 - 605.5	QTZ-por'y, partly sheared, 2% dissem.PY	158			3.0	Tr.	
607.5 - 608.0	QTZ-por'y, 5% dissem. PY	159			.5	Tr.	
618.8 - 620.2	QTZ-por'y, 5% PY in massive streaks along frac-	160			1.4	Tr.	
	tures, minor QTZ.						
628.0 - 631.2	QTZ-por'y, partly sheared, 3% PY in streaks.	161			3.2	Tr.	
636.7 - 638.3	QTZ-por'y, minor QTZ in stringers, 3% dissem. PY	162			1.6	Tr.	
NOTE:	From 640' - 641.5' lost core						
642.7 - 645.5	QTZ-por'y, partly sheared, 2% dissem. PY, 2% PY	163			2.8	Tr.	
	along fractures.						

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 1 SHEET NO. 6

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au
653.0 - 656.2	QTZ-por'y, partly sheared, 4% dissem. PY, 2% PY	164			3.2	TR.
	in fractures.					
657.0 - 659.2	QTZ-por'y, slight sol'n, 3% dissem. PY	165			2.2	TR.
670.7 - 672.3	QTZ por'y, minor sol'n, 2% dissem. PY	166			1.6	TR.
678.5 - 679.2	QTZ-por'y, minor sol'n, 5% dissem. PY, minor PO	167			.7	TR.
	and traces of chalco-pyrite and ZNS					
679.2 - 682.0	QTZ-por'y, minor sol'n, partly bleached, 2%	168			2.8	TR.
	dissem. PY, 1/2% PO					
682.0 - 683.1	QTZ-por'y, partly sil'd, 4% PY, 2% PO, traces	169			1.1	TR.
	of ZNS					
687.3 - 689.0	QTZ- por'y, minor sol'n, 4% dissem. PY, 1% PO	170			1.7	TR.
694.7 - 696.7	QTZ-por'y, partly sheared, 3% dissem. PY	171			2.0	TR.
708.0 - 709.3	QTZ-por'y, partly sheared, 2% dissem. PY	172			1.3	TR.
713.0 - 715.8	QTZ-por'y, partly sheared, slightly sol'd, 1%					
	dissem. PY	173			2.8	TR.
716.8 - 718.0	QTZ-por'y, 1/2" glassy QTZ vienlet at 30 degrees	174			1.2	TR.
	to core axis, 1% PY, minor PO					
726.0 - 728.0	QTZ-por'y, numerous hairline fractures filled	175			2.0	TR.
	with QTZ-carb. The QTZ-cab. is pink in part and					
	carries 2% PY.					
736.3 - 738.4	QTZ-por'y, numerous hairline fractures filled	176			2.1	TR.
	with QTZ-carb, 2% PY.					

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 1 SHEET NO. 7

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au	
NOTE:	To 739.0 the QTZ-por'y is greyish to buff in colour with 10% coarse bluish QTZ pheno's with some sericitization and some dissem. PY in sections, from 739.0 to the gabbro contact the QTZ-por'y becomes greyish, less sericitic but still contains about 5% coarse pheno's up to 6mm. in diameter.						
749.0 - 750.0	QTZ-por'y, partly sheared at 35 degrees to core, ¼" QTZ-carb. stringer, 1% PY and 1/4% ZNS.	177			1.0	Tr.	
750.0 - 753.0	QTZ- por'y, partly sheared, several 1/4" QTZ-carb. vienlets, 1/2% PY, traces ZNS.	178			3.0	Tr.	
766.8 - 825.7	Gabbro, magnetic type, dark, greenish, med. g grained, 7% magnetite in grains, 1/2mm in diameter., It forms a sharp contact with QTZ-por'y at 766.8 which runs at 35 degrees to core axis.						
819.6 - 820.7	Gabbro, with 3 tongues of grano'd, cutting across gabbro the dykelets run at 65 degrees to the core axis, 1% dissem. PY	179			1.1	Tr.	
825.7 - 829.5	Grano'd, partly fractured and sol'd, brownish, with contacts at 65 degrees to core axis.						

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 1 SHEET NO. 8

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au	
829.5 - 839.5	Magnetic gabbro, dk. greenish, medium grained,						
	5% magnetite partly sheared.						
839.5 - 845.0	Grano'd, greyish to brownish grey, with sol'd						
	and alt'd sections, mineralized with PY, typical						
	Goldlund #1 Zone grano'd. Probably represents						
	the Windfall shaft grano'd block.						
825.5 - 827.6	Grano'd, pinkish, partly solicified, 2 1/4" QTZ	180			2.1	Tr.	
	vienlets at 40 degrees to the core, 3% dissem. PY						
827.6 - 829.7	Grano'd, some pinkish QTZ-carb alt'n, 2% dissem.	181			1.1	Tr.	
	PY.						
834.2 - 836.6	Gabbro, 5% QTZ in fractures, 3% dissem. PY, minor	182			2.4	Tr.	
	PO						
839.6 - 843.1	Grano'd, brownish grey, med. grained, 1% PY	183			3.5	Tr.	
843.1 - 844.3	Grano'd, 3 1/4" QTZ vienlets in fractures run-	184			1.2	Tr.	
	ning at 60 degrees to the core axis. Some minor						
	wall rock sol'n, 3% dissem PY.						
844.3 - 845.3	Grano'd, strong QTZ-carb. alt'n, pinkish, 7%	185			1.0	Tr.	
	dissem. PY, looks good.						
845.3 - 848.0	Grano'd, greyish, med. grained, 2 1/4" QTZ frac-	186			2.7	Tr.	
	tures at 60 degrees to core, 1% dissem. PY						
848.0 - 849.2	Grano'd, slightly alt'd, 3% dissem. PY.	187			1.2	Tr.	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 1 SHEET NO. 9

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
849.2 - 851.0	Grano'd, greyish, 1/2% dissem. PY	188			1.8	Tr.	
851.0 - 851.8	Grano'd, med. QTZ-carb. alt'n, 3% dissem. PY,	189			.8	Tr.	
	2 1/4" QTZ filled fractures,						
851.8 - 853.5	Grano'd , Grano'd, greyish, minor PY	190			1.7	Tr.	
853.5 - 854.6	Grano'd, strong QTZ-carb. alt'n, 4% dissem. PY,	191			1.1	Tr.	
	looks good.						
854.6 - 856.6	Grano'd, weak to med. QTZ-carb. alt'n, 2%	192			2.0	Tr.	
	dissem PY						
856.6 - 859.3	Grano'd, greyish, looks barren	193			2.7	Tr.	
859.3 - 860.7	Grano'd, med. QTZ-carb alt'n, 3% dissem. PY	194			1.4	Tr.	
860.7 - 862.4	Grano'd, greyish, weak QTZ-carb alt'n, 1% dissem.	195			1.7	Tr.	
	PY						
862.4 - 864.9	Grano'd, greyish, minor QTZ-carb. alt'n, 1% PY	196			2.5	Tr.	
864.9 - 866.5	Grano'd, greyish, 2 1/4" QTZ filled fractures	247			1.6	Tr.	
	with disseminated PY						
866.5 - 870.2	Grano'd, greyish, med. grained, looks barren.	248			3.7	Tr.	
870.2 - 873.0	QTZ- por'y, lge blue QTZ pheno's, sharp contact	249			2.8	Tr.	
	at 50 degrees to core axis, minor sol'n, 2% PY						
873.0 - 873.7	Grano'd, greyish, med. grained, looks barren.	250			.7	Tr.	
873.7 - 876.2	QTZ-por'y dyke, lrge blue QTZ pheno's, looks	251			2.5	Tr.	
	barren						

DRILLED BY _____ SIGNED _____

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. ...80..-1.. SHEET NO. . 10 . .

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
876.2 - 877.3	Grano'd, greyish, med grained, looks barren	252			1.1'	tr	
877.3 - 878.6	QTZ-por'y dyke, large blue QTZ pheno's, looks barren.	253			1.3'	tr	
878.6 - 879.4	QTZ-pory, strong QTZ-carb. alt'n, 3% dissem. PY	254			0.8'	tr	
879.4 - 882.0	Grano'd, greyish, looks barren	255			2.6'	tr	
882.0 - 882.5 angle OK see below	Grano'd, 1/4" QTZ stringer at 55 degrees to core with 2" of wall rock alt'n, carries 5% dissem. PY	256			0.5'	tr	
* 886.0 - 888.8	Grano'd, greyish, minor QTZ, minor PY	258 *			2.8'	tr	
888.8 - 891.5	QTZ-por'y, 20% large white pheno's, 5% QTZ infractions	259			2.7'	tr	
891.5 - 895.5	QTZ-por'y, 20% white QTZ pheno, minor QTZ, minor PY	260			4.0'	tr	
895.5 - 899.0	Grano'd, greyish, med. grained, looks barren	261			3.5'	tr	
899.0 - 903.5	Grano'd, geyish, med. grained, minor QTZ, minor PY	262			3.5'	tr	
903.5 - 920.3	Andesitic tuff greyish to brownish grey, finely banded with white calcitic amygdule-like flecks, the banding undulates along the core, minor QTZ, mineralization.						
*882.5 - 886.0	Grano'd, greyish, minor QTZ, minor PY	257			3.5'	tr	

DRILLED BY _____ SIGNED _____

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 1 SHEET NO. 11

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
903.5 - 905.8	Largely andesite, with 3 1"QTZ vienlets, minor PY	263			2.8'	tr	
905.8 - 911.0	Andesitic tuff, minor QTZ, minor PY	264			6.8'	tr	
911.0 - 916.0	Andesitic tuff, minor QTZ, minor PY	265			5.0'	.01	
916.0 - 917.5	80% andesite, 20% grano'd, several irregular QTZ stringers, minor PY	266			1.5'	.01	
917.5 - 920.5	10% andesitic tuff, 90% grano'd with contacts at 35 degrees to core, looks barren	267			3.0'	tr	
920.5 - 922.5	Grano'd, greyish, med. grained, minor QTZ, minor PY	268			2.0'	tr	
922.5 - 928.0	Grano'd, med. grained, greyish, looks barren	269			6.0'	Tr	
928.0 - 933.0	Grano'd, greyish, med. grained, minor QTZ.	270			5.0'	Tr	
933.0 - 935.4	Andesitic tuff, finely banded. 10% irregular QTZ contacts at 30 degrees to core, 1% PY	271			2.4'	Tr	
935.4 - 938.0	Grano'd, greyish, med. grained, looks barren	272			2.6'	Tr	
938.0 - 941.4	Grano'd, greyish, med grained, minor QTZ, minor PY	273			3.4'	Tr	
941.4 - 943.5	Grano'd, greyish, several 1/8" QTZ fractures at 65 degrees to core, 2% fine PY, lots of faults	274			2.1'	Tr	
943.5 - 944.5	Grano'd, 10% QTZ stringers, 1/2% PY at 944.3	275			1.0'	Tr	
NOTE:	944.3 - 944.5 A fault with 2" of waxy sericitic						

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 1 SHEET NO. 12

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
	alt'n. The fault runs at 65 degrees to the core						
944.5 - 948.0	Grano'd, dk greyish, fine to med. grained,	276			3.5'	Tr	
	minor QTZ, minor PY.						
948.0 - 953.0	Grano'd, dk greyish, fne grained, minor QTZ, minor PY	277			5.0'	Tr	
953.0 - 955.7	Grano'd, greyish, fne grained, some QTZ in hairl-	278			2.7'	Tr	
	ine fratures, mineralized with fne dissem. PY						
955.7 - 958.0	Grano'd, greyish, fne grained, 5% QTZ in hair-	279			2.3'	Tr	
	line fractures at 60 degrees to core, 1% dissem.						
	PY						
958.0 - 960.7	Grano'd, greyish, fne grained, 5% QTZ in hair-	280			2.7'	Tr	
	line fractures at 60 degrees to core, 1% dissem						
	PY						
960.7 - 963.7	Grano'd, greyish, fne to med grained, 5% QTZ in	281			3.0'	Tr	
	fractures at 60 degrees to core, 1/2% PY						
963.7 - 966.7	Grano'd, greyish, fne to med. grained, 5% QTZ	282			3.0'	Tr	
	in fractures at 60 degrees to core 1% PY						
966.7 - 969.7	Grano'd, 10% QTZ in stringers, 1% PY	283			3.0'	Tr	
969.7 - 972.7	Grano'd, med. grained. minor QTZ, minor PY	284			3.0'	Tr	
972.7 - 974.6	Grano'd , med. grained, 5% QTZ, 1/2% PY	285			1.9'	Tr	
974.6 - 976.6	Grano'd, minor QTZ, 1/2% PY	286			2.0'	Tr	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 1 SHEET NO. 13

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
976.6 - 979.5	Grano'd, 5% QTZ in fractures, 1/2% PY	287			2.9'	Tr	
979.5 - 982.0	Grano'd, 3% QTZ in fractures at 60 degrees to core 1% PY	288			2.5'	Tr	
982.0 - 984.0	Grano'd, 5% QTZ in fractures at 60 degrees to core, 2% dissem. PY	289			2.0'	Tr	
984.0 - 987.0	Grano'd, 5% QTZ in fractures, 1½% PY	290			3.0'	Tr	
NOTE:	At 285.0' 1" section of breccia which indicates a late fault at 60 degrees to core axis.						
987.0 - 989.3	Grano'd, med grained, 5% QTZ in fractures, 1% dissem Py	291			2.3'	Tr	
989.3 - 992.0	Grano'd, greyish, minor QTZ, minor PY	292			2.7'	Tr	
992.0 - 996.0	Grano'd, med. grained, minor QTZ, minor PY	293			4.0'	Tr	
996.0 - 998.5	Grano'd, 5% QTZ in fractures, 1/2% PY	294			2.5'	.01	
NOTE:	998.5 - 999.5 1/8" black line fault runs at 15 degrees to core, it contains some blue QTZ along the fault.						
998.5 - 1001.4	Grano'd, greyish, med. grained, minor QTZ, 1% PY	295			3.4'	Tr	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 1 SHEET NO. 14

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au	
1001.4 - 1004.4	Grano'd, greyish, med grained, minor QTZ, minor	296			3.0'	Tr	
	PY						
NOTE:	998.5 - 1029.0 The granod is brownish grey,						
	med. grained, partly biotitic, this block is						
	caught between two faults. A black line fault						
	at 999.0 running at 10 degrees to core and seric-						
	itic and black line fault that runs at 25 degrees						
	to the core at 1029.0. This grano'd forms a slip						
	block against the major fault at 1029.0						
	1029.0 - is grano'd coarse grained, light						
	greenish grey, brecciated in part, at 1035 it con-						
	tains several black line faults which is part						
	of a horse tail fault displacement system. The						
	following are the locations of the black line						
	faults:						
	999.0 at 10 degrees to core axis						
	1029.0 ' '30 ' '						
	1056.0 ' '10 ' '						
	1056.5 ' '60 ' '						

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 1 SHEET NO. 15

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
	1058.3 at 25 degrees to core axis						
	1058.5 " " 65 " "						
	1077.0 " " 45 " "						
1004.4 - 1008.0	Grano'd, biotitic, 5% QTZ, 1/2% PY	297			3.6'	Tr	
1008.0 - 1011.0	Grano'd, biotitic, minor QTZ, 1/2% dissem. PY	298			3.0'	Tr	
1011.0 - 1014.7	Grano'd, biotitic, minor QTZ, minor PY	299			3.7'	Tr	
1014.7 - 1018.7	Grano'd, biotitic, minor QTZ, 1% PY	300			4.0'	Tr	
1018.7 - 1022.4	Grano'd, med. grained, 3% QTZ, 1/2% PY	301			3.7'	Tr	
1022.4 - 1024.0	Grano'd, greyish, med. grained, looks barren	302			1.6'	Tr	
1024.0 - 1027.5	Grano'd, greyish, minor QTZ, 1/2% PY	303			3.5'	Tr	
1027.5 - 1029.0	Major fault zone, 1" QTZ vienlet with graphite	304			1.5'	.04	
	running at 60 degrees to core, it also carries						
	2% coarse PY. At footage 1028.5 heavy waxy seric-						
	itic alt'n with some hemitite amd a strong 1/4"						
	black line fault that runs at 30 degrees ot core						
1029.0 - 1033.0	Grano'd, light greyish, coarse grained, minor QTz,	305			4.0'	Tr	
	minor PY						
1033.0 - 1036.0	Dacitic dyke with contacts at 60 degrees to core,	306			3.0'	Tr	
	coarse grained texture due to brecciation						
1036.0 - 1040.0	Grano'd, coarse grained, minor QTZ, minor PY	307			4.0'	Tr	

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 1 SHEET NO. 16

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
1040.0 - 1041.7	Granc'd, coarse grained, 3% QTZ in fractures, 1/2	308			1.7'	.02	
	1/2% PY						
1041.7 - 1045.0	Grano'd, coarse grained texture, minor QTZ, minor	309			3.3'	.03	
	PY						
1045.0 - 1049.0	Grano'd, greyish, coarse grained, minor QTZ, minor	310			4.0'	Tr	
	PY						
1049.0 - 1050.8	Grano'd, coarse grained, 5% QTZ in fractures,	311			1.8'	Tr	
	minor PY						
1050.8 - 1051.7	Grano'd, coarse grained, 3" grey QTZ vien with	312			0.9'	Tr	
	3% PY, 1% PO						
1051.7 - 1056.0	Grano'd, coarse grained with some coarse PY along	313			4.3'	Tr	
	th black line fault which runs along the core						
	from 1055.0 - 1056.0						
1056.0 - 1059.1	Grano'd, greyish, coarse grained with black line	314			3.1'	Tr	
	faults at 1056 to 1058, minor QTZ, 1% coarse PY						
	largely along the faults						
1059.1 - 1061.0	Grano'd, coarse grained, minor QTZ, minor PY	315			1.9'	Tr	
1061.0 - 1062.8	Grano'd, coarse grained with black line faults	316			1.8'	.01	
	at 1061.3 and some coarse PY cubes along the						
	fault						
1062.8 - 1064.4	Grano'd, coarse grained, looks barren	317			1.6'	.01	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 1 SHEET NO. 17

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
1064.4 - 1067.7	Grano'd, bluish grey, coarse grained, looks barren	318			3.3'	Tr	
1067.7 - 1069.3	Grano'd, coarse grained, 1" QTZ vien at 55 degrees to core, 1% dissem. PY in wall rock	319			1.6'	Tr	
1069.3 - 1071.0	Grano'd, coarse grained, 2 1/4" QTZ vienlets at 55 degrees to core, 1% PY	320			1.7'	.01	
1071.0 - 1073.5	Grano'd, coarse grained, minor QTZ, 1/2% PY	321			2.5'	Tr	
1073.5 - 1076.0	Grano'd, coarse grained, minor QTZ in stringers, 1/2% PY	322			3.0'	Tr	
1076.0 - 1078.0	Grano'd, coarse grained with a black line fault which carries some coarse PY along side it	323			2.0'	.01	
1078.0 - 1080.4	Grano'd, coarse grained, minor QTZ, 1/2% PY	324			2.4'	Tr	
1080.4 - 1082.7	Grano'd, coarse grained, 1/2" QTZ vienlet, 1/2% PY	325			0.3'	Tr	
1082.7 - 1085.4	Grano'd, coarse grained, 7% QTZ in fractures, 1% coarse PY	326			2.7'	Tr	
1085.4 - 1087.8	Grano'd, coarse grained, minor QTZ, minor PY	327			2.4'	Tr	
1087.8 - 1089.8	Grano'd, 5% QTZ in fractures, 1% coarse PY	328			2.0'	Tr	
1089.8 - 1092.0	Grano'd, coarse grained, looks barren	329			2.2'	Tr	
1092.0 - 1094.0	Grano'd, coarse grained, 5% QTZ in fractures, 1% PY	330			2.0'	Tr	

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WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 1 SHEET NO. 18

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
1094.0 - 1098.0	Grano'd, coarse grained, looks barren	331			4.0'	Tr	
1098.0 - 1104.0	Grano'd, crse. grained, looks barren	332			6.0'	Tr	
1104.0 - 1106.0	Grano'd, coarse grained, 5% QTZ in fractures, 1% coarse PY	333			2.0'	.02	
1106.0 - 1107.0	Grano'd, coarse grained, 1/4" QTZ fracture at 55 degrees to core with wall rock alt'n which carries 5% coarse PY	334			1.0'	.05	
1107.0 - 1108.0	Grano'd, coarse grained, looks barren	335			1.0'	Tr	
1108.0 - 1110.2	Grano'd, coarse grained, 20% QTZ in glassy fr fractures a 55 degrees to core, 1% coarse PY	336			2.2'	Tr	
1110.2 - 1112.4	Grano'd, coarse grained, 5% QTZ in fine fractures, 1/2% PY	337			2.2'	Tr	
1112.4 -1116.0	Grano'd, coarse grained, 3% QTZ in fine fractures, minor PY	338			3.6'	Tr	
1116.0 - 1117.2	Grano'd, with 5% QTZ in fractures, 1/2% PY, t traces of chalco-pyrite at 1117.0	339			1.2'	Tr	
1117.2 - 1121.0	Grano'd, coarse grained, minor QTZ, minor PY	340			3.8'	Tr	
1121.0 - 1121.8	Grano'd, coarse grained, 1½" QTZ vien running at 60 degrees to core, 3% coarse PY in alt'n wall rock, looks good	341			0.8'	.02	
1121.0 - 1124.0	Grano'd, coarse grained, looks barren	342			2.2'	Tr	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 1 SHEET NO. 19

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
1124.0 - 1127.3	Grano'd, coarse grained, minor QTZ, minor PY	343			3.3'	Tr	
1127.3 - 1129.0	Grano'd, coarse grained, looks barren	344			1.7'	Tr	
1129.0 - 1133.0	Grano'd, 5% QTZ in fractures, 1/2% PY	345			4.0'	Tr	
1133.0 - 1135.3	Grano'd, coarse grained, 5% QTZ in fractures, 1% dissem. PY	346			2.3'	.01	
NOTE:	1135.3 - 1164.0 This possibly the projection of the Goldlund 103-104 structure. It consists of coarse, greyish grano'd, interlaced with n numerous QTZ fractures running at 50-70 degrees to core axis. Considerable bleaching and wall rock QTZ-carb. alt'n and well mineralized with coarse cubes of PY inthe alt'd wall rock, it looks good.						
1135.3 - 1137.0	Grano'd, coarse grained, 15% QTZ, 3% coarse PY in wall rock alt'n	347			1.7'	.02	
1137.0 - 1139.0	Grano'd, crse grained, 15% QTZ in fractures, 3% coarse PY in wall rock alt'n	348			2.0'	.01	
1139.0 - 1140.6	Grano'd, coarse grained, strong wall rock alt'n 5% coarse PY, looks good	349			1.6'	.04	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 1 SHEET NO. 20

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
1140.6 - 1142.3	Grano'd, coarse grained, 20% QTZ in fractures	350			1.7'	.03	
	strong wall rock alt'n, 5% coarse PY, looks good						
1142.3 - 1143.0	Grano'd, coarse grained, 30% QTZ in fractures,	351			0.7'	.07	
	strong wall rock alt'n, 7% coarse PY, looks good						
1143.0 - 1144.2	Grano'd, coarse grained, strong wall rock alt'n	352			1.2'	.02	
	secondary QTZ in fractures, 4% coarse PY,						
	looks good						
1144.2 - 1145.5	Grano'd, coarse grained, 20% QTZ, strong	353			1.3'	.11	
	wall rock alt'n, 7% coarse PY, looks good						
1145.5 - 1147.0	Grano'd, coarse grained, 5% QTZ in fractures;	354			1.5'	.02	
	med wall rock alt'n, 2% PY						
1147.0 - 1148.6	Grano'd, coarse grained, strong wall rock alt'n	355			1.6'	.03	
	20% QTZ, 10% coarse PY, looks good						
NOTE:	Some minor hematitic alt'n gives the rock a						
	slight reddish hue						
1148.6 - 1150.1	Grano'd, coarse grained, 5% QTZ in fractures,	356			1.5'	.10	
	minor PY						
1150.1 - 1152.0	Grano'd, coarse grained, 5% QTZ in fractures,	357			1.9'	.02	
	1% PY						

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 1 SHEET NO. 21

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
1152.0 - 1153.7	Grano'd, coarse grained, 10% QTZ in fractures,	358			1.7'	Tr	
	med. QTZ-carb alt'n, 3 % PY						
1153.7 - 1154.7	Grano'd, Coarse grained, 10% QTZ, strong wall	359			1.0'	.05	
	rock alt'n, 7% coarse PY, looks good						
1154.7 - 1156.4	Grano'd, coarse grained, 10% QTZ, 1% PY	360			1.7'	.04	
1156.4 - 1157.7	Grano'd, coarse grained, 10% QTZ, weak QTZ_	361			1.3'	Tr	
	carb alt'n, 1% PY						
1157.7 - 1160.0	Grano'd, coarse grained, minor QTZ, minor PY	362			2.3'	Tr	
1160.0 - 1163.0	Grano'd, coarse grained, 5% QTZ. 1/2% PY	363			3.0'	Tr	
1163.0 - 1164.2	Gran'd, coarse grained, med. QTZ-carb alt'n	364			1.2'	.03	
	3% coarse PY						
1164.2 - 1168.0	Grano'd, coarse grained, minor PY, minor QTZ	365			3.8'	.02	
1168.0 - 1172.0	Grano'd, coarse grained, 5% QTZ in fractures,	366			4.0'	Tr	
	minor PY						
NOTE:	1163 - 1248 , Note the grano'd is greyish to						
	greenish grey, med graine and generally barren,						
	with widely spaced narrow QTZ filled fractures.						
	This is similar to the hanging wall, barren						
	grano'd dyke above the west zone dyke at the						
	Goldlund mine						

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 1 SHEET NO. 22

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au	
1172.5 - 1173.2	Grano'd, 1/2" QTZ filled fracture at 50 degrees to core, minor PY	367			0.7'	Tr	
1175.4 - 1176.0	Grano'd, 1" glassy QTZ vien at 60 degrees to core, minor PY	368			0.6'	Tr	
1176.6 - 1177.6	Grano'd, 2 1/4" QTZ stringers, minor PY	369			1.0'	.01	
1183.0 - 1183.6	Grano'd, ½" QTZ vienlet at 50 degrees to core, 1% PY	370			0.6'	Tr	
1195.6 - 1196.8	Grano'd, 1" and 1/2" QTZ-carb vienlet at 50 degrees to core, 1% PY	371			1.2'	.01	
1208.0 - 1209.2	Grano'd, 1" and 1/2" QTZ vienlet at 55 degrees to core, coarse grain of ZNS and a caarse grain of chalco with PO in 1/2" vien at 1208.2	372			1.2'	.01	
1223.0 - 1213.8	Grano'd, 1 1/2" QTZ vienlet with 5 in. wall rock alt'n, 2% PO, 1% PY	373			0.8'	Tr	
1222.8 - 1223.6	Grano'd, 1" glassy QTZ vien at 55 degrees to core, minor PY	374			0.8'	Tr	
1234.2 - 1236.3	Grano'd, several 1/4" QTZ filled fractures at 234.7 a vienlet carries massive Po with traces chalco, some weak wall rock QTZ-carb alt'n	375			2.1'	Tr	
1279.0 - 1280.6	Andesitic Tuff caught between grano'd with contacts at 40 degrees to core						

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SIGNED E. J. K

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 1 SHEET NO. 23

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
1280.6 - 1288.6	Grano'd, dyke, med. grained, dark greyish						
1288.6 - 1290.0	Tuff, dark greenish grey, finely banded						
1290.0 - (1305+)	QTZ-por'y dyke, waxy sericitic, the contact						
	at 1290.0 runs at 35 degrees to core						
1283.0 - 1283.7	Grano'd, a 1" glassy QTZ vien at 60 degrees to	377			0.7'	.01	
	core, 1% PY, 1% PO in wall rock						
1309.3 - 1312.3	QTZ- por'y, 5% QTZ in fractures, 1% PY	639			3.0'	Tr	
1313.0 - 1317.5	Grano'd, greyish, coarse grained, looks barren						
1318.5 - 1375.0	Grano'd, greyish, coarse grained, very little						
	fracturing developed, it looks massive, and						
	generally barren						
1324.8 - 1325.3	Grano'd, 1/2" QTZ vienlet, minor PY	640			0.5'	Tr	
1342.0 - 1342.5	Grano'd, a 1/2" QTZ vienlet at 60 degrees to	641			0.5'	Tr	
	core, looks barren						
1360.5 - 1362.3	Grano'd, four 1/4" QTZ vienlets, minor PY	642			1.8'	Tr	
1375.0 - 1378.7	Tuff, greenish grey, finely banded with amygdule-						
	like QTZ-carb flecs, finely banded at 30 degrees						
	to core						
1378.7 - 1383.7	Grano'd, greenish grey coarse grained						
1383.7 - 1388.0	Tuff, greenish grey, finely banded at 25 degrees						
	to core						

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 1 SHEET NO. 24

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
1388.0 - 1460.0	Grano'd, greenish grey, fine to med. grained, slightly more basic in composition						
1398.5 - 1399.0	Grano'd, a 1/4" q-c vienlet with 2% PO, 1% PY, and trace of chalco	643			0.5'	.03	
1420.6 - 1421.1	Grano'd, a 1/2" QTZ vienlet at 60 degrees to core minor PY	644			0.5'	.03	
1425.0 - 1425.5	Grano'd, a silicified fracture carries heavy PO, some PY, minor chalco	645			0.5'	Tr	
1438.5 - 1439.0	Grano'd, 1/2" QTZ vienlet at 65 degrees to core, looks barren	646			0.5'	Tr	
1447.5 - 1448.0	Grano'd, a 1/2" QTZ vien at 65 degrees to core, looks barren	647			0.5'	.02	
1460.0'	END OF HOLE						

DRILLED BY _____ SIGNED _____

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 2 SHEET NO. 1

LATITUDE 13525.5 DATUM BQ core stored in office at Windfall STARTED July 21, 1980

DEPARTURE 12107.4 BEARING S - 3° - W COMPLETED August 11, 1980

ELEVATION 9914.0 DIP -62° Collar Ft. Horiz. Vert ULTIMATE DEPTH 988.0'

0 100 0
200 200 1060
300 700 133.8

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
0 - 43.0	Casing in clay overburden						
43.0 - 54.5	Andesitic tuff, dark greenish, finely banded at 15 degrees to core, some PY, calco-PY and ZNS mineralization up against gabbro dyke						
52.6 - 54.5	Dark greenish, andesitic tuff, 5% QTZ, 2% PY 1/4% chalco-PY, minor ZNS	666			1.9'	Tr	
54.5 - 303.0	Gabbro with 3' of finer grained chilled contact zone, minor PY & PO throughout with some narrow BX at 110.0 and 121.0 that runs at 25 degrees to core. From 280.0 - 303.0 the foo wall of the gabbro dyke is mineralized with 2% 1/2" blebs of sulphides, largely PO with PY, chalco and pentlandite?						
145.0 - 148.0	Gabbro from a glassy 2" 1" and 1/2" QTZ vienlets, minor PY	667			3.0'	Tr	
150.0 - 151.4	Gabbro a 6" glassy QTZ vien runs at 15 degrees to core, it carries 2% PY, 1% PO and 1/4% chalco-PY	668			1.4'	Tr	

C. J. MURTLIN
PROVINCE OF ONTARIO

DRILLED BY

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 2 SHEET NO. 2

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
302.0 - 303.0	Glassy white QTZ viens at gabbro contact at 25 degrees to core. minro PO	722			1.0'	Tr	
303.0 - 386.0	Andesitic pillow lava, dark greenish grey, banded with amygdule like QTZ-carb flecks. Upon further examination the apparent banding occurs between amydaloidal pillow rims						
307.0 - 307.7	Andesitic pillow lava with a 1/2" QTZ-carb vienlet at 30 degrees to core. It caries 2%PO, 1% PY, 1/4% Chalco	723			0.7'	Tr	
386.0 - 463.5	QTZ-por'y dyke, sericitic, buff grey in colour, with 10% blue QTZ pheno-crysts up to 6mm in diam. some minor dissem PY						
463.5 - 541.0	Andesitic pillow lava with obvious amygdaloidal pillow rims. Some mineralization occurs along pillow rims which consists of magnetite, PO, PY and rarely chalco						
499.0 - 501.8	Andesitic pillow lava, 1% PY, 1% PO along pillow rims. Two 1/8" wiggly QTZ stringers						

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 2 SHEET NO. 3

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
504.5 - 508.5	Andesitic pillow lava, 1% PY, 1% PO along pillow rims. Two 1/8" wiggly QTZ vienlets.	762			4.0'	Tr	
510.0 - 513.4	Andesitic pillow lava, 2% PO, 1% PY, along pillow rims	763			3.4'	Tr	
521.5 - 522.5	Andesitic pillow lava with 1% PY, 1% PO trace of chalco along pillow rim	764			1.0'	Tr	
524.8 - 527.4	Andesitic pillow lava 1% PY, 1% PO and a 1/4" QTZ vienlet along the pillow rim	765			2.6'	Tr	
540.2 - 541.1	Andesitic pillow lava, 2% PY, 1% PO and a 1/8" wiggly QTZ stringer	766			0.9'	Tr	
541.0 - 580.0	QTZ- por'y, greyish to waxy in sheared sections carries 5 - 10% QTZ pheno-crysts up to 6mm in diam., some sericitic sections carry some dissem. PY mineralization and minor ZNS and chalco PY. The contact at 541.0 is irregular tongued.						
549.0 - 550.1	QTZ-por'y sericitic, 1% PY traces of ZNS	767			1.1'	Tr	
554.4 - 556.5	QTZ-por'y, sericitic, 2% dissem. PY, minor ZNS	768			2.1'	Tr'	
560.3 - 561.5	QTZ-por'y, strongly sheared, a possible fault						

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 2 SHEET NO. 4

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
	zone , 1% PY	769			1.2'	Tr	
564.9 - 565.7	QTZ-por'y, sericitic, 2% Dissem. PY, with a streak of chalco and streaks of ZNS	770			0.8'	Tr	
574.4 - 576.0	QTZ-por'y, sericitic, 1% PY, hair-line streaks' of ZNS	771			1.6'	Tr	
577.6 - 579.8	QTZ-por'y, a 1/2" QTZ vienlet with some minor PY and PO, some streaks of ZNS	772			2.2'	Tr	
580.0 - 624.0	Grano'd, greyish, fine to med. grained, quite barren with fractures being rare.						
589.1 - 589.7	Grano'd, a 1/2" QTZ filled fracture at 60 degrees to core, minor PY	773			0.6'	Tr	
619.5 - 620.1	Grano'd, Two 1/4" QTZ filled fractures. 1/2% PY	781			0.6'	Tr	
622.0 - 623.4	Grano'd, Two 1/2" QTZ vienlets, wth 20% QTZ-carb alt'n, 2% PY	782			0.4'	Tr	
623.4 - 630.3	Andesite, greenish, with numerous calcitic amygdule-like flecks						
629.5 - 630.3	Andesite, minor QTZ-carb alt'n. 2% PY	783			0.8'	Tr	
630.3 - 645.0	Grano'd, greenish grey, med. grained, generally massive						
635.5 - 636.8	Grano'd, two 1/4" QTZ stringers, one is pinkish hematitic, 1% PY	784			1.3'	Tr	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 2 SHEET NO. 5

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
645.0 - 660.5	QTZ-por'y dyke, waxy sericitic with numerous QTZ pheno's, 1mm in diam.						
659.3 - 660.5	QTZ-por'y, 10% QTZ-carb, 1% PY	785			1.2'	Tr	
660.5 - 685.0	Grano'd, greyish, fine to med. grained, massive looks barren						
685.0 - 697.3	Waxy QTZ-por'y, sericitic, 5% QTZ pheno's up to 2mm in diam.						
682.0 - 689.3	QTZ-por'y, wiggly 1/2" QTZ stringer running along the core, carries minor PY	794			2.3'	Tr	
695.5 - 697.0	QTZ-por'y, a/12" wiggly QTZ stringer follows the core, minor PY	795			1.5'	Tr	
697.0 - 698.5	Grano'd, three 1/8" QTZ filled fractures at 55 degrees to core, 1/2% PY	796			1.5'	Tr	
698.5 - 699.1	Grano'd, a 1" irregular QTZ vienlet, carries 2% PY	797			0.6'	Tr	
705.5 - 708.9	Grano'd, weak QTZ-carb alt'n, minor PY	798			3.4'	Tr	
711.5 - 714.7	Grano'd, four 1/8" QTZ vienlets, 1/2% PY	799			3.2'	Tr	
715.0 - 717.2	Grano'd, a 1" and two 1/4" QTZ vienlets, minor PY	800			2.2	Tr	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 2 SHEET NO. 6

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au	
728.4 - 729.4	Grano'd, three 1/8" QTZ vienlets, minor PY	801			1.0'	Tr	
697.0 - 778.0	Grano'd, greyish, med grained, some poorly developedQTZ filled fractures at 55 degrees to core, minor PY						
729.5 - 732.0	Grano'd, four 1/4" QTZ filled fractures with dissem. PY along the borders of the QTZ fractures.	802			2.5'	Tr	
234.5 - 737.0	Grano'd, three 1/8" QTZ filled fractures with dissem. PY along edges of the vienlets which run a 55 degrees to core	803			2.5'	Tr	
737.0 - 739.0	Grano'd, four 1/8" QTZ filled fractures with dissem. PY along the vienlets	804			2.0'	Tr	
744.0 - 746.2	Grano'd, four 1/8" QTZ filled fractures with dissm. PY along the fractures	805			2.2'	Tr	
746.2 - 748.5	Grano'd, a 1/4" and three 1/8" QTZ filled fractures with dissem. PY	806			2.3'	Tr	
752.0 - 754.3	Grano'd, coarse grained, two1/8" QTZ vienlets minor reddish flecks of hematitic alt'n that resembles ZNS	807			2.3'	Tr	
754.3 - 757.0	Grano'd, coarse grained slightly silicified,	808			2.7'	Tr	

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WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 2 SHEET NO. 7

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
	with 1/2% PY and reddish hematitic flecks						
757.0 - 759.0	Grano'd, coarse grained, slightly silicified,	809			2.0'	Tr	
	1/4% PY, some fine hematitic flecks in slightly						
	silicified areas						
759.0 - 762.0	Grano'd, slightly silicified 1/2% PY, 1/4%	810			3.0'	Tr	
	hematitic flecks of jasper						
762.0 - 765.5	Grano'd, coarse grained, 1/2% PY, a few fine	811			3.5'	Tr	
	specks of jasper						
765.5 - 769.0	Grano'd, coarse grained, slight silicification,	812			3.5'	Tr	
	1/4% PY						
778.0 -779.8	QTZ-por'y dyke with 10% large pheno-crysts						
	of QTZ up to 6mm in diameter						
779.8 - 847.5	Grano'd, coarse grained, greyish, some poorly						
	developed QTZ filled fractures at 55 degrees						
	to 65 degrees to core each carrying minor dissem						
	PY						
772.5 - 773.8	Grano'd, two 1/4" QTZ vienlets, minor PY	851			1.3'	Tr	
774.9 - 778.0	Grano'd, a 1/2" QTZ vienlet, minor PY	852			3.1'	Tr	
779.4 - 781.3	Grano'd, three 1/8" QTZ vinelets, 1/2% PY	853			1.9'	Tr	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 2 SHEET NO. 8

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
783.5 - 787.0	Grano'd, four 1/4" QTZ vienlets, minor PY	854			3.5'	Tr	
788.0 - 789.3	Coarse grano'd, four 1/8" QTZ vienlets, 1/2%PY	901			1.3'	Tr	
789.3 - 790.4	Grano'd, three 1/2" QTZ vienlets at 60 degrees tocore, 1% PY	902			1.4'	Tr	
790.4 - 793.0	Coarse grano'd, far 1/8" QTZ vienlets, minorPY	903			2.6'	Tr	
793.0 - 794.6	Grano'd, three 1/2" QTZ vienlets, minor PY	904			1.6'	Tr	
794.6 - 795.9	Grano'd, minor QTZ, minor PY	905			1.3'	Tr	
795.9 - 797.0	Grano'd,a 1/2" QTZ vienlets with some fault breccia, 3% PY	906			1.1	Tr	
797.0 - 799.2	Grano'd, minorQTZ, minor PY	907			2.2'	Tr	
799.2 - 802.0	Grano'd, a 1" and three 1/4" QTZ vienlets some pink QTZ-carb. 2% dissem PY	908			2.8'	Tr	
802.0 - 804.0	Grano'd, two 1/2" QTZ vienlets with PY along edges	909			2.0'	Tr	
804.0 - 806.0	Grano'd, three 1/2" QTZ vienlets, 1/2% PY	910			2.0'	Tr	
806.0 - 808.0	Grano'd, one 1/2" and three 1/4" QTZ vienlet 1/2% PY	911			1.5'	Tr	
808.0 - 809.5	Grano'd, 20% QTZ in vienlets, some vienlets carry chlorite, 1% PY	912			1.5'	Tr	
809.5 - 811.0	Grano'd, a 2" and three 1/2" glassy QTZ vienlets, one with massive chlorite, 1/2% PY	913			1.5'	Tr	

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 2 SHEET NO. ...9 .....

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
811.0 - 812.0	Grano'd, 15% QTZ in vienlets, 1% PY	914			1.0'	Tr	
812.0 - 814.0	Grano'd, 15% QTZ in stringers, 1% dissem. PY	915			2.0'	Tr	
814.0 - 816.0	Grano'd, 5% QTZ in stringers, 1/2% PY	916			2.0'	Tr	
816.0 - 817.3	Grano'd, a 1/2" glassy QTZ vienlet, minor PY	917			1.3'	Tr	
	three parallel fault zones run at 50 degrees						
	to core						
817.3 - 820.0	Grano'd, 10% QTZ in vienlets, 3% dissem. PY	918			2.7'	Tr	
820.0 - 822.0	Grano'd, 5% QTZ in vienlets, minor PY, one	919			2.0'	Tr	
	vien has a streak of massive chlorite						
822.0 - 824.0	Grano'd, two 1/4" QTZ vienlets, 1% PY	920			2.0'	Tr	
824.0 - 825.5	Grano'd, three 1/8" QTZ vienlets, 1% PY	921			1.5'	Tr	
825.5 - 827.0	Grano'd, two 1/2" and four 1/4" QTZ vienlets,	922			1.5'	Tr	
	4% PY						
827.0 - 828.0	Grano'd, four 1/4" QTZ vienlets at 55 degrees	953			1.0'	Tr.	
	to core, 2% PY, some massive chlorite in viens						
828.0 - 829.0	Grano'd, 25% glassy QTZ in fractures, 1/2% PY	954			1.0'	Tr.	
829.0 - 831.1	Grano'd, 15% QTZ in fractures, some weak QTZ-	955			2.1'	Tr.	
	carb. alt'n, 1/2% PY						
831.1 - 833.1	Grano'd, minor QTZ, minor PY	956			2.0'	Tr.	
833.1 - 835.1	Grano'd, strong QTZ-carb. alt'n, some	957			2.0'	Tr.	
	pink hematitic staining, 1/2% PY						

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 2 SHEET NO. 10

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
835.1 - 837.5	Grano'd, 5% QTZ in fractures, one with massive chlorite, 2% dissem. PY	958			2.4'	Tr.	
837.5 - 839.0	Grano'd, one 2" QTZ vienlets with several 1/4" vienlets which carry 2% PY and streaks of massive chlorite	959			1.5'	Tr.	
839.0 - 841.0	Grano'd, 10% QTZ in fractures, 1% PY	960			2.0'	Tr.	
841.0 - 843.0	Grano'd, 20% QTZ in fractures and silicification, 5% dissem. PY	961			2.0'	Tr.	
843.0 - 846.0	Grano'd, 5% QTZ in fractures, 1% PY	962			3.0'	Tr.	
846.0 - 848.0	Grano'd, coarse grained. a 1" and a 1/4" QTZ vienlet, 1% PY, fault at 848.0'	1052			2.0'	Tr.	
848.6 - 849.1	Grano'd, fine grained, a 1/2" QTZ vien at 60 degrees to core, with heavy PY	1053			0.5'	Tr.	
849.1 - 852.0	Grano'd, fine grained, some narrow fractures with coarse PY	1054			2.9'	Tr.	
858.8 - 860.3	Grano'd, two 1/4" QTZ vienlets, 2% PY	1055			1.5'	Tr.	
866.5 - 867.0	Grano'd, a 1/4" QTZ vienlet with heavy PY	1056			0.5'	Tr.	
880.5 - 881.5	Grano'd, two 1/4" QTZ vienlets, minor PY	1057			1.0'	Tr.	
892.8 - 893.3	Grano'd, a 1/4" vien (QTZ) with coarse PY	1058			0.5'	Tr.	
897.3 - 898.0	Grano'd, two 1/8" QTZ stringers, 1% PY	1059			0.7'	Tr.	
900.0 - 902.0	Grano'd, fine greyish, three 1/4" QTZ vienlets, 1/2% PY	1060			2.0'	Tr.	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 2 SHEET NO. 11

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
847.5 - 852.0	Gran'd, dark greyish, fine grained						
847.5 - 848.5	Lamprophyre dyke, contacts at 60 degrees to core						
848.5 - 920.0	Grano'd, dark greyish, fine grained, very poorly developed fracturing						
920.0 - 973.0	Andesitic tuff to dacitic tuff, greyish to greenish grey, finely banded at 40 degrees to core. It contains some QTZ-carb. Amygdule-like flecks						
973.0 - 988.0	Gabbro Dark greenish, med. grained, flecked with 5% fine magnetite						
927.0 - 927.6	Tuff with a 1/4" QTZ filled fracture and a 1/8" streak of massive PY	1061			0.6'	Tr.	
948.4 - 950.7	Tuff, weak QTZ-carb. alt'n, 2% dissem. PY	1062			2.3'	Tr.	
	988.0 END OF HOLE						

C. H. Kurylenko

HOLE No. 80 - 2

Footage	Dip	Bearing	Azim.	Footage	Horiz.	Vert.
Collar	-62°	S -3°- W		0 - 100'	47.0	88.3
200'	-58°	S - 4°E	180°	100 - 300'	106.0	169.6
400'	-56°	S - 5°E	179°	300 - 500'	111.8	165.8
600'	-48°	S - 6½°E	177½°	500 - 700'	133.8	148.6

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 3 SHEET NO. 1

LATITUDE 13208.81 DATUM A x T Cow (stored in [illegible] at Windfall) STARTED Aug. 23, 1980

DEPARTURE 11162.67 BEARING N 84°34' E COMPLETED Aug. 27, 1980

ELEVATION 9914.55 DIP Collar - 69°29' 200' - 57° Azim 69.5° ULTIMATE DEPTH 271.0

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZ/T - Au WIDTH	OZ'S
0 - 23.0	Casing in overburden.						
23.0 - 197.0	Grano'd. dark greyish, fine to med. grained,						
	somewhat massive, very little fracturing developed.						
57.0-57.6	Grano'd. A ½" QTZ. vienlet, minor PY.	1437				.6	.11
70.0-70.5	Grano'd. A ½" QTZ. vienlet, minor PY.	1438				.5	.06
73.2-74.5	Grano'd. A ½" QTZ. vienlet 4% coarse PY.	1439				1.3	.12
74.5-76.4	Gramo'd. minor QTZ. Minor PY.	1440				1.9	Tr.
76.4-77.5	Grano'd. Three 1/8" QTZ. vienlets, 1% PY.	1441				1.1	.03
82.2-83.3	Grano'd. Three 1/8" QTZ. vienlets minor PY	1442				1.1	.04
84.8-85.4	Grano'd. A ½ " QTZ. vienlet, minor PY.	1443				.6	Tr.
114.8-115.9	Grano'd. A 1" QTZ. vien. at 50' to core, and a	1444				1.1	Tr.
	vienlet runs along the core that carries 3% PO.						
126.0-126.6	Grano'd. 4" QTZ. vienlet, at 50' to core, looks	1445				.6	Tr.
	barren.						
131.5-132.2	Grano'd. A 1" QTZ. vien, looks barren.	1446				.7	Tr.
133.2-133.8	Grano'd. A 1" QTZ. vien, with 5% PO. 1% PY in adjacent wall rock.	1447				.6	.07
140.0-140.5	Grano'd. A ½" QTZ. vien minor PY.	1448				.5	Tr.
143.4-144.1	Grano'd. A 3/4" and a ½" QTZ. vienlet at 50° to	1449				.7	.05
	core, some strong wall rock Alt'n. Carries 3% PO						
	and 1% PY.						

DRILLED BY Fortune Drilling Ltd.

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 3 SHEET NO. 2

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
166.2-166.8	Grano'd. A 1" QTZ. vien at 50° to core, carries	1468			.6	.10	
	two patches of fine VG. along a fracture ½" in						
	the wall rock near the vien.						
176.8-177.4	Grano'd. A ½" QTZ. vien. minor PY.	1469			.6	.06	
181.0-181.5	Grano'd. A 1" QTZ. vien 3% PY.	1470			.5	Tr.	
183.8-184.4	Grano'd. A ½" QTZ. vien 2% PY.	1471			.6	Tr.	
186.5-187.0	Grano'd. A ½" QTZ. vien. minor Py.	1472			.5	Tr.	
188.0-188.8	Grano'd. strong Q.C. Alt'n. A ¼ " QTZ. Carb.	1473			.8	.34	
	vienlet with 50% massive PY. Carries two specks						
	of V.G. at 188.4'						
192.3-194.7	Grano'd. Strong Q.C. Alt'n. 10% coarse PY.	1474			2.4	.12	
197.0-197.6	Grano'd. A 2" QTZ. vien. minor PY.	1475			.6	.03	
208.0-210.0	Tuff 10% QTZ. Carb. Alt'n 1% PY.	1476			2.0	Tr.	
240.0-242.0	QTZ. Porphyry 5% PO. minor Q.C. Alt'n.	1477			2.0	Tr.	
197.0-204.0	Gabbro, dark greenish, med, grained, partly						
	sheared.						
204.0-205.0	Brownish Andesitic tuff.						
205.0-208.0	QTZ. Porphyry, waxy, sericitic, with 5%, 1 m.m.						
	QTZ. pheros.						
208.0-210.0	Brownish finely banded tuff. banding runs along						
	the core.						

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 3 SHEET NO. 3

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
210.0-219.0	Waxy, QTZ. Porphyry, with 5% QTZ. pheros.						
219.0-234.0	Grano'd. med. grained brownish biotitic.						
234.0-271.0	Waxy QTZ. Porphyry 5% 1mm. QTZ. phenos.						
	END OF HOLE 271.0						

E. J. Rumpler

HOLE No. 80 - 3

Footage	Dip	Bearing	Azim.	Footage	Horiz.	Vert.
Collar						
Collar	-59½°	N - 74½°E		0-100'	50.7	86.1
200'	-57°	N - 65½°E	69½	100-271.0	3.1	143.4

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 4 SHEET NO. 1

LATITUDE 13238.01 DATUM ART CORE Stored In office, Windfall STARTED June 16,1980

DEPARTURE 11363.41 BEARING N - 80° -E COMPLETED June 25,1980

Tro Pari; Collar -62° N-80-E

ELEVATION 9921.97 DIP @ 200' -60° N-72-E ULTIMATE DEPTH 284.0'

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
0 - 12.0	Casing in overburden						
12.0 -	Granodiorite, greyish to bluish grey, fine to medium grained, with QTZ filled fractures running at 45 degrees to core axis, some lighter bleach alt'n alongside QTZ filled fractures, some of the QTZ filled fractures occur in groups over several feet. The QTZ occasionally carries PY and rarely chalco- PY.						

C. J. KURYLUW

DIAMOND DRILL RECORD

HOLE NO. 80-4

SHEET NUMBER 2 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP

DEPTH FEET	FORMATION	SAMPLE NO.	From	To	Width	Ozs. Au
12.7-14.0	Granodiorite, 40% Qtz in stringers, 2% coarse py, some tourmaline.	8			1.3'	Trace
14.0-19.0	Granodiorite, very minor qtz, minor py	9			5.0'	Tr
19.0-24.0	Granodiorite, very minor qtz, minor py	10			4.0	Tr.
23.0-24.5	Granodiorite, four ¼" qtz, stringers, minor py	11			1.5'	Tr.
24.5-28.5	Granodiortie, three ¼" qtz veinlets, minor py	12			4.0	Tr.
28.5-31.0	Granodiorite, coarser grained texture, seven ¼" stringers, one 2" qtz veinlets a few specs of coarse py.	13			2.5'	Tr.
31.0-34.8	Granodiorite, looks barren.	14			3.8'	Tr.
34.8-37.3	Granodiorite, fine ¼" to ½" qtz veinlets, some massive py blebs.	15			2.5'	Tr.
37.8-40.2	Granodiorite, traces qtz, trace py	16			2.9'	Tr.
40.2-43.0	Granodiorite, traces qtz, traces py	17			2.8'	Tr.
43.0-46.0	Granodiorite, two ¼" qtz stringers, minor py	18			3.0'	Tr.
46.0-49.0	Granodiorite, traces qtz, traces py	19			3.0	.05
49.0-51.2	Granodiorite, two ½" qtz veinlets, minor py	20			2.2'	tr.
51.2-52.6	Granodiorite, traces qtz, traces py	21			1.4'	tr.
52.6-54.3	Granodiorite, two ½" qtz stringers, minor coarse py.	22			1.7'	tr.
54.3-57.8	Granodiorite, traces qtz, traces py	23			3.5'	tr.

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 4 SHEET NO. 2

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
12.7 - 14.0	Granodiorite, 40% QTZ in stringers, 2 coarse PY, some tourmaline.	8			1.3'	Trace	
14.0 - 19.0	Granodiorite, very minor QTZ, minor PY.	9			5.0'	tr	
19.0 - 24.0	Granodiorite, very minor QTZ, minor PY.	10			4.0'	tr	
23.0 - 24.5	Granodiorite, four 1/4" QTZ stringers, minor PY.	11			1.5'	tr	
24.5 - 28.5	Granodiorite, three 1/4" QTZ vienlets, minor PY.	12			4.0'	tr	
28.5 - 31.0	Granodiorite, coarser grained texture, sever 1/4" stringers, one 2" QTZ vienlets a few specs of coarse PY.	13			2.5'	tr	
31.0 - 34.8	Granodiorite, looks barren.	14			3.8'	tr	
34.8 - 37.3	Granodiorite, fine 1/4" to 1/2" QTZ vienlets, some massive PY blebs.	15			2.5	tr	
37.8 - 40.2	Granodiorite, traces QTZ, trace PY	16			2.9'	tr	
40.2 - 43.0	Granodiorite, traces QTZ, traces PY	17			2.8'	tr	
43.0 - 46.0	Granodiorite, two 1/4" QTZ stringers, minor PY	18			3.0'	tr	
46.0 - 49.0	Granodiorite, traces QTZ, traces PY	19			3.0'	.05	
49.0 - 51.2	Granodiorite, two 1/2" QTZ vienlets, minor PY	20			2.2'	tr	
51.2 - 52.6	Granodiorite, traces QTZ, traces PY.	21			1.4'	tr	
52.6 - 54.3	Granodiorite, two 1/2" QTZ stringers, minor coarse PY,	22			1.7'	tr	
54.3 - 57.8	Granodiorite, traces QTZ, traces PY.	23			3.5'	tr	

DIAMOND DRILL RECORD

HOLE NO. 80-4

SHEET NUMBER 3 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP

DEPTH FEET	FORMATION	SAMPLE NO.	From	To	Width	Ozs. Au
57.8-62.0	Grano'd fine ¼" to ½" qtz veinlets, some massive py blebs.	24			4.2'	tr.
62.0-66.0	Grano'd, greyish, liiks barren	25			4.0'	tr.
66.0-72.0	Grano'd, greyish, looks barren	26			6.0'	tr.
72.0-76.0	Grano'd, greyish, fine to med. grained,no fracturing, minor qtz.	27			4.0	tr
76.0-79.2	Grano'd, minor qtz, carb. alt'n,minor py	28			3.2'	Tr.
79.2-80.0	Grano'd, some bleaching, 10% qtz in fractures, 2% py.	29			0.8'	.02
80.0-82.2	Grano'd, 5% qtz in fractures, 1% po	30			2.2'	.04
82.2-83.2	Grano'd greyish, looks barren	31			1.0'	tr.
83.2-84.2	Grano'd, 1" qtz filled fracture at 55 detrees to core axis, minor po.	32			1.0'	.01
84.2-88.2	Grano'd, greyish, looks barren	33			4.0'	.05
88.2-89.0	Grano'd, ½" qtz filled fracture at 50 degrees to core axis, minor py.	34			0.8'	.01
89.0-92.0	Grano'd, greyish, looks barren.	35			3.0'	tr.
92.0-96.8	Grano'd, greyish, minor qtz, minor py	36			4.8'	tr.
96.8-100.7	Grano'd, greyish, looks barren	37			3.9'	.01
100.7-101.3	Grano'd, .1" qtz filled fracture, minor py	38			0.6'	.01
101.3-104.9	Grano'd, greyish, looks barren.	39			3.6'	tr.

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 4 SHEET NO. 3

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
57.3 - 62.0	Grano'd, fine 1/4" to 1/2" QTZ violets, some ma-	24			4.2'	tr	
	ssive PY blebs.						
62.0 - 66.0	Grano'd, greyish, looks barren	25			4.0'	tr	
66.0 - 72.0	Grano'd, greyish, looks barren	26			6.0	tr	
72.0 - 76.0	Grano'd, greyish, fine to med. grained,no fractu-	27			4.0'	tr	
	ring,minor QTZ.						
76.0 - 79.2	Grano'd, minor QTZ, carb. alt'n, minor PY.	28			3.2'	tr	
79.2 - 80.0	Grano'd, some bleaching, 10% QTZ in fractures, 2%	29			0.8'	.02	
	PY.						
80.0 - 82.2	Grano'd, 5% QTZ in fractures, 1% PO	30			2.2'	.04	
82.2 - 83.2	Grano'd, greyish, looks barren	31			1.0'	tr	
83.2 - 84.2	Grano'd, 1" QTZ filled fracture at 65 degrees to	32			1.0'	.01	
	core axis, minor PO.						
84.2 - 88.2	Grano'd, greyish, looks barren	33			4.0'	.05	
88.2 - 89.0	Grano'd, 1/2" QTZ filled fracture at 50 degrees	34			0.8'	.01	
	to core axis, minor PY.						
89.0 - 92.0	Grano'd, greyish, looks barren.	35			3.0'	tr	
92.0 - 96.8	Grano'd,greyish, minor QTZ, minor PY	36			4.8'	tr	
96.8 - 100.7	Grano'd, greyish, looks barren	37			3.9'	.01	
100.7 - 101.3	Grano'd, 1" QTZ filled fracture, minor PO	38			0.6'	.01	
101.3 - 104.9	Grano'd, greyish, looks barren.	39			3.6'	tr	

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DIAMOND DRILL RECORD

HOLE NO. 80-4

SHEET NUMBER 4 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP

DEPTH FEET	FORMATION	SAMPLE NO.	From	To	Width	Ozs. Au
104.9-108.6	Grano'd, greyish, looks barren	40			3.7'	tr.
108.6-109.4	Grano'd, with two qtz filled fractures. owe 3/4" wide qtz, has 1" bleached silicified wall rock alt'n, mineralized with 2% po, ½% py, looks good.	41			0.8'	tr.
109.4-111.4	Grano'd, two ' qtz filled fracture, ½% po and minor py.	42			2.0'	tr.
111.4-115.5	Grano'd, greyish, med. grained, looks barren	43			4.1	tr
115.5-116.0	Grano'd 3" qtz filled fracture with ½" bleached greyish alt'n in wall rock, minor py	55			1.0'	tr.
116.0-122.0	Grano'd, greyish, looks barren	56			6.0'	tr.
122.0-127.0	Grano'k, greyish looks barren	57			5.0'	tr.
127.0-128.1	Grano'd, greyish, two ½" qtz veinlets at 50% degrees to core, minor py, po.	58			1.1'	tr.
128.1-132.0	Grano'd, greyish, med. grained, looks barren	59			3.9'	tr.
132.0-136.7	Grano'd, greyish, med grained, minor qtz, minor po.	60			4.7'	tr.
136.7-139.0	Grano'd, greyish med. grained, minor qtz minor py.	61			2.3'	tr.
139.0-142.3	Grano'd, greyish, looks barren	62			3.3'	tr.
142.3-144.4	Grano'd, greyish, ½" qtz veinlet at 142.6 with					

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 4 SHEET NO. 4

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
104.9 - 108.6	Grano'd, greyish, looks barren	40			3.7'	tr	
108.6 - 109.4	Grano'd, with two QTZ filled fractures, one 3/4" wide QTZ, has 1" of bleached solicified wall rock alt'n, mineralized with Py, Po, 1/2% Py, looks good.	41			0.8'	tr	
109.4 - 111.4	Grano'd, two 1/2" QTZ filled fractures, 1/2 Py, and minor PY.	42			2.0'	tr	
111.4 - 115.5	Grano'd, greyish, med. grained, looks barren.	43			4.1'	tr	
115.5 - 116.0	Grano'd, 3" QTZ filled fracture with 1/2 " bleached gre ish alt'n in wall rock, minor PY	55			1.0'	tr	
116.0 - 122.0	Grano'd, greyish, looks barren.	56			6.0'	tr	
122.0 - 127.0	Grano'd, greyish looks barren	57			5.0'	tr	
127.0 - 128.1	Grano'd, greyish, two 1/2" QTZ vienlets at 60% degrees to core, minor Py Po.	58			1.1'	tr	
128.1 - 132.0	Grano'd, greyish, med. grained, looks barren.	59			3.9'	tr	
132.0 - 136.7	Grano'd, greyish, med grained, minor QTZ, minor Po.	60			4.7'	tr	
136.7 - 139.0	Grano"d, greyish med. grained, minor QTZ, minor py	61			2.3'	tr	
139.0 - 142.3	Grano'd, greyish, looks barren	62			3.3'	tr	
142.3 - 144.1	Grano'd, greyish, 1/4" QTZ vienlet at 142.6 with						

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DIAMOND DRILL RECORD

HOLE NO. 80-4

SHEET NUMBER 5 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP

DEPTH FEET	FORMATION	SAMPLE NO.	From	To	Width	Ozs. Au
	2" of wall rock alt'n carrying 2% po, ½% py	63			2.1'	tr.
144.4-145.6	Grano'd, greyish, two ¼" qtz veinlets, at 144.6 2" of bleached wall rock alt'n carrying 2% po, ½% py.	64			1.2'	tr.
145.6-146.4	Grano'd 2" qtz filled fractures at 50° to core axis, two inch of bleached wall rock alt'n with 2% po and ½% py.	65			0.8'	.01
146.4-148.0	Grano'd,greyish, med. grained, looks barren	66			1.6'	tr.
148.0-148.5	Grano'd 1" qtz filled fracture with 1" bleached wall rock alt'n with 1% po and minor py.	67			0.5'	tr.
148.5-150.1	Grano'd, dark greyish, looks barren	68			1.6'	tr.
150.0-151.2	Grano'd, three ½" qtz filled fracture at 50° to core axis, strong bleached wall rock alt'n 3% po ½% py, looks good.	69			1.1'	tr.
151.2-152.7	Grano'd, dark greyish, looks barren	70			1.5'	tr.
152.7-154.2	Grano'd, dark greyish, two ½" qtz filled fractures ½% po minor py.	71			1.5'	tr.
154.2-155.3	Grano'd, dark greyish, looks barren	72			1.1'	tr.
155.3-156.1	Grano'd, two 1" qtz filled fractures at 50° to core axis, strong bleached to light green wall rock alt'n which consists largely of carb. and	73			0.8'	tr.

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HOLE NO. 80 - 4 SHEET NO. 5

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
	2" of wall rock alt'n ca rrying 2% PO, 1/2% [illegible]	63			2.1'	tr	
144.4 - 145.6	Grano'd, greyish, two 1/4" QTZ stringers, at 144.6	64			1.2'	tr	
	2" of bleached wall rock alt'n carrying 2% PO						
	1/2% Py.						
145.6 - 146.4	Grano'd, 2" QTZ filled fractures at 50 degrees to	65			0.8'	.01	
	core axis, two inch of bleached wall rock alt'n						
	with 2% PO and 1/2% Py.						
146.4 - 147.0	Grano'd, greyish, med. grained, looks barren.	66			1.6'	tr	
148.0 - 148.5	Grano'd, 1" QTZ filled fracture with 1" bleached	67			0.5'	tr	
	wall rock alt'n with 1% PO and minor Py.						
148.5 - 150.1	Grano'd, dark greyish, looks barren.	68			1.6'	tr	
150.1 - 151.2	Grano'd, three 1/2" QTZ filled fracture at 50 de-	69			1.1'	tr	
	grees to core axis, strong bleached wall rock alt'n						
	3% PO 1/2% Py. looks good.						
151.2 - 152.7	Grano'd, dark greyish, looks barren	70			1.5'	tr	
152.7 - 154.2	Grano'd, dark greyish, two 1/4" QTZ filled fract-	71			1.5'	tr	
	ures, 1/2% Py, minor PO.						
154.2 - 155.3	Grano'd, dark greyish, looks barren	72			1.1'	tr	
155.3 - 156.1	Grano'd, two 1" QTZ filled fractures at 50 degrees	73			0.8'	tr	
	to core axis, strong bleached to light green wall						
	rock alt'n which consists largely of carb. and						

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DIAMOND DRILL RECORD

HOLE NO. 80-4

SHEET NUMBER 6 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP

DEPTH FEET	FORMATION	SAMPLE NO.	From	To	Width	Ozs. Au
	silica, 3% Po 1% py, looks good.					
156.1-157.0	Grano'd, dark greyish, looks barren.	74			0.9	tr.
157.0-158.0	Grano'd, 2" qtz filled fracture, 50° to core bleached light greenish wall rock alt'n and secondary grey qtz stringers, 3%po in massive blebs, 1% py, looks good.	75			1.0'	.05
158.0-159.3	Grano'd, two ¼" qtz filled fractures with heavy light green qtz, carb. wall rock alt'n 3% po ½% py, looks good.	76			1.3'	.04
159.3-165.0	Grano'd, dark greyish, med. grained, minor qtz.	77			5.7'	tr
165.0-166.7	Grano'd, two 1" qtz veinlets at 50° to core, strong light green qtz. carb. wall rock alt'n 3% py in coarse blebs. looks good.	78			1.7'	.01
166.7-167.9	Grano'd, 2" qtz filled fracture with 4" of green qtz carb. wall rock alt'n 2% po, 1%py, looks good.	79			1.2'	tr.
167.9-169.0	Grano'd, several narrow ??, stringers, 2% disseminated Py, some bleaching.	80			1.1'	tr.
169.0-169.8	Grano'd 1" carb. filled fracture with heavy green qtz carb. wall rock alt'n 3% coarse po in blebs, ½% py, looks good.	81			0.8'	.01

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WINDFALL OILS & MINES LTD.

HOLE NO. 30 - 4 SHEET NO. . . . 6 . . .

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
	silica. 3% PO 1% PY, looks good.						
156.1 - 157.0	Grano'd, dark greyish, looks heavy.	74			0.9	tr	
157.0 - 158.0	Grano'd 2" QTZ filled fracture at 50° to core to core, bleached light green wall rock alt'n and secondary grey QTZ stringers, 1% PO in massive bleba, 1% PY, looks good.	75			1.0'	.05	
158.0 - 159.3	Grano'd, two 1/4" QTZ filled fractures with heavy light green QTZ, dark wall rock alt'n, 3% PO 1/2% PY. Looks good.	76			1.3'	.04	
159.3 - 165.0	Grano'd. dark greyish, med. grained, minor QTZ.	77			5.7'	tr	
165.0 - 166.7	Grano'd, two 1" QTZ violets at) degrees to core, strong light green QTZ, dark wall rock alt'n 3% in coarse blebs, looks good.	78			1.7'	.01	
166.7 - 167.9	Grano'd, 2" QTZ filled fracture with 4" of green QTZ Carb. wall rock alt'n 2% PO, 1% PY, looks good.	79			1.2'	tr	
167.9 - 169.0	Grano'd, normal green [illegible] core, 1% disseminated PO, core broken.	80			1.1'	tr	
169.0 - 169.8	Grano'd, 1" QTZ Carb. filled fracture with heavy green QTZ carb. wall rock alt'n 3% coarse PO in blebs, 1/2% PY, looks good	81			0.8'	.01	

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DIAMOND DRILL RECORD

HOLE NO. 80-4

SHEET NUMBER 7 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP

DEPTH FEET	FORMATION	SAMPLE NO.	From	To	Width	Ozs. Au
169.8-170.5	Grano'd, greyish ¼" qtz veinlet with 1% coarse po	82			0.7'	.01
170.5-171.8	Grano'd, greyish, looks barren	83			1.3'	tr.
171.8-172.7	Grano'd, 2" qtz veinlet in fracture, strong light green qtz carb. wall rock alt'n,1% po ¼% py.	84			0.9'	tr.
172.7-173.7	Grano'd, three ¼" qtz veinlets at 65° to core strong light green qtz carb. wall rock alt'n 3% coarse po, 3% coarse py blebs, looks good	85			1.0'	.01
173.7-174.7	Grano'd, 80% qtz vein containing carb. light green qtz carb. wall rock alt'n coarse blebs of py and po, looks good.	86			1.0'	tr.
174.7-175.7	Grano'd, greyish, ¼" qtz veinlet at 50° to core. Light green bleached wall rock carrys 2% coarse py.	87			1.0'	.02
175.7-179.2	Grano'd dark greyish, looks barren	88			3.5'	tr.
179.2-179.8	Grano'd 30% qtz ¼% py ¼% po	89			0.6'	tr
179.8-181.1	Grano'd, dark greenish, looks barren	90			1.3'	tr.
181.1-183.1	Grano'd, two ¼" qtz veinlets at 50° to core Light bleached alt'n throughout. 1% py minor po	91			2.0'	.02
183.1-184.1	Grano'd two ¼" qtz veinlets, strong light greenish qtz carb. wall rock alt'n 3% blebs po, 2%					

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WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 4 SHEET NO. 7

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au
169.[illegible] - 170.5	Grano'd, greyish 1/2" QTZ vienlet with 1% coarse	82			0.7'	.01
	PO					
170.5 - 171.8	Grano'd, greyish, looks barren	83			1.3'	tr
171.[illegible] - 172.7	Grano'd, 2" QTZ vienlet in fracture, strong light	84			0.9'	tr
	green QTZ Carb. wall rock alt'n, 1% PO 1/4% PY.					
172.7 - 173.7	Grano'd, three 1/2" QTZ vienlets at 45 degrees to	85			1.0'	.01
	core, strong light green QTZ Carb. wall rock alt	n				
	3% coarse PO, 3% coarse [illegible] blebs, looks good					
173.7 - 174.7	Grano'd, 80° QTZ vien containing carbonate light	86			1.0'	tr
	green QTZ Carb. wall rock alt'n coarse blebs of					
	PY and PO, looks good.					
174.7 - 175.7	Grano'd, greyish, 1/2" [illegible] vienlet at 50 degrees	87			1.0'	.02
	to core. Light green bleached wall rock carrys 2%					
	coarse PY					
175.7 - 179.2	Grano'd, dark greyish, looks barren	88			3.5'	tr
179.2 - 179.8	Grano'd, 30° [illegible] 1/2" QTZ 1/[illegible]	89			0.6'	tr
179.8 - 181.1	Grano'd, dark greyish, looks barren	90			1.3'	tr
181.1 - 183.1	Grano'd, two 1/2" QTZ vienlets at 50 degrees to	91			2.0'	.02
	core, Light bleached alt'n throughout, 1% PY minor					
	PO.					
183.1 - 184.1	Grano'd, two 1/2" QTZ vienlets, strong light gre-					
	enish QTZ Carb. wall rock alt'n 3% blebs PO, 2%					

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DIAMOND DRILL RECORD

HOLE NO. 80-4

SHEET NUMBER 8 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP

DEPTH FEET	FORMATION	SAMPLE NO.	From	To	Width	Ozs. Au		
	blebs py, looks good.	92			1.0'	.04		
184.1-184.7	Grano'd, with a 4? white qtz veinlet that carries a 10% py blebs one is 3/4" in diameter at 184.3, there are several fine specs of V.G. This is a good looking structure.	93			0.6'	.47 .45 .52	.48	
184.7-185.4	Grano'd, some gr. qtz carb. wall rock alt'n 2% po 1% py.	94			0.7'	.01		
185.4-187.0	Grano'd dk, greyish, looks barren	95			1.6'	tr.		
187.0-187.6	Grano'd, 2" qtz veinlet at 50° to core axis. 1% py.	96			0.6'	.01		
187.6-189.2	Grano'd, dk, greyish, looks barren	97			1.6'	tr.		
NOTE.	142.1-187.6 the granodiorite is mineralized with alternating bands of dark grey barren looking grano'd with series of qtz filled fracture veins, carrying strong light green qtz carb. wall rock alt'n that carries blebs of po and py. mineralization and also carries V.G. recognized at 184.3 Note: This seems to be a structural grouping over core length of 45.4'.							

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TO FOLLOW

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 4 SHEET NO. 8

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
	blebs PY, looks good.	92			1.0'	.04	
184.1 - 184.7	Grano'd, with a 4Y white QTZ violet that carries	93			0.6	.47	
	a 10% PY blebs one is 3/4" in diameter at 184.3,					.45	.48
	there are several fine specs of V.G. this is a					.52	
	good looking structure.						
184.7 - 185.4	Grano'd, some gr. QTZ Carb. well mod alt'n 2 1/2	94			0.7'	.01	
	1% PY.						
185.4 - 187.0	Grano'd, dk. greyish, looks barren	95			1.6'	tr	
187.0 - 187.6	Grano'd, 2" QTZ violet at 50 degrees to core	96			0.6'	.01	
	axis, 1% PY						
187.6 - 189.2	Grano'd, dk. greyish, looks barren	97			1.6'	tr	
Note	142.1 - 187.6 The Granodiorite is mineralized						
	with alternating bands of dark grey barren looking						
	grano'd with series of PY filled fracture veins,						
	carrying strong light green QTZ carb. wall rock						
	alt'n that carries blebs of PY and PY. mineral-						
	ization and also carries V.G. recognized at 184.3						
	Note: This seems to be a structural grouping over						
	core length of 45.4'.						

DRILLED BY _____ SIGNED _____

DIAMOND DRILL RECORD

HOLE NO. 80-4

SHEET NUMBER 9 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP

DEPTH FEET	FORMATION	SAMPLE NO.	From	To	Width	Ozs. Au
189.2-192.0	Grano'd, greyish, minor qtz minor Py	98			2.8'	tr
192.0-192.5	Grano'd, 1" qtz veinlet along fracture, minor wall rock alt'n 1% Po, ½% Py	99			0.5'	tr
192.5-196.8	Grano'd dark greyish, med. grained, looks barren	100			4.3'	tr
196.8-197.4	Grano'd, 1" qtz vein at 55° to core axis minor py, minor po	101			0.6'	tr
197.4-200.1	Grano'd, greyish looks barren	102			2.7'	tr
200.1-201.0	Grano'd, two ½" qtz stringers 1% py streak	103			0.9'	.02
201.0-207.2	Grano'd, dk. greyish, med. grained looks barren	104			6.2'	tr
207.2-208.5	Grano'd, ½" and 1" qtz filled fracture, minor py minor po	105			1.3'	tr
208.5-210.0	Grano'd dk. greyish, looks barren	106			1.5'	tr
210.0-210.7	Grano'd, strong lt. greenish qtz carb.alt'n ½" qtz vein filled with 3/4" massive py,looks good.	107			0.7'	.03
210.7-212.6	Grano'd, dark greyish ½" qtz veinlet minor py	108			1.9'	tr.
212.6-216.0	Andesite, possibly antisictic? tuff contacts with grano'd are sharp at 40° to core axis. minor qtz and po	109			3.4'	tr
216.0-216.5	Contact zone between Grano'd and tuff carries a ½" qtz vein and 3% py and po.	110			0.5'	.03

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TO FOLLOW

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. BO - 4 SHEET NO. 9

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
189.? - 192.0	Grano'd, greyish, minor QTZ, minor P	98			2.8'	tr	
192.0 - 192.5	Grano'd, 1" QTZ violet along fracture, minor wall	99			0.5'	tr	
	rock alt'n 1% PO, 1/2% PY						
192.5 - 196.8	Grano'd dark greyish, med. grained, looks barren	100			4.3'	tr	
196.8 - 197.4	Grano'd, 1" QTZ vein at 55 degrees to core axis	101			0.6'	tr	
	minor PY, minor PO						
197.4 - 200.1	Grano'd, greyish, looks barren	102			2.7'	tr	
200.1 - 201.0	Grano'd, two 1/4" QTZ stringers 15 to sheath	103			0.9'	.02	
201.0 - 207.2	grano'd, dk. greyish, med. grained looks barren	104			6.2'	tr	
207.2 - 208.5	Grano'd, 1/2" and 1" QTZ filled fracture, minor	105			1.3'	tr	
	PY, minor PO						
208.5 - 210.0	Grano'd, dk. greyish, looks barren.	106			1.5'	tr	
210.0 - 210.7	Grano'd, strong lt. greenish tint carb. Alt'n 1/2"	107			0.7'	.03	
	QTZ vein filled with 3/4" massive PY, looks						
	good						
210.7 - 212.6	Grano'd, dark greyish 1/4" QTZ violet minor PY	108			1.9'	tr	
212.6 - 216.0	Andesite, possibly antisidic tuff contacts with	109			3.4'	tr	
	grano'd are sharp at 40 degrees to core axis,						
	minor QTZ and PO						
216.0 - 216.5	Contact zone between Grano'd and Tuff carries a	110			0.5'	.03	
	1/2" QTZ vein and 3% PY and PO						

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 4 SHEET NO. 10

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au	
216.5 - 218.0	Grano'd, minor QTZ, minor PY	111			1.5'	tr	
218.0 - 219.0	Grano'd, strong lt. green QTZ Carb. alt'n, 7% PO 2% PY.	112			1.0'	.06	
219.0 - 222.8	Grano'd, to 220' then andicite from 220' - 222.8' sharp contacts. The andicite carries minor PO.	113			3.8'	tr	
222.8 - 223.5	Grano'd, minor QTZ Carb. alt'n, minor PO	114			0.7'	tr	
223.5 - 224.0	Grano'd, a 1" QTZ vien filled fracture at 55 degrees to core, minor PO.	115			0.5'	tr	
224.0 - 227.5	Grano'd, greyish, looks barren	116			3.5'	tr	
227.5 - 229.1	Grano'd, greyish, looks barren	117			1.6'	tr	
229.1 - 229.8	Grano'd, 1/4" grey QTZ vienlet, 1% PO	118			0.7'	.31, .34, .30	
229.8 - 232.0	Grano'd, greyish, looks barren	119			2.2'	tr	
232.0 - 233.5	Grano'd, 1" QTZ vienlet at 55 degrees to core, 4" of bleached wall rock alt'n each side and c carries 7% coarse Blob of PY, looks good	120			1.5'	.05	
233.5 - 234.3	Grano'd, 5" QTZ vien at 55 degrees to core, some coarse blebs of PY, looks good	121			0.8'	.02	
234.3 - 238.0	Grano'd, greyish, looks barren	122			3.7'	tr	
238.0 - 243.0	Grano'd, greyish, looks barren	123			5.0'	tr	
243.0 - 246.0	Grano'd, greyish, looks barren	124			3.0'	tr	
246.0 - 246.8	Grano'd, greyish, 1/2" QTZ vienlet, minor PO	125			0.8'	.02	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 4 SHEET NO. 11

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
	strong rusty seams at 246.7						
246.8 - 250.0	Grano'd, greyish, looks barren	126			3.2	tr	
250.0 - 253.5	Grano'd, greyish, looks barren, from 250' - 251.0	139			3.5'	tr	
	strong faulted portion with rusty fractures						
253.5 - 254.0	Grano'd, 2 1/4" QTZ stringers, rusty minor PY PO	140			0.5'	.07	
254.0 - 264.0	Grano'd, 30% core recovery due to rusty fract-	141			10.0'	.02	
	ured rock, looks barren						
264.0 - 268.0	Grano'd, greyish, looks barren, the rock is	142			4.0'	.01	
	massive with minor fracturing.						
268.0 - 271.0	Grano'd, greyish, minor Q-C alt'n, minor PY PO	143			3.0'	tr	
271.0 - 271.5	Grano'd, 1" QTZ vien at 60 degrees to core,						
	minor PY PO.	144			0.5'	tr	
271.5 - 273.5	Grano'd, greyish, looks barren	145			2.0'	tr	
273.55--274.2	Grano'd, 2" QTZ vien at 60 degrees to core and	146			0.7'	.01	
	2" of wall rock alt'n each side which carries						
	4% coarse PY, looks good.						
274.2 - 276.0	Grano'd, dk. greyish, looks barrem	147			1.8'	tr	
276.0 - 276.7	Grano'd, 1/2" QTZ vien with some wall rock alt'n	148			0.7'	tr	
	2% coarse PY.						
276.7 - 278.0	Grano'd, some bleaching and alt'n 2% coarse PY	149			1.3'	.03	
278.0 - 280.7	Grano'd, dk. greyish, looks barren.	150			2.7'	tr	

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SIGNED .....

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 4 SHEET NO. 12

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
280.7 - 281.4	Grano'd, 2" QTZ vien, 1/2% PO PY	151			0.7'	tr	
281.4 - 284.0	Grano'd, dk. greyish, looks barren	152			2.6'	tr	
Note:	This hole was stopped at a depth of 284' due to caving at 250' in hole.						

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SIGNED C. J. Kerr-Lawson

HOLE 80 - 4

Tro Pari Tests

Footage	Dip	Bearing	Azim	Footage	Horis.	Vert.
Collar	-62	N-80-E	N-80°E	0-100'	47.0	88.3
200'	-60	N-72°E	76	100'-284'	92.0	159.4

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 5 SHEET NO. 1

LATITUDE 13221.82 DATUM AXT CORE SIZE Stored in office Windfall STARTED June 26, 1980

DEPARTURE 11259.42 BEARING N-80°-E COMPLETED June 30, 1980

ELEVATION 9914.72 DIP -60° ULTIMATE DEPTH 209.0

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
0 - 23.0	Casing in overburden						
23.0 -	Grano'd, dk. greyish, fine grained, probably						
	chilled contact edge of the grano'd.						
23.0 - 28.0	Grano'd, greyish, 1/2% PY	197			5.0'	tr	
28.0 - 33.0	Grano'd, greyish, looks barren	198			5.0'	tr	
33.0 - 38.0	Grano'd, greyish, fine grained, looks barren.	199			5.0'	tr	
38.0 - 42.5	Grano'd, greyish, fine grained, looks barren.	200			4.5'	tr	
42.5 - 45.8	Grano'd, greyish, minor PY, minor QTZ	201			3.3'	tr	
45.8 - 49.0	Grano'd, fine grained, 2 1/4" QTZ stringers,	202			1.2'	tr	
	with PY						
49.0 - 51.0	Grano'd, fine grained, 2 1/4" QTZ vienlets, minor	203			2.0'	tr	
	PY						
51.0 - 56.0	Grano'd, fine rained, minor QTZ, minor PY	204			5.0'	tr	
56.0 - 61.0	Grano'd, fine grained, looks barren	205			5.0'	.03	
61.0 - 63.0	Grano'd, greyish, looks barren	206			2.0'	tr	
63.0 - 66.5	Grano'd, fine grained, minor QTZ, 1% PY	207			3.5'	.02	
66.5 - 67.4	Grano'd, 2 1/4" QTZ vienlets, 1% coarse PY	208			0.9'	.07	
67.4 - 71.0	Grano'd, fine grained, looks barren	209			.6'	tr	
71.0 - 76.0	Grano'd, fine grained, looks barren	210			.0'	tr	
76.0 - 79.0	Grano'd, med. grained, looks barren	211			.0'	tr	

Kenora Drilling Co.

C. J. KURYLIW

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 5 SHEET NO. 2

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
79.0 - 81.6	Grano'd, greyish, fine grained, looks barren	212			2.6'	tr	
~~81.6 - 88.0~~	~~Grano'd, fine grained, chilled contact edge, trace QTZ, trace PY~~	213			6.4'	tr	
88.0 - 89.5	Grano'd, 80% core recovery, 5% QTZ, 1/2% PY	214			1.5'	tr	
89.5 - 90.5	Grano'd, 20% sol'd, 3% dissem. PY, at 90.4 minor fault runs at 55 degrees to core.	215			1.0'	.02	
90.5 - 95.5	Andesite, probably a tuff, greyish, fine grained, a few amygdules.	216			5.0'	tr	
95.5 - 100.0	80% grano'd, 20% andesite, a contact zone follows along the core, minor QTZ, minor PY	217			4.5'	tr	
NOTE:	The drill hole id following the contact						
100.0 - 105.0	Grano'd, along the contact, vuggy in part, possibly due to PY mineralization and fault movements.	218			5.0'	tr	
105.0 - 110.0	Grano'd, med. grained, greyish, minor QTZ, minor PY.	219			5.0'	tr	
110.0 - 115.0	60% andesite, 40% grano'd, the drill hole is sliding along the contact zone. the grano'd is vuggy in part with some PY.	220			5.0'	tr	

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 5 SHEET NO. 3

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au	
115.0 - 120.0	Andesite, brownish grey, fine grained with fine amygdules, looks barren	221			5.0'	tr	
120.0 - 125.0	Andesite, brownish grey, fine grained with fine amygdules, looks barren	222			5.0'	tr	
125.0 - 127.0	Andesite, brownish grey, fine grained, ammygdul-oidal, looks barren	223			2.0'	tr	
127.0 - 127.6	Andesite, 3/4" QTZ vien at 50 degrees to core, 3% coarse PY, looks good	224			0.6'	.06	
127.6 - 131.5	Grano'd, greyish 1/2" QTZ vienlet, looks barren	225			1.9'	tr	
131.5 - 137.0	Grano'd, greyish, looks barren	226			5.5'	tr	
137.0 - 141.5	Grano'd, greyish, fine grained, looks barren	227			4.5'	tr	
141.5 - 143.2	Grano'd, greyish, 1/2" QTZ vienlets, looks barren	228			1.7'	.01	
143.2 - 143.7	Grano'd, 1/2" QTZ vienlet, 3% coarse PY, looks good.	229			0.5'	1.42 1.58 1.02	1.53/0.5
143.7 - 147.5	Grano'd, greyish, fine grained, looks barren	230			3.8'	.02	
147.5 - 151.5	Grano'd, greyish, fine grained, ½% PY	231			4.0'	tr	
151.5 - 156.2	Grano'd, minor QTZ-carb. alt'n , 2% PY	232			4.7'	tr	
156.2 - 157.3	Grano'd, 1" QTZ vien at 55 degrees to core, 2% coarse PY.	233			1.1'	.04	
157.3 - 158.8	Grano'd, greyish, looks barren	234			1.5'	tr	
158.8 - 159.4	Grano'd, 2 1/4" QTZ vienlets, 2% PY	235			0.6'	tr	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 5 SHEET NO. 4

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au
159.4 - 164.0	Grano'd, greyish, vuggy in part, minor PY	236			4.6'	tr
164.0 - 168.5	Grano'd, greyish, 1/2% PY	237			4.5'	tr
168.5 - 173.0	Grano'd, greyish, looks barren	238			4.5'	tr
173.0 - 177.5	30% grano'd, 70% andesite, core followed the contact zone, the grano'd is pretty vuggy with some PY	239			4.5'	tr
177.5 - 182.0	Andesite, brownish grey, fine grained, amygdaloidal	240			4.5'	tr
182.0 - 186.5	Andesite, brownish grey, fine grained, amygdaloidal	241			4.5'	tr
186.5 - 191.0	Andesite, brownish grey, fine grained, amygduloidal	242			4.5'	tr
191.0 - 195.3	Contact zone, 80% grano'd, 20% andesite, drill core follows along the grano'd - andesite contact which undulates along the core, the grano'd is vuggy at the contact with 1% PY	243			4.3'	.10
195.3 - 199.7	Grano'd, greyish, fine grained, traces PY	244			4.4'	tr
199.7 - 204.5	Grano'd, greyish, looks barren	245			4.8'	tr
204.5 - 209.0	Grano'd, greyish, fine grained, looks barren	246			4.5'	tr
NOTE :	This hole was stopped at 209' due to the fact that the drill hole was following in and outof the contact zone between a grano'd dyke and an					

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 5 SHEET NO. 5

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
	inclusion of andesitic tuff caught between two						
	successive parallel grano'd intrusions.						

DRILLED BY _____ SIGNED E J Kurylkiw

HOLE No. 80 - 5

Footage	Dip	Baaring	Azim.	Footage	Horiz	Vert.
Collar	-60°	N - 80°E	N - 80°E	0 - 209'	104.5	181.1

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 -6 SHEET NO. 1

AXT Core

LATITUDE 13202.46 DATUM Stored in office Windfall STARTED July 1,1980

DEPARTURE 11376.75 BEARING N-79 19' 07"-E COMPLETED July 9,1980

Tro Pari: Collar -58 21'19" N-79 19'-E

ELEVATION 9921.40 DIP @200' -55 N-77-E ULTIMATE DEPTH 502.0'

@400' -53 N-85-E

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
0 - 15.0	Casing in overburden						
15.0 - 80.0,	Grano'd, dk greyish, fine grained, massive, generally barren with very little QTZ fractures						
45.3 - 46.3	Grano'd, 1/2" QTZ vien with massive PY, runs at 50 degrees to core	466			1.0'	.07	
52.7 - 58.3	Grano'd, 1/2" QTZ-carb vienlet with massive PY, runs 50 degrees to core	467			0.6'	.07	
80.0 - 82.0	Gran'd, med. grained, two 1/4" QTZ stringers, minor PY	468			2.0'	Tr	
80.0 - 160.0	Grano'd, greyish, med. grained with several QTZ vienlets, running at 55 degrees to core, some with wall rock alt'n with coarse to massive PY some of these carry V.G						
82.0 - 85.0	Grano'd, dk greyish, med. grained, minor QTZ, minor PY	469			3.0'	Tr	
85.0 - 89.0	Grano'd, 3% QTZ in narrow stringers, 1/2% PY	470			4.0'	Tr	
89.0 - 90.0	Grano'd, a 2" banded QTZ vienlet at 50 degrees to core, 2% coarse PY	471			1.0'	0.07	
90.0 - 91.0	Grano'd, a 2" glassy QTZ vien runs at 35 degrees to core and carries two specs of V.G. at 90.5'	472			1.0'	0.06 0.06	0.063

J. KURYLIW

DRILLED BY [illegible] SIGNED J. Kuryliw

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 6 SHEET NO. 2

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
91.0 - 93.0	Grano'd, minor QTZ, minor Py	473			2.0'	Tr	
93.0 - 97.0	Grano'd, greyish, med. grained, looks barren	474			4.0'	Tr	
97.0 - 101.3	Grano'd, minor QTZ, minor PY	475			4.3'	Tr	
101.3 - 102.0	Grano'd, a 1/2" QTZ vien with 3% PY runs at	476			0.7'	Tr	
	50 degrees to core						
102.0 - 106.0	Grano'd, greyish, looks barren	477			4.0'	Tr	
106.0 - 106.8	Grano'd, a 2" QTZ vien runs at 50 degrees to	478			0.8'	.04	
	core with 2% PY, a one of V.G in carbonate in-						
	cluded in the QTZ						
106.8 - 110.0	Grano'd, greyish, looks barren	479			3.2'	Tr	
110.0 - 112.6	Grano'd, greyish, minor QTZ, minor PY	480			2.6'	Tr	
112.6 - 113.6	Grano'd, a 1" QTZ vien with 2" greenish wall	481			1.0'	.02	
	rock alt'n each side which carries 2% PO, 3% PY,						
	looks good					0.60	
113.6 - 114.6	Grano'd, a 1/4" QTZ vienlet with massive PY	482			1.0'	0.63	0.64
	carries one fine spec of V.G, 4" of wall rock					0.69	
	alt'n arrying PY borders the vienlet						
114.6 - 118.0	Granod, looks barren	483			3.4'	.06	
118.0 - 118.8	Grano'd, two 1/4" QTZ vienlets, minor PY	484			0.8'	Tr	
118.8 - 123.8	Grano'd, greyish, looks barren	485			0.5'	Tr	
123.8 - 129.5	Grano'd, looks barren	486			5.7'	Tr	

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 6 SHEET NO. 3

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
129.5 - 130.8	Grano'd, strong green QTZ-carb alt'n, 5% massive PY	487			1.3'	.04	
130.8 - 133.0	Grano'd, greyish, minor QTZ, minor PY	488			2.2'	Tr	
133.0 - 134.0	Grano'd, two 1/2" QTZ vienlets, one with massive PY runs at 55 degrees to core	489			1.0'	Tr	
134.0 - 135.0	Grano'd, greyish, 1/4" QTZ-carb vienlet with 50% massive Py Carries a spec. of V.G. at 134.5 Wall rock alt'n 1" wide occurs in each side of the vienlet	490			1.0'	~~2.01~~ 2.29 2.08	2.12
135.0 - 140.0	Grano'd, greyish, looks barren	491			5.0'	.09	
151.0 - 153.0	Gabbro dyke, dk greyish, fine to med, grained with its contact at 30 degrees to core						
176.7 - 177.4	A 2" glassy QTZ vien at 50 degrees to core, m minor PY	492			0.7'	.04	
199.0 - 199.8	Grano'd, a 1" QTZ vien and a 1½" massive PY vian at 50 degrees to core, looks good	493			0.8'	~~.81~~ .89 .89	.86
214.3 - 214.8	Grano'd, a 1" glassy QTZ vi n at 50 degrees to core, minor PY	494			0.5	.06	
225.8 - 226.5	Grano'd, strong QTZ-carb alt'n, greenish	495			0.7	.03	

DRILLED BY _____ SIGNED _____

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 6 SHEET NO. 4

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au	
235.8 - 236.6	Grano'd, a 2" QTZ vienlet at 50 degrees with	496			0.8'	.12	
	3" of green QTZ-carb wall rock alt'n, minor PY						
242.5 - 243.3	Grano'd, a 3" glassy QTZ vien, 50 degrees to	497			0.8'	.02	
	core, minor PY						
245.5 - 248.0	Grano'd, two 4" sections of strong QTZ-carb alt'n	498			2.5'	Tr	
	1% PY						
153.0 - 249.0	From 153.0 - 249.0 grano'd, greyish fine to						
	med. grained occasionalnarrow QTZ vienlet						
261.0 - 510.0	Grano'd, greyish, med.grained occasional QTZ	470					
	vienlet and wall rock alt'n						
248.0 - 249.0	Grano'd, a 3" QTZ vian with rusty wall rock a	499			1.0'	Tr	
	alt'n						
262.5 - 263.2	Grano'd, a 2" glassy QTZ vien some rusty wall	500			0.7'	.02	
	rock alt'n						
266.5 - 267.3	Grano'd, a 1" QTZ vienlet, minor wall rock alt'n	501			0.8'	.04	
268.0 - 268.7	Grano'd, a 1" QTZ-carb. vien 1% PO, 1% PY	502			0.7'	~~.38~~ .31	.32 .336
272.3 - 273.5	Grano'd, two 1" QTZ vienlets, 1% PY, 1% PO	503			1.2'	.01	
278.5 - 279.3	Grano'd, two 1" QTZ vienlets, 3% PY, looks good	504			0.8'	.03	
279.3 - 282.0	Grano'd, dk greyish, minor PY, minor QTZ	505			2.7'	Tr	

DRILLED BY _____

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 6 SHEET NO. 5

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
282.0 - 283.5	Grano'd, med. QTZ-carb alth, 3% PY	506			1.5'	Tr	
283.5 - 286.1	Grano'd, dk greyish, looks barren	507			2.6'	Tr	
286.1 - 287.1	Grano'd, strong QTZ-carb. alt'n with a 1/2" carb vien which carries coarse specs of dk brown ZNS	508			1.0'	Tr	
287.1 - 288.5	Grano'd, greyish, looks barren	509			1.4'	Tr	
292.3 - 293.8	Grano'd, minor QTZ-carb alt'n, minor PY	510			1.5'	Tr	
293.8 - 294.8	Grano'd, two 1/2" QTZ vienlets, 2% PY	511			1.0'	.06	
294.8 - 295.6	Grano'd, a 1/2" QTZ vienlet at 60 degrees tp core, one coarse spec of V.G at 295.3, some rusty wall rock alt'n	512			0.8'	0.70 0.79 0.72	0.73
295.6 - 297.4	Grano'd, 1/2" QTZ vien, 1/2% coarse PY	513			1.8'	Tr	
299.0 - 299.7	Grano'd, a 1" QTZ vien at 60 degrees to core, minor PY	514			0.7'	Tr	
302.0 - 302.6	Grano'd, two 1/2" QTZ vienlets, minor PY	555			0.6'	.03	
304.7 - 306.8	Grano'd, with some carb. hematite alt'n, 5% coarse carb. and 2 apletic dykes, one inch wide each at 305.2 and 306.6	515			2.1'	.01	
308.2 - 309.8	Grano'd, a 3" QTZ vien at 60 degrees tp core, 5% coarse PY	516			1.6'	.20	
309.8 - 311.4	Grano'd, a 1/2" QTZ vienlet with 3" of strong QTZ-carb wall rock alt'n that carries 5% PY,						

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 6 SHEET NO. 6

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au	
	2% PO	517			1.6'	.04	
311.4 - 313.4	Grano'd, strong QTZ-carb alt'n, 2% coarse PY	518			2.0'	.02	
313.4 - 314.6	Grano'd, a 3" QTZ vien at 60 degrees to core,	519			1.2'	.02	
	1/2% PY						
314.6 - 316.8	Grano'd, minor QTZ, minor PY	520			2.2'	Tr	
316.8 - 317.4	Grano'd, a 2" QTZ vien with 5% massive PY	521			0.6'	.13	
317.4 - 322.8	Grano'd, dk. greyish, minor QTZ, minor PY	522			5.4'	Tr	
322.8 - 324.5	Grano'd, one 3" glassy QTZ vien, the other a	523			1.7'	Tr	
	1" QTZ vien that carries 5% coarse PY in wall						
	rock alt'n						
334.0 - 335.4	Grano'd, coarse grained, two 1/4" QTZ stringers,	524			1.4'	.02	
	minor PY						
338.6 - 343.4	Grano'd, greyish, coarse grained, looks barren	525			4.8'	Tr	
343.4 - 344.1	Grano'd, a 3" QTZ vien at 60 degrees to core	526			0.7'	0.57 0.57 0.69	0.597
	carries some coarse PY and several specs of V.G						
	with altaite at 343.9						
344.1 - 345.3	Grano'd, greyish, looks barren	527			1.2'	Tr	
353.6 - 354.2	Grano'd coarse grained, a 1/2" QTZ vien, carries	528			0.6'	.02	
	1% PY and some ZNS						
354.2 - 355.6	Grano'd, med QTZ-carb alt'n, 2% PY	529			1.4'	Tr	
358.8 - 359.4	Grano'd, a 1/2" QTZ vienlet, minor PY	530			0.6'	Tr	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 6 SHEET NO. 7

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
365.0 - 366.0	Grano'd, a 3" QTZ vien at 50 degrees to core,	531			016'	.05	
	5% coarse PY, in wall rock, looks good						
366.0 - 370.0	Grano'd, dk greyish, coarse grained, loos	532			3.0'	Tr	
	barren						
370.0 - 371.4	Grano'd, 4" QTZ vien at 45 degrees to core, 3%	533			1.4'	.06	
	coarse PY in wall rock alt'n						
371.4 - 372.2	Grano'd, dk greyish, looks barren	534			0.8'	.03	
372.2 - 373.3	Grano'd, a 1" QTZ vien with strong wall rock	535			1.1'	Tr	
	alt'n, 1% PY						
373.3 - 378.3	Grano'd, looks barren	536			5.0'	Tr	
378.0 - 379.0	Grano'd, a 1/2" QTZ vien, minor PY	537			1/0'	Tr	
383.8 - 385.1	Grano'd, strong QTZ-carb alt'n with 5% coarse	538			1.3'	0.17 0.13 0.18	0.16
	Py, contains a 3" QTZ-carb vien at 50 degrees						
	tocore with V.G. at 385.0 along the edge of the						
	vienlet						
385.1 - 386.8	Grano'd, dk greyish, looks barren	539			1.7'	Tr	
386.8 - 388.4	Grano'd, two 1" QTZ vienlets, 1% PY	540			1.6'	Tr	
388.4 - 393.4	Grano'd, dk greyish, looks barren	541			5.0'	Tr	
393.4 - 395.0	Grano'd, wk QTZ-carb alt'n, 1/2% PY	542			1.6'	Tr	
395.0 - 397.1	Grano'd, two 1" QTZ vienlets, with some wall	543			2.1'	.04	
	rock alt'n, 1% PY						

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 6 SHEET NO. 8

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au	
397.1 - 398.4	Granо'd, a 1/2" QTZ-carb vien with 3" QTZ-carb	544			1.3'	.01	
	wall rock alt'n that carries 1% PO, 1% PY						
398.4 - 401.4	Grano'd, dk greyish, looks barren	545			3.0'	Tr	
401.4 - 402.8	Grano'd, a 1" glassy QTZ vien that runs at 50	546			1.4'	0.03	
	degrees to core, has strong wall rock alt'n with					0.02	.023
	coarse PY and a spec of V.G at 402.5					0.02	
402.8 - 405.0	Grano'd, dk. greyish, looks barren	547			2.2'	Tr	
405.0 - 406.2	Grano'd, several 1/8" QTZ fractures that carries	548			1.2'	.02	
	1% coarse PY						
406.2 - 409.8	Grano'd, dk greyish, looks barren	549			3.6'	Tr	
409.8 - 410.4	Grnao'd, 1" QTZ vien, minor PY	550			0.6'	Tr	
415.3 - 415.8	Grano'd, 1/2" QTZ vien, minor PY	551			0.5'	.01	
419.3 - 420.7	Grano'd, a 1/2" QTZ vienlet with minor PY	552			1.4'	.02	
420.7 - 422.1	Grano'd, dk greyish, looks barren	553			1.4'	Tr	
422.1 - 422.8	Gran'd, a 6" glassy QTZ vien at 50 degrees to						
	core, some coarse PY in wall rock	554			0.7'	.02	
422.8 - 424.0	Grano'd, one 1/2" QTZ v enlet at 50 degrees to	556			1.2'	.05	
	core, 3% PY in altered wall rock						
424.0 - 425.0	lost core						
425.0 - 426.7	Grano'd, dk. greyish, minor QTZ, minor PY	558			1.7'	Tr	
426.7 - 429.0	Grano'd, wk QTZ carb, alt'n 1% PY	558			2.3'	Tr	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 6 SHEET NO. 9

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH (FEET)	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
429.0 - 431.9	Grano'd, a 1/2" QTZ-carb vienlet with coarse PY,	559			2.9'	Tr	
	and strong wall rock alt'n, dk greyish, minor						
	QTZ, minor PY						
431.9 - 435.5	Grano'd, minor QTZ, minor PY	561			3.6'	Tr	
435.5 - 437.1	Grano'd, a 3" glassy QTZ vien at 55 degrees to	562			1.6'	.16	
	core, 1% PY						
443.7 - 444.7	Grano'd, one 2" and 1" QTZ vienlets, med. wall	563			1.0'	.13	
	rock alt'n, 2% PY						
444.7 - 448.8	Grano'd, coarse grained, looks barren	564			4.1'	Tr	
448.8 - 450.3	Grano'd, a 1" QTZ vien at 55 degrees to core,	565			1.5'	Tr	
	1/2% PO, 1/2% PY						
450.3 - 452.2	Grano'd, four 1/2"QTZ vienlets with strong	566			1.9'	.09	
	wall rock alt'n, 3% coarse PY, looks good						
452.2 - 456.1	Grano'd, dk greyish, minor QTZ, minor PY	567			3.9'	Tr	
456.1 - 456.8	Grano'd, a 2" QTZ-carb vienlet, 1% PY	568			0.7'	Tr	
456.8 - 459.6	Grano'd, dk. greyish, minor QTZ, minor PY	569			2.8'	Tr	
459.6 - 461.2	Grano'd, med. QTZ-carb alt'n, 3% PY	570			1.6'	.08	
466.3 - 468.6	Grano'd, med. QTZ alt'n, 2% PY, a trace of ZNS	571			2.3'	Tr	
471.2 - 472.0	Grano'd, a 2" QTZ vien, 1% coarse PY	572			0.8'	Tr	
478.4 - 480.0	Grano'd, three 1" QTZ vienlets, med. QTZ-carb	573			1.6'	Tr	
	alt'n, 3% coarse PY						

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 6 SHEET NO. 10

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au	
482.3 - 483.0	Grano'd, a 1/2" QTZ vien at 50 degrees to core,	574			0.7'	Tr	
	3% PO, 2% PY in viens						
486.7 - 487.7	Grano'd, strong QTZ-carb alt'n, 3% coarse PO,	575			1.0'	.04	
	3% coarse PY, a trace of ZNS						
500.6 - 502.0	Grano'd, a 1/2" QTZ vienlet at 40 degrees to	576			1.4'	Tr	
	core, minor PY						
	510.0 End of hole						

DRILLED BY _____ SIGNED C. F. Kerr-Lewis

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

A x core

HOLE NO. 80 - 7 SHEET NO. 1

LATITUDE 13258.68 DATUM Stored in office Windfall STARTED July ,1980

DEPARTURE 11359.36 BEARING N-82 21'55"-E COMPLETED July 14,1980

ELEVATION 9922.92 Tro Pari Collar -59 30'45"
DIP @ 200' -58 N-66-E
@ 400' -56 N-84-E ULTIMATE DEPTH 486.0'

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au
0 - 13.0	Casing in overburden					
13.0 - 96.5	Grano'd, greyish to dk greyish, fine to med grained					
	generally barren, with a few widely spaced QTZ					
	filled fractures					
45.7 - 46.3	Grano'd, a 3" glassy QTZ vien at 60 degrees to	376			0.6'	.01
	core axis, minor PY					
62.5 - 63.5	Two 1/4" QTZ stringers at 60 degrees to core, 1%	377A			1.0'	Tr
	coarse PY					
67.8 - 68.8	Grano'd, Two 1/2" QTZ vienlets, running at 60	378			1.0'	.06
	degrees to core axis, 1% PY					
72.2 - 72.7	Grano'd, 1/2" QTZ vienlet at 60 degrees to core	379			0.5'	Tr
	axis, minor PY					
90.0 - 92.5	Grano'd, a one inch and 1/2" QTZ vienlets, minor	380			2.5'	Tr
	PY &PO					
96.5 - 98.4	Grano'd, two 1/4" QTZ vienlets with 2" QTZ-carb	381			1.9'	.02
	alt'n, wall rock carrying 2% PO, 1/2% PY					
NOTE:	96.5 - 131.0 Grano'd, dark greyish, fine					
	to med. grained, contains several sections of					
	narrow QTZ vienlets, bordered by light greenish					

C. J. KURYLUK

DRILLED BY Kenora Diamond Drilling Co.

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 7 SHEET NO. 2

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
	QtZ-carb wall rock alt'n that carries some PO						
	with minor PY						
131.0 - 131.3	QTZ- sericite dyke running at 25 degrees						
	to core. This represents a fault plane.						
131.3 - 164.0	Andesitic Tuff, dk greyish, fine grained, some						
	fine banding and amygdule-like carb. flecs						
100.2 - 100.9	1/2" QTZ vine at 45 degrees to core, minor PO	382			0.7'	.01	
	and PY in wall rock alt'n						
102.6 - 103.1	Grano'd, 1/2" QTZ vienlet at 60 degrees to core,	383			0.5'	.01	
minor	PY & PO						
104.7 - 105.3	Grano'd, 1/2" QTZ vien at 50 degrees to	384			0.6'	.06	
	core, 2% PO wall rock alt'n 1/2% PY						
107.0 - 108.2	Grano'd, strong QTZ-carb alt'n, bleached minor	385			1.2'	.30, .39, .41	.36
	QTZ, 10% large cubes and masses of PY, minor PO,						
	looks good						
114.6 - 115.2	Grano'd, 1/2" QTZ vien at 50 degrees to core	386			0.6'	.35, .34, .28	.32
	contains 70% massive PY						
118.0 - 118.5	Grano'd, a 3" QTZ vien at 45 degrees to core,	387			0.5'	.08	
	looks barren						

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 7 SHEET NO. 3

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au	
124.2 - 125.3	Grano'd, a 3" QTZ-carb vien at 60 degrees to	388			1.1	.02	
	core, with 2" of green wall rock QTZ-carb alt'n						
	which contains 2% PO, 1% PY						
127.3 - 128.7	Grano'd, a 1" QTZ-carb vien at 45 degrees to	389			1.4'	.01	
	core, strong wall rock, greenish QTZ-carb alt'n						
	3% coarse PO, 2% coarse PY						
132.5 - 133.5	Tuff, a 1" Q.-C vien with some wall rock alt'n,	390			1.0'	.41 .20 .21	.27
	2% coarse PY						
149.0 - 151.0	Andesitic Tuff, 2% coarse PY, vuggy in part	391			2.0'	.01	
164.0 - 217.5	Grano'd, med. to coarse grained, some narrow						
	mineralized sections						
217.5 - 233.2	Andesitic Tuff, greenish grey, some fine banding						
233.2 - 301.7	Grano'd, greyish, med. to coarse grained, a						
	blocky, rusty fault zone from 256.5 - 262.0						
164.7 - 166.8	Grano'd, two 1/2" QTZ vienlets, 1/2% PY	392			2.1'	.01	
175.3 - 176.0	Grano'd, some weak q.c alt'n, 1% PY	393			0.7'	.02	
179.4 - 180.2	Grano'd, med. q-c alt'n, 3% PO, 1% PY	394			0.8'	Tr	
187.0 - 189.5	Grano'd, 4" glassy QTZ vien, with some med. wall	395			2.5'	.01	
	rock alt'n that carries 2% PY						
195.0 - 196.0	Grano'd, a 1" QTZ vien at 45 degrees to core						

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 7 SHEET NO. 4

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
	some weak wall rock alt'n, 1/2% PY	396			1.0'	.01	
204.7 - 205.4	Grano'd, strong q-c alt'n, 3% PO, 1% PY	397			0.7'	Tr	
206.5 - 207.2	Grano'd, 1/2" QTZ vien, minor PY NOTE: V.G. IN CORE AT 204.9	398			0.7'	{1.15 1.67 1.79}	1.54
218.0 - 218.6	Andesitic Tuff, a 1/2" QTZ vienlet at 55 degrees	399			0.6'	.05	
	to core, carries minor ZNS and 1% PY						
223.0 - 223.9	Andesitic Tuff a 1" and 1/2" QTZ vinn at 45	400			0.9'	{.15 .20 .14}	.16
	degrees to core, 3% coarse PY, 1% PO						
228.0 - 229.3	Andesitic Tuff, a 2"QTZ vien at 40 degrees to	401			1.3'	.01	
	core, 3% coarse PY in vinn						
233.0 - 236.0	Grano'd, med q-c alt'n, 1% PY, 1% PO	402			3.0'	.02	
238.3 - 239.5	Grano'd, med q-c alt'n, 2% coarse PY	403			1.2'	.04	
242.0 - 242.8	Grano'd, 1/2" QTZ vien at 60 degrees to core	404			0.8'	.01	
	2% PO, 1% PY						
247.0 - 247.6	Grano'd, 2" glassy QTZ vien at 60 degrees	405			0.6'	Tr	
	to core, minor PY						
251.0 - 252.0	Grano'd, 1½" QTZ vienlet at 60 degrees to core,	406			1.0'	Tr	
	1/2% PY						
256.0 - 256.7	Grano'd, 1/2" QTZ vienlet, some hematitic alt'n	407			0.7'	.02	
263.0 - 264.5	Grano'd, two 1" QTZ vienlets at 60 degrees to	408			1.5'	.02	
	core, 1% PY, some rusty alt'n						
274.0 - 274.8	Grano'd, two 1/2" QTZ vienlets with some wall	409			0.8'	.03	

DRILLED BY _____ SIGNED _____

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 7 SHEET NO. 5

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au	
279.0 - 279.5	Grano'd, 1/2" QTZ vien, 1% PY	410			0.5'	.01	
280.2 - 280.7	Grano'd, a 1" QTZ vienletat 60 degrees to core,	411			0.5'	.02	
	1% PY					12.50	
281.8 - 282.8	Grano'd, two 1/4" QTZ vienlets, 1/2% PY	412			1.0'	11.96	12.25
290.1 - 290.8	Note: V.C. scierol spots along 1/8" stringers Grano'd, a 3" glassy QTZ vien at 60 degrees to	413			0.7'	12.30 .20	.203
	core, minor PY					.21 .20	
300.3 - 301.7	Grano'd, chilled contact edge, 1% dissem. PY	414			1.4'	.01	
301.7 - 302.3	Sericitic, waxy QTZ-por'y dyke, vuggy with some	415			0.6'	Tr.	
	PY, a fault zone						
314.5 - 315.2	Grano'd, 1/2" QTZ vienlet, minor PY	416			0.7'	.01	
Note:	302.3 - 315.2 Grano'd, fine to med grained,						
	dk greyish, looks barren						
	315.2 - 316.3 Andesitic tuff, dk greyish,						
	darkly banded						
	316.0 - 429.0 Grano'd dyke, fine to med.						
	grained, dk greyish						
318.0 - 319.0	Grano'd, dk greyish, looks barren	417			1.0'	Tr	
319.0 - 320.2	Grano'd, a 1" and 1/2" QTZ vienlet at 65 degrees	418			1.2'	Tr	
	to core, 2% coarse py						

SIGNED

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 7 SHEET NO. 6

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
320.2 - 323.5	Grano'd, dk greyish, fine grained, one 1/4" QTz vienlet, minor PY	419			3.3'	Tr	
323.5 - 325.0	Grano'd, a 1/2" QTZ vienlet with q-c wall rock alt'n, 1% PY	420			1.5'	Tr	
325.0 - 326.7	Grano'd, 20% QTZ, med q-c alt'n, 4% coarse PY	421			1.6'	Tr	
326.7 - 327.7	Grano'd, dk greyish, med grained, minor QTZ, minor PY	422			1.1'	.02	
327.7 - 329.4	Grano'd, med q-c alt'n, 20% QTZ, 3% PY, looks good	423			1.7'	Tr	
329.4 - 330.1	Gran'd, dk greyish, looks barren	424			0.7'	.02	
330.1 - 330.7	Grano'd, a 1/2" QTZ vien, strong q-c alt'n, 2% coarse PY	425			0.6'	.02	
330.7 - 331.4	Grano'd, dk greyish, fine grained, looks barren	426			0.7'	.01	
331.4 - 333.0	Grano'd, strong q-c alt'n, 10% QTZ, 3% PY, looks good	427			1.6'	.16	
333.0 - 334.2	Grano'd, dk greyish, 10% QTZ in stringers, 2% coarse PY	428			1.2'	.01	
334.2 - 335.5	Grano'd, strong q-c alt'n, 20% QTZ, 5% PY at 335.2 several specs of V.G and a few specs of dissem. ZNS	429			1.3'	0.31 0.27 0.28 0.37	.287
335.5 - 336.5	Grano'd, strong q-c alt'n with a 2" q-c vien at 336.0, crries one coarse spec of V.G, 2% coarsePY	430			1.0'	0.28 0.30	0.317

DRILLED BY _____ SIGNED _____

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 -7 SHEET NO. 7

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
336.5 - 337.5	Grano'd, med. q-c alt'n, 5% QTZ, 2% coarse PY	431			1.0'	Tr	
337.5 - 339.0	Grano'd, strong q-c alt'n, 7% coarse PY, looks	432			1.5'	.31	
	good						
339.0 - 340.0	Grano'd, strong q-c alt'n, 10% QTZ, 5% coarsePY,	433			1.0'	.13	
	looks good						
340.0 - 341.3	Grano'd, minor q-c alt'n, minor PY	434			1.3'	.01	
341.3 - 342.7	Grano'd, med. q-c alt'n, 10% QTZ, 4% coarse PY,	435			1.4'	.02	
	looks good						
342.7 - 344.0	Grano'd, strong q-c alt'n, 5% QTZ, 3% Coarse PY	436			1.3'	.02	
344.0 - 346.0	Grano'd, med q-c alt'n, 5% QTZ, 2% coarse PY	437			2.0'	.01	
346.0 - 348.0	Grano'd, a wk q-c alt'n, 10% QTZ, 3% coarse PY	438			2.0'	.01	
348.0 - 349.1	Grano'd, strong q-c alt'n, 10% QTZ, 5% coarse	439			1.1'	.02	
	PY, looks good						
349.1 - 350.5	Grano'd, wk q-c alt'n, 1% coarse PY	440			1.4'	Tr.	
350.5 - 352.5	Grano'd, dk greyish, coarse grained, 2% PY, wk	441			2.0'	.02	
	q-c alt'n						
352.5 - 353.5	Grano'd, 40% QTZ in vienlets at 60 degrees to	442			1.0'	Tr.	
	core, 2% coarse PY,,looks good						
353.5 - 354.9	Grano'd, dk greyish, minor QTZ, minor PY	443			1.4'	Tr.	
354.9 - 356.7	Grano'd, dk greyish, fine grained, 5% QTZ, 1%PY	444			1.8'	Tr.	
356.7 - 361.7	Grano'd, dk greyish, fine grained, looks barren	445			5.0'	Tr	

DRILLED BY K. [illegible] C.

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 7 SHEET NO. 8

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
361.2 - 363.0	Grano'd, strong q-c alt'n, 5% coarse PY	446			1.3'	Tr	
363.0 - 368.5	Grano'd, dk greyish, fine grained, looks barren	447			5.5'	Tr.	
368.5 - 371.0	Grano'd, med q-c alt'n, 10% QTZ, 3% PY	448			2.5'	Tr.	
371.0 - 372.0	Grano'd, strong q-c alt'n, a 2" q-c vien at 55	449			1.0'	.01	
	degrees to core, 3% coarse PY						
372.0 - 373.0	Grano'd, a 2" q-c vien at 55 degrees to core,	450			1.0'	.06	
	3% coarse PY						
373.0 - 374.3	Grano'd, a 1/2" QTZ vienlet, minor PY	451			1.3'	Tr,	
374.3 - 376.0	Grano'd, dk greyish, looks barren	452			1.7'	Tr	
376.0 - 377.7	Grano'd, strong q-c alt'n, 4% coarse PY	453			1.7'	Tr	
377.7 - 379.0	Grano'd, dk greyish, minor QTZ, minor PY	454			1.3'	Tr	
379.0 - 380.5	Grano'd, strong q-c alt'n, 7% coarse PY cubes	455			1.5'	.02	
	up to 1" diam., looks good						
380.5 - 381.5	Grano'd, strong q-c alt'n, 5% coarse PY cubes	456			1.0'	Tr	
381.5 - 385.5	Grano'd, dk greyish, med. grained, looks barren	457			4.0'	Tr	
385.5 - 386.5	Grano'd, med q-c alt'n, a 1/2" QTZ vien at 386.0	458			1.0'	.04 .04 Tr	.026
	carries what may be one fine spec of V.G., 5%						
	coarse PY						
386.5 - 390.5	Grano'd, med grained, looks barren	459			4.0'	Tr	
390.5 - 391.9	Grano'd, strong q-c alt'n, 5% QTZ, 3% PO(coarse)	460			1.4'	.03 tr Tr	.01
	2% coarse PY, a fine spec of V.G at 391.4						

DRILLED BY _____ SIGNED _____

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 7 SHEET NO. 9

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
391.9 - 393.6	Grano'd, dk greyish witha glassy 1" QTZ vienlet	461			1.7'	Tr	
	at 55 degrees to core, minor PY						
403.5 - 404.2	Grano'd, a 1/2" QTZ vienlet at 40 degrees to	462			0.7'	.07	
405.2 - 406.0	core carries 5% PO and 1% PY						
405.2 - 406.0	Grano'd, strong q-c alt'n, 5% QTZ, 3% coarse PY,	463			0.8'	Tr	
	1% PY						
428.0 - 429.0	Grano'd, 5% QTZ, minor PY	464			1.0'	Tr	
429.0 - 486.0	Waxy seracitic QTZ-por'y, contains 5% QTZ phenos,						
	1mm diam. and 5% feldspar pheno's						
484.0 - 486.0	QTZ-por'y, 30% QTZ sil'n, 1% PY	465			2.0'	Tr	
486.0 -	END OF HOLE						

DRILLED BY _____ SIGNED E. J. Kurylliw

HOLE No. 80 - 7

Footage	Dip	Bearing	Azim	Footage	Horiz	Vert.
Collar	60°	N-82°20' E	N - 80' - E	0 - 100'	50.0	86.6
200'	58	N-69 E	73	100 - 300'	106.0	169.6
400'	56	N-84 E	88	300 - 486'	104.1	154.2

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

A.X.T CORE SIZE

HOLE NO. 80 - 8 SHEET NO. 1

LATITUDE 13277.41 DATUM Stored in office Windfall STARTED July 15,1980

DEPARTURE 11454.43 BEARING N-79° 32' 10" E COMPLETED July 20,1980
- -64° 26' 33"

ELEVATION 9922.91 DIP Angle Road - 60° ULTIMATE DEPTH 418.0'

DEPTH FEET	FORMATION			SAMPLE NO.	FROM	TO	WIDTH	OZS Au
Tro Pari:	FOOTAGE	DIP	CORRECTED BEARING					
	Collar	-60°	N-79½°-E					
	300'	-57°	N-71°-E					
	FOOTAGE	HORIZON	VERTICAL					
	0'-150'	75	129.9					
	150' - 418'	146.0	224.8					

REGISTERED PROFESSIONAL ENGINEER C. J. KURYLIW PROVINCE OF ONTARIO

DRILLED BY Kenebec Drilling

SIGNED

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 8 SHEET NO. 1

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
0 - 20.0	Casing in overburden						
18.0 - 22.3	Grano'd, greyish, a 1" and a 1/2" QTZ vienlets that carries some PY and PO	578			4.3'	Tr.	
22.3 - 23.0	Grano'd, greyish, med. grained, a 1" QTZ vienlet at 60 degrees to core, 2% coarse PY	579			0.7'	.02	
23.0 - 27.4	Grano'd, greyish, minor QTZ, minor PY	580			4.4'	Tr.	
27.4 - 28.8	Gran'd, two 1" QTZ vienlets with some wall rock alt'n that carries coarse crystals of PY	581			1.4'	Tr.	
32.0 - 32.6	Grano'd, a 1" QTZ vienlet, minor PY	582			0.6'	Tr.	
35.4 - 36.0	Gran'd, a 1" QTZ vien, strong q-c alt'n, 3% PY	583			0.6'	Tr.	
39.3 - 40.5	Gran'd,three 1" QTZ viens, strong green q-c wall rock alt'n, 3% PY, looks good	584			1.2'	.02	
41.8 - 42.6	Grano'd, two 1" QTZ viens with strong green wall rock alt'n that carries 3% PY	585			0.8'	.08	
45.8 - 46.6	Grano'd, a 2" QTZ vien at 50 degrees to core, minor PY	586			0.8'	.02	
46.6 - 48.7	Grano'd, looks barren	587			2.1'	Tr.	
48.7 - 51.0	Grano'd, strong q-c wall rock alt'n with several 1/2" to 1" QTZ viens, 7% coarse PY, 2% PO, greenish, looks good!	588			2.3'	.02	

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 8 SHEET NO. 2

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
51.0 - 52.7	Grano'd, a 5" glassy QTZ vien, 1% PY	589			1.7'	.01	
52.7 - 54.4	Grano'd, greyish, looks barren	590			1.7'	Tr	
54.4 - 55.8	Grano'd, strong green q-c alt'n, 3% coarse PY	591			1.4'	.07	
55.3 - 57.5	Grano'd, dk greyish, minor PY	592			1.7'	Tr	
57.5 - 58.3	Grano'd, 1/2" q-c vienlet, strong q-c alt'n,	593			0.8'	.02	
	1% PY and 1% PO						
61.0 - 61.8	Grano'd, 40% QTZ in vienlets, strong q-c wall rock	594			0.8'	.03	
	alt'n, 7% massive PY, looks good						
66.0 - 67.2	Grano'd, two 1/2" QTZ vienlets, 1% coarse PY	595			1.2'	.02	
69.0 - 70.7	Grano'd, a 1½" and a 1/2" QTZ vienlet at 50 de-	596			1.7'	.05	
	grees to core, med q-c wall rock, 3% PY, looks						
	good.						
75.5 - 76.0	Grano'd, a 1" QTZ vien, 1% coarse PY	597			0.5'	.04	
81.5 - 82.3	Grano'd, two 1" QTZ viens, 1% PY	598			0.8'	.03	
85.0 - 86.0	Grano'd, a 2" and 3" glassy QTZ vien, 1% PY,	599			1.0'	.03	
	1% PO						
90.0 - 90.5	Grano'd, a 5" glassy QTZ vien, minor PY	600			0.5'	.03	
96.5 - 98.0	Grano'd, two 1" QTZ viens, 1/2% PY, 1/2% PO	601			1.5'	.02	
101.6 - 102.6	Grano'd, two 1/4" QTZ vienlets, 2% PO	602			1.0'	.01	
104.8 - 106.0	Grano'd, a 1" QTZ vien, med q-c alt'n, 1% PY	603			1.2'	Tr	
116.0 - 118.2	Grano'd, a 1" and a 1/2" QTZ vienlet, 1% PY	604			2.2'	.01	

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 8 SHEET NO. 3

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
121.2 - 121.8	Grano'd, a 1" QTZ vien at 45 degrees to core, 1% PY	605			0.6'	Tr	
123.8 - 124.4	Grano'd, a 1" and 1/2" QTZ vien, 1/2% PY	606			0.6'	Tr	
131.2 - 133.3	Grano'd, Two 1/2" q-c viens, weak q-c alt'n, 2% PY	607			2.1'	.07	
143.0 - 144.7	Grano'd, strong q-c alt'n, 4% coarse PY, a 2" glassy QTZ vien at 143.6 and a 1" grey QTZ vien at 144.5 which carries a spec of V.G	608			1.7'	.08 .08 .09	.083
148.0 - 156.0	Lost core						
158.1 - 158.6	Grano'd, strong q-c alt'n, 3% massive PY	609			0.5'	Tr	
163.0 - 165.0	Grano'd, greyish (dark), looks barren	610			2.0'	Tr	
165.0 - 165.6	Grano'd, a 1" QTZ vien at 55 degrees to core, it carries at least 50 fine specs of V.G along each wall contact of the QTZ vienlet. A 1/4" wide band of heavy PY mineralization occurs along the wall rock at the vien contact	611			0.6'	8.03 8.13 8.21	8.123
165.6 - 167.0	Grano'd, dk greyish, fine grained, looks barren	612			1.4'	Tr	
172.5 - 173.0	Grano'd, a 2" QTZ vien with 2% PY in wall rock	613			0.5'	0.7	
175.0 - 177.0	Grano'd, dk greyish, fine grianed, minor QTZ,	614			2.0	Tr	

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 8 SHEET NO. 4

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
	2% dissem. PY						
181.5 - 182.9	Grano'd, strong greenish q-c alt'n, 3% coarse PY	615			1.4'	.03	
	2% PO, minor QTZ						
183.6 - 185.1	Grano'd, two 1/2" QTZ vienlets, 1% PY	616			1.5	Tr	
Geology:							
18.0 - 190.0	Grano'd, dk greyish, fine grained to med. grained with some QTZ vienlets running at 50 degrees to 60 degrees to core axis, some of these vienlets carry V.G with abundant fine V.G along both walls of a 1" QTZ filled fracture at 165.3'						
190.0 - 214.0	Andesitic Tuff, the grano'd contact runs at 15 degrees to core axis, the tuff is finely banded and fractured, with considerable hematitic alt'n. This section represents a highly fractured fault zone. Lost core from 206.0 - 210.0 very blocky ground.						
214.0 - 363.0	Grano'd, greenish grey, fine grained, highly blocky to 220.0, with lost core from 215 - 218.0, From 214.0 - 257.0 the QTZ fractures carry hematite in wall rock adjoining QTZ vienlets.						

EdK

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 8 SHEET NO. 5

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
213.3 - 214.0	Grano'd, 2" QTZ vienlet with 1% coarse PY	617			0.7'	.07	
231.0 - 231.7	Grano'd, 1" QTZ vienlet at 60 degrees to core minor PY	618			0.7'	.08	
231.7 - 234.2	Grano'd, dk greyish, looks barren	619			2.5'	.01	
234.2 - 234.7	Grano'd, a 1/2" QTZ vien, rusty wall rock, minor PY	620			0.5	Tr	
234.7 - 236.0	Grano'd, dk greyish, looks barren	621			1.3'	Tr	
236.0 - 236.6	Grano'd, a 1/2" QTZ vienlet at 60 degrees to core with 1" each side of strong hematitic wall rock alt'n, 5% coarse PY, several specs of fine V.G. at contact of vienlet at 236.3	622			0.6'	.71 .74 .73	.726
236.6 - 240.0	Grano'd, dk greyish, looks barren	623			0.4'	Tr	
240.0 - 243.2	Grano'd, three 1/4" QTZ vienlets with 1/2" hematitic wall rock alt'n carrying 2% PY	624			3.2'	Tr	
247.6 - 248.2	Grano'd, a 1½" QTZ vienlet with 1% PY	625			0.6'	Tr	
248.2 - 250.5	Grano'd, dk greyish, looks barren	626			2.3'	Tr	
250.5 - 251.1	Grano'd, a 1/3" q-c vienlet with one fine spec of V.G. at 250.8	627			0.6	.04 .04 .03	.036
251.1 - 255.5	Grano'd, dk greyish, looks barren	628			4.4	Tr	
255.5 - 256.1	Grano'd, a 1/2" QTZ vienlet with hematitic wall rock alt'n, 1/2% PY	629			0.6	Tr	

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 8 SHEET NO. 6

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
267.4 - 268.7	Gran..'d, three 1/4" QTZ vienlets, 1% PY	630			1.3'	Tr	
270.4 - 271.8	Grano'd, dk grayish, two 1" QTZ vienlets, 3% PY	631			1.4'	Tr	
278.9 - 279.7	Grano'd, a 1/2" and a 1/4" QTZ vienlet, 1/2% PY	632			0.8'	Tr	
286.0 - 288.2	Grano'd, Two of 2" QTZ vienlets, 1% PY	633			2.2'	.01	
288.2 - 290.2	Grano'd, four 1/4" QTZ vienlets, 1/2% PY	634			2.0'	Tr	
295.0 - 295.7	Grano'd, a 1" QTZ vienlet at 50 degrees to core,	635			0.7'	.01	
	2% PY in wall rock						
306.0 - 306.6	Grano'd, a 2" QTZ vienlet, 1/2% PY in wall rock	636			0.6'	.02	
306.6 - 310.0	Grano'd, dk greyish, minor QTZ, minor PY	637			3.4'	Tr	
310.0 - 310.7	Grano'd, a 4" QTZ vien, 1/2% PY in wall rock	638			0.7'	.03	
315.5 - 316.0	Lost core						
321.5 - 322.0	Grano'd, strong q-c alt'n, 3% coarse PY, looks	648			0.5'	.12	
	good						
322.0 - 325.4	Grano'd, minor q-c alt'n, 1% PY	649			3.4'	.01	
327.0 - 328.5	Grano'd, med. q-c alt'n, 2% PO	650			1.5'	.01	
333.3 - 333.9	Grano'd, a 1" QTZ vien at 50 degrees to core	651			0.6'	0.72	
	with a 1/4" streak of massive sulphide consisting					0.89	0.82
	of PY and PO and several fine specs of V.G at					0.85	
	333.6						

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 -8 SHEET NO. 7

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
341.5 - 342.3	Grano'd, a 6" glassy QTZ vien at 40 degrees to core, minor PY	652			0.8'	.01	
344.0 - 344.6	Grano'd, a 2" QTZ vien at 45 degrees to core, minor PY	653			0.6'	.01	
348.8 - 351.5	Grano'd, minor QTZ, minor PY	654			2.7'	Tr	
351.5 - 353.2	Grano'd, strong q-c alt'n with narrow carb. vien-lets, 5% coarse PY	655			1.7'	.01	
353.2 - 354.4	Grano'd, strong q-c alt'n, 3% PY	656			1.2'	.04	
357.4 - 359.4	Grano'd, minor QTZ, 1% PY	657			2.0'	Tr	
363.0 - 403.3 geology:	QTZ-por'y dyke, highly sericitic, waxy appearance with numerous QTZ and some feldspar pheno-crysts						
403.3 - 418.0	QTZ- diorite, a dk greenish gabbroic rock, high in amphibole, and fine magnetite but carries a-bout 10% deep blue QTZ-pheno-crysts up to 2mm in diam.						
411.5 - 413.0	QTZ-diorite, 5% QTZ in fractures, 1/2% PY	658			1.5'	Tr	
418.0	END OF HOLE						

DRILLED BY Kenora Diamond Drilling

HOLE 80 - 8

Footage	Dip	Bearing	Azim.	Footage	Horiz.	Vert.
Collar	- 60°	N-79½ E		0-150'	75	129.9
300'	- 57°	N-71° E	N-75°E	150-418'	146.0	224.8

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 9 SHEET NO. 1

AXT. CORE

LATITUDE 13232.38 DATUM Stored in office Windfall STARTED July 21, 1980

DEPARTURE 11466.42 BEARING N 79°30' 10" E COMPLETED July 29, 1980

ELEVATION ____ DIP - 59°00' 32" ULTIMATE DEPTH 474.0'

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
0 - 19.0	Casing in overburden						
19.0 - 175.0	Granodioritem dark greyish, fine to medium grained, occasional QTZ filled fractures running at 55 degrees to core, with a flatter set of fractures running at 40 degrees to core						
20.5 - 23.2	Grano'd, several 1/4" QTZ vienlets, 1% fine PY	659			2.7'	.02	
25.7 - 26.4	Grano'd, a 2" QTZ vienlet at 55 degrees to core with some alt'n at 40 degrees to core, 1% fine PY	660			0.7'	Tr	
31.0 - 31.7	Grano'd, a 1½" QTZ vienlet at 55 degrees to core, minor PY	661			0.7'	Tr	
35.0 - 36.2	Grano'd, three 1/4" QTZ stringers, 1% fine PY	662			1.2'	Tr	
38.7 - 40.2	Grano'd, a 4" q-c vienlet, 1% PY	663			1.5'	Tr	
43.0 - 43.5	Grano'd, a 1/4" QTZ vienlet, 1% PY	664			0.5	.08	
47.5 - 48.2	Grano'd, two 1/4" QTZ stringers, 1/2% PY	665			0.7'	Tr	
80.3 - 80.9	Grano'd, a 1" QTZ vien at 45 degrees to core, with a 3mm spot which carries about 15 specs of v.g with traces of altaite and 1% PY	669			0.6'	0.24 0.20 0.22	0.22
93.0 - 93.5	Grano'd, a 1/2" QTZ vien at 45 degrees to core, minor PY	670			0.5'	0.11	
98.4 - 99.0	Grano'd, a 2" QTZ vien at 45 degrees to core,	671			0.6'	0.03	

REGISTERED PROFESSIONAL ENGINEER I. KURYLUK PROVINCE OF ONTARIO

DRILLED BY [illegible]

SIGNED [illegible]

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 9 SHEET NO. 2

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
	2% PY, minor QTZ-carb wall rock alt'n						
112.6 - 115.0	Grano'd, 5% QTZ in irregular patches, 1/2% PY	672			2.4'	0.18	
115.0 - 117.0	Grano'd, greyish fine grained, looks barren	673			2.0'	Tr	
117.0 - 117.6	Grano'd, a 1/8" QTZ vienlet at 45 degrees to	674			0.6'	0.14 0.14	
	core, carries heavy PY and a spot with several					0.13	0.14
	specs of V.G at 117.4						
117.7 - 119.3	Grano'd, dark greyish, a 1/4" QTZ-carb vienlet,	675			1.6'	Tr	
	1/2% PY						
119.3 - 120.3	Grano'd, a 6" QTZ vien at 50 degrees to core,	676			1.0	0.03 0.04	0.04
	carries a spot at each contact with several specs					0.04	
	of V.G. each, at 119.5 and at 120.0.						
120.3 - 124.3	Grano'd, dk greyish, fine grained, looks barren	677			4.0'	Tr	
124.3 - 125.0	Grano'd, a 1" q-c vienlet with wall rock alt'n	678			0.7'	0.11	
	carries several specs of V.G. in a spot at the					0.14 0.13	0.13
	border of the vienlet at 124.7						
125.0 - 128.0	Grano'd, looks barren	679			3.0'	Tr	
128.0 - 128.5	Grano'd, a 1/2" QTZ vienlet at 55 degrees to	680			0.5'	0.60	
	core, carries a spot with several specs of V.G.					0.64 0.57	0.60
	at 128.2						
128.5 - 134.6	Grano'd, dk greyish, fine grained, minor QTZ,	681			6.1	Tr	
	minor PY						

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 9 SHEET NO. 3

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
134.6 - 136.2	Grano'd, a 2" and 1" QTZ vienlet with some	682			1.6'	.03	
	oxidation of wall rock						
143.6 - 144.7	Grano'd, a 2" and a 1" QTZ vienlet at 50 degrees	683			1.1'	Tr	
	to core, 2% PY						
156.5 - 157.5	Grano'd, a 5" QTZ vienlet with 2% massive PY,	684			1.0'	.02	
	and traces of ZNS, looks good						
162.8 - 163.3	Grano'd, two 1/4" QTZ vienlets, 3% PY	685			0.5'	.03	
165.0 - 166.0	Grano'd, strong q-c alt'n, 2% PY	686			1.0'	Tr	
170.0 - 171.0	Grano'd, a 2" and a 1" QTZ vien, 2% PY, 1% PY	687			1.0'	.04	
171.0 - 175.0	Grano'd, a 1/4" QTZ vienlet, minor PY	688			4.0'	Tr	
175.0 - 175.6	Grano'd, 3/4" QTZ vienlet with hematitic wall	689			0.6'	1.50	
	rock alt'n and several specs of V.G. in one spot					1.38	1.50
	at 175.3					1.63	
175.6 - 178.5	Grano'd, minor hematitic alt'n, minor PY	690			2.9'	Tr	
178.5 - 181.7	Grano'd, greyish, med. grained, looks barren	691			3.2	Tr	
181.7 - 182.7	Grano'd, a 7" QTZ vienlet at 55 degrees to core,	692			1.0'	Tr	
	some hematitic wall rock alt'n						
175.0 - 265.0	Grano'd, fine grained to med. grained. This is						
	a blocky, late fault zone with hematitic wall						
	rock altn of QTZ filled fractures, the badly						

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 9 SHEET NO. 4

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
	oxidized blocky zone extends from 184.0 - 214.0						
	with some lost core from 187.0 - 192.0, lost						
	core from 219.0 - 221.0.						
265.0 - 389.3	Grano'd, med. to coarse grained, greyish, hem-						
	atitic alt'n is absent.						
196.0 - 196.6	Grano'd, a 1/2" QTZ vienlet, 1% PY	693			0.6'	Tr	
203.0 - 204.2	Grano'd, a 6" QTZ vien with 2% coarse PY in wall	694			1.2'	.03	
	rock alt'n.						
208.8 - 209.5	Grano'd, a 1" QTZ vien with green q-c wall rock	695			0.7'	Tr	
	alt'n, 2% PY						
211.3 - 213.1	Grano'd, two 1/4" QTZ stringers with some wall						
	rock alt'n, hematite and PY	696			1.8'	Tr	
217.5 - 218.7	Grano'd, a 3" QTZ vien at 60 degrees to core	697			1.2'	.01	
	2% coarse PY in wall rock						
222.7 - 223.2	Grano'd, a 1" QTZ vien with 2% hematitic PY in	698			0.5'	.02	
	wall rock						
223.1 - 225.6	Grano'd, minor QTZ, 1% PY	699			2.4'	Tr	
225.6 - 226.2	Grano'd,a 1/2" QTZ vienlet at 60 degrees to	700			0.6	0.04	
	core, it carries 2% coarse PY and a spec of V.G					0.02	0.04
	at 226.0					0.05	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 9 SHEET NO. 5

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
228.6 - 230.0	Grano'd, two 1/2" QTZ vienlets, 1/2% PY	701			1.4'	Tr	
231.0 - 231.7	Grano'd, a 1" QTZ vienlet, 2% PY	702			0.7'	Tr	
231.7 - 233.7	Grano'd, two 1/4" QTZ stringers, 2% PY	703			2.0'	Tr	
236.5 - 237.0	Grano'd, a 3/4" QTZ vienlet, 7% coarse PY	704			0.5'	.05	
237.0 - 239.5	Grano'd, several 1/4" and 1" QTZ vienlets, 1% PY	705			2.5'	Tr	
241.0 - 245.0	Grano'd, med q-c alt'n several 1/4" q-c stringers, 2% coarse PY	706			4.0'	.01	
247.0 - 250.0	Grano'd, strong q-c alt'n, 5% PY	707			3.0'	.02	
250.0 - 251.3	Grano'd, a 6" QTZ vienlet with 2% coarse PY in wall rock	708			1.3'	Tr	
254.0 - 258.4	Grano'd, three 1/4" QTZ vienlets, 1% PY	709			4.4'	Tr	
258.4 - 259.0	Grano'd, a 1/2" QTZ vienlet with strong wall rock alt'n, 3% PY	710			0.6'	Tr	
259.7 - 260.3	Grano'd, a 1" QTZ vienlet, 2% coarse PY in wall rock	711			0.6'	Tr	
260.6 - 261.5	Grano'd, four 1/2" QTZ vienlets with some coarse PY	712			0.9'	.01	
264.5 - 265.0	Grano'd, 1" QTZ vienlet with 2% PY in wall rock alt'n	713			0.5'	.01	
267.0 - 268.5	Grano'd, two 1/2" QTZ vienlets at 65 degrees to core, 3% coarse PY in wall rock alt'n	714			1.5'	.07	

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 9 SHEET NO. 6

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
272.2 - 273.2	Grano'd, one 2" and a three 1/2" QTZ vienlets	715			1.0'	.03	
	2% coarse PY in wall rock						
273.2 - 277.2	Grano'd, three 1/4" QTZ vienlets, 1/2% PY	716			4.0'	.07	
278.8 - 280.7	Grano'd, a 1" QTZ vien, minor PY	717			1.9'	.02	
284.0 - 284.6	Grano'd, a 2" QTZ vien at 50 degrees to core,	724			0.6	.01	
	2% coarse PY						
287.7 - 288.4	Grano'd, a 2" and two 1/4" QTZ vienlets at 55	725			0.7'	Tr	
	degrees to core, 1% coarse PY						
290.2 - 291.3	Grano'd, two 1/2" QTZ vienlets, 1% PY	726			1.1'	Tr	
293.7 - 294.3	Grano'd, a 1" QTZ vienlet, 1% coarse PY	727			0.6'	0.12	
295.5 - 296.4	Grano'd, a 1" and two 1/4" QTZ vienlets, 2% c	728			0.9'	0.05	
	coarse PY, looks good						
302.0 - 302.8	Grano'd, three 1/4" qtz vienlets, 1% coarse PY	729			0.8'	0.02	
302.8 - 303.3	Grano'd, a 1" and a 1/2" QTZ vien, 2% PY,	730			0.5'	1.59	
	and a spec of V.G. at 303.0						
303.3 - 303.9	Grano'd, a 1" QTZ vienlet, 2% coarse PY	731			0.6'	0.36	
303.9 - 305.6	Grano'd, a 1" QTZ vien and a 1/4" massive PY	732			1.7	0.07	
	vien						
317.6 - 318.9	Grano'd, two 3" QTZ viens at 55 degrees to core	733			1.3'	0.01	
	at 318.0', 2% PY						
321.3 - 322.8	Grano'd, two 1/4" QTZ vienlets, minor PY	734			1.5'	Tr	

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 9. SHEET NO. 7

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
326.4 - 328.0	Grano'd, a three inch and a 1" QTZ vien, 2%	735			1.6'	Tr	
	coarse PY						
328.0 - 331.0	Grano'd, dk greyish, looks barren	736			3.0'	Tr	
331.0 - 331.9	Grano'd, a 2" QTZ vien, 2% PY, a trace of ZNS,						
	and 4 specs of fine V.G. at 331.5	737			0.9'	Tr	
331.9 - 334.2	Grano'd, looks barren	738			2.3'	Tr	
334.2 - 336.7	Grano'd, several 1/4" QTZ stringers, 3% PY	739			2.5'	Tr	
338.8 - 340.7	Grano'd, a 10" glassy QTZ vien, some coarse	740			1.9'	Tr	
	PY in wall rock						
341.5 - 343.7	Grano'd, three 1/4" QTZ stringers, one with	741			2.2'	Tr	
	massive PY						
346.5 - 347.7	Grano'd, a 5" glassy QTZ vien with 2% PY in	742			1.2'	Tr	
	wall rock						
347.7 - 350.1	Grano'd, minor QTZ, 1% PY	743			2.4'	.03	
350.1 - 352.7	Grano'd, minor q-c alt'n, 1% PY	744			2.6'	.03	
352.7 - 354.7	Grano'd, four 1/2" QTZ vienlets, with some coarse	745			2.0'	.05	
	PY						
354.7 - 356.6	Grano'd, dk greyish, minor QTZ-carb. alt'n,	746			1.9'	.13	
	minor PY						
357.0 - 358.2	Grano'd, a 3" glassy QTZ vien at 50 degrees to core,						
	3% coarse PY in wall rock	747			1.2'	Tr.	

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 9 SHEET NO. 8

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au	
358.2 - 361.2	Grano'd, two 1/4" QTZ stringers, 1/2% PY	748			3.0'	Tr.	
361.2 - 361.8	Gran'd, a 1" QTZ vien at 40 degrees to core,	749			0.6'	.02	
	one fine spec of V.G. at 361.5						
361.8 - 364.0	Grano'd, three 1/2" QTZ vienlets, 1% PY	750			2.2'	.02	
364.0 - 365.6	Grano'd, a 1" carb. vienlet with 1" diam mas-	751			1.6'	.04	
	sive PY blebs along the vienlet						
365.6 - 368.8	Grano'd, two 1/4" QTZ vienlets, 1/2% PY	752			3.2'	Tr.	
368.8 - 372.0	Grano'd, minor QTZ, minor PY	753			3.2'	Tr.	
372.0 - 373.6	Grano'd, three 1/4" vienlets, 1/2% PY	754			1.6'	.03	
373.6 - 376.0	Grano'd, three 1/4" QTZ vienlets, 1/2% PY	755			2.4'	Tr	
391.6 - 392.2	Sericitic QTZ - por'y with some silicification						
	and 1/4" massive PY vienlet						
389.3 - 415.0	Sericitic, waxy QTZ-por'y dyke, 5% QTZ pheno-						
	crysts, 1mm in diameter.						
414.0 - 415.5	silicified contact zone between porphyry and	757			1.5'	Tr.	
	granodiorite, 1/2% PY						
418.0 - 418.7	Grano'd, a 1/2" QTZ vienlet at 60 degrees to	758			0.7'	Tr.	
	core, 1/2% PY						
420.6 - 422.2	Grano'd, strong q-c alt'n, 2% coarse PY	759			1.6'	.01	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 9 SHEET NO. 9

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au	
415.0 -	Grano'd, dk greyish, fine grained, massive,						
	fracturing is poorly developed to rare						
431.5 - 432.8	Grano'd, two 1/8" QTZ filled fractures, minor PY	774			1.3'	Tr.	
434.0 - 437.0	Grano'd, three 1/8" QTZ filled fractures, minor PY	775			3.0'	Tr.	
468.0 - 468.6	Grano'd, with a 1/2" silicified fault breccia,	779			0.6'	Tr.	
	5% coarse PY cubes in slightly q- carbonatized						
	grano'd.						
469.0 - 470.1	Gran'd, two 1/4" QTZ vienlets, minor PY	780			1.1'	Tr.	
474.0'	END OF HOLE						

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HOLE 80 - 9

Footage	Dip	Bearing	Azim	Footage	Horiz.	Vert.
Collar	- 60°	N 79½ E		0 - 150'	75'	129.9
300'	-56°	N - 79°E	N - 83°E	150' - 674.0	181.1	268.6

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 25 SHEET NO. 2

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au	
188.3-189.3	Grano'd. A 6" glassy Qtz. vein with 2% Py. along	2313			1.0	.01	
	edges.						
191.2-192.2	Grano'd. A ½" and a ¼" Qtz. veinlet, at 60° to	2314			1.0	.69	
	core. A coarse speck of V.G. at 192.0 on the						
	edge of the ¼" vein.						
195.0-195.6	Grano'd. A 1½" Qtz. vein, 2% Py. 2% PO.	2315			.6	.06	
203.0-203.6	Grano'd. weak Q.C. alt'n. 3% Py.	2316			.6	.05	
208.0-208.6	Grano'd. weak Q.C. alt'n. 3% Py.	2317			.6	.07	
214.0-214.5	Grano'd. A 1" Qtz. vein at 60° to core. 1% Py.	2318			.5	.03	
217.7-218.7	Grano'd. A 1" Qtz. vein, 2% Py.	2319			1.0	.01	
228.0-228.5	Grano'd. A ½" Qtz. vein, 2% Py.	2320			.5	Tr.	
235.5-236.1	Grano'd. A ½" Qtz. Carb. vein, 2% Py.	2321			.6	Tr.	
245.0-246.0	Grano'd. Two ½" Qtz. veinlets, minor Py.	2322			1.0	Tr.	
247.2-248.2	Grano'd. Two ½" Qtz. veinlets, minor Py.	2323			1.0	Tr.	
249.6-250.3	Grano'd. A 3" Qtz. vein, 3% coarse Py.	2324			.7	.02	
253.5-255.0	Grano'd. Med. Q.C. alt'n. 3% Py.	2325			1.5	.01	
257.2-257.7	Grano'd. A 3/4" Qtz. veinlet, minor Py.	2326			.5	Tr.	
260.5-261.3	Grano'd. A ½" Qtz. veinlet with 50% massive Py.	2327			.8	.03	
	Med. Q.C. alt'n. in wall rock which carries 2%						
	Py. and 2% PO.						

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SIGNED _____

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 25 SHEET NO. 3

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
262.8-263.4	Grano'd. Med. Q.C. alt'n. A 1" Carb. veinlet,	2328			.6	Tr.	
	2% Py. 2% PO.						
266.7-268.6	Grano'd. A 2" and two ½" Qtz. veinlets, 2% Py,	2329			1.9	.02	
	2% PO.						
269.0-269.7	Grano'd. A ½" Qtz. vein at 60° to core, 5% massive	2330			.7	.18	
	Py., streaks in wall rock, 1 coarse speck of V.G.						
	at 269.3.						
276.3-277.3	Grano'd. A ½" Qtz. vein, strong Q.C. wall rock	2331			1.0	.18	
	alt'n. 7% coarse Py.						
280.4-281.5	Grano'd. Two ½" Qtz. veinlets, minor Py.	2332			1.1	Tr.	
282.2-282.9	Grano'd. A 3" glassy Qtz. vein, 2% Py. in wall	2333			.7	.04	
	rock.						
285.7-286.2	Grano'd. A 1" glsssy Qtz. vein, minor Py.	2334			.5	Tr.	
295.9-296.4	Grano'd. A 3" glassy Qtz. vein, minor Py.	2335			.5	Tr.	
308.0-308.8	Grano'd. Two ½" Qtz. veinlets, minor Py.	2336			.8	Tr.	
316.2-316.7	Grano'd. Two ½" Qtz. veinlets, minor Py.	2337			.5	.03	
323.8-324.5	Grano'd. Med. Q.C. alt'n. 5% coarse Py.	2338			.7	.02	
335.6-336.1	Grano'd. weak Q.C. alt'n. A 1/8" Carb. vein,	2339			.5	Tr.	
	2% Py.						
337.5-338.3	Grano'd. Med. Q.C. alt'n. Two ½" Carb. veinlets,	2340			.8	.02	
	3% Py.						

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 25 SHEET NO. 4

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
340.0-340.7	Grano'd. weak Q.C. alt'n. Three 1/8" Carb.	2341			.7	Tr.	
	veinlets, 1% Py.						
342.7-343.9	Grano'd. Three ½" Qtz. veinlets, 1% Py.	2342			1.2	Tr.	
347.6-348.2	Grano'd. Two 1" Qtz. veinlets, 3% coarse Py.	2343			.6	Tr.	
349.5-351.3	Grano'd. Med. Q.C. alt'n. Rusty, 2% Py.	2344			1.8	Tr.	
351.3-352.7	Grano'd. 60% fractured greenish Qtz. with vuggy,	2345			1.4	.01	
	hematitic alt'n.						
358.2-358.7	Grano'd. A 3/4" Qtz. veinlet, minor Py.	2611			.5	.01	
362.5-363.0	Grano'd. A ½" Qtz. veinlet with 1% Py.	2612			.5	Tr.	
367.5-369.5	Grano'd. A 2" and four ½" Qtz. veinlets, 1% Py.	2613			2.0	Tr.	
372.7-373.2	Grano'd. A 1" glassy Qtz. vein, minor Py.	2614			.5	Tr.	
381.5-382.0	Grano'd. A 2" glassy Qtz. vein, minor Py.	2615			.5	.03	
398.0-398.5	Grano'd. Strong Q.C. alt'n. 3% Py.	2616			.5	Tr.	
408.4-409.6	Grano'd. Two 1" glassy Qtz. veins with med. Q.C.	2617			1.2	.13	
	wall rock alt'n. that carries 4% Py., 2% PO. at						
	408.6. a speck of coarse V.G. occurs at the edge						
	of Qtz. veinlet.						
416.2-417.0	Grano'd. Three ¼" Qtz. veinlet, 2% Py.	2618			.8	.02	
427.7-428.2	Grano'd. A ½" Qtz. vein, med. Q.C. wall rock	2619			.5	.06	
	alt'n. 3% coarse Py.						

DRILLED BY _____ SIGNED _____

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 25 SHEET NO. 5

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au	
456.0-456.5	Grano'd. A ¼" Qtz. veinlet, 2% fine Py.	2620			.5	Tr.	
472.0-477.5	Grano'd. A ¼" Qtz. veinlet, minor Py.	2621			.5	Tr.	
490.8-491.5	Grano'd. A 1" Qtz. veinlet, minor Py.	2768			.7	Tr.	
519.0-521.2	Grano'd. weak Q.C. alt'n. Ten 1/8" to ¼" Qtz. vein	2769			2.2	Tr.	
	lets, 2% Py.						
521.2-523.0	Grano'd.Weak Q.C. alt'n. Six ½" Qtz. veinlets,	2770			1.8	Tr.	
	2% Py.						
531.0-533.5	Grano'd. Med. Q.C. alt'n. 5% Qtz. Carb. in	2771			2.5	Tr.	
	stringers, 2% coarse Py.						
533.7-535.5	Grano'd. Strong Q.C. alt'n. 5% coarse Py.	2772			1.8	.06	
101.5-519.0	Grano'd. Fine to med. grained, some rare Qtz.						
	filled fractures.						
519.0-536.0	Grano'd. Qtz. carbonatized with some fine Qtz.						
	Carb. stringers and pyritic mineralization.						
536.0-554.0	Grano'd. greyish, med. grained, much of this						
	section of core, was lost due to heavy caving						
	from the cemented area, from 360.0'-370.0'.						
	This hole was stopped at 554.0. LOST CORE from						
	543.0 to 545.5. LOST CORE From 548.0 to 549.3,						
	from 552.0 to 553.0						
	END OF HOLE AT 554.0'						

DRILLED BY _____

SIGNED C. J. Kurylusin

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 26 SHEET NO. 1

LATITUDE 13263.55 DATUM AxT CORE Stored in Rocky, Windfall STARTED Oct. 16, 1980

DEPARTURE 11404.85 BEARING N 81° 21' E COMPLETED Oct. 31, 1980

ELEVATION 9922.91 DIP - 60° 14' ULTIMATE DEPTH 395.0'

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
0- 24.0	Casing in clay overburden.						
24.0-27.2	Grano'd. greyish to greenish grey. Med. grained with some Qtz. filled fractures.						
30.4-31.5	Grano'd. Med. Q.C. alt'n. 3% Py. 2% PO.	2850			1.1	Tr.	
34.2-34.7	Grano'd. A ½" Qtz. veinlet, minor Py.	2851			.5	Tr.	
40.0-41.0	Grano'd. A 3" and a ½" Qtz. veinlet, 1% Py.	2852			1.0	Tr.	
47.2-48.9	Grano'd. A 3" and a ½" Qtz. veinlet, minor Py.	2853			1.7	Tr.	
48.9-49.6	Grano'd. A 1" Qtz. vein, 1% Py.	2854			.6	.01	
51.8-53.0	Grano'd. Two 1" Qtz. veinlets, 1% Py.	2855			1.2	.03	
59.0-60.2	Grano'd. One 2" Qtz. vein, med. light green Q.C. alt'n. 5% Py. 1% PO.	2856			1.2	.07	
63.7-64.5	Grano'd. A 2" Qtz. vein, 3% Py.	2857			.8	.04	
68.0-69.2	Grano'd. strong light green Q.C. alt'n. A 1" Qtz. vein, 5% coarse Py. 1% PO.	2858			1.2	.06	
73.4-74.5	Grano'd. strong Q.C. alt'n. A 2" Qtz. vein, 2% coarse Py. 1% PO.	2859			1.1	1.11	
79.3-80.3	Grano'd. Three ½" Qtz. veinlets, at 80.0 a ½" Qtz. vein carries about 10 specks of V.G. and a coarse spot of massive Py. and PO. Traces of altaite.	2860			1.0	1.29	

DRILLED BY Kenora Drilling Co.

SIGNED C. J. Kuryliw

REGISTERED PROFESSIONAL ENGINEER C. J. KURYLIW ONTARIO

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80-26 SHEET NO. 2

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
87.0-88.5	Grano'd. 70% glassy Qtz. with 3% Py, 1% PO. in	2861			1.5	.05	
	wall rock.						
88.5-89.8	Grano'd. Two 1" Qtz. veinlets, 2% Py.	2862			1.3	.03	
89.8-91.4	Grano'd. weak Q.C. alt'n. 2% Py.	2863			1.6	.03	
91.4-92.7	Grano'd. strong Q.C. alt'n. A 1" Qtz. vein, 3%	2864			1.3	.33	
	Py and a patch of several specks of V.G. in						
	Qtz. at 92.5.						
92.7-94.0	Grano'd. Med. Q.C. alt'n. minor Qtz. 2% Py. 1%	2865			1.3	.07	
	PO.						
94.0-95.0	Grano'd. A 3" glassy Qtz. vein, 3% Py. 1% PO.	2866			1.0	.02	
95.0-96.3	Andesitic tuff finely banded. 4% Py, minor Qtz.	2867			1.3	Tr.	
96.3-97.6	Andesitic tuff, 5% Py. and a ½" Qtz. veinlet.	2868			1.3	.14	
98.6-100.0	Grano'd. and tuff mixed, weak Q.C. alt'n. minor	2869			1.4	.12	
	Qtz. 4% Py.						
100.0-101.4	Grano'd. strong Q.C. alt'n. light green. 2% Py.	2870			1.4	.25	
	2% PO.						
104.0-106.3	Grano'd. Med. Q.C. alt'n. greenish, A 2" and	2871			2.3	.02	
	two ½" Qtz. veinlets, 2% Py. 2% PO.						
106.7-108.2	Grano'd. Med. light green Q.C. alt'n. 2% Py.	2872			1.5	.02	
	1% PO.						

DRILLED BY .....

SIGNED E J K

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 26 SHEET NO. 3

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
108.6-110.0	Grano'd. strong Q.C. alt'n. light green, 2% Py.	2873			1.4	.10	
	2% PO.						
115.3-117.3	Grano'd. Med. Q.C. alt'n. Four ½" Qtz. veinlets,	2874			2.0	.05	
	2% Py. 1% PO.						
47.2-95.0	Grano'd. Med. grained, greenish grey with strong						
	light green Q.C. alt'n. of wall rock occurs						
	next to Qtz. filled fractures. The mineralizatio						
	is Py with PO.						
95.0-99.5	Andesitic tuff with contacts at 30 - 40° to core,						
	finely banded dark greenish with pyritic						
	mineralization.						
99.5158.5	Grano'd. greenish grey. Med. grained with Qtz.						
	filled fractures. The wall rock of the Qtz.						
	filled fractures has strong light green Q.C.						
	alt'n. and it carries Py. and PO. mineralization						
120.8-121.3	Grano'd. A 1" Qtz. vein, 2% Py. 1% PO;.	2951			.5	Tr.	
128.2-128.7	Grano'd. A 1" Qtz. vein, 1% Py.	2952			.5	.02	
129.8-130.6	Grano'd. A 1" Qtz. vein with med. light green	2953			.8	.15	
	Q.C. alt'n. 1% Py. 1% PO.						
131.1-132.1	Grano'd. A 2" Q.Carb. vein with strong light	2954			1.0	.03	
	green Q.C. alt'n. 3% Py. 2% PO.						

DRILLED BY [illegible] LOGGED EJK

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 26 SHEET NO. 4

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
135.5-136.4	Grano'd. Med. Q.C. alt'n. 1% Py. 1% PO.	2955			.9	.04	
136.8-138.4	Grano'd. Two 1" Qtz. veins, 2% Py.	2956			1.6	.03	
146.3-147.4	Grano'd. A 2" and a 1" Qtz. vein, 1% Py.	2957			1.1	Tr.	
150.?-152.4	Grano'd. A ½" Qtz. vein and strong light green	2958			1.7	.04	
	Q.C. alt'n. 3% Py. 2% PO.						
158.5-172.0	Greyish tuff, finely banded in parts flecked						
	with amygdules.						
172.0-	Grano'd. dark greyish, fine to med. grained,						
	fractured with Qtz.veinlets filling the fractures						
161.3-162.3	Tuff, med. Q.C. alt'n. 3% Py. 1% PO.	2959			1.0	.05	
166.0-166.5	Tuff. A ½" Qtz. vein, 2% Py.	2960			.5	.03	
171.5-172.0	Grano'd. Two ½" Qtz. veinlets, 2% Py. 1% PO.	2961			.5	Tr.	
178.?-179.5	Grano'd. A 1" Qtz. vein with med. Q.C. alt'n.	2962			.8	.02	
	3% Py.						
185.3-186.0	Grano'd. A 2" Qtz. vein, 1% Py.	2963			.7	Tr.	
190.0-190.8	Grano'd. weak Q.C. alt'n. A 1/3" vein of	2964			.8	.02	
	massive Py.						
193.2-193.8	Grano'd. A 2" Qtz. vein, 2% Py.	2965			.6	Tr.	
197.5-198.0	Grano'd. A 3" Qtz. vein, 1% Py.	2966			.5	Tr.	
201.4-202.?	Grano'd. Two 2" glassy Qtz. veins, 1% Py.	2967			1.3	Tr.	
203.5-204.0	Grano'd. A 1" Qtz. vein, minor Py.	2968			.5	Tr.	

DRILLED BY _____

SIGNED _____

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 26 SHEET NO. 5

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
209.0-210.5	Grano'd. Three ¼" Qtz. veinlets, one with 50%	2969			1.5	.09	
	massive Py.						
218.0-218.5	Grano'd. A 2" Qtz. vein, minor Py.	2970			.5	.02	
223.0-233.0	Rusty, very blocky grano'd, about 40% core						
	recovery that required, cementing.						
233.0-	Grano'd. greyish, fine to med. grained, occadional						
	Qtz. filled fractures running at 50° - 60° to core						
233.5-234.0	Grano'd. A 3/4" Qtz. vein, minor Py.	3031			.5	Tr.	
240.0-240.8	Grano'd. A 2" Qtz. vein with med. wall rock alt'n.	3032			.8	3.17	
	3% Py. at 240 about 15 specks of V.G. with a few						
	specks of alteate.						
247.3-248.C	Grano'd. A 1" Qtz. vein, minor Py.	3033			.7	.13	
252.4-253.0	Grano'd. A 1" Qtz. vein, 2% Py.	3034			.6	.09	
254.0-255.3	Grano'd. Three ¼" Qtz. veinlets, 3% Py.	3035			1.3	Tr.	
261.3-261.9	Grano'd. A 1" Qtz. vein, minor Py.	3036			.6	.03	
269.0-269.5	Grano'd. A crushed Qtz. vein, 1% Py.	3037			.5	Tr.	
276.5-277.2	Grano'd. Med. Q.C. alt'n. 3% Py.	3038			.7	.05	
282.0-282.8	Grano'd. A 1" Qtz. vein, 1% Py.	3039			.8	Tr.	
285.8-286.4	Grano'd. Two ¼" Qtz. veinlets, 4% Py.	3040			.6	.12	
291.0-292.0	Grano'd. Two ½" Qtz. veinlets, partly rusty	3041			1.0	Tr.	
	alt'n. 1% Py.						

DRILLED BY _____ SIGNED _____

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 26 SHEET NO. 6

LATTITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET,	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
293.0-293.6	Grano'd. A ½" Qtz. vein, minor Py.	3042			.6	.03	
299.0-299.5	Grano'd. A 1" Qtz. vein, 3% Py. 3% PO.	3043			.5	Tr.	
304.4-305.5	Grano'd. Two 2" Qtz. vein, 5% coarse Py.	3044			1.1	.04	
312.5-313.3	Grano'd. Med. Q.C. alt'n. 1% Py.	3081			.8	Tr.	
318.2-318.7	Grano'd. A 1" Qtz. vein, 2% Py.	3082			.5	Tr.	
319.2-320.0	Grano'd. A 1" and a ½" Qtz. vein, strong Q.C.	3083			.8	Tr.	
	alt'n. 1% Py.						
312.4-322.0	Grano'd. A 2" Qtz. vein, 2% coarse Py.	3084			.6	.11	
323.7-324.7	Grano'd. Med. Q.C. alt'n. 3% coarse Py.	3085			1.0	.04	
325.2-327.8	Grano'd. A 3" and two 1" Qtz. Carb. veinlets,	3086			1.6	.04	
	4% streaks of massive Py.						
329.0-329.5	Grano'd. Two ½" Qtz. veinlets, 7% streaks of	3087			.5	.01	
	massive Py.						
333.5-335.0	Grano'd. 10% irregular Qtz. minor Py.	3088			.5	Tr.	
338.0-339.4	Grano'd. A 1" glassy Qtz. vein, and some irregul.	3089			1.4	Tr.	
	Qtz. Carb. 1% Py.						
342.5-344.2	Grano'd. Two ½" Qtz. veinlets, and some irregular	3090			1.7	Tr.	
	Qtz. Carb. 3% Py.						
345.7-346.8	Grano'd. A 2" and a ½" Qtz. veinlets, Med. Q.C.	3091			1.1	Tr.	
	alt'n. 3% Py. 1% PO.						
349.0-350.0	Grano'd. A ½" Qtz. veinlet, minor Py.	3092			1.0	Tr.	

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 26 SHEET NO. 7

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
351.0-352.5	Grano'd. Med. Q.C. alt'n. 2% Py.	3093			1.5	Tr.	
352.5-353.8	Grano'd. Med. Q.C. alt'n. 3% Py.	3094			1.3	Tr.	
353.8-355.8	Grano'd. Med. Q.C. alt'n. 3% Py.	3095			2.0	Tr.	
355.8-357.0	Grano'd. Med. Q.C. alt'n. 2% Py.	3096			1.2	Tr.	
357.6-359.1	Grano'd. Two ½" Qtz. veinlets, med. Q.C. alt'n.	3097			1.5	Tr.	
	3% coarse Py.						
363.C-363.9	Grano'd. Two 1" Qtz. veinlets, med. Q.C. alt'n.	3098			.9	Tr.	
	4% coarse Py.						
367.0-367.9	Grano'd. Two 1" Qtz. veinlets, med. Q.C. alt'n.	3099			.9	Tr.	
	3% Py.						
370.0-372.0	Grano'd. Three ½" Qtz. veinlets, strong Q.C.	3100			2.0	.11	
	alt'n. 6% coarse Py.						
375.0-375.8	Grano'd. A 1" Qtz. vein, with 50% massive Py.	3101			.8	.46	
376.2-377.3	Grano'd. A 2" Qtz. vein, Med. Q.C. alt'n. 2% Py.	3102			1.1	.02	
377.3-379.0	Grano'd. Med. Q.C. alt'n. 2% Py.	3103			1.7	.03	
379.0-381.0	Grano'd. Med. Q.C. alt'n. 1% Py.	3104			2.0	Tr.	
382.0-383.3	Grano'd. 70% Qtz. with a 1" streak of massive	3105			1.3	.62	
	Py. that carries two specks of V.G. in massive						
	Py. at 382.6.						
383.3-385.0	Lost core.						

DRILLED BY .....

SIGNED .....

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 26 SHEET NO. 8

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
386.6-388.6	Grano'd. Med. Q.C. alt'n. two ½" Q.C. veinlets,	3106			2.0	1.23	
	3% coarse Py.						
388.6-389.7	Grano'd. Med. Q.C. alt'n. A 4" glassy Qtz. vein,	3107			1.1	.78	
	3% coarse Py.						
389.7-390.7	Grano'd. Med. Q.C. alt'n. A 1" Qtz. Carb. vein	3108			1.0	.84	
	with 50% streaks of massive Py. at 390.2 that						
	carries 3 specks of fine V.G. in the massive Py.						
390.7-391.8	Grano'd. Med. Q.C. alt'n. 3% coarse Py. with a	3109			1.9	.47	
	½" Qtz. veinlet at 391.5 that has a streak of						
	massive Py. that carries about 7 specks of V.G.						
	One in the massive Py. the rest in the wall rock.						
391.8-392.7	Grano'd. weak Q.C. alt'n. 1% Py.	3110			.9	Tr.	
392.7-394.0	Grano'd. Med. Q.C. alt'n. with three 1" Qtz.	3111			.3	.02	
	veinlets. 4% Py.						
394.0-395.0	Grano'd. Strong Q.C. alt'n. 4% coarse Py.	3112			1.0	.06	
	END OF HOLE AT 395.0'						
	Footage Dip Azim.						
	Collar						
	200' - 57° 77°						

DRILLED BY .....

SIGNED E. J. Kurylenko

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 27 SHEET NO. 1

AXT. CORE

LATITUDE -- 13239.0 DATUM Stored in Rock at Windfall STARTED Nov 1, 1980

DEPARTURE -- 11414.5 BEARING N - 79° 15' 40" E COMPLETED Nov. 10, 1980

ELEVATION [illegible] DIP - 59° 21' 18" ULTIMATE DEPTH

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au
0 - 24.0	Casing in overburden.					
24.0-51.0	Grano'd. dark greyish, fine to med. grained.					
22.6-29.2	Grano'd. A 2" and three 1" Qtz. veinlets at 55° to core. 3% Py.	3398			1.6	Tr.
33.7-34.4	Grano'd. Two ½" Qtz. veinlets, one with a fine speck of V.G. at 34.0'.	3399			.7	.04
46.0-47.2	Grano'd. Two ½" Qtz. veinlets, minor Py.	3400			1.2	Tr.
58.0-58.8	Grano'd. A 1" Qtz. vein, 1% Py. 1% PO.	3401			.8	.04
51.0-53.3	Andesitic tuff finely banded at 30° to core.					
53.3-221.0	Grano'd. dark greyish, med. grained.					
81.0-81.8	Grano'd. A 2" Qtz. vein, 1% Py.	3402			.8	.02
98.4-99.2	Grano'd. A 4" Qtz. vein, 1% Py. 1% PO. in wall rock.	3403			.8	Tr.
106.3-107.1	Grano'd. A 2" glassy Qtz. vein, minor Py.	3404			.8	Tr.
107.5-108.0	Grano'd. A ½" Qtz. vein, looks barren.	3405			.5	.02
120.1-120.9	Grano'd. A 4" glassy Qtz. vein, 1% Py. 1% PO.	3406			.8	.02
128.5-129.5	Grano'd. strong Q.C. alt'n. 3% Py. 1% PO.	3407			1.0	Tr.
130.2-130.7	Grano'd. A ½" Qtz. vein, looks barren.	3408			.5	.02
133.0-133.7	Grano'd. A 5" glassy Qtz. vein, 1% Py.	3409			.7	.02
139.5-140.2	Grano'd. A 1" Qtz. vein, minor Py.	3410			.7	.03
142.0-142.5	Grano'd. A ½" Qtz. vein, 2% Py.	3411			.5	.02

DRILLED BY [signature]

C. J. KURYLIW

SIGNED [signature]

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 27 SHEET NO. 2

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
143.4-143.9	Grano'd. A 1" Qtz. vein, 1% Py.	3412			.5	.01	
145.0-145.8	Grano'd. A ½" Qtz. vein, med. Q.C.alt'n. 1% Py.	3413			.8	Tr.	
149.0-149.5	Grano'd. A ½" Qtz. vein, minor Py.	3414			.5	Tr.	
150.2-152.4	Grano'd. med. Q.C. alt'n. 1% Py. 1% PO.	3415			2.2	.05	
152.4-153.8	Grano'd. weak Q.C. alt'n. 1% Py.	3416			1.4	.02	
157.0-158.0	Grano'd. Med. Q.C. alt'n. A 1" Qtz. vein, 2% Py.	3417			1.0	.06	
	1% PO.						
167.5-168.0	Grano'd. A 1" Qtz. vein, minor Py.	3418			.5	.02	
171.8-172.6	Grano'd. Med. Q.C. alt'n. 1% Py.	3419			.8	.03	
174.0-175.8	Grano'd. strong Q.C. alt'n. Two ½" Qtz. veins,	3420			1.8	.01	
	2% Py.						
175.8-177.7	Grano'd. A 3" and two 1" Qtz. veins, 1% Py.	3421			1.9	Tr.	
174.1-180.0	Grano'd. strong Q.C. alt'n. Two ½" Qtz. Carb.	3422			.9	.03	
	veins, 2% Py.						
191.4-192.6	Grano'd. A 1" and a ½" Qtz. vein, 1% Py. 1% PO.	3423			1.2	Tr.	
196.4-197.1	Grano'd. A ½" Qtz. vein with a streak of massive	3424			.7	.26	
	Py. and PO.						
198.3-199.0	Grano'd. Med. Q.C. alt'n., ½" Qtz. veinlet with	3425			.7	.03	
	streaks of Py.						
203.5-204.0	Grano'd. A ½" Qtz. vein, ½% Py. ½% PO.	3426			.5	.05	
206.0-206.7	Grano'd. A 3/4" Qtz. vein, minor Py.	3427			.7	Tr.	

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 27 SHEET NO. 3

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
211.4-212.0	Grano'd. A 6" Qtz. vein with some Py. along edges	3428			.6	.05	
229.5-230.0	Grano'd. Two ¼" Qtz. veinlets, 3% Py.	3429			.5	Tr.	
242.0-242.8	Grano'd. Two 1" Qtz. veinlets with rusty wall	3430			.8	.02	
	rock.						
221.0-245.0	Grano'd. , very rusty blocky zone about 50% core						
	recovery.						
245.8-246.6	Greno'd. A 2" Qtz. vein, some rusty wall rock,	3431			.8	.07	
	3% Py.						
251.5-252.2	Grano'd. A 2" Qtz. vein, 2% Py. in wall rock.	3432			.7	Tr.	
254.0-255.0	Grano'd. A 1" Qtz. vein, 2% Py. in wall rock.	3433			1.0	Tr.	
258.0-259.0	Grano'd. A ½" and a 1" Qtz. vein, with a streak	3434			1.0	.14	
	of massive Py. in wall rock.						
261.4-262.0	Grano'd. A 2" Qtz. vein, with rusty wall rock.	3435			.6	Tr.	
	1% Py.						
264.5-265.2	Grano'd. A ½" Qtz. Carb. vein, with med. Q.C.	3436			.7	.03	
	wall rock alt'n. 1% Py.						
266.5-267.1	Grano'd. A ½" Qtz. vein, 2% Py. in wall rock.	3437			.6	Tr.	
271.0-272.1	Grano'd. A 3" Qtz. vein with 3% Py. in wall rock,	3438			1.1	Tr.	
272.4-273.0	Grano'd. A 1" Qtz. vein, 1% Py. in wall rock.	3439			.6	Tr.	
277.0-277.5	Grano'd. A ½" Qtz. veinlet, 2% Py.	3440			.5	Tr.	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 27 SHEET NO. 4

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au
278.1-278.7	Grano'd. Two ¼" Qtz. veinlets, 3% coarse Py. and	3441			.6	.20
	one coarse speck of V.G. at 278.4.					
287.2-287.7	Grano'd. A ½" Qtz. vein with streaks of massive	3442			.5	Tr.
	Py.					
289.0-289.8	Grano'd. A 7" glassy Qtz. vein with some Py. in	3443			.8	Tr.
	wall rock.					
300.4-302.2	Grano'd. Three 1" Qtz. veinlets, 2% coarse Py.	3444			1.8	Tr.
302.8-303.5	Grano'd. A 2" Qtz. vein, minor Py.	3445			.7	Tr.
309.3-310.7	Grano'd. A 2" and a ½" Qtz. veinlet with streaks	3446			1.4	.04
	of massive Py. in each.					
311.4-312.5	Grano'd. Two ¼" Qtz. veinlets, 2% Py.	3447			1.1	.02
317.0-318.3	Grano'd. Two ½" Qtz. veinlets, 2% Py.	3448			1.3	.14
321.0-321.5	Grano'd. A ½" Qtz. vein, some Py. along vein	3449			.5	.63
	edges.					
322.3-324.5	Grano'd. A 2" and a 1" Qtz. veinlet, 2% Py. in	3450			2.2	.02
	wall rock.					
327.0-328.0	Grano'd. Four ¼" Qtz. veinlets, 1% Py.	3451			1.0	Tr.
337.0-339.6	Grano'd. weak Q.C. alt'n. 3% coarse Py.	3452			2.6	Tr.
339.6-341.0	Grano'd. A 3" glassy Qtz. vein, Med. Q.C. alt'n.	3453			1.4	.01
	3% Py.					
341.0-343.0	Grano'd. Med. Q.C. alt'n. a 4" Qtz. vein, 4% Py.	3454			2.0	Tr.

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 27 SHEET NO. 5

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
343.0-344.8	Grano'd. Med. Q.C. alt'n. Two ½" Qtz. veinlets,	3455			1.8	.03	
	4% coarse Py.						
344.8-348.0	Grano'd. weak Qtz. Carb. alt'n. with 3% coarse Py	3456			3.2	.01	
348.0-349.3	Grano'd. Med. Q.C. alt'n. A 1" Qtz. vein with	3457			1.3	.02	
	some streaks of massive Py. looks good.						
349.3-350.7	Grano'd. strong Q.C. alt'n. A 3" glassy Qtz.	3458			1.4	.01	
	vein, 4% coarse Py.						
350.7-353.0	Grano'd. weak Q.C. alt'n. 3% Py.	3459			1.5	Tr.	
353.0-354.5	Grano'd. weak Q.C. alt'n. 2% Py.	3460			1.5	Tr.	
354.5-355.6	Grano'd. strong Q.C. alt'n. A 3" Qtz. vein, 3% Py	3461			1.1	Tr.	
355.6-358.3	Grano'd. Med. Q.C. alt'n. 2% Py.	3462			2.7	Tr.	
359.5-360.2	Grano'd. Med. Q.C. alt'n. A ¼" Qtz. vein, 2% Py.	3463			.7	Tr.	
361.1-361.9	Grano'd. A 6" glassy Qtz. vein, 5% coarse Py. in	3464			.8	Tr.	
	wall rock.						
361.9-364.0	Grano'd. Med. Q.C. alt'n. Three ¼" Qtz. veinlets	3465			2.1	.05	
	4% coarse Py.						
364.0-366.0	Grano'd. Med. Q.C. alt'n. 4% Py.	3466			2.0	.02	
366.0-367.2	Grano'd. Med. Q.C. alt'n. A ½" Qtz. vein, 3% Py.	3467			1.2	Tr.	
368.3-370.4	Grano'd. weak Q.C. alt'n. 3% Py.	3468			1.1	Tr.	
371.3-372.2	Grano'd. Med. Q.C. A 1" Qtz. vein, 5% Py.	3469			.9	Tr.	
372.5-374.0	Grano'd. Med. Q.C. alt'n. 3% Py.	3470			1.5	.01	

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 27 SHEET NO. 6

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au	
374.0-375.3	Grano'd. weak Q.C. alt'n. Three ¼" Qtz. veinlets	3471			1.3	Tr.	
	2% Py.						
375.3-377.0	Grano'd. strong Q.C. alt'n. 10% coarse Py. looks	3472			1.7	.01	
	good.						
377.7-379.0	Grano'd. strong Q.C. alt'n. A 2" and a 1" Qtz.	3473			1.3	Tr.	
	veinlet, 7% coarse Py. in wall rock. looks good.						
380.4-381.3	Grano'd. Med. Q.C. alt'n. Two ½" Qtz. veinlets,	3474			.9	.02	
	4% coarse Py.						
382.0-383.0	Grano'd. Med. Q.C. alt'n. 3% coarse Py.	3475			1.0	Tr.	
	END OF HOLE AT 384.0'						
	Note. Machine motor block cracked, so hole was						
	stopped.						

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SIGNED E. J. Kurzfleisch

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 28 SHEET NO. 1

LATITUDE 13205.0 DATUM AXT Core Standard rack Windfall STARTED Nov. 17, 1980

DEPARTURE 11421.5 BEARING 80 47 32 E COMPLETED Nov. 22, 1980

ELEVATION 9924.97 DIP - 59 40 32 N ULTIMATE DEPTH 448.0'

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au
0 - 25.0	Casing in overburden, largely clay.					
25.0-39.0	Grano'd. greyish, coarse grained, some fractures developed at 50° to core axis.					
39.0-39.7	Andesitic tuff, banded at 40° to core.					
39.7-207.0	Grano'd. greyish, coarse grained, with some qtz filled fractures that run at 50° to core.					
26.0-26.9	Grano'd. two 2" Qtz. veins, one with 30% massive Py. looks good.	3549			.9	.21
34.0-35.0	Grano'd. Mod. Q.C. alt'n. A ½" Qtz. Carb. vein, 2% Py. 2% PO.	3550			1.0	.13
39.5-40.3	Contact between tuff and grano'd. A 1" and ½" Qtz. vein, 2% Py.	3551			.8	.07
46.4-47.0	Grano'd. A ½" Qtz. vein, mod. Q.C. alt'n. 1% Py. 2% PO.	3552			.6	.05
53.5-54.1	Grano'd. A 1" Qtz. Carb. vein, 1% Py.	3553			.6	.03
74.7-76.1	Grano'd. A 3" and three ½" Qtz. veinlets at 60° to core, 3% Py.	3554			1.4	.02
59.0-59.6	Grano'd. A ½" and a ½" Qtz. veinlet, 2% Py.	3555			.6	.02
61.0-61.9	Grano'd. A 5" and a 1" Qtz. veinlet, green Q.C. wall rock alt'n. with 4% Py.	3556			.9	.05

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SIGNED C. J. KURYLIW

REGISTERED PROFESSIONAL ENGINEER PROVINCE OF ONTARIO

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 28 SHEET NO. 2

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET.	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au
66.2-67.2	Grano'd. strong Q.C. alt'n. 1½" Qtz. Carb.	3557			1.0	.06
	veinlet, 5% Py. 2% Po. in wall rock.					
68.7-69.5	Grano'd. A 2" Qtz. Carb. vein, with light green	3558			.8	.03
	Q.C. wall rock. alt'n. 2% coarse Py. in wall rock					
74.0-74.7	Grano'd. A 2" Qtz. Carb. vein, 5% Py. in vein.	3559			.7	.81
75.2-76.0	Grano'd. 50% irregular Qtz. 5% Py. in the Qtz.	3560			.8	.06
79.0-79.7	Grano'd. Two ½" Qtz. Carb. vein, 3% Py. 3% Po.	3561			.7	.04
	in veins.					
85.5-86.0	Grano'd. A 3" glassy Qtz. vein, minor Py.	3562			.5	.01
90.7-91.5	Grano'd. Red. Q.C. alt'n. A ½" Qtz. Carb. veinlet	3563			.8	.04
	1% Py. 2% Po.					
107.7-108.4	Grano'd. Red. Q.C. alt'n. A ½" Qtz. veinlet, 2%	3564			.7	.08
	Py. 1% Po.					
117.5-118.2	Grano'd. A ½" and a ¼" Qtz. veinlet, 3% Po. 1% Py.	3565			.7	Tr.
128.0-128.9	Grano'd. A 5" glassy Qtz. vein, 2% Py. 2% Po. in	3566			.9	.03
	wall rock					
140.0-140.6	Grano'd. A ½" Qtz. vein, minor Py.	3567			.6	Tr.
167.0-167.7	Grano'd. Two 1/8" Qtz. veinlets, with streaks of	3568			.7	.01
	massive Py. and Po.					
174.3-175.0	Grano'd. A ½" glassy Qtz. vein, minor Py.	3569			.7	.03
183.6-184.4	Grano'd. A 2" and a ½" Qtz. vein, 1% Py.	3570			.8	.06

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 28 SHEET NO. 3

LATITUDE | DATUM | STARTED

DEPARTURE | BEARING | COMPLETED

ELEVATION | DIP | ULTIMATE DEPTH

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
198.0-199.5	Grano'd. A 2" and two ½" Qtz. veinlets, minor Py.	3571			1.5	Tr	
204.5-205.0	Grano'd. Two ½" Qtz. veinlets, 1% Py.	3572			.5	Tr.	
207.0-208.7	Grano'd. A 5" glassy Qtz. vein, some rusty wall rock alt'n., minor Py.	3573			1.7	Tr.	
214.2-215.2	Grano'd. Two 2" Qtz. veinlets, minor Py.	3574			1.0	Tr.	
228.4-229.3	Grano'd. A 1" and two ½" Qtz. veinlets, 2% Py.	3575			.9	Tr.	
236.7-237.3	Grano'd. A 1" glassy Qtz. vein, minor Py.	3576			.6	.02	
238.8-239.4	Grano'd. A ½" Qtz. vein, 1% Py.	3577			.6	.02	
241.5-250.0	Grano'd. A ½" Qtz. vein, 2% Py.	3578			.5	Tr.	
242.8-242.5	Grano'd. A 1" Qtz. vein at 238.0 carries 2 fine specks of V.G.	3579			.7	.18 .19	.18
252.8-253.4	Grano'd. A 1" Qtz. vein, 3% Py.	3580			.6	.02	
253.4-255.0	Grano'd. rusty, med. Q.C. alt'n. 4% Py.	3581			1.6	.01	
255.0-256.4	Grano'd. A 1" and three ½" Qtz. veinlets, rusty med. Q.C. alt'n. 5% Py. in wall rock. One ½" veinlet at 255.7 carries 50% massive Py.	3582			1.4	.21	
256.4-257.3	Grano'd. rusty. A 3' glassy Qtz. vein. 1% Py.	3583			.9	Tr.	
261.0-262.0	Grano'd. Three ½" Qtz. veinlets, 2% Py.	3584			1.0	.01	
262.0-263.3	Grano'd. rusty, med. Q.C. alt'n. A ½" Carb. veinlet, 7% coarse Py. in wall rock.	3585			1.3	.01	
264.0-265.0	Grano'd. Two ½" Qtz. veinlets, 3% Py.	3586			1.0	Tr.	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 28 SHEET NO. 4

LATITUDE | DATUM | STARTED

DEPARTURE | BEARING | COMPLETED

ELEVATION | DIP | ULTIMATE DEPTH

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
265.6-266.9	Grano'd. A ⅛" and a ½" Qtz. veinlet, 3% Py.	3587			1.3	.01	
267.7-268.5	Grano'd. Two ⅛" Qtz. veinlets, 3% Py.	3588			.8	TR.	
270.0-271.2	Grano'd. A 1" Qtz. veinlet, med. Q.C. alt'n. 2%	3589			1.2	.02	
	Py.						
271.7-272.3	Grano'd. Two ⅛" Qtz. veinlets, 2% Py.	3590			.6	.01	
273.0-274.7	Grano'd. Four 1" Qtz. veinlets, 3% coarse Py.	3591			1.7	.03	
	Looks good.						
276.0-276.5	Grano'd. A ⅛" Qtz. vein with some rusty wall	3592			.5	TR.	
	rock alt'n. 2% Py.						
277.3-277.8	Grano'd. A 3" Qtz. vein, 1% Py.	3593			.5	TR.	
278.5-279.0	Grano'd. A 1" Qtz. vein, 3% Py. in wall rock.	3594			.5	TR.	
279.5-280.1	Grano'd. A 1" Qtz. Carb. vein, 7% coarse Py. in	3595			.6	.05	
	wall rock.						
282.7-283.3	Grano'd. A 1" Qtz. vein with rusty wall rock	3596			.6	.02	
	alt'n. 2% Py.						
284.7-286.0	Grano'd. Med. Q.C. wall rock alt'n. rusty, a 3"	3597			1.3	TR.	
	and two ⅛" Qtz. veinlets, 5% coarse Py.						
207.0-286.0	Grano'd. with blocky numerous Qtz. filled						
	fractures that run at about 60 to core. These						
	have rusty wall rock alt'n. along the Qtz. filled						
	fractures, and some pyritic mineralization.						

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 28 SHEET NO. 5

LATITUDE	DATUM	STARTED
DEPARTURE	BEARING	COMPLETED
ELEVATION	DIP	ULTIMATE DEPTH

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
286.0-445.7	Grano'd. greenish grey, coarse grained with some						
	well developed Qtz. filled fractures.						
288.0-288.5	Grano'd. A ½" Qtz. veinlet, 5% coarse Py. in wall	3598			.5	.20	
	rock.						
291.0-291.5	Grano'd. A 2" Qtz. vein, 3% Py. in wall rock.	3599			.5	.01	
296.0-297.0	Grano'd. Three ½" Qtz. veinlets, 5% Py.	3600			1.0	.01	
297.5-298.0	Grano'd. A ½" Qtz. vein, minor Py.	3601			.5	Tr.	
298.5-299.2	Grano'd. stronr Q.C. alt'n. 7% coarse Py.	3602			.7	Tr.	
303.0-303.7	Grano'd. A 1" Qtz. vein, 3% Py.	3603			.7	.01	
305.0-306.0	Grano'd. A 2" and a ½" Qtz. vein, med. Q.C. alt'n	3604			1.0	.08	
	10% coarse Py. looks good.						
309.5-310.8	Grano'd. Three ½" Qtz. veinlets, med. Q.C. alt'n,	3605			1.3	.05	
	4% coarse Py.						
312.6-314.2	Grano'd. Two 1" and four ½" Qtz. veinlets, 7%	3606			1.6	.24	
	coarse Py. looks good.						
319.0-320.8	Grano'd. A 2" and two 1" Qtz. veinlets, 2% Py.	3607			1.8	.02	
323.0-323.5	Grano'd. A ½" Qtz. vein, 3% Py.	3608			.5	.01	
327.9-328.6	Grano'd. A 4" Qtz. vein, 3% Py. in wall rock.	3609			.5	.02	
329.4-330.6	Grano'd. A 6" and a ½" Qtz. veinlet, 1% Py.	3610			1.2	.01	
337.0-337.8	Grano'd. A 1" Qtz. vein, 2% Py.	3611			.8	Tr.	
341.3-343.3	Grano'd. A 2" and a 1" Qtz. vein, 3% coarse Py.	3612			2.0	.02	

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 28 SHEET NO. 6

LATITUDE	DATUM	STARTED
DEPARTURE	BEARING	COMPLETED
ELEVATION	DIP	ULTIMATE DEPTH

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
343.3-344.2	Grano'd. A 2" Qtz. vein, a strong Q.C. wall rock	3613			.9	.03	
	alt'n. with 10% coarse Py.						
350.0-351.0	Grano'd. A 4" Qtz. vein, and a 1" 4% coarse Py.	3614			1.0	.01	
	in wall rock.						
352.5-353.7	Grano'd. Two 2" Qtz. veins, strong Q.C. wall	3615			1.2	.04	
	rock alt'n. 7% coarse Py.						
359.0-360.4	Grano'd. Med. Q.C. alt'n. Four ½" Qtz. veinlets,	3616			1.4	TR.	
	5% coarse Py. in streaks.						
362.3-363.7	Grano'd. A 7" and a 1" Qtz. veinlet, strong Q.C.	3617			1.4	TR.	
	alt'n. 3% coarse Py.						
370.0-370.7	Grano'd. A 3" Qtz. vein, 3% Py.	3618			.7	TR.	
376.2-377.4	Grano'd. Med. Q.C. alt'n. A 1" Qtz. vein, 5%	3619			1.2	.01	
	coarse Py.						
378.8-380.5	Grano'd. A 2" and two ½" Qtz. veinlets, 5%	3620			1.7	.01	
	massive Py. streaks.						
384.0-385.8	Grano'd. A 1" and three ½" Qtz. veinlets, 1% Py.	3621			1.8	TR.	
392.4-392.9	Grano'd. A ½" Qtz. vein, 2% Py.	3622			.5	.02	
396.7-397.3	Grano'd. A 1" Qtz. vein, minor Py.	3623			.6	TR.	
406.0-406.7	Grano'd. A ½" Qtz. vein, 1% Py.	3624			.7	.05	
412.8-414.2	Grano'd. A 5" and a ½" Qtz. vein, 4% coarse Py.	3625			1.4	.02	
	in wall rock.						

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 28 SHEET NO. Sheet No. 7

LATITUDE	DATUM	STARTED
DEPARTURE	BEARING	COMPLETED
ELEVATION	DIP	ULTIMATE DEPTH

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS AU
422.0-422.6	Grano'd. A 3" Qtz. vein, minor Py.	3626			.6	1.16
428.6-429.8	Grano'd. Three ½" Qtz. veinlets, 1% Py.	3627			1.2	TR.
429.8-430.8	Grano'd. Strong Q.C. alt'n. A 1" Qtz. vein, 2% coarse Py.	3628			1.0	.09
431.5-432.3	Grano'd. A 1" Qtz. vein, 2% Py.	3629			.8	.01
440.4-441.0	Grano'd. Strong Q.C. alt'n. 5% coarse Py.	3630			.6	.02
445.7-448.0	Sericitic waxy, Qtz. porphyry dyke with its contact at 30° to core axis. 5% fine Qtz. pheno's.					
	END OF HOLE AT 448.0'					

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SIGNED C. J. Kingshire

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 29 SHEET NO. 1

LATITUDE 13245.22 DATUM AXT CORE Stored in Rack, Windfall STARTED Oct. 25, 1980

DEPARTURE 11310.22 BEARING N 82° 50' E COMPLETED Nov. 6, 1980

ELEVATION 9920.22 DIP - 59° 20' ULTIMATE DEPTH 562.0'

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
0 - 20.0	Casing in overburden						
20.0-219.0	Grano'd. greenish grey med. grained, somewhat						
	massive, Qtz. filled fractures are rare.						
52.0-54.0	Grano'd. Four ¼" irregular Qtz. veinlets, 1% Py.	3045			2.0	.02	
96.2-97.0	Grano'd. A 5" Qtz. vein at 70° to core. 3% Py.	3046			.8	Tr.	
	along wall rock.						
115.8-116.5	Grano'd. A ¼" Qtz. Carb. veinlet with a streak	3047			.7	Tr.	
	of massive Py.						
122.4-123.0	Grano'd. Two ¼" Qtz. veinlets, 1% Py.	3048			.6	.05	
149.0-149.6	Grano'd. A ½" Qtz. vein, 2% Py. 2% PO.	3049			.6	.12	
160.3-160.9	Grano'd. A 1" Qtz. vein, 1% Py.	3050			.6	.04	
162.6-163.2	Grano'd. A ½" Qtz. vein with streaks of massive	3051			.6	.02	
	Py and PO.						
178.8-179.4	Grano'd. A 1" Qtz. vein, 1% Py. 1% PO.	3052			.6	.02	
182.7-183.3	Grano'd. A 1" Qtz. vein, 1% Py. 1% PO.	3053			.6	.01	
192.0-192.8	Grano'd. A 3" Qtz. vein with some Py. along	3054			.8	.02	
	edges.						
198.3-198.9	Grano'd. A 1" Qtz. vein, minor Py.	3055			.6	Tr.	
200.8-202.0	Grano'd. Med. Q.C. alt'n. 1% Py.	3056			1.2	Tr.	
219.0-220.0	Tuff grano'd. contact. A ½" and a ¼" Qtz. veinlet	3057			1.0	.01	
	1% Py.						

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REGISTERED PROFESSIONAL ENGINEER E. J. KURYLUK PROVINCE OF ONTARIO

E. J. Kuryluk

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 29 SHEET NO. 2

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au
219.0-249.0	Tuff dark greyish with some amygdaloidal flecks					
	banding at 10° to core axis.					
249.0-325.0	Grano'd. greenish grey, med. grained with some					
	widely spaced Qtz. filled fractures.					
249.5-250.9	Grano'd. A ½" Qtz. veinlet with weak Q.C. alt'n.	3058			1.4	.01
	2% Py.					
254.0-255.5	Grano'd. Two ¼" Qtz veinlets, 1% Py. 1% PO.	3059			1.5	.02
260.0-261.0	Grano'd. Med. Q.C. alt'n. 1% Py. 1% PO.	3060			1.0	Tr.
264.7-265.5	Grano'd. Three ½" Qtz. veinlets, 2% Py. 1% PO.	3061			.8	Tr.
271.4-272.7	Grano'd. A 1" and a 2" irregular Qtz. veinlet,	3062			1.3	Tr.
	1% Py.					
276.4-277.0	Grano'd. A 3" Qtz. vein, ½% Py. ½% PO.	3063			.6	Tr.
280.5-281.3	Grano'd. A 4" Qtz. vein, rusty, 2% Py. 2% PO.	3064			.8	.02
283.5-284.2	Grano'd. A ½" Qtz. veinlet, 3% Py.	3065			.7	.02
301.2-301.7	Grano'd. A 2" Qtz. veinlet, minor Py.	3066			.5	.01
307.5-308.0	Grano'd. A 1" Qtz. vein, 3% Py.	3067			.5	Tr.
309.8-310.4	Grano'd. A ½" Qtz. vein, 5% coarse Py. in vein.	3068			.6	.03
313.0-313.5	Grano'd. A 1" Qtz. vein, 3% Py. in wall rock.	3069			.5	Tr.
321.0-322.8	Grano'd. Two ¼" Qtz. veinlets, minor Py.	3070			1.8	Tr.
324.3-325.0	Grano'd. A ½" Qtz. veinlet, 1% Py.	3071			.7	Tr.
328.0-328.8	Grano'd. Tuff contact, 7% coarse Py cubes.	3072			.8	.03

DRILLED BY _____ SIGNED _____

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 29 SHEET NO. 3

LATITUL _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
325.0-335.5	Finely banded tuff, dsrk greyish, with bands at						
	45° to core.						
335.5-	Grano'd. greenish grey coarse grained, some						
	widely spaced Qtz. filled fractures.						
339.4-340.4	Grano'd. Med. Q.C. alt'n. A 1" Qtz. vein, and	3073			1.0	3.59	
	a 1" massive Py. vein at 340.0 that carries						
	about 20 fine specks of V.G. in the wall rock						
	adjoining the massive Py.						
343.0-343.6	Grano'd. A 1" Qtz. Carb. veinlet, 2% Py.	3074			.6	.04	
347.5-348.6	Grano'd. A 1" and a ½" Qtz. veinlet, 2% Py. 1% PO	3075			1.1	.03	
351.0-351.8	Grano'd. A 2" Qtz. vein 1% Py. 1% PO.	3076			.8	.06	
359.0-360.0	Grano'd. Med. Q.C. alt'n. Four ½" Qtz. Carb.	3077			1.0	.03	
	veinlets, 5% streaks of massive Py. 1% PO. looks						
	good.						
369.0-369.8	Grano'd. A ½" and a ¼" Qtz. veinlet, minor Py.	3078			.8	Tr.	
375.8-377.1	Grano'd. Strong Q.C. alt'n. 7% coarse Py.	3079			1.3	Tr.	
377.1-378.0	Grano'd. Two ¼" Qtz. veinlets, 3% Py.	3080			.9	Tr.	
384.8-385.8	Grano'd. A 2" glassy Qtz. vein, 1% Py.	3187			1.0	.02	
399.3-401.2	Grano'd. Med. Q.C. alt'n. Two ½" Qtz. veinlets,	3188			1.9	.01	
	3% Py.						

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 29 SHEET NO. 4

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
401.2-402.6	Grano'd. strong Q.C. alt'n. A 2" and two ½"	3189			1.4	.03	
	Qtz. Carb. veinlets, 5% coarse Py.						
402.6-403.7	Grano'd. strong Q.C. alt'n. Three ½" Qtz.	3190			1.1	Tr.	
	veinlets, 3% coarse Py.						
404.3-405.0	Grano'd. Med. Q.C. alt'n. A 1/8" streak of	3191			.7	Tr.	
	massive Py.						
407.0-408.3	Grano'd. Strong Q.C. wall rock alt'n. Two 1" Qtz.	3192			1.3	.02	
	veinlets, 3% Py.						
408.3-410.0	Grano'd. weak Q.C. alt'n. 4% coarse Py.	3193			1.7	Tr.	
415.0-415.7	Grano'd. Med. Q.C. wall rock. Alt'n. 3% Py.	3194			.2	Tr.	
418.5-419.2	Grano'd. Med. Q.C. Alt'n. 1% Py.	3195			.7	.15	
422.5-423.2	Grano'd. Med. Q.C. alt'n. A ½" Qtz. Carb. veinlet	3196			.7	Tr.	
	minor Py.						
446.8-447.7	Grano'd. A 1" Qtz. veinlet, med. Q.C. wall rock	3197			.9	.01	
	alt'n. 3% Py. 1% PO.						
453.0-453.7	Grano'd. Med. Q.C. wall rock, alt'n. Two ½" Qtz.	3198			.7	Tr.	
	veinlets, 2% Py. 3% PO.						
457.0-458.8	Grano'd. Med. Q.C. wall rock alt'n. Two ½" Qtz.	3199			1.8	.01	
	veinlets, 2% Py. 2% PO.						
479.5-480.4	Grano'd. strong Q.C. alt'n. A 2" Qtz. vein, 5%	3200			.9	.01	
	coarse Py.						

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 29 SHEET NO. 5

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET.	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
489.0-489.6	Grano'd. A 3" glassy Qtz. vein, 1% Py.	3201			.6	.01	
492.1-493.0	Grano'd. A 6" glassy Qtz. vein, med. Q.C. wall	3202			.9	Tr.	
	rock alt'n. with 4% coarse Py.						
493.3-494.0	Grano'd. Med. Q.C. alt'n. 2% Py.	3203			.7	.01	
498.5-500.7	Grano'd. med. Q.C. wall rock alt'n. Two ¼" Q.C.	3204			2.2	.01	
	veinlets, 5% coarse Py.						
505.0-505.6	Grano'd. Two ⅛" Qtz. veinlets, 3% Py.	3205			.6	.02	
508.6-510.0	Grano'd. Strong Q.C. alt'n. 7% Py.	3206			1.4	.21	
510.0-511.5	Grano'd. Strong Q.C. alt'n. Two ⅛" Qtz. Carb.	3207			1.5	.04	
	veinlets, 7% coarse Py.						
512.5-514.7	Grano'd. Three ⅛" Qtz. veinlets, minor Py.	3208			2.2	Tr.	
515.5-516.4	Grano'd. Med. Q.C. alt'n. 4% coarse Py.	3209			.9	Tr.	
521.8-523.5	Grano'd. med. Q.C. alt'n. 4% Py.	3210			1.7	.02	
523.5-525.5	Grano'd. Strong Q.C. alt'n. 10% coarse Py.	3211			2.0	.03	
531.5-532.6	Grano'd. Strong Q.C. alt'n. with a ⅛" Qtz. Carb.	3253			1.1	.03	
	vein, 7% coarse Py.						
536.0-537.6	Grano'd. Strong Q.C. alt'n. 7% coarse Py.	3254			1.6	.05	
542.0-543.4	Grano'd. strong Q.C. alt'n. with a ⅛" Qtz. vein,	3255			1.4	.03	
	7% coarse Py.						
544.6-545.6	Grano'd. weak Q.C. alt'n. 3% Py.	3256			1.0	Tr.	
549.0-550.2	Grano'd. Two ⅛" Qtz. veinlets, 1% Py.	3257			1.2	Tr.	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 29 SHEET NO. 6

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au	
553.0-553.6	Grano'd. A glassy 2" Qtz. vein, minor Py.	3258			.6	Tr.	
556.5-557.0	Grano'd. A ½" Qtz. Carb. vein, 3% Py.	3259			.5	.02	
	END OF HOLE AT 562.0'						

DRILLED BY .....

SIGNED E. J. Kurylenia

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

B-Q CORE

HOLE NO. 80 - 30 SHEET NO. 1

LATTITUDE 13217.0 DATUM Staradgi Grid, Windfall STARTED Nov. 12, 1980

DEPARTURE 11318.0 BEARING N-82° 0' 15"-E COMPLETED Nov. 16, 1980

ELEVATION [illegible] DIP -59°41' ULTIMATE DEPTH 464.0'

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au
0 - 29.0	Casing in overburden.					
29.0-300.5	Grano'd. dark greyish, med. grained with some Qtz. filled fractures that run at 50 - 70° to core axis.					
31.6-32.1	Grano'd. A ½" Qtz. vein, 1% Py.	3476			.5	.01
33.0-33.6	Grano'd. A 1½" Qtz. vein, 1% Py.	3477			.6	Tr
44.5-46.5	Grano'd. A 2" and a 1" Qtz. vein, 1% Py.	3478			2.0	Tr.
48.8-49.3	Grano'd. A 1" Qtz. vein, 1% Py.	3479			.5	Tr.
51.8-52.3	Grano'd. A 1" Qtz. vein, 2% Py.	3480			.5	Tr.
55.6-56.1	Grano'd. A ½" Qtz. vein, 3% streaks of massive Py	3481			.5	Tr.
57.8-58.3	Grano'd. A 1" Qtz. vein, 3% streaks of massive Py	3482			.5	Tr.
61.0-61.6	Grano'd. A 1" Qtz. vein, 3% Py.	3483			.6	.02
69.4-69.9	Grano'd. A ½" Qtz. vein, that carries 5% Py.	3484			.5	.04
72.7-73.4	Grano'd. A 1" Qtz. vein, 3% Py.	3485			.7	.01
68.0-69.7	Grano'd. Four ½" Qtz. veinlets, 3% coarse Py.	3486			1.7	Tr.
82.3-83.0	Grano'd. Two ½" Qtz. veinlets, 3% Py.	3487			.7	Tr.
92.0-92.9	Grano'd. strong Q.C. alt'n. Two 1" Qtz. veinlets, 5% coarse Py.	3488			.9	.11
93.2-93.7	Grano'd. A ½" Qtz. vein, with streaks of massive Py.	3489			.5	Tr.
95.8-97.4	Grano'd. Med. Q.C. alt'n. Two ½" Qtz. veinlets					

REGISTERED PROFESSIONAL ENGINEER C. J. KURYLIW PROVINCE OF ONTARIO

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SIGNATURE [signature]

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 30 SHEET NO. 2

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET.	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
	with streaks of massive Py. and PO.	3490			1.6	.03	
99.4-100.1	Grano'd. A 1" Qtz. vein. 2% Py.	3491			.7	Tr.	
105.4-106.5	Grano'd. Three ¼" Qtz. veinlets, 3% Py. 1% PO.	3492			1.1	.02	
113.5-114.0	Grano'd. A ½" Qtz. vein, 1% Py.	3493			.5	Tr.	
116.2-116.8	Grano'd. A ½" Qtz. vein, 2% Py.	3494			.6	Tr.	
119.5-120.5	Grano'd. Two ½" Qtz. veinlets, 1% PO. 2% Py.	3495			1.0	.12	
128.3-129.5	Grano'd. Three ½" Qtz. veinlets, One veinlet at	3496			1.2	.02	.05
	128.6 carries a speck of V.G. and a patch of					.03	
	sphalerite.					.05	
134.3-134.8	Grano'd. A 2" Qtz. vein, 1% Py.	3497			.5	Tr.	
137.0-137.8	Grano'd. Three ½" Qtz. veinlets, 2% Py.	3498			.8	.02	
140.2-140.7	Grano'd. A ½" Qtz. vein, 1% Py.	3499			.5	Tr.	
146.0-147.4	Grano'd. A 2" and a ½" Qtz. veinlet, 1% Py.	3500			1.4	Tr.	
148.5-150.0	Grano'd. Streaks of massive Py. in the ½" vein at	3501			1.5	.01	
	149.7.						
155.0-155.6	Grano'd. A 1" Qtz. vein, 2% Py.	3502			.6	Tr.	
162.7-164.0	Grano'd. Three ¼" Qtz. veins, 3% Py.	3503			1.3	Tr.	
166.0-166.5	Grano'd. A 1" Qtz. vein, 4% coarse Py.	3504			.5	.13	
169.3-170.0	Grano'd. A 3" Qtz. vein, 2% Py.	3505			.7	.05	
172.0-172.7	Grano'd. Med. Q.C. alt'n. A ½" Qtz. vein with	3506			.7	.01	
	streaks of massive Py. and some sphalerite.						

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 30 SHEET NO. 3

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET.	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
177.6-178.2	Grano'd. Two ½" Qtz. veinlets, 5% Py.	3507			.6	.15	
193.5-194.2	Grano'd. A 3/4" Qtz. veinlet at 60° to the core	3508			.7	6.88	
	carries 50% massive Py. and about 30 specks of					7.01	6.83
	V.G. along the vein edges near the massive Py.					6.60	
	Several coarse specks of galena.						
199.0-199.5	Grano'd. A ½" Qtz. vein, 1% Py.	3509			.5	.08	
201.0-201.6	Grano'd. A ½" Qtz. vein, 1% Py.	3510			.6	1.57	
212.0-212.5	Grano'd. A ½" Qtz. vein with massive Py.	3511			.5	.12	
216.7-217.3	Grano'd. A 3" Qtz. vein, 1% Py.	3512			.6	.03	
218.7-219.3	Grano'd. A ½" Qtz. vein, 2% Py.	3513			.6	.02	
221.5-223.0	Grano'd. A 2" and a ½" Qtz. veinlet, strong Qtz.	3514			1.5	.07	
	Carb. alt'n. with large crystals of Py. looks						
	good.						
234.7-235.5	Grano'd. A 1" Qtz. vein, 3% Py.	3515			.8	.14	
237.8-238.6	Grano'd. Two ½" Qtz. veinlet, 1% Py. 1% PO.	3516			.8	.01	
242.5-243.0	Grano'd. A ½" Qtz. vein, 2% Py. along edge.	3517			.5	.02	
251.5-253.0	Grano'd. A 2" and a 1" Qtz. veinlet, 4% coarse	3518			1.5	Tr.	
	Py.						
261.2-263.2	Grano'd. Med. Q.C. alt'n. Two ½" Qtz. veinlets,	3519			2.0	Tr.	
	3% Py.						
265.7-266.3	Grano'd. A 2" Qtz. vein with 10% streaks of	3520			.6	.26	
	massive Py.						

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 30 SHEET NO. 4

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
272.5-273.0	Grano'd. A ¼" vein of massive Py. looks good.	3521			.5	.09	
285.5-286.8	Grano'd. Three ½" Qtz. veins each with streaks	3522			1.3	.07	
	of massive Py.						
288.8-289.6	Grano'd. A ¼" and a ½" Qtz. veinlet, with streaks	3523			.8	TR.	
	of massive Py. and traces of sphalerite in each.						
293.4-294.7	Grano'd. strong Q.C. alt'n. 5% coarse Py. cubes.	3524			1.3	.06	
300.5-311.2	Feldspar porphyry dyke. 30% coarse feldspar						
	pheno's. with a biotitic Qtz. Feldspar ground						
	mass contacts at 45° to core.						
311.2-464.0	Grano'd. dark greyish, med. grained Qtz. filled						
	fractures are not too well developed.						
324.0-325.0	Grano'd. Two ½" Qtz. veinlets, 3% Py. A speck of	3525			1.0	TR.	
	galena.						
327.0-327.6	Grano'd. A 3/4" Qtz. vein with a patch of	3526			.6	.12	
	massive Py and PO.						
329.0-329.7	Grano'd. Med. Q.C. alt'n. A ½" Qtz. veinlet,	3527			.7	.03	
	1% Py. 2% PO.						
361.0-361.8	Grano'd. Med. Q.C. alt'n. A 1½" Qtz. vein, 4%	3528			.8	.17	
	coarse Py.						
386.5-387.0	Grano'd. A ½" Qtz. vein, 1% Py.	3529			.5	TR.	
388.0-388.8	Grano'd. A 6" Qtz. vein, 2% Py. along edges.	3530			.8	TR.	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 30 SHEET NO. 5

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au	
395.5-396.0	Grano'd. A 1" Qtz. vein, 1% Py. 2% PO.	3531			.5	TR.	
403.0-403.5	Grano'd. Two ½" Qtz. veins, 1% Py.	3532			.5	.10	
406.5-407.5	Grano'd. A 1" and a ¼" Qtz. veinlet, 3% Py. 1% PO	3533			1.0	TR.	
410.2-411.0	Grano'd. Med. Q.C. alt'n. A ½" Qtz. Carb. veinlet	3534			.8	TR.	
	4% Py. 1% PO.						
414.3-415.3	Grano'd. Two ½" Qtz. veinlets, 2% Py.	3535			1.0	.01	
416.0-416.8	Grano'd. Med. Q.C. alt'n. A 1" Qtz. Carb. veinlet	3536			.8	.02	
	3% Py. 1% PO.						
412.0-421.8	Grano'd. A 3" Qtz. vein with 2% coarse Py. along	3537			.8	TR.	
	the edge.						
422.5-423.0	Grano'd. A 4" glassy Qtz. vein, 1% Py.	3538			.5	TR.	
426.0-428.0	Grano'd. A 4" and a 2" Qtz. vein, 3% coarse Py.	3539			2.0	TR.	
428.0-430.2	Grano'd. Two 2" Qtz. veins, 1% Py.	3540			2.2	TR.	
435.5-436.1	Grano'd. A 4" Qtz. vein, 4% coarse Py. in the	3541			.6	TR.	
	vein.						
436.8-437.5	Grano'd. A 5" glassy Qtz. vein, minor Py.	3542			.7	.05	
441.0-441.7	Grano'd. A 1" Qtz. vein with 7% streaks of	3543			.7	.04	
	massive Py. looks good.						
443.0-444.2	Grano'd. A 4" glassy Qtz. vein and a ¼" massive	3544			1.2	3.23	}
	Py. vein at 443.2 carries 15 specks of fine V.G.					3.29	} 3.23
	and several large specks of galena.					3.16	}

DRILLED BY .....

SIGNED E.J.K.

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 30 SHEET NO. 6

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au
446.0-447.2	Grano'd. A 3" and a ½" Qtz. veinlet, 2% Py.	3545			1.2	.04
452.7-453.3	Grano'd. A 2" glassy Qtz. vein, 1% Py.	3546			.6	.03
463.0-463.5	Grano'd. A ½" Qtz. vein, 1% Py. 1% PO. TRace of chalco.	3548			.5	.02
459.0-460.0	Grano'd. Two ½" Qtz. veinlets, 1% Py.	3547			1.0	.02
	END OF HOLE AT 464.0'					

DRILLED BY _____

SIGNED _____

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

BQ core

HOLE NO. 80 - 31 SHEET NO. 1

LATITUDE 13006.72 DATUM Standing Rock Windfall STARTED Aug. 12, 1980

DEPARTURE 10206.11 BEARING N 84° 47'E COMPLETED Aug. 30, 1980

ELEVATION 9896.28 Collar - 59° 44' DIP @200' - 57° Azim 94.5° ULTIMATE DEPTH 700.0'

@400' - 51° 114.5

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au
0 - 22.0	Casing in clay overburden.					
22.0-234.0	Grano'd. Greeyish, med. grained, well fractured with QTZ. veinlets filling fractures at 60° to core, some weak Q.C. wall rock Alt'n. with some pyritic mineralization.					
26.0-27.0	Grano'd. A ½" QTZ. vein wit. med. Q.C. wall rock Alt'n. 3% coarse PY.	1159			1.0	Tr.
27.0-27.7	Grano'd. weak Q.C. Alt'n. 3½" QTZ. veinlets 2% coarse PY.	1160			.7	Tr.
30.7-31.6	Grano'd. 2½" QTZ. veinlet 2% coarse PY	1161			.9	Tr.
32.5-33.3	Grano'd. A 2" QTZ. vein with med. Q.C. wall rock Alt'n. 3% coarse PY. Three specks of fine V.G. at 33.0.	1162			.8	.02
33.3-34.0	Grano'd. 2½" QTZ. veinlet. ½% PY.	1163			.7	Tr.
35.3-36.0	Grano'd. 2½" QTZ. veinlet, 1% PY.	1164			.7	Tr.
39.5-40.5	Grano'd. A 2" QTZ. veinlet 1% PY.	1165			1.0	Tr.
44.5-46.8	Grano'd. A 1" and 4½" QTZ. veinlet at 50° to core, 1% coarse PY.	1186			2.3	.03
46.8-48.6	Grano'd. 40% QTZ. veinlet, with 3% coarse PY.	1187			1.8	Tr.
51.7-52.8	Grano'd. 2½" QTZ. veinlet with 2" Q.C. wall rock Alt'n. each side that carries 10%, ¼" cubes PY.	1188			1.1	.03

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REGISTERED PROFESSIONAL ENGINEER C. J. KURYLUK PROVINCE OF ONTARIO

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 31 SHEET NO. 2

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
56.0-56.5	Grano'd. A ¼" QTZ. veinlet with some coarse PY.	1189			.5	Tr.	
62.2-62.8	Grano'd. A 2" QTZ. vein with some tourmaline, and 2% PO. in bleached wall rock.	1253			.6	Tr.	
62.8-70.0	Grano'd. A 3" and 2½" QTZ. veinlet at 65° to core Carry 2% PY. cubes in bleached wall rock.	1254			2.2	Tr.	
70.0-71.4	Grano'd. bleached strong Q.C. Alt'n. A 1" and ¼" QTZ. veinlet 5% cubo PY. in wall rock.	1255			1.4	0.23	
71.4-72.8	Grano'd. med. Q.C. Alt'n. 3⅛" QTZ. veinlet, 3% coarse PY.	1256			1.4	0.05	
72.8-73.6	Grano'd. A 7" glassy QTZ. vein, some PY. in wall rock.	1257			.8	Tr.	
73.6-75.1	Grano'd. 3⅛" QTZ. veinlet, 2% PY.	1258			.5	Tr.	
76.5-78.3	Grano'd. 3⅛" QTZ. veinlet ⅛% PY.	1259			1.8	Tr.	
81.5-84.0	Grano'd. A ⅛" and 2½ " QTZ. veinlets, ⅛% PY.	1260			2.5	Tr.	
87.6-88.6	Grano'd. A 5" QTZ. vein, 2% coarse PY.	1261			1.0	Tr.	
92.5-93.0	Grano'd. 2½" QTZ. veinlets, strong Q.C. wall rock alt'n. 2% PY. 1% magnetite.	1262			.5	Tr.	
95.4-97.0	Grano'd. A 1" and 2½" QTZ. veinlet, ⅛% PY.	1263			1.6	Tr.	
97.0-97.9	Grano'd. A 3" QTZ. Carb. vein, 2% PY.	1264			.9	.01	
97.9-99.5	Grano'd. A 1" and ¼" QTZ. veinlet, bleached, 2% PY.	1265			1.6	.01	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 31 SHEET NO. 3

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
99.5-100.5	Grano'd. A 2" and a 1" QTZ. vein at 60° to core,	1266			1.0	Tr.	
	2% large cube PY.						
100.5-102.2	Grano'd. 3¼" QTZ. veinlets, 1% PY.	1267			1.7	Tr.	
102.2-103.8	Grano'd. A ½" and 2¼" QTZ. veinlet, ½% PY.	1268			1.6	Tr.	
103.8-104.5	Grano'd. A 6" glassy QTZ. vein, minor PY.	1269			.7	Tr.	
105.5-107.2	Grano'd. 4¼" QTZ. veinlet, ½% PY.	1270			1.7	Tr.	
108.8-110.3	Grano'd. 2½" QTZ. veinlet, 3% coarse PY.	1271			1.5	.01	
111.7-114.3	Grano'd. 4½" QTZ. veinlet, 3% coarse PY. in	1272			2.6	Tr.	
	bleached wall rock.						
116.0-118.0	Grano'd. 5⅛" QTZ. veinlet, with med. wall rock	1273			2.0	Tr.	
	Alt'n. 3% cube PY.						
118.0-119.0	Grano'd. A 5" glassy QTZ. vein, 2% PY.	1274			1.0	.02	
119.3-121.7	Grano'd. med. bleached Alt'n. 4½" QTZ. veinlet,	1275			2.4	Tr.	
	½% PY.						
121.7-122.9	Grano'd. 5½" QTZ. veinlets, strong Q.C. wall	1276			1.2	0.0333	
	rock. Alt'n. 5% coarse PY.						
122.9-123.7	Grano'd. med. bleached Alt'n. minor QTZ. minor PY	1277			.6	.01	
123.7-126.0	Grano'd. 4½" QTZ. veinlets strong bleached Alt'n.	1278			2.3	.01	
	3% coarse PY.						
126.0-128.?	Grano'd. Two 1" and three ⅛" QTZ. veinlets,	1279			2.2	.01	
	strong bleached Alt'n. 3% coarse PY.						

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 31 SHEET NO. 4

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
128.2-131.0	Grano'd. A 1" QTZ. veinlet, weak bleached Alt'n.	1280			2.8	Tr.	
	1% PY.						
131.0-132.8	Grano'd. 4½" QTZ. veinlet, strong bleached,	1281			1.8	Tr.	
	Alt'n. 3% coarse PY.						
132.8-134.2	Grano'd. 2½" and 2¼" QTZ. veinlets, 1% PY.	1282			1.4	Tr.	
135.8-136.8	Grano'd. A 1" QTZ. vein, strong bleached wall	1283			1.0	.05	
	rock Alt'n. 7% coarse PY.						
137.4-138.7	Grano'd. A 1" and 2½" QTZ. veinlets, 3% PY.	1284			1.3	.04	
138.7-140.0	Grano'd. Two 3" QTZ. veinlets at 60° to core,	1285			1.3	.02	
	with 3% coarse PY.						
140.0-141.5	Grano'd. A 1" and 2½" QTZ. veinlets, 2% coarse PY	1286			1.5	.02	
141.5-144.0	Grano'd. A 3" and 4½" QTZ. veinlets 1% PY.	1287			2.5	Tr.	
144.0-146.0	Grano'd. A ½" and ¾" QTZ. veinlet, 1% coarse PY.	1288			2.0	Tr.	
146.0-147.2	Grano'd. A 1" and 3½" QTZ. veinlets, 2% coarse	1289			1.2	.02	
	PY. strong bleached Alt'n.						
147.3-149.8	Grano'd. 5½" QTZ. veinlets 2% PY.	1290			2.5	Tr.	
151.7-153.3	Grano'd. A 5" and 3½" QTZ. veinlets, strong	1291			1.6	.01	
	bleached Alt'n. 3% coarse PY.						
153.3-155.2	Grano'd. Five ¼" QTZ. veinlets, 2% coarse PY.	1292			1.9	Tr.	
155.2-157.6	Grano'd. Three ¼" qtz. veinlets 1% PY.	1293			2.4	Tr.	
157.6-159.0	Grano'd. dark greyish, coarse grained two¼" QTZ.	1319			1.4	Tr.	
	veinlets.						

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 31 SHEET NO. 5

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
159.0-161.8	Grano'd. A 2" and five ¼" QTZ. veinlets at 60° to core, 1% PY.	1320			2.8	Tr.	
161.8-163.7	Grano'd. 30% QTZ. in veinlets, 5% coarse PY. looks good.	1321			1.9	Tr.	
163.7-165.0	Grano'd. Three ¼" QTZ. veinlets, 2% coarse PY.	1322			1.3	.03	
165.0-167.2	Grano'd. Two ¼" QTZ. veinlets, ½% PY.	1323			2.2	Tr.	
167.2-169.7	Grano'd. Three ¼" QTZ. veinlets 1% PY. ½ tourm.	1324			2.5	Tr.	
169.7-172.7	Grano'd. 10% QTZ. in ¼" veinlets, med. Q.C. wall rock Alt'n. 3% coarse PY.	1325			3.0	Tr.	
172.7-173.3	Grano'd. A 1" and Three ¼" QTZ. veinlets, 2% coarse PY.	1326			.6	.04	
173.3-174.1	Grano'd. A 2" QTZ. Carb. vein carries a speck of V.G. at 173.7. The wall rock has strong Q.C. Alt'n. and 3% PY.	1327			.8	.03	
174.1-175.5	Grano'd. strong Q.C. wall rock Alt'n. 7% coarse PY.	1328			1.4	.05	
175.5-176.6	Grano'd. A 6" QTZ. vein, 2% PY.	1329			1.1	.02	
176.6-179.5	Grano'd. Three ¼" QTZ. veinlets 1% coarse PY.	1330			2.9	Tr.	
179.5-181.0	Grano'd. Three ¼" QTZ. veinlets, med. Q.C. Alt'n. 5% coarse PY.	1331			1.5	.02	
181.0-182.9	Grano'd. dark greyish, coarse grained minor QTZ., minor PY.	1332			1.9	Tr.	

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WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 31 SHEET NO. 6

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
182.9-185.0	Grano'd. Three ½" QTZ. veinlets, at 60° to core	1333			2.1	.01	
	1% PY.						
185.0-188.4	Grano'd. dark greyish, minor QTZ. ½% PY.	1334			3.4	Tr.	
188.4-191.0	Grano'd. dark greyish, minor QTZ. minor PY.	1335			2.6	Tr.	
191.0-193.4	Grano'd. A 3" and a 2" and three ½" QTZ. veinlets	1336			2.4	.02	
	5% coarse PY. in wall rock.						
193.4-195.5	Grano'd. Two ¼" QTZ. veinlets ½% PY.	1337			2.1	Tr.	
195.5-198.0	Grano'd. dark greyish, three ¼" QTZ. veinlets	1338			2.5	Tr.	
	½% PY.						
198.0-198.7	Grano'd. A 3" glassy QTZ. vein. 1% PY. in wall	1339			.7	Tr.	
	rock.						
198.7-200.4	Grano'd. dark greyish, minor QTZ. ½% PY.	1340			1.7	Tr.	
200.4-201.4	Grano'd. 20% QTZ. in fractures. 3% coarse PY.	1341			1.0	.02	
	some reddish hematitic Q.C. Alt'n. looks good.						
201.4-202.4	Grano'd. strong Q.C. Alt'n. 10% QTZ. in numerous fractures, 3% PY.	1342			2.0	Tr.	
203.4-205.5	Grano'd. dark greyish, minor QTZ., minor PY.	1343			2.1	Tr.	
205.5-206.8	Grano'd. strong Q.C. Alt'n. hematitic 10% QTZ.	1344			1.3	.03	
	in fractures. 3% coarse PY. a speck of chalco.						
206.8-208.5	Grano'd. Two 1" QTZ. veinlet and two ¼". 2% PY.	1345			1.7	Tr.	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 31 SHEET NO. 7

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
208.5-210.0	Grano'd. Two 3" QTZ. veinlets, strong Q.C. Alt'n.	1346			1.5	Tr.	
	5% coarse PY. looks good.						
210.0-212.0	Grano'd. Two ½" QTZ. veinlets, 1% PY.	1347			2.0	Tr.	
212.0-214.0	Grano'd. Three ½" QTZ. veinlets 1% PY.	1348			2.0	Tr.	
216.7-217.6	Grano'd. 3/4" QTZ. veinlet with 50% massive PY,	1349			.9	Tr.	
	looks good.						
217.6-220.0	Grano'd. med. Q.C. Alt'n. Three ½ QTZ. veinlet	1350			2.4	Tr.	
	1% PY.						
220.0-221.0	Grano'd. 30% QTZ. in veinlets 5% coarse PY. looks	1351			1.0	.01	
	good.						
221.0-222.7	Grano'd. Two, three" QTZ. veinlets with some ½"	1352			1.7	Tr.	
	veinlets 2% PY.						
222.7-223.6	Grano'd. looks barren.	1353			.9	Tr.	
223.6-225.5	Grano'd. med. Q.C. Alt'n. Five ½" QTZ. veinlets,	1354			1.9	.02	
	5% PY.						
225.5-228.0	Grano'd. minor QTZ. minor PY.	1355			2.5	Tr.	
228.0-228.8	Grano'd. A 1" massive PY. vein, carries several	1356			.8	0.29	
	specks of V.G. in QTZ. on its edge at 228.4. The						
	veinlet of PY. runs at 60° to core axis.						
228.8-229.9	Grano'd. A 3" QTZ. veinlet in med. Q.C. wall rock	1357			1.1	.01	
	Alt'n.						

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 31 SHEET NO. 8

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
229.9-233.0	Grano'd. several ⅛" QTZ. veinlets, 2% coarse PY.	1358			3.1	.01	
233.0-234.0	Grano'd. Strong Q.C. Alt'n. 20% QTZ. 2% PY.	1359			1.0	Tr.	
234.5-237.0	Feldspar porphyry dyke. Four ⅛" QTZ. veinlets, 1% PY.	1360			2.5	Tr.	
240.0-242.0	Feldspar porphyry. Three ⅛" QTZ. veinlets ⅛% PY	1361			2.0	.02	
242.0-243.4	Feldspar porphyry 60% QTZ. in 2" veinlets, 2% coarse PY.	1362			1.4	.07	
243.4-246.3	Feldspar porphyry. 10% QTZ. in fractures. 2% coarse PY.	1363			2.9	Tr.	
234.5-246.3	Feldspar porphyry dyke. 30% coarse feldspar phenos. Well fractured with QTZ. veinlets and some PY.						
246.3-266.2	Grano'd. well fractured and filled with QTZ. veinlets, mineralized with coarse PY.						
246.3-248.7	Grano'd. strong Q.C. Alt'n. 20% QTZ. 5% coarse PY.	1364			2.4	.03	
248.7-250.5	Grano'd. strong Q.C. Alt'n. 15% QTZ. 5% coarse	1365			1.8	.01	
250.5-252.5	Grano'd. strong Q.C. Alt'n. 50%. 5% coarse PY. looks good.	1366			2.0	.02	
252.5-254.0	Grano'd. strong pink Q.C. Alt'n. 20% QTZ. 4% coarse PY.	1367			1.5	Tr.	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 31 SHEET NO. 9

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
254.0-256.0	Grano'd. A ¼" QTZ veinlet, ½% PY.	1368			2.0	Tr.	
256.0-258.0	Grano'd. med. Q.C. Alt'n. 10% QTZ. in veinlets,	1369			2.0	.06	
	5% PY.						
258.0-260.0	Grano'd. Three 2" QTZ. veinlets, at 60° to core,	1370			2.0	.02	
	2% coarse PY.						
260.0-261.6	Grano'd. Two ¼" QTZ. veinlets, 2% coarse PY.	1371			1.6	Tr.	
261.6-264.6	Grano'd. dark greyish, minor QTZ. minor PY.	1372			3.0	Tr.	
264.6-266.2	Grano'd. A 1" QTZ. veinlet ½% PY.	1373			1.6	Tr.	
263.2-273.0	The feldspar porphyry dyke, carries 30% coarse						
	feldspar phenos. (269.5 - 270.0 biotitic						
	lamprophyre dyke, cuts through the feldspar por-						
	phyry).						
273.0-275.2	Grano'd. A 1" and three ¼" QTZ. veinlets at	1374			2.2	Tr.	
	20° to core, 2% coarse PY.						
275.2-276.7	Grano'd. Two ¼" QTZ. veinlets, 1% PY.	1375			1.5	Tr.	
276.7-278.0	Grano'd. strong Q.C. Alt'n. 30% QTZ. in veinlets,	1376			1.3	.05	
	7% coarse PY. looks good.						
279.5-281.0	Grano'd. A 1" and Two ¼" QTZ. veinlets, 2% PY.	1377			1.5	.01	
282.0-283.0	Grano'd. Two ¼" QTZ. veinlets, 1% PY.	1378			1.0	.01	
284.3-285.8	Grano'd. A 1" QTZ. veinlet, ½% PY.	1379			1.5	Tr.	
273.0-285.8	Grano'd. med. to coarse grained n merous QTZ.						

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 31 SHEET NO. 10

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
	filled fractures at 60°to core, with some						
	coarse PY. in wall rock.						
285.8-292.5	Feldpar porphyry, dyke, 40% coarse feldspar						
	phenos in a biotite feldspar matrix.						
290.5-291.7	Feldspar porphyry. Three ¼" QTZ. veinlets, 1%	1380			1.2	Tr.	
	PY.						
292.0-294.7	Grano'd. A 1" and two ¼" QTZ. veinlet, 1% PY.	1381			2.7	.01	
294.7-297.0	Grano'd. Two ¼" QTZ. veinlets, minor PY.	1382			2.3	.01	
297.0-299.0	Grano'd. med. Q.C. alt'n. three ¼" QTZ.	1383			2.0	.01	
	veinlet, 2% PY.						
299.0-301.5	Grano'd. weak Q.C. alt'n. Two ¼" QTZ. veinlet,	1384			2.5	Tr.	
	½% PY.						
302.0-303.0	Grano'd. A 3" and three ¼" QTZ. veinlets, ½% PY.	1385			1.0	Tr.	
304.8-306.5	Grano'd. Three ¼" QTZ. veinlets, 1% PY.	1386			1.7	.02	
310.0-314.4	Grano'd. Two ¼" QTZ. veinlet, 2% PY.	1387			1.2	.02	
316.4-317.1	Grano'd. A ¼" QTZ. veinlet, 1% coarse PY.	1388			.7	Tr.	
318.0-318.5	Grano'd. A ¼" QTZ. veinlet with massive PY.	1389			.5	Tr.	
321.7-324.4	Grano'd. A 1" and two ¼" QTZ. veinlets, 2%	1390			2.7	Tr.	
	coarse PY.						
324.4-327.0	Grano'd. A 3" and a 1" QTZ. veinlet with some	1391			2.6	.03	
	coarse PY. and tourmaline.						

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WINDFALL OILS & MINES LTD.

HOLE NO. CO - 31 SHEET NO. 11

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au	
332.0- 332.9	Grano'd. A 3" QTZ. veinlet, 2% coarse PY. in wall rock.	1407			.9	Tr.	
333.3-335.1	Grano'd. Two ¼" QTZ. veinlet, minor PY.	1408			1.8	Tr.	
337.1-337.9	Grano'd. A 5" QTZ. vein at 70° to core, 2% coarse PY.	1409			.8	Tr.	
339.0-339.6	Grano'd. A ¼" QTZ. vein at 70° to core, 2% PY.	1410			.6	Tr.	
343.8-344.8	Grano'd. Two ¼" QTZ. veinlets, 2% coarse PY.	1411			1.0	Tr.	
346.4-347.7	Grano'd. Three ¼" QTZ. veinlets, with some coarse PY. in them.	1412			1.3	Tr.	
350.3-351.5	Grano'd. Two ¼" QTZ. veinlets, minor PY.	1413			1.2	Tr.	
353.4-355.3	Grano'd. A 3" QTZ. vein at 70° to core. Two ¼" QTZ. veins, 2% PY.	1414			1.9	Tr.	
356.4-357.0	Grano'd. ¼" QTZ. veinlet, minor PY.	1415			.6	Tr.	
359.2-360.0	Grano'd. A 3/4" QTZ. vein, minor PY.	1416			.8	Tr.	
360.8-367.0	Grano'd. Two ¼" veins at 70°, 3% PY. in wall rock alt'n.	1417			1.2	.03	
362.0-363.0	Grano'd. A ¼" QTZ. veinlet, minor PY.	1418			1.0	Tr.	
368.2-369.2	Grano'd. 30% QTZ. in veinlets at 70°, strong wall rock alt'n. with 3% PY, 1% PO. at 367.5, specks of altaite and galena in QTZ. Looks good	1419			1.0	.01	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO 80 - 31 SHEET NO. 12

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
373.8-375.0	Grano'd. A 2" QTZ. vein at 70° to core, med. wall rock, alt'n, 5% PY.	1420			1.2	Tr.	
377.0-377.6	Grano'd. Two ¼" QTZ. veinlets with some coarse PY.	1421			.6	Tr.	
379.5-380.3	Grano'd. A 3" QTZ. vein at 70° to core, with strong wall rock alt'n. that carries 2% PY, 1% PO. at 380.0. Three fine specks of V.G. at border of veinlet.	1422			.8	.08	
382.2-383.4	Grano'd. Med. Q.C. alt'n., four ¼" QTZ. veinlets med. Q.C. alt'n. 2% PY, 2% PO.	1423			1.2	Tr.	
383.4-385.2	Grano'd. Four ¼" QTZ. veinlets, 2% PY.	1424			1.8	Tr.	
382.8-387.4	Grano'd. A 1" and two ⅛" QTZ. veinlets at 70° to core, med. wall rock alt'n. 3% coarse PY.	1425			1.6	.01	
388.2-389.5	Grano'd. One 2" and two ⅛" QTZ. veinlets, med. wall rock alt'n. 2% PY. and 2% PO.	1426			1.3	1.3	
391.4-392.2	Grano'd. A 2" and a ⅛" QTZ. vein, 1% PY.	1427			.8	Tr.	
396.1-397.0	Grano'd. A 1" and a ⅛" QTZ. vein at 65° to core, 2% coarse PY.	1428			.9	.05	
398.0-398.5	Grano'd. A 2" QTZ. vein, 1% coarse PY.	1429			.5	Tr.	
401.2-401.7	Grano'd. A 1" QTZ. vein, 1% PY.	1430			.5	Tr.	
402.5-403.0	Grano'd. A ⅛" QTZ. vein, 1% PY.	1431			.5	Tr.	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 31 SHEET NO. 13

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
406.7-407.2	Grano'd. A ½" QTZ. vein, with strong Q.C. wall	1432			.5	.03	
	rock alt'n. 1% PY, 3% PO.						
409.1-409.9	Grano'd. A ½" and three 1/8" QTZ. veinlets, 1%	1433			.8	Tr.	
	PY.						
412.5-413.0	Grano'd. A ½" QTZ. vein, 1% PY.	1434			.5	Tr.	
419.8-420.6	Grano'd. A 4" QTZ. vein, with strong wall rock	1435			.8	.01	
	alt'n. 1% PY.						
420.6-421.6	Grano'd. A ½" QTZ. vein, with some massive PY	1436			1.0	.12	
	and PO.						
424.0-424.6	Grano'd. A 1" QTZ. vein that carries 3% PO. 1%	1450			.6	.09	
	PY. and traces of chalco, it carries two specks						
	of V.G. at 424.2. At the contact of the vein						
	which runs at 65° to core.						
429.0-429.6	Grano'd. A 3" QTZ. vein, carries some PY., PO.	1451				.03	
	and traces of chalco.						
437.6-438.2	Grano'd. Three ¼" QTZ. veinlets, 2% PO, 1% PY.	1452			.6	Tr.	
446.5-447.5	Grano'd. A 1" QTZ. veinlet at 60° to core,	1453			1.0	1.43	
	carries 30% massive PY, and numerous specks of						
	V.G. near the edge of the massive PY. in both						
	veins and wall rock, some altite with a coarse						
	speck of gold in the center.						

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 31 SHEET NO. 14

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
449.8-450.7	Grano'd. Two ½" QTZ. veins at 60° to core, minor PY.	1454			.9	Tr.	
451.5-453.0	Andesitic tuff, 20% QTZ. Carb. 2% PO. 1% PY.	1455			1.5	Tr.	
454.7-457.4	Grano'd. A 1" QTZ. vein at 60° to core, strong Q.C. wall rock alt'n. carries 5% PY.	1456			.7	.04	
462.5-463.0	Grano'd. A ½" QTZ. vein, with strong wall rock alt'n. that carries 5% PO. 2% PY. A speck of sphalerite in the QTZ. vein.	1457			.5	Tr.	
463.0-463.5	Grano'd. A ½" QTZ. vein, with med. Q.C. wall rock alt'n. that carries 2% PY.	1458			.5	.01	
465.4-466.0	Grano'd. A ½" QTZ. veinlet, med. Q.C. alt'n. 1% PY.	1459			.6	Tr.	
469.5-470.0	A 1" QTZ. veinlet at 60° to core, 1% PY.	1460			.5	Tr.	
473.0-473.5	Grano'd. Two ½" QTZ. veinlets, 3% coarse PY.	1461			.5	Tr.	
476.0-476.6	Grano'd. A ½" QTZ. vein, 1% PY.	1462			.6	Tr.	
480.5-481.1	Grano'd. A 1" QTZ. vein, med. wall rock alt'n. 1% coarse PY.	1463			.6	Tr.	
483.6-484.1	Grano'd. A ½" QTZ. vein, 1% PY.	1464			.5	.01	
489.0-489.8	Grano'd. A 1" QTZ. vein, strong Q.C. wall rock alt'n. 5% coarse PY.	1465			.8	.06	
496.5-497.0	Grano'd. A ½" QTZ. vein, 3% coarse PY.	1466			.5	.03	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 31 SHEET NO. 15

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
498.0-498.7	Grano'd. A 2" QTZ. vein with strong wall rock alt'n. 1% PY.	1467			.7	.10	
503.5-505.0	Grano'd. ½" and two 1/8" QTZ. veinlets, ½% PO. 1% PY.	1543			1.5	Tr.	
506.6-509.0	Grano'd. A ¾" and two ½" QTZ. veinlet to 55° to core, 1% PY.	1544			2.4	Tr.	
510.0-510.7	Grano'd. A 1" QTZ. vein with 2% coarse PY.	1545			0.7	.02	
511.8-515.0	Grano'd. Two ½" QTZ. veinlets, some wall rock alt'n. ½% PY.	1546			3.2	Tr.	
518.2-519.4	Grano'd. A 2" QTZ. vein with large cubes of PY. in wall rock and a speck of V.G. at 518.5.	1547			1.2	.07	
527.7-528.4	Grano'd. fault breccia with 30% QTZ. minor PY.	1548			0.7	.06	
531.3-532.0	Grano'd. A 1" QTZ. vein at 60° to core, 1% PY.	1549			0.7	.06	
292.5-528.0	Grano'd. medium to coarse grained, greyish with some QTZ. filled fractures at 60°- 70° to core.						
528.0-545.0	Grano'd. in part fault zone breccia with a breccia fault at 528.0 that runs at 30° to core and a chloritic black - line fault at 40° to core at 542.0 feet, vuggy breccia zone from 533.0 - 536.0 feet.						

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 31 SHEET NO. 16

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
545.0-567.0	Grano'd. greyish medium to coarse grained, massive except for a vuggy breccia zone from 557.0 to 559.0.						
545.0-548.0	Grano'd. several 1/8" QTZ. filled fractures.	1550			3.0	Tr.	
567.0-578.5	Tuff grano'd. contact at 567.0 is 10° to core and at 578.5 is at 70° to core. Tuff is dark-greenish andesitic composition with calcitic flecks and hairline fractures.						
578.5-591.0	Grano'd. medium QTZ. Carb. alt'n. 3% PY.						
591.0-598.0	Feldspar porphyry dyke with coarse feldspar and QTZ. phenocrysts and minor PY.						
586.4-588.0	Grano'd. strong Q.C. alt'n, pinkish, 3% coarse PY.	1551			1.6	.01	
588.0-589.8	Grano'd. strong pink Q.C. alt'n. with some narrow QTZ. veinlets at 70° to core, 5% coarse, cubed PY.	1552			1.8	.02	
589.8-591.0	Grano'd. minor Q.C. alt'n. 1% PY.	1553			2.2	.01	
598.0-610.0	Andesitic tuff, dark greyish with calcitic flecks						
610.0-	Grano'd. dark greyish, fine to med. grained, fractured with some QTZ. veinlets.						

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 31 SHEET NO. 17

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
620.5-621.5	Grano'd. A ¼" QTZ. Carb. veinlet with strong Q.C. wall rock alt'n. which carries 3% coarse PY.	1554			1.0	Tr.	
623.8-624.4	Grano'd. A ¼" QTZ. veinlet with streaks of massive PY.	1555			0.6	.03	
625.0-625.6	Grano'd. A 1" Q.C. veinlet at 70° to core, ½% PY.	1556			0.6	Tr.	
630.3-631.3	Grano'd. two ¼" QTZ. veinlets, 2% coarse PY.	1557			1.0	Tr.	
634.7-636.2	Grano'd. Two 2" QTZ. veinlets at 70° TO CORE 1% PY.	1558			1.5	Tr.	
637.0-637.6	Grano'd. A 1" and a ¼" QTZ. veinlet, minor PY.	1559			0.6	Tr.	
642.1-643.0	Grano'd. A 6" glassy QTZ. vein at 70° to core, some coarse, PY along borders.	1560			0.9	Tr.	
643.7-645.7	Grano'd. Three ⅛" QTZ. veinlets, with some coarse PY. in immediate wall rock.	1561			2.0	.03	
647.0-647.5	Grano'd. A ¼" QTZ. veinlet ½% PY.	1562			0.5	Tr.	
650.2-650.9	Grano'd. A 2" QTZ. vein with 3% PY. in wall rock	1563			0.7	Tr.	
653.2-653.9	Grano'd. A ¼" QTZ. vein, 2% PY.	1564			0.7	.01	
657.7-659.4	Grano'd. Two 2" QTZ. veins at 70° to core, 3% coarse PY.	1592			1.7	Tr.	
662.8-663.4	Grano'd. A ¼" QTZ. vein at 70° to core, ½% PY.	1593			2.6	.03	

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SIGNED .....

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 31 SHEET NO. 18

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au	
664.8-666.8	Grano'd. Three ¼" QTZ. veinlets, Two with massive PY.	1594			2.0	.014	
668.8-671.0	Grano'd. A 1" and two ¼" QTZ. veinlets, 1% PY, 1% PO.	1595			2.2	Tr.	
673.8-676.7	Grano'd. A 1" and three 1/8" QTZ. veinlets, 1% PY.	1596			2.9	Tr.	
683.0-685.0	Grano'd. Three ⅛" and three ¼" QTZ. veinlets banded at 70° to core, 1% PY.	1597			2.0	Tr.	
687.3-688.8	Grano'd. A 1" and three ⅛" QTZ. veinlets, 1% PY	1598			1.5	Tr.	
691.4-692.6	Grano'd. A 2" QTZ. vein and three ¼" QTZ. veins ½% PY.	1599			1.2	Tr.	
698.4-699.5	Grano'd. Three 1/8" QTZ. veinlets, 2% PY.	1600			1.1	Tr.	
	END OF HOLE AT 700.0						

DRILLED BY _____ SIGNED E J Kurylwin

HOLE No. 80 - 31

Footage	Dip	Bearing	Azim	Footage	Horiz	Vert.
Collar	-59°44'	N 84°47' E		0-100'	50.4	86.4
200'	-57°	S-89½°E	94½	100'-300'	108.9	167.7
400'	-51°	S-70½°E	114½	300'-500'	125.9	155.4
600'	-46°	S-69°E	113	500 - 700		

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

B-Q CORE

HOLE NO. 80 - 32 SHEET NO. 1

LATITUDE 12958.73 DATUM Stored in rack, Windfall STARTED Sept. 1, 1980

DEPARTURE 10186.32 BEARING S. 75° E. COMPLETED Sept. 4., 1980

ELEVATION 9899.88 DIP - 60° - 47½° ULTIMATE DEPTH 458.0

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au
0 - 36.0	Casing in overburden, clay.					
36.0-223.0	Grano'd. dark greyish, fine to med. grained, massive, almost no cross fracturing developed, only some rare irregular Carb. Stringers run along the core.					
42.3-43.4	Grano'd. an irregular Qtz. Carb. stringers along core 1/8" Qtz. veinlet, minor Py.	1637			1.1	.01
92.0-98.7	Grano'd. some irregular Qtz. Carb. veining along core, minor Py.	1638			1.7	Tr.
220.0-223.0	Grano'd. cut by a fault that is filled with Qtz. sericite, some weak Qtz. Carb. Alt'n. minor Qtz. minor PY.	1639			3.0	Tr.
223.0-224.0	Qtz. Sericite dyke, that crosses the core at 30°. This represents a fault zone, with minor Qtz. Carb. Alt'n. in grano'd.					
224.0-320.5	Grano'd. dark, greyish med. grained, massive fracturing is absent to rare, At 258.0' breccia fault runs at 70° to core. Some light bleached Alt'n. of wall rock.					
246.2-248.2	Grano'd. An irregular 3" Qtz vein runs at 30° to core, and a ½" Qtz. filled fracture vein	1640			5	

REGISTERED PROFESSIONAL ENGINEER C. J. KURYLIW PROVINCE OF ONTARIO

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 32 SHEET NO. 2

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
	runs at 70° to core. minor Py.						
257.3-259.3	Grano'd. bleached, minor Qtz. Carb. Alt'n. minor Py.	1641			2.0	tr.	
271.0-272.0	Grano'd. A ½" irregular Qtz. Carb. vein runs at 20° to core, minor Py.	1642			1.0	Tr.	
312.6-320.4	Grano'd. bleached vuggy, minor Qtz. Carb. Alt'n 1% Py.	1647			2.8	Tr.	
320.5-323.2	Feldspar porphyry dyke, sericitic in part. 20% coarse feldspar phenocripts.						
323.2-332.2	Grano'd. dark greyish med. grained, massive.						
332.2-345.0	Feldspar porphyry dyke. 30% coarse feldspar phenocrysts up to 5mm. diameter. Contacts at 60° to core.						
345.0-458.0	Grano'd. dark greyish, med. grained, massive, fractures are very rare.						
333.8-336.0	Feldspar porphyry. 5% Qtz. in fractures 2% Py.	1648			2.2	Tr.	
350.5-351.0	Grano'd. A ½" vein of massive Py. with Qtz. Traces of chalco.	1649			.5	.60	
364.2-364.7	Grano'd. A ½" glassy Qtz. veinlet, at 60° to core, minor Py.	1650			.5	.04	
371.2-372.2	Grano'd. Two 1/8" Qtz. veinlets at 50° to core. Minor Py.	1651			.5	.01	

DRILLED BY .....

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 32 SHEET NO. 3

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au
407.5-408.0	Grano'd. A 2" glassy Qtz. vein, with contacts	1652			.5	.03
	at 70° to core, minor Py.					
417.5-418.0	Grano'd. A ¼" glassy Qtz. veinlet with tourmalin	1653			.5	Tr.
	runs at 45° to core.					
457.0-457.7	Grano'd. A 5" glassy Qtz. vein at 70° to core,	1654			.7	Tr.
	Minor Py.					
	END OF HOLE AT 458.0					

Footage	Dip	Bearing	Azim
Collar			
200'	66°?	N - 127° - E	126 ?
400'	47½°	N - 111° - E	115°

DRILLED BY _____

SIGNED E. J. Kingston

HOLE 80 - 32

Footage	Dip.	Bearing	Azim.	Footage	Horiz.	Vert.
Collar				0-100'		
200'	-66°?	N-122°-E	126 ?	100'-300'		
400'	-47½°	N-111° - E	115°	300'-458'		

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

BQ Core

HOLE NO. 80 - 33 SHEET NO. 1

LATITUDE 13058.66 DATUM Stonehouse Jack, Windfall STARTED

DEPARTURE 10184.00 BEARING S 68° 53' E COMPLETED Sept. 7, 1980

ELEVATION 9899.69 DIP -56° 59' ULTIMATE DEPTH 74.0'

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au
0 - 24.0	Casing in clay overburden.					
24.0-74.0	Grano'd. greyish, med. to coarse, grained, fractured, with Qtz. filling the fractures at 60° to core, Some cube Py. mineralization in wall rock of Qtz. fractures.					
	NOTE: This hole was abandoned at 74.0' because the bit, shell and core barrel were burned into the rock.					
25.0-26.0	Grano'd. A 1" and a ½" Qtz. veinlet, with med. Q.C. alt'n. 3% cube Py.	1709			1.0	.02
28.3-29.0	Grano'd. A 1" Qtz. vein with 1% Py.	1710			.7	Tr.
29.5-31.0	Grano'd. A 1" and two ½" Qtz. veinlets with med. Q.C. alt'n. 4% coarse Py.	1711			1.5	.09
36.1-37.2	Grano'd. A 1" Qtz. vein, med. Q.C. wall rock alt'n. 3% Py.	1712			1.1	.02
42.6-44.4	Grano'd. Two ½" Qtz. veinlets, med. Q.C. alt'n 1% Py.	1713			1.8	Tr.
47.4-48.0	Grano'd. A 1" Qtz. vein, at 70° to core, ½% Py.	1714			.6	Tr.
49.5-51.0	Grano'd. Three 1" Qtz. veinlets, 1% Py.	1715			1.5	Tr.
61.0-61.7	Grano'd. A 1" Qtz. vein at 60° to core, minor Py.	1716			.7	.02

DRILLED BY [illegible] Drilling Co.

SIGNED C. J. KURYLIW

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 33 SHEET NO. 2

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
64.0-65.2	Grano'd. A 7" Qtz. vein, glassy, 3% coarse Py.	1717			1.2	.03	
	in strong Q.C. wall rock alt'n.						
69.5-70.0	Grano'd. A ½" Qtz. vein, minor Py.	1718			.5	.04	
	END OF HOLE at 74.0						
	This hole is being redrilled at 63° to avoid the						
	bit, shell and core barrel abstruction.						

DRILLED BY _____ SIGNED C. A. Kerr

HOLE 80 - 33

Dip	Bearing	Footage
- 57°	S - 67°E	0 -74'

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

B.Q CORE

HOLE NO. 80 - 33 SHEET NO. 1

LATITUDE 13058.71 DATUM Standard grad. Windfall STARTED Sept. 8, 1980

DEPARTURE 10183.76 BEARING S 63° 02' E COMPLETED Sept. 18, 1980

ELEVATION 9899.71 DIP -62° 29' ULTIMATE DEPTH 488.'

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au
0 - 23.0	Casing in clay overburden.					
24.5-25.3	Grano'd. strong Q.C. alt'n. with 7% coarse cubes Py. A 1" Qtz. vein at 50° to core, carries 20% magnetite.	1782			.8	Tr.
25.3-26.3	Grano'd. A 3" and a ½" glassy Qtz. vein at 60° to the core. 7% coarse cubes of Py. in strong Q.C. wall rock alt'n.	1783			1.0	.02
28.6-29.8	Grano'd. A 2" Qtz. vein, 1% Py, 1% PO.	1784			1.2	.01
29.8-31.5	Grano'd. Two 1" and one ½" Qtz. vein with 3% PO. and 2% Py.	1785			1.7	.06
36.3-37.7	Grano'd. A 1" Qtz. Carb. vein with 3% magnetite, 7% coarse cubes of Py. in strong Q.C. wall rock alt'n.	1786			1.4	.01
43.0-44.8	Grano'd. A 1" and a ¼" Qtz. veinlet, 2% Py. 1% PO.	1787			1.8	Tr.
48.3-50.1	Grano'd. Two 1" Qtz. veins, 2% Py. Trace chalco.	1788			1.8	Tr.
50.7-51.7	Grano'd. Two 1" Qtz. veins at 50° to core, 2% Py. Traces of chalco Py.	1789			1.0	Tr.
58.6-59.6	Grano'd. Strong Q.C. wall rock alt'n., 3% Py.	1790			1.0	Tr.
61.7-62.2	Grano'd. A ½" Qtz. vein, 2% Py.	1791			.5	Tr.
65.0-66.0	Grano'd. A 7" Qtz. vein, glassy, at 30° to core, 1% Py.	1792			.0	1.79

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 33A SHEET NO. 2

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au
70.5-71.0	Grano'd. A ½" Qtz. vein, minor Py.	1793			.5	.01
75.7-76.2	Grano'd. Two ½" Qtz. veinlets, 1% Py.	1794			.5	.01
92.5-94.0	Grano'd. An 8" Qtz. vein with come large cubes	1795			1.5	Tr.
	of Py. in vein.					
98.0-99.4	Grano'd. Two 1" Qtz. veins with strong Q.C.	1796			1.4	.01
	wall rock alt'n. 3% Py.					
106.5-107.0	Grano'd. A ½" Qtz. vein at 70° to core, 1% Py.	1797			.5	.01
110.4-111.0	Grano'd. A ½" Qtz. vein, 2% Py. 1% PO. and trace	1798			.6	Tr.
	of chalco in vein.					
115.0-115.8	Grano'd. Two ½" Qtz. veinlets, one veinlet at	1799			.8	.82
	115.5 carries massive Py. with several fine					
	specks of V.G.					
116.6-117.7	Grano'd. Two ½" Qtz. veinlets, 2% Py.	1800			1.1	.01
117.7-119.6	Grano'd. A 1" and a ½" Qtz. veinlet, at 60° to	1801			1.9	Tr.
	core, 1% Py.					
120.8-121.6	Grano'd. A 1" Qtz. vein with med. wall rock	1802			.8	Tr.
	alt'n., 1% Py.					
123.0-123.9	Grano'd. A 2" Qtz. vein, with med. wall rock	1803			.9	Tr.
	alt'n., 2% Py.					
127.5-128.9	Grano'd. Four ½" Qtz. veinlets, 1% Py.	1804			1.4	Tr.
130.4-132.0	Grano'd. Several 1/8" Qtz. veinlets, 1% Py.	1805			1.6	Tr.

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80-33A SHEET NO. 3

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
135.0-136.0	Grano'd. Two ½" Qtz. veinlets, 2% Py.	1806			1.0	Tr.	
136.0-137.2	Grano'd. A 5" massive Py. vein at 60° to core,	1807			1.2	6.25	
	carries several fine specks of V.G. in Qtz.						
	boardering the Py. and also in hairline Qtz.						
	filled fractures in the Py. V.G. at 136.7						
137.2-138.7	Grano'd. Three ½" Qtz. veinlets, 2% Py.	1808			1.5	.01	
138.7-140.3	Grano'd. Four ½" Qtz. veinlets, 3% dissem. Py.	1809			1.6	Tr.	
	looks good.						
142.0-142.8	Grano'd. A ½" Qtz. vein, with med. Q.C. wall	1810			.8	Tr.	
	rock alt'n. 3% Py.						
146.8-147.3	Grano'd. Three ½" Qtz. veinlets, 5% Py.	1811			.5	Tr.	
150.3-151.1	Grano'd. A ½" Qtz. vein at 50° to core carries	1812			.8	.63	
	4% coarse Py. and several specks of V.G. along						
	its border at 150.5'.						
151.1-154.0	Grano'd. Two 1" and two ½" Qtz. veinlets with	1813			2.9	.07	
	med. W.C. wall rock alt'n. that carries 3%						
	coarse Py.						
158.5-159.5	Grano'd. A 1" Qtz. veinlet, with strong Q.C.	1814			1.0	Tr.	
	wall rock alt'n. 3% Py.						
159.5-160.7	Grano'd. An 8" glassy Qtz. vein with large	1815			1.2	.04	
	cubes of Py.						

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80-33A SHEET NO. 4

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au
160.7-163.0	Grano'd., minor Qtz. minor Py. Looks barren.	1816			2.3	Tr.
163.0-163.8	Grano'd. A 3" Qtz. vein with 4% massive Py.	1817			.8	12.63
	Traces of chalco and sphalerite, and at least					
	30 specks of V.G. along the edge of the vein					
	at 163.4. The vein runs at 60° to core axis					
167.0-168.0	Grano'd. Two ¼" Qtz. Carb. veinlets that carry	1818			1.0	Tr.
	5% Py.					
173.5-174.5	Grano'd. Two 1" Qtz. veinlets, 3% Py. Traces of	1819			1.0	.02
	sphalerite.					
174.5-175.4	Grano'd. A 3" Qtz. vein, 2% Py.	1820			.9	.03
175.4-176.8	Grano'd. Six ¼" Qtz. veinlets, 2% coarse Py.	1821			1.4	.12
182.0-183.0	Grano'd. A 2" and a 1" Qtz. veinlet at 60° to	1822			1.0	2.24
	core, the 1" Qtz. veinlet at 182.3 heavely					
	mineralized with dark brown sphalerite and					
	galena and 30% massive Py. It also carries a					
	coarse speck of V.G. assay for gold and silver.					
183.0-183.9	Grano'd. Three 1/8" Qtz. stringers, 1% Py.	1823			.9	Tr.
183.9-185.2	Grano'd. A 1" and three ¼" Qtz. veinlets, with	1824			1.3	.14
	strong Q.C. wall rock alt'n., 5% coarse Py. The					
	1" vein at 184.2 carries several specks of V.G.					
	next to a large grain of chalco.					

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80-33A SHEET NO. 5

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
185.2-185.7	Grano'd. minor Qtz. minor Py.	1825			.5	Tr.	
185.7-187.3	Grano'd. Several ¼" Qtz. veinlets with strong	1826			1.6	.01	
	Q.C. wall rock alt'n. 5% Py.						
23.0-115.0	Grano'd. med. to coarse grained, greyish. with						
	a number of Qtz. filled fractures that run at						
	50° to 70° to core axis. From 115.0 - (180.0) the						
	Qtz. veins are often mineralized heavily with						
	Py. and in some cases sphalerite, galena and						
	chalco Py. Associated with the base metal						
	mineralization are several veins that carry V.G.						
188.2-190.4	Grano'd. Two ¼" Qtz. veinlets, minor Py.	1827			1.7	Tr.	
193.5-195.9	Grano'd. Three ¼" Qtz. veinlets, 1% Py.	1828			2.4	Tr.	
195.9-197.5	Grano'd. A 1" Qtz. vein, with two ¼" Qtz. veins,	1829			1.6	.07	
	2% coarse Py.						
198.2-199.2	Grano'd. A 1" Qtz. vein, 2% coarse Py.	1830			1.0	Tr.	
205.5-207.7	Grano'd. Three ¼" Qtz. veinlets, 2% coarse Py.	1831			2.2	Tr.	
	near veins.						
209.3-209.9	Grano'd. Two ¼" Qtz. veinlets, 2% Py.	1832			.6	Tr.	
212.0-213.0	Grano'd. strong Q.C. alt'n., 5% Py.	1833			1.0	Tr.	
213.0-214.1	Grano'd. minor Q.C. alt'n. 1% Py.	1834			1.1	.01	
214.1-215.2	Grano'd. A 2" Qtz. vein with 7% coarse Py.	1835			1.1	.04	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 33A SHEET NO. 6

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
215.2-217.2	Grano'd. Three ½" Qtz. veins at 65° to core, 2% coarse Py.	1836			2.0	.02	
217.2-218.4	Grano'd. Three ½" Qtz. veinlets, 2% coarse Py.	1837			1.2	Tr.	
218.4-219.7	Grano'd. minor Qtz. minor Py.	1838			1.3	Tr.	
219.7-220.9	Grano'd. A 2" and three ½" Qtz. veinlets, 4% coarse Py.	1839			1.2	.02	
222.4-223.9	Grano'd. A 1" and three ½" Qtz. veinlets, 3% coarse Py.	1840			1.5	Tr.	
223.9-225.3	Grano'd. A 1" and a ½" Qtz. veinlet, 1% Py.	1841			1.4	Tr.	
227.5-229.6	Grano'd. A fault breccia zone with weak Q.C. alt'n. 2% Py.	1842			2.1	Tr.	
231.0-231.8	Grano'd. A 2" Qtz. veinlet, 1% Py.	1843			.8	Tr.	
231.8-232.7	Grano'd. A 10" glassy Qtz. vein at 60° to core, 2% Py. in wall rock, two specks of V.G. at 232.5' in a narrow pyritic fracture in the vein wall rock.	1844			.9	.09	
232.7-234.4	Grano'd. dark, greyish, minor Qtz. minor Py.	1845			1.7	Tr.	
234.4-238.2	Grano'd. A 1" Qtz. vein at 60° to core, 4% coarse Py.	1846			.8	Tr.	
235.2-237.4	Grano'd. minor Qtz. minor Py.	1847			2.2	Tr.	
237.4-238.	Grano'd. Four ½" Qtz. veins, 3% Py.	1848			1.5	Tr.	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 33A SHEET NO. 8

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
115.0-185.0	Grano'd. med. to coarse grained, well fractured,						
	and filled with Qtz. veinlets, the veinlets						
	carry coarse Py. and several sections, carry						
	V.G. usually associated, with traces of base						
	metal, sulphides, chalco Py. sphalerite, and						
	galena.						
185.0-259.5	Grano'd. med. to coarse grained greyish, well						
	fractured, with numerous Qtz. veins and pyritic						
	mineralization, largely in Qtz. carbonitized						
	wall rock. The fractures run at 60° to 75° to core,						
	no base metal sulphites were recognized and V.G.						
	is rare.						
259.5-263.0	Feldspar porphyry dyke with contacts at 50° to						
	core.						
263.0-265.5	Grano'd..						
265.5-266.5	Feldspar porphyry dyke.						
266.5-	Grano'd. dark greyish to greenish grey, med. to						
	coarse grained with Qtz. filled fractures and						
	some Py.mineralization in Qtz. carbonitized						
	wall rock.						

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 33A SHEET NO. 9

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
269.3-270.2	Grano'd. A 5" glassy Qtz. vein at 60° to core, ½% Py.	1881			.9	Tr.	
270.2-272.9	Grano'd. Two ¼" Qtz. veinlets, 1 % Py.	1882			2.7	Tr.	
273.0-273.8	Grano'd. A 1" Qtz. Carb. vein, minor Py.	1883			.8	Tr.	
276.0-276.5	Grano'd. Three ⅛" Qtz. veinlets, 2% Py.	1884			.5	Tr.	
283.5-286.0	Grano'd. An 8" and a 2" glassy Qtz. vein, 2% coarse Py.	1885			2.5	Tr.	
286.0-288.7	Grano'd. Five ¼" Qtz. veinlets, 1% Py.	1886			2.7	Tr.	
292.0-292.9	Grano'd. A ½" and a ¼" Qtz. veinlets, 2% coarse Py.	1887			.9	Tr.	
296.0-297.5	Grano'd. One 2" and three ½" Qtz. veinlets, 3% Py.	1888			1.5	.01	
298.8-299.3	Grano'd. A 1" Qtz. vein and a ¼" massive Py. vein at 70° to core.	1889			.5	.05	
299.3-301.3	Grano'd. Four ¼" Qtz. veinlets, 2% Py.	1890			2.0	Tr.	
301.3-303.3	Grano'd. An 8" and a 2" glassy Qtz. vein at 70° to core, 2% coarse Py.	1891			2.0	.01	
306.0-307.0	Grano'd. Strong Q.C. alt'n. 3% large Py. cubes up to ½" square.	1892			1.0	Tr.	
307.5-309.5	Grano'd. Six ¼" Qtz. veinlets at 70° to core, 2% Py.	1893			2.0	Tr.	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 -33A SHEET NO. 10

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
311.0-311.9	Grano'd. Two ¼" Qtz. veinlets, 3% coarse Py.	1894			.9	.01	
313.0-314.5	Grano'd. A 6" glassy Qtz. veinlet, 1% Py.	1895			1.5	.01	
318.0-320.3	Grano'd. Four ¼" Qtz. veinlets, 2% Py.	1896			2.3	Tr.	
323.0-325.4	Grano'd. Four ¼" Qtz. veinlets, 3% coarse Py.	1897			2.4	Tr.	
326.5-328.0	Grano'd. A 3" and a 2" Qtz. vein at 60° to the core, 2% Py.	1898			1.5	Tr.	
328.4-329.7	Grano'd. Two 1" and three ¼" Qtz. veinlets, med. Q.C. wall rock alt'n, 2% Py.	1899			1.3	.05	
330.3-332.0	Grano'd. A ½" and a ¼" Qtz. veinlet, 2% Py. One fine speck of galena in the vein at 330.7	1900			1.7	.01	
335.0-337.3	Grano'd. A 2" and four ¼" Qtz. veinlets, weak Q.C. alt'n. 2% Py. 1% PO. A speck of galena in Qtz. at 336.5	1901			2.3	Tr.	
339.2-340.6	Grano'd. Two 2" Qtz. veins, with med. Q.C. wall rock alt'n. 3% coarse Py. in wall rock, some black tourmaline.	1902			1.4	Tr.	
341.8-343.2	Grano'd. Five ¼" Qtz. veinlets at 70° to core, med. green Q.C. wall rock alt'n, 2% Py.	1903			1.4	Tr.	
344.0-345.5	Grano'd. A 1" and two ¼" Qtz. veinlets, 1% Py.	1904			1.5	Tr.	
345.5-346.3	Grano'd. Three ¼" Qtz. veinlets, with heavey black tourmaline, minor Py.	1905			.8	Tr.	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 33A SHEET NO. 11

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
347.0-348.0	Grano'd. A 2" and a ⅛" Qtz. veinlet, with two	1906			1.0	.02	
	chloritic faults that run at 60° to the core.						
348.0-349.0	Grano'd. A 3" Qtz. Carb. vein with med. Q.C.	1907			1.0	.02	
	wall rock alt'n. 3% Py.						
349.6-352.5	Grano'd. Four ¼" Qtz. veinlets. 1% Py.	1908			2.9	Tr.	
352.5-354.2	Grano'd. Strong Q.C. alt'n. 20% Qtz. 2% Py. and	1909			1.7	.03	
	black tourmaline.						
354.2-355.8	Grano'd. Three ⅛" Qtz. veinlets, minor Py.	1910			1.6	.03	
355.8-357.0	Grano'd. A four" and two ⅛" Qtz. veinlets, 3%	1911			1.2	.01	
	coarse Py.						
358.7-360.6	Grano'd. A 5" and a 3" Qtz. veins at 60° to core,	1912			1.9	Tr.	
	1% Py.						
362.3-363.7	Grano'd. Four ⅛" Qtz. veinlets, 1% Py.	1913			1.4	Tr.	
364.0-365.0	Grano'd. Two ⅛" Qtz. veinlets, minor Q.C. alt'n.	1919			1.0	.02	
	1% Py.						
365.0-366.0	Grano'd. A ¼" vein of massive Py. and a 3" Qtz.	1920			1.0	.10	
	vein each at 60° to the core.						
366.0-369.3	Grano'd. Five ⅛" Qtz. veinlets, 1% Py.	1921			3.3	.01	
369.3-370.7	Grano'd. A 5" and two ⅛" Qtz. veinlets, 2% Py.	1922			1.4	.01	
370.7-373.3	Grano'd. dark greyish, three ¼" Qtz. veinlets,	1923			2.6	Tr.	
	minor Py.						

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 33A SHEET NO. 12

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
373.3-374.6	Grano'd. Three ½" Qtz. veinlets, med. Q.C. alt'n	1924			1.3	Tr.	
	2% Py.						
378.3-379.7	Grano'd. Two ½" Qtz. veinlets, minor Py.	1925			1.4	.01	
399.7-381.0	Grano'd. A 3" and a two 1" Qtz. veinlets, med.	1926			1.3	.01	
	Q.C. alt'n. 2% Py.						
382.3-383.3	Grano'd. Two ½" Qtz. veinlets, med. Q.C. alt'n.	1927			1.0	Tr.	
	3% Py.						
386.6-388.0	Grano'd. A 4" and a 1" Qtz. veinlets, 1% Py.	1928			1.4	Tr.	
389.7-391.7	Grano'd. Three ½" Q.C. veinlets, 2% Py.	1929			2.0	Tr.	
392.7-394.4	Grano'd. Two 1" Qtz. veinlets, 2% Py.	1930			1.7	Tr.	
396.7-398.0	Grano'd. A 1" and two ½" Qtz. veinlets, 2% Py.	1931			1.3	Tr.	
398.9-399.5	Grano'd. A ½" Qtz. veinlet, with 50% massive Py.	1932			.6	.04	
	in veinlet, and a trace of galena.						
401.2-401.8	Grano'd. A ½" Qtz. veinler, 1% Py.	1933			.6	Tr.	
403.0-403.8	Grano'd. A 1" and two ¼" Qtz. veinlets, med.	1937			.8	Tr.	
	Q.C. alt'n. 4% Py.						
408.2-409.2	Grano'd. A 1" and a ½" Qtz. veinlets, med. Q.C.						
	alt'n. 2% Py.	1938			1.0	Tr.	
409.2-410.2	Grano'd. A ½" Qtz. vein, at 409.9, carries 2%	1939			1.0	.08	
	galena, 1% Py. and a speck of V.G.						

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 33A SHEET NO. 13

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au	
410.2-411.4	Grano'd. Two 1/8" Qtz. veinlets, minor Py.	1940			1.2	Tr.	
415.5-416.4	Grano'd. A ⅜" and two ¼" Qtz. veinlets with me.	1941			.9	Tr.	
	Q.C. wall rock alt'n. 2% Py. 1% PO. traces of						
	galena and one fine speck of V.G. at 416.1.						
417.4-418.8	Grano'd. A ¼" Qtz. veinlet med. Q.C. alt'n.	1942			1.4	Tr.	
	2% Py.						
418.8-419.9	Grano'd. A 3/4" and two ½" Qtz. veinlets, med.	1943			1.1	Tr.	
	Q.C. alt'n. 1% Py. minor galena.						
421.5-422.8	Grano'd. A ⅜" and three 1/8" Qtz. veinlets with	1944			1.3	.45	
	coarse streaks of Py. at 50° to core and Qtz.						
	veinlets at 60° to core. A patch of coarse V.G.						
	at 422.3, a coarse patch of V.G. at the inter-						
	section of a pyritic and a Qtz. veinlet, several						
	specks of galena.						
423.4-423.9	Grano'd. A 1/8" pyritic veinlet.	1945			.5	Tr.	
428.9-430.6	Grano'd. Strong Q.C. alt'n. A 1" Qtz. veinlet	1946			1.7	.09	
	and 7% coarse Py. cubes.						
434.3-434.9	Grano'd. A 1/8" pyritic Qtz. veinlet at 30° to	1947			.6	Tr.	
	core.						
438.8-439.8	Grano'd. Two 1/8" pyritic Qtz. veinlets at 40° to	1948			1.0	Tr.	
	core.						

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SIGNED E.J.K

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 33A SHEET NO. 14

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
451.0-452.0	Grano'd A 1" and a ½" Qtz. veinlet, 1% Py.	1949			1.0	Tr.	
462.0-463.3	Grano'd. A 5" and a ½" Qtz. veinlet, at 70° to	1973			1.3	Tr.	
	core, minor Py.						
469.2-469.7	Grano'd. A ½" Qtz. vein, 1% Py.	1974			.5	.02	
473.0-473.7	Grano'd. A 5" glassy Qtz. vein at 70° to core,	1975			.7	.05	
	1% Py.						
480.0-480.7	Grano'd. A ½" Q.C. veinlet with med. Q.C. wall	1976			.7	.01	
	rock alt'n. 3% coarse Py.						
483.3-484.0	Grano'd. A ½" Q.C. veinlet with strong Q.C.	1977			.7	.03	
	wall rock alt'n. 5% coarse Py.						
	END OF HOLE AT 488.0						

DRILLED BY _____

SIGNED E. J. Humphreys

HOLE 80 - 33 A

Tro Pari Tests

Footage	Dip	Bearing	Azim.	Footage	Horiz.	Vert.
Collar	-62½°	S-63°E		0-100'		
200'	-59°	S-74°E	118°	100' 300'		
400'	-58°	S-70°E	114°	300'-488'		

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

BQ CORE

HOLE NO. 80 - 34 SHEET NO. 1

LATITUDE 13055.73 DATUM Stored in core rack, Windfall STARTED Sept. 19, 1980

DEPARTURE 10232.90 BEARING S 69° 27' E COMPLETED Sept. 25, 1980

ELEVATION 9899.10 DIP -64° 22' ULTIMATE DEPTH 448.0'

DEPTH FEET.	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
0 - 23.0	Overburden.						
23.0-42.0	Grano'd. greyish, med. to coarse. grained, frac-						
	tures are rare.						
42.0-	Grano'd. med. to coarse grained, well developed						
	fracturing with numerous Qtz filled veins that						
	carry pyritic mineralization.						
37.2-37.7	Grano'd. A ¼" Qtz. veinlet at 60° to core, 1% Py.	2012			.5	Tr.	
42.5-44.2	Grano'd. Several ½" Qtz. veinlets, mod. Q.C.	2013			.7	Tr.	
	alt'n. 2% Py.						
45.0-46.5	Grano'd. A 10" glassy Qtz. vein at 60° to core,	2014			1.5	Tr.	
	1% Py. in wall rock.						
54.5-56.0	Grano'd. A 2" and two ½" Qtz. veinlets, 3% Py.	2015			1.5	.23	
52.0-52.7	Grano'd. A ½" Qtz. vein, 2% Py.	2016			.7	.02	
58.5-60.6	Grano'd. Four ½" Qtz. veinlets and one 1/8"	2017			2.1	Tr.	
	veinlet of massive Py. cut at 60° to core.						
61.8-62.7	Grano'd. Three ½" Qtz. veinlets,1% Py.	2018			.7	Tr.	
63.4-65.4	Grano'd. A 1" and two ½" Qtz. veinlets, 1% Py.	2019			2.0	Tr.	
66.3-67.2	Grano'd. strong Q.C. alt'n. 5% coarse Py.	2020			.9	.01	
67.2-69.3	Grano'd. Two ½" Qtz. veinlets, med. Q.C. alt'n	2021			.6	Tr.	
	1% Py.						

REGISTERED PROFESSIONAL ENGINEER R. C. J. KURYLUK PROVINCE OF ONTARIO

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 34 SHEET NO. 2

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
71.0-72.5	Grano'd. strong Q.C. alt'n. several ¼" Qtz.	2022			1.5	Tr.	
	veinlets, 5% coarse Py.						
72.5-74.5	Grano'd. Three ¼" Qtz. veinlets, med. Q.C. alt'n.	2023			2.0	Tr.	
	3% Py.						
75.0-75.7	Grano'd. A 5" Qtz. veinlet, glassy, 1% Py. in	2024			.7	Tr.	
	wall rock.						
77.2-78.4	Grano'd. Four ¼" Qtz. veinlets, One fine speck	2025			1.2	.10	
	of galena, 2% Py.						
79.3-80.3	Grano'd. A 1" and a ½" Qtz. veinlets, 2% Py.	2026			1.0	Tr.	
80.3-82.0	Grano'd. Three ½" Qtz. veinlets, 2% Py. 1% PO.	2027			1.7	Tr.	
86.2-87.9	Grano'd. A 2" Qtz. veinlet at 60° to core, 2% Py.	2028			1.7	.05	
	and a speck of chalco.						
87.9-88.9	Grano'd. Two 3" and two ½" Qtz. veinlets at 60°	2029			1.0	Tr.	
	to core. Strong Q.C. wall rock alt'n. 4% coarse						
	Py. in wall rock.						
88.9-90.0	Grano'd. 60% Qtz. in veinlets with light greenish	2030			1.1	Tr.	
	Q.C. wall rock alt'n. 7% Py. looks good.						
90.0-90.9	Grano'd. Three ½" Qtz. veinlets, 1% Py.	2031			.9	.01	
92.0-93.0	Grano'd. A 3" Qtz. veinlet with 3% coarse Py.	2032			1.0	.02	
93.4-95.2	Grano'd. A 3" and a 2" Qtz. veinlet. med. Q.C.	2033			1.8	Tr.	
	wall rock alt'n. 5% dissim. Py.						

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WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 34 SHEET NO. 3

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
95.6-98.3	Grano'd. Four ¼" Qtz. veinlets, 5% coarse Py.	2034			2.7	Tr.	
98.9-99.8	Grano'd. A 2" Qtz. vein at 60° to core with stron	2035			.9	.13	
	Q.C. wall rock alt'n. 5% coarse Py. and a fine						
	speck of V.G. at 99.3.						
101.5-103.2	Grano'd. Three ¼" Qtz. veinlet, some Q.C. wall	2036			1.7	Tr.	
	rock alt'n. 2% Py.						
104.8-105.8	Grano'd. A 2" Qtz. vein with med. Q.C. wall rock	2037			1.0	Tr,	
	alt'n. 4% Py. in wall rock.						
107.2-108.4	Grano'd. A 1" and a ½" Qtz. veinlet, med. Q.C.	2038			1.2	.06	
	alt'n. 4% coarse Py.						
108.8-110.6	Grano'd. Five ½" Qtz. veinlets, 3% Py.	2039			1.8	Tr.	
110.6-111.8	Grano'd. An 8" Qtz. veinlet, 7% coarse Py. looks	2040			1.2	.03	
	good.						
111.8-113.1	Grano'd. Several 1/8" Qtz. veinlets, 2% Py.	2041			1.3	Tr.	
114.0-116.0	Grano'd. A 5" and three ½" Qtz. veinlets, 4%	2042			2.0	.02	
	coarse Py.						
116.0-117.0	Grano'd. A ½" Qtz. veinlet, 2% Py.	2043			1.0	Tr.	
118.4-119.6	Grano'd. Three ½" Qtz. veinlets, 3% coarse Py.	2044			1.2	Tr.	
120.0-121.3	Grano'd. 30% Qtz. in veinlets, 2% Py.	2045			1.3	Tr.	
122.5-123.0	Grano'd. A ½" Qtz. veinlet, ½% Py.	2046			.5	Tr.	
124.0-126.0	Grano'd. Five ½" Qtz. veinlets, 2% Py.	2047			2.0	Tr.	

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WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 34 SHEET NO. 4

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au	
127.0-128.3	Grano'd. Three ⅛" Qtz. veinlets with black	2048			1.3	Tr.	
	chlorite - tourmaline, 2% Py.						
130.5-131.0	Grano'd. A 1" Qtz. vein with 3% Py.	2049			.5	.02	
132.0-133.0	Grano'd. A 1" and three ⅛" Qtz. veinlets, 2% Py.	2050			1.0	.02	
133.0-134.0	Grano'd. Three ⅛" Qtz. veinlets, minor Py.	2051			1.0	.01	
135.0-136.0	Grano'd. Two ⅛" Qtz. veinlets, 1% Py.	2052			1.0	Tr.	
139.0-140.3	Grano'd. A 6" and a 1" glassy Qtz. vein, 1% Py.	2053			1.3	.01	
142.0-142.8	Grano'd. A ½" Qtz. vein ½% Py.	2054			.8	Tr.	
143.2-145.5	Grano'd. Three ⅛" Qtz. veinlets, 2% Py.	2055			1.8	Tr.	
145.5-148.0	Grano'd. A 1" and a ⅛" Qtz. veinlet, 3% coarse	2056			2.5	Tr.	
	Py.						
149.8-150.3	Grano'd. Two ⅛" Qtz. veinlets, 1% Py.	2057			.5	Tr.	
151.8-153.8	Grano'd. Two 1" and two ⅛" Qtz. veinlets, minor	2058			2.0	.01	
	Py.						
156.5-157.2	Grano'd. A ½" Carb. vein, 5% coarse Py.	2059			.7	.01	
157.2-159.3	Grano'd. Three ⅛" Qtz. veinlets, 2% Py.	2060			2.1	Tr.	
160.6-162.8	Grano'd. Four ⅛" Qtz. veinlets, 1% Py.	2061			2.2	Tr.	
164.5-166.0	Grano'd. Four 1" Qtz. veinlets at 60° to core,	2062			1.5	Tr.	
	4% coarse Py, A trace of sphalerite, looks good.						
166.0-167.5	Grano'd. A 3" Qtz. vein, glassy, minor Py.	2063			1.5	Tr.	
167.5-169.0	Grano'd. Two 1" Qtz. veinlets, 2% coarse Py.	2064			1.5	Tr.	

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 34 SHEET NO. 5

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
169.5-170.5	Grano'd. Two ¼" Qtz. veinlets, 1% Py.	2065			1.0	Tr.	
174.2-174.8	Grano'd. A ½" massive Py. veinlet at 70° to core.	2066			.6	.31	
175.7-176.3	Grano'd. Two ¼" Qtz. veinlets, 2% Py.	2067			.6	.02	
178.4-179.6	Grano'd. Three 2" Qtz. veinlets, strong Q.C.	2068			1.2	.01	
	wall rock alt'n. light greenish, 4% coarse Py.						
	Looks good						
184.0-186.5	Grano'd. A 4" and a two 1" Qtz. veinlets, 1% Py.	2069			2.5	Tr.	
193.0-194.0	Grano'd. Three ¼" Qtz. veinlets, 2% Py.	2070			1.0	Tr.	
194.0-195.3	Grano'd. Two ¼" Qtz. veinlets, 2% Py.	2119			1.3	Tr.	
196.5-199.0	Grano'd. Three ¼" Qtz. veinlets, 1% coarse Py.	2120			2.5	Tr.	
199.0-199.8	Grano'd. A 3" Qtz. veinlet, qt 55° to core.	2121			.8	3.43	
	A streak of about 20 specks of V.G. along the						
	edge of the vein and wall rock, 2% Py.						
199.8-200.6	Grano'd. A 1" Qtz. vein, 3% Py.	2122			.8	Tr.	
201.0-203.0	Grano'd. A 5" and two ½" Qtz. veins ½% Py.	2123			2.0	Tr.	
206.3-207.6	Grano'd. A 2" and a 1" Qtz. veinlet, 3% Py.	2124			1.3	.01	
210.0-212.2	Grano'd. A 2" and two ¼" Qtz. veinlets, 2% Py.	2125			2.2	Tr.	
216.6-218.0	Grano'd. Three ¼" Q.C. veinlets, med. Q.C. alt'n.	2126			1.4	.01	
	3% Py.						
218.0-220.0	Grano'd. A 3" and a two " Qtz. veinlet, strong	2127			2.0	.07	
	Q.C. alt'n. 7% massive Py. Looks good.						

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 34 SHEET NO. 6

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
220.7-221.8	Grano'd. A 5" and a ¼" Qtz. veinlet, 2% Py.	2128			1.1	Tr.	
223.0-225.1	Grano'd. A 1" and three ¼" Qtz. veinlets, 1% Py.	2129			2.1	Tr.	
228.4-230.0	Grano'd. Three ¼" Qtz. veinlets, med. Q.C. alt'n. 4% coarse Py.	2130			1.6	Tr.	
230.0-231.0	Grano'd. A 5" Qtz. vein with some coarse Py. and two specks of V.G. near Py. in vein.	2131			1.0	.36	
231.0-232.5	Grano'd. Two ¼" Qtz. veinlets, 2% Py.	2132			1.5	Tr.	
232.5-234.5	Grano'd. A 1" and a ¼" Qtz. veinlet, 1% Py.	2103			2.0	.06	
234.5-237.5	Grano'd. Four ¼" and several ¼" Qtz. veinlets, 3% coarse Py.	2104			3.0	.02	
237.5-239.8	Grano'd. Three ¼" Qtz. veinlets, 1% Py.	2105			2.3	Tr.	
239.8-242.1	Grano'd. Four ¼" Qtz. veinlets, med. Q.C. alt'n. 3% coarse Py.	2106			2.3	Tr.	
242.1-244.2	Grano'd. A 2" and three ¼" Qtz. veinlets, 2% Py.	2107			2.1	Tr.	
244.2-246.0	Grano'd. Three 1" Qtz. veinlets, med. Q.C. alt'n. 3% coarse Py.	2108			1.8	Tr.	
247.0-248.4	Grano'd. Two ¼" Qtz. veinlets, 1% Py.	2109			1.4	Tr.	
250.4-251.5	Grano'd. A 1" Q.C. vein, med. Q.C. alt'n. 4% coarse Py.	2110			1.1	Tr.	
251.5-253.0	Grano'd. A ½" Qtz. vein, med. Q.C. alt'n. 2% Py.	2111			1.5	Tr.	

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WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 34 SHEET NO. 7

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
253.0-255.0	Grano'd. Five ½" Q.C. veinlets at 70° to core,	2112			2.0	Tr.	
	med. Q.C. alt'n. 3% coarse Py.						
255.0-257.3	Grano'd. A 1" and three ½" Qtz. veinlets, 3% PY.	2113			2.3	Tr.	
257.3-258.4	Grano'd. Two ½" Qtz. veinlets, weak Q.C. alt'n.	2114			1.1	.01	
	2% coarse Py.						
259.0-260.5	Grano'd. A 3" and two ½" Qtz. veinlets, 5% coarse	2115			1.5	.02	
	Py.						
261.0-263.0	Grano'd. Four ½" Qtz. veinlets, med. Q.C. alt'n.	2116			2.0	Tr.	
	2% Py.						
265.3-266.0	Grano'd. A 1" Qtz. vein, 2% Py.	2117			.7	Tr.	
269.3-270.4	Grano'd. A 1" Qtz. Carb. vein, med. Q.C. alt'n.	2118			1.1	.03	
	4% coarse Py.						
273.0-274.4	Grano'd. A 1" and Two ½" Qtz. veinlets, 1% coarse	2141			1.4	Tr.	
	Py.						
274.4-275.6	Grano'd. Two ½" Qtz. veinlets, minor Py.	2142			1.2	Tr.	
275.6-276.7	Grano'd. A 3" Qtz. vein with med. Q.C. alt'n.	2143			1.1	.01	
	3% coarse Py. some black tourmaline.						
277.4-278.2	Grano'd. Two ½" Qtz. veins, 2% coarse Py.	2144			.8	Tr.	
280.1-280.9	Grano'd. A ½" and two ½" Qtz. veinlets, minor Py.	2145			.8	Tr.	
282.7-283.7	Grano'd. Two ½" Qtz. veinlets, strong Q.C. alt'n.	2146			1.0	Tr.	
	5% coarse Py.						

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 34 SHEET NO. 8

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
284.5-285.2	Grano'd. Two ¼" Qtz. veinlets, med. Q.C. alt'n.	2147			1.0	Tr.	
	2% Py.						
285.8-288.3	Grano'd. A 3" and five ½" Qtz. veinlets, 2% Py.	2148			2.5	Tr.	
288.3-290.6	Grano'd. ½" and four ¼" Qtz. veinlets, 1% coarse	2149			1.3	Tr.	
	Py.						
291.0-311.0	Feldspar porphyry dyke. 30% feldspar phenocrysts						
	up to 6mm. in diameter, some Qtz. filled cross						
	fractures.						
311.0-316.6	Grano'd. dark greyish, med. grained with some						
	Qtz. filled fractures.						
316.6-317.5	Feldspar porphyry dyke as above.						
317.5-330.5	Grano'd. dark greyish, med. grained, numerous						
	Qtz. filled cross fractures at 70° to core axis.						
291.4-292.1	Feldspar porphyry. 50% Qtz. 2% Py.	2150			.7	.02	
292.2-299.2	Feldspar porphyry dyke. Four ¼" Qtz. veinlets,	2151			2.0	Tr.	
	1% Py.						
300.4-300.9	Feldspar porphyry dyke ½" Qtz. veinlet, minor Py.	2152			.5	Tr.	
307.8-308.5	Feldspar porphyry. A 2" and a ½" Qtz. veinlet,	2153			.7	.01	
	minor Py.						
309.8-311.5	Feldspar porphyry dyke. Three ¼" Qtz. veinlets,	2154			1.7	Tr.	
	1% Py.						

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 34 SHEET NO. 9

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
312.2-313.0	Grano'd. Two ⅛" Qtz. veinlets, 2% Py.	2155			.8	.17	
313.0-314.0	Grano'd. Three ⅛" Qtz. veinlets, 1% Py.	2156			1.0	.02	
315.4-317.0	Grano'd. Four ⅛" Qtz. veinlets, minor Py.	2157			1.6	Tr.	
317.3-318.0	Grano'd. Two ⅛" Qtz. veinlets, minor Py.	2158			.7	Tr.	
320.0-322.0	Grano'd. Two 1" and four ⅛" Qtz. veinlets, in a parallel series at 70° to core, 2% coarse Py.	2159			2.0	Tr.	
325.7-326.3	Grano'd. A ¼" glassy Qtz. vein, minor Py.	2160			.6	Tr.	
329.4-330.5	Grano'd. A ½" Qtz. veinlet, 2% coarse Py.	2161			1.1	Tr.	
333.1-334.0	Grano'd. A ½" Qtz. Carb. vein, 1% coarse Py.	2162			.9	Tr.	
330.5-391.0	Banded Grano'd. The Grano'd. is composed of a series of uniform multiple alternating banding, composed of bands of dark greyish, fine grained grano'd. that alternates with greyish, med. to coarse grained grano'd. The bands are uniformly 1½ to 2" thick and these runs across the core at 50° to the core axis. The darker fine grained bands appear to have chilled contacts which suggests that the darker finer grained grano'd. was injected into the coarser grained grano'd. The uniformity of the banding widths is pressling the Qtz. filled cross fractures, cut across both						

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 34 SHEET NO. 10

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
	sets of bands at 70° to the core axis, and the						
	Qtz. filled fractures cut across the bands at						
	46° to the plane of the bands.						
336.2-337.2	Banded grano'd. with two ½" clear grey Qtz.	2163			1.0	.83	
	veinlets, One at 336.5 A Qtz veinlet carries						
	numerous specks of V.G. (20) along the wall rock						
	of the veinlet.						
337.2-338.5	Grano'd. A ½" Carb. vein, 2% Py.	2164			1.3	.01	
339.8-341.4	Grano'd. A 1" and a ½" Qtz. veinlet, 1% Py.	2165			1.6	Tr.	
342.2-342.9	Grano'd. A ½" Q.C. vein, strong Q.C. alt'n. 5%						
	coarse Py.	2166			.7	.01	
343.2-343.7	Grano'd. A ½" Qtz. vein, 2% Py.	2167			.5	Tr.	
344.7-345.3	Grano'd. A 1" Qtz. vein, 2% Py.	2168			.6	.08	
349.3-349.9	Grano'd. A 1" Qtz. vein, 2% Py.	2169			.6	.16	
351.4-352.9	Grano'd. Three ½" Qtz. veinlets, 1% Py.	2170			1.5	.01	
356.8-357.5	Grano'd. Two ½" Qtz. veinlets, minor Py.	2171			.7	.03	
323.0-323.5	Grano'd. A ½" Qtz. vein, ½% Py.	2172			.5	.04	
324.1-325.5	Grano'd. Med. Q.C. alt'n. 3% Py.	2173			1.4	.02	
325.5-327.0	Grano'd. Strong Q.C. alt'n. Two ½" Qtz. veinlets, 4% coarse Py.	2174			1.5	.50	
327.0-328.6	Grano'd. Med. Q.C. alt'n. 3% Py.	2175			1.6	.24	

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WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 34 SHEET NO. 11

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
379.2-381.5	Grano'd. A ¼" and three 1" Qtz. veinlets, 1% PO.,	2176			2.3	.01	
	1% Py.						
383.0-383.5	Grano'd. A ½" Qtz. vein, 1% Py.	2177			.5	.15	
388.1-388.7	Grano'd. A ½" Qtz. vein, 1% Py. 1% PO.	2178			.6	Tr.	
389.1-390.5	Grano'd. 50% Qtz. veinlets, glassy, ½% Py.	2179			1.4	.01	
392.5-393.2	Grano'd. A ½" glassy Qtz. vein, minor Py.	2180			.7	.01	
398.7-399.2	Grano'd. A 1" Qtz. vein, 1% Py.	2181			.5	Tr.	
402.2-402.7	Grano'd. A ½" Qtz. vein, minor Py.	2182			.5	Tr.	
410.1-411.1	Grano'd. Four ½" Qtz. veinlets, 3% coarse Py.	2183			1.0	.02	
418.6-419.3	Grano'd. A ½" Qtz. vein, with massive Py. along	2184			.7	.25	
	edges, looks good.						
421.0-422.0	Grano'd. A 1" and two ½" Qtz. veinlets, 1% PO.,	2185			1.0	.40	
	1% Py. and a trace of chalco.						
391.0-	Grano'd. dark greyish, fine to med. grained,						
	uniformly grained throughout, no banding.						
425.3-425.8	Grano'd. A ¼" Qtz. veinlets, minor Py.	2212			.5	.04	
429.8-430.3	Grano'd. A ¼" Qtz. vein, 2% PO. 1% Py.	2213			.5	.06	
445.0-448.0	Andesitic tuff dark greenish, finely banded at						
	30° to core. This hole has wandered into the foot						
	wall and was stopped.						
	END OF HOLE AT 448.0'						

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HOLE 80 -34

Tro Pari Tests

Footage	Dip	Bearing	Azim.	Footage	Horiz.	Vert.
Collar				0-100'		
200'	-58		119°	100'-300'		
400'				300'-		

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 35 SHEET NO. 1
(50' W. of 80-33)

LATITUDE 13049.32 DATUM BQ Core stored in rack. Windfall STARTED Sept. 25, 1980

DEPARTURE 10280.63 BEARING S 68°56' E COMPLETED Oct. 4, 1980

ELEVATION 9900.51 DIP -59°45' ULTIMATE DEPTH 428.0'

DEPTH FEET.	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
0 - 19.0	Casing in clay overburden.						
19.0-	Grano'd. greyish, med. grained with numerous						
	Qtz. filled fractures at 60-70° to core axis.						
	These fractures are well mineralized with coarse						
	Py. along the wall rock.						
19.5-20.5	Grano'd. A 6" glassy Qtz. vein with some coarse	2232			1.0	.01	
	Py. in wall rock.						
21.8-23.0	Grano'd. Two 1" Qtz. veinlets, one with 30%	2233			1.2	.10	
	massive Py. looks good.						
23.0-24.8	Grano'd. Five 1/8" Qtz. veinlets, 3% Py.	2234			1.8	.08	
27.4-28.2	Grano'd. Four ½" Qtz. veinlets, minor Py.	2235			1.8	.02	
31.3-31.8	Grano'd. A ½" Qtz. vein with 7% massive Py in	2236			.5	.70	
	vein, three specks of V.G. with Py. at 31.5						
33.2-35.2	Grano'd. Four ½" Qtz. veinlets, 2% Py.	2237			2.0	Tr.	
36.0-37.2	Grano'd. A 5" glassy Qtz. vein, and a ½" Qtz.	2238			1.2	.02	
	vein, 3% Py. in wall rock.						
38.4-39.0	Grano'd. A ½" Qtz. vein, 2% Py.	2239			.6	.01	
39.8-41.2	Grano'd. Three ½" Qtz. veinlets, minor Py.	2240			1.4	Tr.	
43.0-43.5	Grano'd. A 3/4" Qtz. vein with 2% Py.	2241			.5	Tr.	
44.2-46.7	Grano'd. Three ½" Qtz. veinlets, 2% Py.	2242			.5	Tr.	

DRILLED BY [illegible] Co.

REGISTERED PROFESSIONAL ENGINEER
C. J. KURYLIW

SIGNED [signature]

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 -35 SHEET NO. 2

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
47.0-48.4	Grano'd., a strong Q.C. alt'n. three 1" Qtz.	2243			1.4	Tr.	
	veinlets, 2% coarse Py. some black tourmaline.						
49.7-50.2	Grano'd. A ½" Qtz. vein, 2% Py. minor chalco.	2244			.5	Tr.	
54.2-55.2	Grano'd. Two ½" Qtz. veinlets, minor Py.	2245			1.0	Tr.	
56.8-58.4	Grano'd. A 6" and a 3" Qtz. vein with strong Q.C.	2246			1.6	Tr.	
	wall rock alt'n. 2% Py.						
64.3-65.2	Grano'd. A 2" glassy Qtz. vein, minor Py.	2247			.9	Tr.	
66.5-67.0	Grano'd. Two 1/8" Qtz. veinlets, 1% Py.	2248			.5	Tr.	
73.0-74.2	Grano'd. Two 2" Qtz. veinlets with med. Q.C. wall	2249			1.2	Tr.	
	rock alt'n. 1% PO. 3% Py. in wall rock.						
76.2-77.0	Grano'd. A 1" and two ½" Qtz. veinlets, 1% Py.	2250			.8	Tr.	
80.5-81.2	Grano'd. A 1" and two ½" Qtz. veinlets, 1% Py.	2251			.7	Tr.	
88.3-88.9	Grano'd. A 2" Qtz. vein, 5% coarse Py.	2252			.6	.06	
89.4-91.0	Grano'd. A 2" and two ½" Qtz. veinlets, med. Q.C.	2253			1.6	Tr.	
	alt'n. 2% coarse Py.						
91.7-94.0	Grano'd. A 5" and three ½" Qtz. veinlets, with	2254			2.3	.08	
	some weak Q.C. alt'n. 3% coarse Py.						
95.1-96.0	Grano'd. Two ½" Qtz. veinlets, 2% coarse Py.	2255			.9	Tr.	
98.2-99.3	Grano'd. Four ½" Qtz. veinlets, 1% Py.	2256			1.1	Tr.	
100.8-102.3	Grano'd. Four ½" Qtz. veinlets, two with streaks	2257			1.5	Tr.	
	of massive Py.						

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 35 SHEET NO. 3

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
104.3-104.9	Grano'd. A ¼" Qtz. vein, with streaks of massive Py.	2258			.6	Tr.	
106.4-107.0	Grano'd. Two ¼" Qtz. veinlets, minor Py.	2259			.6	Tr.	
107.7-108.7	Grano'd. A 7" glassy Qtz. vein, minor Py. on edges.	2260			1.0	Tr.	
115.3-116.1	Grano'd. A 2" Qtz. vein, with a hairline fracture at the side, 1% Py and one fine speck of V.G. at 115.6.	2261			.8	.07	
116.8-117.6	Grano'd. A ½" Qtz. vein at 70° to core with three specks of fine V.G. along its edge at 117.0.	2274			.8	.15	
118.4-119.5	Grano'd. 50% Qtz. in veinlets, 1% Py.	2275			1.1	Tr.	
122.0-123.0	Grano'd. A ½" and two ¼" Qtz. veinlets, minor Py.	2276			1.0	Tr.	
123.7-125.4	Grano'd. Two ½" Qtz. veinlets, minor Py.	2277			1.7	.01	
125.4-126.4	Grano'd. A 6" glassy Qtz. vein, 3% coarse Py.	2278			1.0	.02	
127.0-128.0	Grano'd. Two ¼" Qtz. veinlets, 2% coarse Py.	2279			1.0	Tr.	
129.1-131.7	Grano'd. Four ¼" Qtz. veinlets, 2% coarse Py.	2280			1.6	Tr.	
135.1-135.9	Grano'd. A 3" and a 1" Qtz. veinlet with med. Q.C. wall rock alt'n. at 135.4, the 1" Qtz. veinlet has an area of massive Py. that carries 3 specks of V.G. within the Py.	2281			.8	.18	
136.3-136.9	Grano'd. A ¼" Qtz. vein, 1% Py.	2282			.6	Tr.	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 35 SHEET NO. 4

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
139.0-140.0	Grano'd. 50% Qtz. in veinlets, 3% Py. Med. Q.C. alt'n.	2283			2.0	Tr.	
145.8-148.2	Grano'd. Six ½" Qtz. veinlets, 3% Py.	2284			2.4	Tr.	
149.1-150.6	Grano'd. A 5" and a 1" Qtz. veins, 2% Py.	2285			1.5	Tr.	
151.8-153.1	Grano'd. A 1" Qtz. vein, 2% Py.	2286			1.3	Tr.	
153.8-154.3	Grano'd. A ½" Qtz. vein, minor Py.	2287			.5	Tr.	
154.3-154.8	Grano'd. A Qtz. vein with strong hematitic alt'n.	2262			.5	Tr.	
155.7-157.7	Grano'd. A 1" and three ¼" Qtz. veinlets, 1% Py.	2263			2.0	Tr.	
157.7-158.6	Grano'd. A ½" Qtz. veinlet, 1% coarse Py.	2264			.9	Tr.	
158.6-159.5	Grano'd. A 4" and a ½" Qtz. veinlet at 70° to core, 3% coarse Py. at 158.9, the ½" veinlet carries about 20 fine specks of V.G. along the wall rock edge of vein.	2265			.9	.98	
159.5-160.3	Grano'd. looks barren.	2266			.8	Tr.	
160.3-161.2	Grano'd. A 2" Qtz. vein, 2% coarse Py.	2267			.9	Tr.	
161.2-163.0	Grano'd. Three 1/8" Qtz. veinlets, minor Py.	2268			1.8	Tr.	
163.0-164.0	Grano'd. A 1" Carb. vein with 5% coarse Py. and a speck of altaite, looks good.	2269			1.0	Tr.	
164.0-165.0	Grano'd. Med. grained, greyish, looks barren.	2270			1.0	Tr.	
165.0-167.2	Grano'd. Three ¼" Qtz. veinlets, 2% coarse Py.	2271			2.2	Tr.	

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 35 SHEET NO. 5

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au	
167.2-169.0	Grano'd. One 3" and four 1" Qtz. veinlets, 3% Py.	2272			1.8	Tr.	
170.7-171.5	Grano'd. A 1" and a ½" Qtz. veinlet, 3% Py.	2273			.8	Tr.	
174.6-175.6	Grano'd. Med. Q.C. alt'n. 5% coarse Py.	2288			1.0	.04	
175.6-176.8	Grano'd. Three 2" Qtz. veinlets, strong Q.C. alt'n. 10% coarse Py. several fine specks of V.G. in two patches along the edge of Qtz. at 176.2	2289			1.2	.07	
176.8-178.6	Grano'd. A ½" and two ¼" Qtz. veinlets, 1% Py.	2290			1.8	Tr.	
181.6-183.3	Grano'd. A 6" and three ½" Qtz. veinlets, 3% coarse Py.	2291			1.7	Tr.	
184.4-186.0	Grano'd. A 2" and two 1" Qtz. veinlets, 3% coarse Py. Traces of chalco.	2292			1.6	.02	
186.0-188.3	Grano'd. Three ½" Qtz. veinlets, 1% Py.	2293			2.3	Tr.	
190.5-191.6	Grano'd. Three ½" Qtz. veinlets, 3% coarse Py.	2294			1.1	Tr.	
193.9-194.6	Grano'd. A 5" glassy Qtz. vein, at 60° to core, minor Py.	2377			.7	Tr.	
195.3-196.0	Grano'd. Two ½" Qtz. veinlets, 2% Py.	2378			.7	Tr.	
197.8-199.2	Grano'd. Three ½" Qtz. veinlets, med. Q.C. alt'n. 2% coarse Py.	2379			1.4	.03	
199.7-201.5	Grano'd. Four ½" Qtz. veinlets, 1%Py.	2380			1.8	Tr.	
203.8-205.3	Grano'd. A four " and two 1" Qtz. veinlets, 4% coarse Py.	2381			1.5	.03	

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 35 SHEET NO. 6

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
208.4-209.6	Grano'd. A 2" and three ⅛" Qtz. veinlets, 3%	2382			1.2	.01	
	coarse Py.						
210.4-211.2	Grano'd. A 4" glassy Qtz. vein with 3% Py. in	2383			.8	Tr.	
	wall rock.						
212.5-214.0	Grano'd. Four ½" glassy Qtz. veins, 3% Py.	2384			1.5	Tr.	
214.6-216.2	Grano'd. Two ½" and two ¼" Qtz. veinlets, 2% Py.	2385			1.6	Tr.	
216.7-218.3	Grano'd. A 1" and three ¼" Qtz. veinlets, 1% Py.	2386			1.6	Tr.	
218.8-220.6	Grano'd. Four ¼" Qtz. veinlets, 1% Py.	2387			1.8	Tr.	
221.3-221.9	Grano'd. Two ½" Qtz. veinlets, minor Py.	2388			.6	Tr.	
222.8-224.2	Grano'd. A 5" and two 1" Qtz. veinlets at 60° to	2389			1.4	.05	
	core, 4% coarse Py. a single speck of V.G. at						
	223.0' in a ½" vein.						
227.0-227.8	Grano'd. Four ¼" Qtz. veinlets, minor Py.	2390			.8	.10	
228.5-229.6	Grano'd. Med. Q.C. alt'n. Four ¼" Qtz. veinlets,	2391			1.1	Tr.	
	2% Py.						
230.0-231.3	Grano'd. Three ¼" Qtz. veinlets, minor Py.	2392			.3	Tr.	
233.0-233.9	Grano'd. A 3" glassy Qtz. vein, minor Py.	2393			.9	.01	
235.5-236.3	Grano'd. Two ½" Qtz. vein, 2% coarse Py.	2394			.8	Tr.	
238.1-239.1	Grano'd. A 1" and a ½" Qtz. veinlet, 1% Py.	2395			1.0	.04	
242.0-242.5	Grano'd. A ½" glassy Qtz. vein, 2% Py.	2396			.5	Tr.	
243.6-244.2	Grano'd. A 1" Qtz. vein, minor Py.	2397			.6	.03	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 35 SHEET NO. 7

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
244.6-245.2	Grano'd. A 1" Qtz. Carb. veinlet, 5% coarse Py.	2398			.6	.03	
248.5-249.0	Grano'd. A 1" Qtz. vein, minor Py.	2399			.5	.83	
250.0-250.5	Grano'd. Med. Q.C. alt'n. 5% coarse Py.	2400			.5	.77	
252.4-253.3	Grano'd. Two 1" Qtz. veinlets, 2% coarse Py.	2401			.9	.25	
259.3-260.0	Grano'd. A 3/4" massive Py. vein with med. Q.C. wall rock alt'n.	2402			.7	.07	
262.0-262.5	Grano'd. A ½" Qtz. veinlet with some massive Py.	2403			.5	.02	
263.4-264.0	Grano'd. A 3" glassy Qtz. vein, with a streak of massive Py. along its centre that carries 3 fine specks of V.G. at 263.7.	2404			.6	.66	
268.0-268.7	Grano'd. Strong Q.C. alt'n. 5% coarse Py.	2405			.7	Tr.	
271.0-271.5	Grano'd. A 1" glassy Qtz. vein, minor Py.	2406			.5	.07	
275.5-277.0	Grano'd. Three 1" glassy Qtz. veinlets at 70° to core, minor Py.	2407			1.5	Tr.	
282.2-283.0	Grano'd. Two ½" Qtz. veinlets, one with massive Py.	2408			.8	.03	
288.5-297.5	Feldspar porphyry dyke. 30% coarse feldspar phenocrysts, contacts at 70° to core.						
305.5-306.4	Grano'd. Two ½" Qtz. veinlets, 2% coarse Py.	2409			.9	.04	
306.3-307.0	Grano'd. Med. Q.C. alt'n. 5% coarse Py.	2410			.7	Tr.	
310.6-312.3	Grano'd. Two ½" Qtz. veinlets, 1% Py.	2411			1.7	.04	

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 -35 SHEET NO. 8

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
319.1-320.6	Grano'd. Two ¼" Qtz. veinlets, 1% Py.	2412			1.5	.02	
323.3-324.2	Grano'd. Two ¼" Qtz. veinlets, 2% Py.	2413			.9	.03	
333.0-333.6	Grano'd. Two ¼" Qtz. veinlets, minor Py.	2414			.6	Tr.	
352.0-352.5	Grano'd. A 4" glassy Qtz. vein, minor Py.	2415			.5	Tr.	
360.0-360.5	Grano'd. A 1" glassy Qtz. vein, minor Py.	2416			.5	.25	
364.0-364.5	Grano'd. A 1" Qtz. vein that carries 5% streaks of massive Py.	2417			.5	1.12	
292.5-396.0	Grano'd. dark greyish, fine to med. grained, The fracturing is not as well developed. The grano'd. is more massive.						
384.6-385.1	Grano'd. A 2" glassy Qtz. vein, minor Py.	2451			.5	Tr.	
391.3-392.0	Grano'd. A 6" glassy Qtz. vein, minor Py.	2452			.7	Tr.	
396.0-397.0	Feldspar porphyry dyke, coarse grained, pinkish due to alt'n.						
392.0-400.7	Grano'd. greyish, med. grained.						
400.7-403.3	Feldspar porphyry dyke, coarse grained, contacts at 60° to core.						
403.3-403.0	Grano'd. greyish, fine grained. partly alt'n. to siricitic.						
413.0-414.5	Feldspar porphyry dyke, coarse grained.						

DRILLED BY _____

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 35 SHEET NO. 9

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS Au	
414.5-428.0	Grano'd. greyish, fine grained, generally barren						
	of fracturing in Qtz. veinlets,.						
	END OF HOLE AT 428.0'						

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HOLE 80 - 35

Footage	Dip	Bearing	Azim.	Footage	Horis.	Vert.
Collar	-59°45'	S-68° 56' E		0-100		
200'	-58°	S E	122°	100-300		
400'	-55°	S E	119½°	300		

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

BQ Core

HOLE NO. P0 - 36 SHEET NO. 1

LATITUDE 13058.04 DATUM stored in rack at windfall STARTED Sept. 24, 1980

DEPARTURE 10135.37 BEARING S 67°15' E COMPLETED Oct. 13, 1980

ELEVATION 9898.03 DIP -66°28' ULTIMATE DEPTH 577.4'

DEPTH FEET.	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au
0 - 20.0	Overburden					
20.0-	Grano'd. Med. to coarse grained well fractured					
	with numerous Qtz. filled fractures at 70° to					
	core and pyritic mineralization throughout.					
20.0-21.7	Grano'd. Four ¼" Qtz. veinlets, 1% Py.	2186			1.7	.01
21.7-23.0	Grano'd. Two ¼" Qtz. veinlets, 1% Py.	2187			1.3	Tr.
24.8-26.2	Grano'd. Three ¼" Qtz. veinlets, 2% Py.	2188			1.4	.01
27.0-28.7	Grano'd. A 2" and three ¼" Qtz. veinlets, med.	2189			1.7	Tr.
	Q.C. alt'n. 1% Py.					
28.7-30.0	Grano'd. A 10" glassy Qtz. vein, 3% coarse Py.	2190			1.3	.01
	in wall rock and specks of galena along edge of					
	vein.					
31.0-32.7	Grano'd. Three ¼" Qtz. veinlets, 1% Py.	2191			1.7	Tr.
33.1-33.6	Grano'd. A ¼" Qtz. veinlet, 2% coarse Py.	2192			.5	Tr.
37.0-38.6	Grano'd. Four ¼" Qtz. veinlets, minor Py.	2193			1.6	Tr.
39.3-40.0	Grano'd. Two ¼" Qtz. veinlets, 2% Py.	2194			.7	Tr.
41.0-42.0	Grano'd. Two ¼" Qtz. veinlets, 2% Py.	2195			1.0	Tr.
43.8-45.6	Grano'd. A 2" and two ¼" Qtz. veinlets, 2%	2196			1.8	Tr.
	coarse Py.					
45.6-47.1	Grano'd. Four ¼" Qtz. veinlets, 3% coarse Py.	2197			1.5	Tr.
47.1-48.5	Grano'd. A 10" glassy Qtz. vein, 3% coarse Py.	2198			1.4	Tr.

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SIGNED C. J. KURYLUK

PROVINCE OF ONTARIO

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 36 SHEET NO. 2

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
48.5-50.0	Grano'd. A 2" Qtz. vein with coarse Py. and tourmaline.	2199			1.5	.02	
50.6-51.5	Grano'd. Three ¼" Qtz. veinlets, 1% Py.	2200			.9	Tr.	
53.0-54.0	Grano'd. A 10" glassy Qtz. vein, coarse Py. and tourmaline along edges.	2201			1.0	Tr.	
55.3-57.2	Grano'd. A 1" and a ½" Qtz. vein, 1% Py.	2202			1.9	Tr.	
58.1-58.6	Grano'd. A 1" Qtz. vein, 1% Py.	2203			.5	Tr.	
58.6-59.6	Grano'd. Two ¼" Qtz. veinlets, minor Py.	2214			1.0	.02	
59.6-60.3	Grano'd. A 1" massive Py. vein at 60° to core, looks good.	2215			.7	6.30	
60.3-61.3	Grano'd. A 2" glassy Qtz. vein, minor Py.	2216			1.0	.12	
61.3-62.3	Grano'd. Three ⅛" Qtz. veinlets, 1% Py.	2217			1.0	.05	
63.3-65.4	Grano'd. Four ¼" Qtz. veinlets, 2% Py.	2218			2.1	.06	
71.5-72.9	Grano'd. Strong Q.C. alt'n. A 2" Qtz. vein, 5% coarse Py.	2219			1.4	.10	
72.9-75.0	Grano'd. A 1" glassy Qtz. vein, 1% Py.	2220			2.1	.02	
76.0-77.4	Grano'd. Strong Q.C. alt'n. that approaches vein appearance, 5% coarse Py. Looks good.	2221			1.4	.11	
77.4-78.4	Grano'd. Strong Q.C. alt'n. Three ½" Q.C. veinlet 7% coarse Py. with numerous fine specks of V.G. at 77.7' at 78.0 and 78.1.	2222			1.0	1.89	

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SIGNED E/K

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 36 SHEET NO. 3

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
78.4-79.5	Grano'd. Strong Q.C. alt'n. with a 1" and a ½" Qtz. veinlet, 7% coarse Py. and a speck of V.G. at 79.2'	2223			1.1	.66	
79.5-80.9	Grano'd. weak Q.C. alt'n. Λ ½" Qtz. veinlet. 2% Py. 1% PO.	2224			1.4	.02	
82.0-82.9	Grano'd. Three ½" Qtz. veinlets, 2% Py.	2225			.9	.29	
82.9-83.6	Grano'd. Λ 1" and a ½" Qtz. vein, 7% coarse Py. Λ speck of V.G. within a ½" cube of Py. at 83.3'	2226			.7	.29	
83.6-84.4	Grano'd. Two ½" Qtz. veinlets, 1% Py.	2227			.8	.02	
85.6-82.0	Grano'd. Λ 1" and three ½" Qtz. veinlets, 1% Py.	2228			1.4	.01	
87.0-89.0	Grano'd. Three ½" Qtz. veinlets, 1% Py.	2229			2.0	.02	
89.0-90.8	Grano'd. Strong Q.C. alt'n. Λ 3" and three ½" Qtz. veinlets, 5% coarse Py., looks good.	2230			1.8	.19	
94.2-95.8	Grano'd. Two 1" and three ½" Qtz. veinlets, 2% Py	2231			1.6	.02	
95.8-97.3	Grano'd. Two 1" Qtz. veinlets, med. Q.C. alt'n. 4% coarse Py.	2295			1.5	Tr.	
100.3-101.8	Grano'd. Three ½" Qtz. veinlets, 2% Py.	2296			1.5	Tr.	
101.8-103.0	Grano'd. Two 3" Qtz. veins with 4% coarse Py. in wall rock, looks good	2297			1.2	Tr.	
103.4-104.6	Grano'd. Λ 2" and a 1" Qtz. Carb. veinlet. 3% coarse Py.	2298			1.2	Tr.	

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 36 SHEET NO. 4

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS. Au	
104.6-106.3	Grano'd. A 2" and three ¼" Qtz. veinlets, 1% Py.	2299			1.7	.02	
106.3-108.0	Grano'd. A 2" and three ¼" Qtz. veinlets, 3% coarse Py.	2300			1.7	Tr.	
109.5-110.9	Grano'd. Three ½" Qtz. veinlets, with heavy Py. and traces of chalco along edges.	2301			1.4	Tr.	
111.6-112.9	Grano'd. A 3" and a 1" Qtz. vein, with some coarse Py. along edges.	2302			1.3	.03	
116.8-118.8	Grano'd. Two 2" and three ½" Qtz. veinlets, 2% Py.	2303			2.0	Tr.	
222.6-124.0	Grano'd. A 2" and a 1" Qtz. veinlet, 1% Py.	2304			1.4	Tr.	
126.2-127.6	Grano'd. Three ½" Qtz. veinlets, 2% Py.	2305			1.4	Tr.	
128.3-130.0	Grano'd. Two 1" and three ½" Qtz. veinlets, 3% coarse Py.	2306			1.7	Tr.	
131.7-133.0	Grano'd. A 2" and a 1" Qtz. veinlet, 2% Py.	2307			1.3	.01	
133.5-134.5	Grano'd. weak Q.C. alt'n. 3% coarse Py.	2346			1.0	Tr.	
134.5-135.3	Grano'd. A 1" and a ¼" Qtz. veinlet at 70° to core 4% coarse Py, 1 coarse speck of V.G. in massive Py. at 135.0.	2347			.8	.04	
135.3-136.3	Grano'd. Minor Qtz. 1% Py.	2348			1.0	Tr.	
136.3-138.0	Grano'd. Two 2" Qtz. veinlets, 3% coarse Py.	2349			1.7	.02	
145.3-147.1	Grano'd. Four ¼" Qtz. veinlets, 1% Py.	2350			1.8	Tr.	
142.1-148.4	Grano'd. A 2" and three ½" Qtz. veinlets, 5% coarse Py.	2351			1.3	.06	

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 36 SHEET NO. 5

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
149.9-152.3	Grano'd. Five ¼" Qtz. veinlets, 2% Py.	2352			2.4	Tr.	
153.3-154.0	Grano'd. A 3" and a 1" Qtz. veinlet, 5% coarse	2353			.7	Tr.	
	Py. looks good.						
154.0-155.5	Grano'd. Three ¼" Qtz. veinlet, 1% Py.	2354			1.5	Tr.	
155.5-156.2	Grano'd. A 2" Qtz. Carb. vein with three specks	2355			.7	1.59	
	of V.G. at 155.8.						
159.5-160.7	Grano'd. A 1" ;and two ¼" Qtz. veinlets, 1% Py.	2356			1.2	Tr.	
164.8-166.8	Grano'd. Six ¼" Qtz. veins, 3% coarse Py.	2357			2.0	Tr.	
168.0-169.6	Grano'd. A 2" and three ¼" Qtz. veinlets, 3% Py.	2358			1.6	Tr.	
170.4-170.9	Grano'd. A ¼" Qtz. veinlet, 3% Py.	2359			.5	Tr.	
171.6-172.3	Grano'd. A 1" Qtz. vein, 1% Py.	2360			.7	Tr.	
174.0-176.2	Grano'd. A 2" and four 1" Qtz. veinlets, 4%	2361			2.2	Tr.	
	coarse Py.						
178.3-181.0	Grano'd. Six ¼" Qtz. veinlets, 4% Py. in massive	2362			2.7	Tr.	
	streaks.						
182.0-184.2	Grano'd. A 2" and two 1" Qtz. veinlets, 2%	2363			2.2	Tr.	
	coarse Py.						
190.2-191.7	Grano'd. Two 2" Qtz. veinlets, 3% coarse Py.	2364			1.5	Tr.	
191.7-192.8	Grano'd. A three " glassy Qtz. vein, 3% coarse Py.	2365			1.1	Tr.	
193.5-195.2	Grano'd. A 3" and two 2" Qtz. veinlets, 3%	2366			1.7	Tr.	
	coarse Py.						

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. BO - 36 SHEET NO. 6

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
200.2-202.5	Grano'd. Two 2" and two ½" glassy Qtz. veinlets,	2367			2.3	Tr.	
	1% Py.						
203.4-204.4	Grano'd. 20% irregular Qtz. 10% coarse Py.	2368			1.0	.03	
205.8-206.5	Grano'd. A 2" glassy Qtz. vein, 2% Py.	2369			.7	.77	
210.7-212.2	Grano'd. Four ½" Qtz. veinlets, 5% streaks of	2370			1.5	.01	
	massive Py.						
212.7-215.5	Grano'd. Three ½" Qtz. veinlets, 2% Py.	2371			2.8	.01	
217.8-219.7	Grano'd. Two 1" and two ½" Qtz. veinlets, 5%	2372			1.9	.05	
	coarse Py.						
220.0-220.9	Grano'd. A 3" glassy Qtz. vein, 3% coarse Py.	2373			.9	Tr.	
222.5-225.0	Grano'd. Two 2" and three ½" Qtz. veinlets, 3% Py.	2374			2.5	.01	
229.0-231.0	Grano'd. A 5" and three ½" Qtz. veinlets, 3% Py.	2375			2.0	.02	
235.8-236.6	Grano'd. A 1" Qtz. vein with 5% coarse Py. along	2376			.8	.01	
	edges.						
239.0-250.0	Feldspar porphyry dyke, 30% coarse feldspar						
	pheno's well fractured with Qtz. veinlets.						
250.0-	Grano'd. greyish, med. to coarse grained, well						
	fractured with numerous Qtz. filled fractures						
	that run at 55°- 70° to core axis.						
240.0-241.7	Feldspar porphyry dyke, two 4" and one 1" Qtz.	2418			1.7	Tr.	
	veinlet, 2% coarse Py.						

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 36 SHEET NO. 7

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
241.7-243.8	Feldspar porphyry, three ¼" Qtz. veinlets, 1% Py.	2419			2.1	Tr.	
243.8-245.7	Feldspar porphyry, four ¼" Qtz. veinlets, 1% Py.	2420			1.9	Tr.	
249.0-251.0	Feldspar porphyry. Four ¼" Qtz. 1% Py.	2421			2.0	Tr.	
253.5-254.6	Grano'd. two ½" Qtz. veinlet with 3% coarse Py.	2422			1.1	.03	
256.0-256.8	Grano'd. three ¼" Qtz. veinlets, 1% Py.	2423			.8	Tr.	
258.0-259.7	Grano'd. Three 1" Qtz. veinlets, 1% Py.	2424			1.7	.05	
261.3-263.1	Grano'd. Two 1" Qtz. veinlets, 1% Py.	2425			1.8	Tr.	
265.4-267.5	Grano'd. Three ¼" Qtz. veinlets, 3% coarse Py.	2426			2.1	Tr.	
269.8-271.4	Grano'd. A 4" glassy Qtz. vein, med. Q.C. alt'n.	2427			1.6	.01	
	4% coarse Py.						
271.4-273.3	Grano'd. A 5" and two 1" Qtz. veinlets, 3% coarse	2428			1.9	.02	
	Py.						
273.3-274.7	Grano'd. Two ½" Qtz. veinlets, 2% coarse Py.	2429			1.4	.05	
276.5-277.3	Grano'd. A 2" glassy Qtz. vein, 2% Py.	2430			.8	Tr.	
278.5-279.5	Grano'd. A 2" and a ½" glassy Qtz. vein, 3%	2431			1.0	.03	
	coarse Py.						
282.0-283.5	Grano'd. Two 1" Qtz. veinlets, 2% coarse Py.	2432			1.5	Tr.	
284.2-285.3	Grano'd. Two 2" Qtz. veinlets, 3% coarse Py.	2433			1.1	.02	
287.0-287.5	Grano'd. A 1" Qtz. veinlet, 2% coarse Py.	2434			.5	.01	
287.7-288.5	Grano'd. A 2" Qtz. vein, with streaks of massive	2435			.8	Tr.	
	Py. along edge.						

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 36 SHEET NO. 8

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS /T.	
282.5-290.0	Grano'd. A 1" glassy Qtz. vein, minor Py.	2436			.5	.01	
293.0-295.0	Grano'd. Four 1" Qtz. veinlets, 3% coarse Py.	2437			2.0	.04	
	mostry along wall rock of veinlets.						
295.0-296.8	Grano'd. A 5" and three ½" qtz. veinlets, 3%	2438			1.8	.02	
	coarse Py.						
298.0-299.8	Grano'd. Three ½" Qtz. veinlets, 1% Py.	2439			1.8	.01	
304.5-305.7	Grano'd. Two ½" Qtz. veinlets, 1% Py.	2440			1.2	Tr.	
305.7-306.7	Grano'd. A 2" and a ½" Qtz. veinlet, 3% coarse Py.	2441			1.0	.01	
313.2-315.4	Grano'd. Three ½" Qtz. veinlets, minor Py.	2442			1.2	Tr.	
315.4-316.2	Grano'd. A ½" and a 1" Qtz. veinlet, the latter	2443			.8	.02	
	has ½" streak of massive Py. at 315.9 that carries						
	a speck of V.G. in the Py.						
318.3-319.6	Grano'd. Two 2" Qtz. veinlets, 3% coarse Py.	2444			1.3	Tr.	
320.3-321.0	Grano'd. Two ½" Qtz. veinlets, 1% Py.	2445			.7	Tr.	
321.9-322.9	Grano'd. A 4" glassy Qtz. vein, with streaks of	2446			1.0	.03	
	massive Py. along the edge.						
323.0-325.9	Grano'd. Five ½" Qtz. veinlets, 3% coarse Py.	2447			2.9	.01	
326.8-327.6	Grano'd. med. Q.C. alt'n. two ½" Qtz. veinlets,	2448			.8	.09	
	4% coarse Py.						
378.2-328.9	Grano'd. Two ½" Qtz. veinlets, the one at 328.3	2449			.7	.02	
	carries three fine specks of V.G. in a patch.						

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 43 SHEET NO. 4

LATITUDE ... DATUM ... STARTED ...

DEPARTURE ... BEARING ... COMPLETED ...

ELEVATION ... DIP ... ULTIMATE DEPTH ...

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
231.0-231.8	Grano'd. A ½" Qtz. vein with 5% coarse Py. in wall rock.	3130			.8	Tr.	
232.3-233.3	Grano'd. A ½" and a ¼" Qtz. veinlet, 1% Py.	3131			1.0	Tr.	
234.4-235.6	Grano'd. Med. Q.C. alt'n. 3% coarse Py.	3132			1.2	Tr.	
235.6-237.0	Grano'd. Two 3" Qtz. veinlets, 2% coarse Py.	3133			1.4	.01	
238.3-238.8	Grano'd. A ½" Qtz. veinlet, minor Py.	3134			.5	Tr.	
240.4-241.1	Grano'd. A 3" Qtz. vein, 3% Py. in wall rock.	3135			.7	.03	
246.1-247.0	Grano'd. A 2" and two ½" Qtz. veinlets, 2% coarse Py.	3136			.9	.02	
248.9-249.7	Grano'd. A ½" Qtz. veinlets, 2% Py. 1% PO.	3137			.8	.01	
249.7-252.3	Grano'd. 40% Qtz. in veinlets, 5% coarse Py.	3138			1.6	.02	
255.3-255.8	Grano'd. A ½" Qtz. veinlet, minor Py.	3139			.5	.01	
256.7-257.5	Grano'd. A 2" Qtz. vein with Med. Q.C. wall rock alt'n. 4% coarse Py.	3140			.8	.07	
259.0-260.3	Coarse Grano'd. A 2" and two 1" Qtz. veinlets, with 3% Py. 1% PO.	3212			1.3	.07	
262.7-264.7	Grano'd. One 2" and four 1" Qtz. veinlets, Med. Q.C. alt'n. 3% Py. 2% PO.	3213			2.0	.02	
265.2-265.8	Grano'd. A 4" Qtz. veinlet, 1% PO. 1% Py.	3214			.6	Tr.	
271.7-272.5	A 4" glassy Qtz. vein at contact between Grano'd. and feldspar porphyry. 1% Py.	3215			.8	.87	

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 43 SHEET NO. 5

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
272.0-280.5	Feldspar porphyry kyke. 30% coarse white feldspar pheno'crysts. in a Qtz. biotite ground mass.						
280.5-	Grano'd. Greenish, grey, coarse grained Qtz. filled fractures are not as well developed in this more massive, apearing Grano'd. from 330.0-345.0, fine grained, very blocky, Lost core at 331.0-333.0. and 344.0'- 345.0'.						
280.5-281.0	Grano'd. A ½" Qtz. vein, 3% coarse Py.	3216			.5	.12	
285.6-286.7	Grano'd. A 1" Qtz. vein, 1% Py.	3217			1.1	Tr.	
288.6-289.2	Grano'd. A 1" glassy Qtz. vein that carries a few specks of chalco.	3218			.6	Tr.	
298.3-299.0	Grano'd. A 2" Qtz. vein, 2% Py.	3219			.7	Tr.	
300.3-300.9	Grano'd. A 1" Qtz. vein, minor Py.	3220			.6	Tr.	
309.9-310.5	Grano'd. A 1" Qtz. vein, 1% Py.	3221			.6	.03	
317.0-317.5	Grano'd. A ½" glassy Qtz. vein, minor Py.	3222			.5	Tr.	
322.2-323.5	Grano'd. Two ½" Qtz. veinlets, 2% Py.	3223			1.3	Tr.	
326.8-327.5	Grano'd. A ½" Qtz. vein, 1% Py.	3224			.7	Tr.	
339.8-340.8	Grano'd. Two ½" Qtz. veinlets, 1% Py.	3225			1.0	Tr.	
348.5-349.5	Grano'd. Strong Q.C. alt'n. 7% coarse Py.	3226			1.0	.04	
358.8-359.5	Grano'd. Mod. Q.C. alt'n. 5% coarse Py.	3227			.7	.01	

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DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 43 SHEET NO. 6

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS /T
368.5-369.4	Grano'd. Med. Q.C. alt'n. 3% coarse Py.	3228			.9	Tr.
373.0-374.0	Grano'd. Med. Q.C. alt'n. 3% coarse Py.	3229			1.0	Tr.
377.4-378.4	Grano'd. Strong Q.C. alt'n. 3% coarse Py.	3230			1.0	Tr.
389.0-389.7	Grano'd. Med. Q.C. alt'n. A 1" Qtz. Carb. veinlet at 70° to core. 7% coarse Py.	3231			.7	.02
396.0-397.3	Grano'd. A 2" Qtz. vein, Med. Q.C. alt'n. 5% coarse Py.	3232			1.3	.02
403.7-405.4	Grano'd. Med. Q.C. alt'n. A 1" Qtz. vein, 3% Py.	3233			1.7	Tr.
408.3-409.0	Grano'd. Strong Q.C. alt'n. 7% coarse Py. Three fine specks of V.G. in a 1/8" fracture near the Py.	3234			.7	.30
418.3-419.4	Grano'd. Four 1/8" Qtz. veinlets, 2% Py.	3235			1.1	Tr.
421.5-422.3	Grano'd. Med. Q.C. alt'n. Two ¼" Qtz. Carb. veinlets, 2% Py. 1% PO.	3236			.8	Tr.
422.6-423.4	Grano'd. Strong Q.C. alt'n. A 1" Qtz. veins, 2% Py.	3237			.8	.09
425.3-425.9	Grano'd. A 1" Qtz. vein, 1% Py.	3238			.6	Tr.
426.8-427.4	Grano'd. A 1" Qtz. vein, with 4% Py.	3239			.6	Tr.
428.7-429.5	Grano'd. A 1" and two ¼" Qtz. veinlets, 2% Py. 1% PO.	3240			.8	Tr.
429.5-430.1	Grano'd. Two ¼" Qtz. veinlets, 3% Py.	3241			.6	.03

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DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 43 SHEET NO. 7

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au
430.9-431.4	Grano'd. A two " glassy Qtz. vein, minor Py.	3242			.5	Tr.
433.0-433.7	Grano'd. A 1" Qtz. Carb. veinlet, 3% Py. 1% PO.	3243			.7	.04
435.0-437.2	Grano'd. Six 1" Qtz. veinlets, 2% Py.	3244			2.2	.01
438.7-439.3	Grano'd. A 1" Qtz. veinlet, 1% Py.	3245			.6	Tr.
442.0-443.2	Grano'd. Med. Q.C. alt'n. Three ½" Qtz. veinlets,	3246			1.2	.07
	5% coarse Py.					
444.4-445.4	Grano'd. A 2" and a 1" Qtz. 2% Py.	3247			1.0	Tr.
446.6-447.2	Grano'd. A 2" Qtz. vein, 2% Py. Trace of chalco.	3248			.6	.03
449.0-449.6	Grano'd. A 2" glassy Qtz. vein, 2% Py.	3249			.6	Tr.
452.3-452.8	Grano'd. A 1" glassy Qtz. vein, 2% Py.	3250			.5	.02
453.5-455.5	Grano'd. A 2" and two ½" Qtz. veinlets, 2% Py.	3251			2.0	Tr.
452.3-458.0	Grano'd. A ½" Qtz. veinlet, Med. Q.C. alt'n.	3252			.7	.02
	3% Py.					
	END OF HOLE AT 458.0'					

DRILLED BY .....

SIGNED C J Kurylliw

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 44 SHEET NO. 1

B.Q. Core

LATITUDE 12991.0 DATUM Steel mine rod. Windfall STARTED Nov. 3, 1980

DEPARTURE 9960.0 BEARING S - 70° E COMPLETED Nov. 6, 1980

ELEVATION 9894.97 DIP - 60° ULTIMATE DEPTH 503.0'

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
0 - 30.0	Casing in overburden.						
30.0-280.0	Grano'd. dark greyish, med. grained with Qtz. filled fractures that are well developed and carry some wall rock Qtz. Carb. alt'n. and pyritic mineralization.						
33.0-34.3	Grano'd. strong Q.C. alt'n. with a 2" Qtz. Carb. vein, 7% coarse Py in wall rock. Three fine specks of V.G. at 33.5'.	3300			1.3	.12	
35.6-37.1	Grano'd. med. Q.C. alt'n. Two ½" Qtz. veinlets, 2% Py.	3301			1.5	.02	
39.4-40.0	Grano'd. A ½" Qtz. vein, 1% Py.	3302			.6	.02	
41.0-42.2	Grano'd. Strong Q.C. alt'n. A 2" Qtz. vein, 7% coarse Py.	3303			1.2	.09	
46.3-47.4	Grano'd. A 3" glassy Qtz. vein, strong Q.C. alt'n. 7% coarse Py.	3304			1.1	.05	
52.5-53.0	Grano'd. A 1" Qtz. vein, minor Py.	3305			.5	Tr.	
55.8-57.0	Grano'd. Strong Q.C. alt'n. A 2" Qtz. Carb. vein. 7% coarse Py.	3306			1.2	Tr.	
63.4-64.5	Grano'd. Strong Q.C. alt'n. A 1" Qtz. Carb. vein. 4% coarse Py.	3307			.1	Tr.	

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SIGNED J. Kuryliw

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 44 SHEET NO. 2

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au
66.9-67.5	Grano'd. Two ¼" Qtz. veinlets, 2% Py.	3308			.6	Tr.
73.0-73.5	Grano'd. A ¼" Qtz. vein, 2% Py.	3309			.5	Tr.
75.3-75.8	Grano'd. A ½" Qtz. vein, 1% Py. Traces of chal.o.	3310			.5	Tr.
76.8-77.5	Grano'd. Three ¼" Qtz. veinlets, 1% Py.	3311			.7	Tr
87.2-88.2	Grano'd. Two ½" Qtz. veins, minor Py.	3312			1.0	
93.0-93.5	Grano'd. A 1" Qtz. vein, minor Py.	3313				Tr.
94.3-94.8	Grano'd. A 1" Qtz. vein, minor Py.	3314				Tr.
95.7-97.0	Grano'd. Three ¼" Qtz. veinlets, 1% Py. Traces of chalco.	3315			1.3	.01
106.0-106.5	Grano'd. A 2" glassy Qtz. vein, minor Py.	3316			.5	Tr.
107.3-108.7	Grano'd. Three ¼" Qtz. veinlets, 3% coarse Py.	3317			1.4	.07
109.3-110.1	Grano'd. Strong Q.C. alt'n. ½" Qtz. Carb. vein, 5% coarse Py.	3318			.8	.03
124.4-125.4	Grano'd. strong Qtz. Carb. alt'n. A 1" Qtz. vein, 3% Py.	3319			1.0	.15
125.7-126.5	Grano'd. A 1" Qtz. vein, 1% Py.	3320			.8	Tr.
128.0-128.6	Grano'd. A ½" Qtz. vein, 1% Py. 1% PO.	3321			.6	.01
133.0-133.5	Grano'd. A ½" Qtz. vein, 2% Py.	3322			.5	Tr.
142.0-143.0	Grano'd. A 2" Qtz. Carb. vein, 4% coarse Py.	3323			1.0	.03
153.0-155.0	Grano'd. A 2" and two ¼" Qtz. veinlets, 1% Py.	3324			2.0	Tr.
156.2-159.0	Grano'd. A 3" glassy Qtz. vein, minor Py.	3325			2.8	Tr.

DRILLED BY ..... SIGNED .....

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 44 SHEET NO. 3

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au
173.5-174.5	Grano'd. A ½" and two ¼" Qtz. veinlets, minor Py.	3326			1.0	Tr.
176.0-177.0	Grano'd. Three ½" Qtz. veins, 1% Py.	3327			1.0	Tr.
187.3-187.8	Grano'd. A ½" Qtz. vein, 5% coarse Py.	3328			.5	.36
192.3-193.8	Grano'd. A 2" and a ½" Qtz. veins, 3% coarse Py.	3329			1.5	.03
197.3-198.3	Grano'd. 70% Qtz. veins, strong Q.C. alt'n. 10% coarse Py. Looks good.	3330			1.0	.08
198.3-199.2	Grano'd. A 1" Qtz. vein, 1% Py.	3331			.9	.04
206.6-207.2	Grano'd. Two 1/8" Qtz. Carb. veinlets, 3% Py.	3332			.6	.33
214.1-214.9	Grano'd. Two 1" Qtz. veinlets, 3% Py.	3333			.8	.03
215.5-217.0	Grano'd. A 2" and a 1" Qtz. veinlet, 3% coarse Py	3334			1.5	.03
218.8-219.8	Grano'd. Two ½" Qtz. Carb. veinlets, with streaks of massive Py. Mod. Q.C. alt'n.	3335			1.0	.02
220.5-221.5	Grano'd. Strong Q.C. alt'n. ½" Qtz. Carb. veinlet 5% coarse Py.	3336			1.0	.05
225.0-226.0	Grano'd. strong Q.C. alt'n. A ½" Qtz. Carb. vein 4% coarse Py.	3337			1.0	.05
229.0-229.7	Grano'd. A 6" glassy Qtz. vein, 2% Py. in wall rock.	3338			.7	.04
236.5-237.4	Grano'd. Strong Q.C. alt'n. A ½" Carb. vein, 5% coarse Py.	3339			.9	.13

DRILLED BY _____ SIGNED _____

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 44 SHEET NO. 4

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
245.1-246.2	Grano'd. Strong Q.C. alt'n. Λ ½" Carb. veinlet,	3340			1.1	.03	
	5% coarse Py.						
247.4-248.8	Grano'd. Med. Qtz. Carb. alt'n. Λ ½" Qtz. Carb.	3341			1.4	.01	
	vein, 3% Py.						
251.8-252.6	Grano'd. Strong Q.C. alt'n. Λ 2" Qtz. vein, 5%	3342			.8	Tr.	
	coarse Py.						
255.1-255.7	Grano'd. Λ ½" Qtz. Carb. vein, med. Q.C. alt'n.	3343			.6	.02	
	2% Py.						
257.6-258.4	Grano'd. Med. Q.C. alt'n. Λ 1" glassy Qtz. vein,	3344			.8	.01	
	2% Py.						
260.7-261.6	Grano'd. Med. Q.C. alt'n. Λ 1" Qtz. Carb. vein,	3345			.9	Tr.	
	2% Py.						
262.3-263.0	Grano'd. Λ 3" glassy Qtz. tourmaline vein, looks	3346			.7	Tr.	
	barren.						
264.0-264.9	Grano'd. Strong Q.C. alt'n. Two ½" Qtz. veinlets,	3347			.9	.09	
	3% coarse Py.						
265.8-266.5	Grano'd. Med. Q.C. alt'n. Λ 2" Qtz. vein, 3% Py.	3348			.7	.05	
272.2-272.9	Grano'd. Med. Q.C. alt'n. Λ 2" glassy Qtz. vein,	3349			.7	.03	
	4% coarse Py.						
276.2-276.9	Grano'd. Med. Q.C. alt'n. Λ ½" Qtz. vein, 3%	3350			.7	.04	
	coarse Py.						

DRILLED BY .....

SIGNED E J K

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 44 SHEET NO. 5

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au
278.2-280.0	Grano'd. Four ¼" glassy Qtz. veinlets, 1% Py.	3351			1.8	Tr.
280.0-289.6	Feldspar porphyry dyke, 25% coarse feldspar pheno'crysts in the Qtz. biotite ground mass.					
289.6-503.0	Grano'd. dark greyish, med. to coarse grained looks massive, the Qtz. filled fractured are not as well developed.					
286.8-289.0	Feldspar porphyry, four ¼" Qtz. veinlets with tourmaline and minor Py.	3352			2.2	Tr.
289.8-290.4	Grano'd. A 1/8" Qtz. veinlet at 50° to core, carries a streak of mixed massive Py and PO. and several specks of V.G. in a patch.	3353			.6	1.65
291.2-291.8	Grano'd. A ½" Qtz. Carb. veinlet, 1% Py.	3354			.6	.05
293.6-294.2	Grano'd. A ½" Qtz. Carb. vein, 1% Py.	3355			.6	.03
298.0-298.5	Grano'd. A 1" Qtz. vein, 1% Py.	3356			.5	.04
300.5-301.0	Grano'd. A 1" glassy Qtz. vein, minor Py.	3357			.5	Tr.
306.8-308.8	Grano'd. A 2" and two 1" Qtz. veinlets, 2% Py., 1% PO.	3358			2.0	.05
324.7-325.3	Grano'd. Med. Q.C. alt'n. A ½" Qtz. veinlet, 1% Py.	3359			.6	.01
329.2-329.7	Grano'd. Med. Q.C. alt'n. A 1/8" Carb. vein, 2% Py.	3360			.5	Tr.

DRILLED BY ..... SIGNED C A K

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 44 SHEET NO. 6

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
343.0-344.2	Grano'd. A 2" and a ½" Qtz. veinlet, 2% Py. along	3361			1.2	Tr.	
	edges.						
352.5-353.0	Grano'd. A 2" glassy Qtz. vein, 4% coarse Py.	3362			.5	.01	
	along wall rock.						
366.3-367.7	Grano'd. Two ½" Qtz. veinlets, One with streaks	3363			1.4	.01	
	oc massive Py. carries a speck of galena.						
378.4-379.8	Grano'd. Two ½" Qtz. veinlets, each with come	3364			1.4	.02	
	coarse Py. along the edges.						
386.0-387.0	Grano'd. Three ½" Qtz. veinlets, minor Py.	3365			1.0	Tr.	
390.7-391.3	Grano'd. A 5" glassy Qtz. vein, 4% Py. along	3366			.6	.02	
	edges.						
396.0-397.5	Grano'd. A 1" Qtz. vein, 2% Py.	3367			1.5	.01	
405.5-406.0	Grano'd. A ½" Qtz. vein, 1% Py.	3368			.5	.01	
407.5-408.7	Grano'd. Two ½" Qtz. veins, 1% Py.	3369			1.2	.02	
418.4-419.9	Grano'd. A 3" and a ½" Qtz. veinlet, with streaks	3370			1.5	.08	
	of massive Py. looks good.						
422.5-423.0	Grano'd. A 1" Qtz. vein, minor Py.	3371			.5	Tr.	
426.3-426.9	Grano'd. A ½" Carb. vein, 2% Py.	3372			.6	Tr.	
428.6-429.5	Grano'd. A 1" Qtz. vein, 3% Py. 2% PO.	3373			.9	Tr.	
433.0-433.8	Grano'd. A 2" glassy Qtz. vein, 1% Py. A trace	3374			.8	Tr.	
	of chalco in wall rock.						

DRILLED BY ..... SIGNED E. K

DIAMOND DRILL RECORD
WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 44 SHEET NO. 7

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au	
435.0-435.8	Grano'd. A 3" glassy Qtz. vein, 2% Py. 1% PO.	3375			.8	Tr.	
439.5-441.0	Grano'd. Four ½" Qtz. veinlets, 2% Py.	3376			1.5	Tr.	
445.5-446.6	Grano'd. Two ½" Qtz. veinlets, 3% Py. Traces of	3377			1.1	.04	
	chalco.						
448.5-449.0	Grano'd. Two ½" Qtz. veinlets, 1% Py.	3378			.5	.02	
449.0-451.0	Grano'd. Two 2" Qtz. veinlets with streaks of	3379			2.0	.03	
	coarse Py. along edges.						
452.0-453.0	Grano'd. Four ½" Qtz. stringers, one with 50%	3380			1.0	Tr.	
	streak of massive Py.						
459.0-460.0	Grano'd. A 6" glassy Qtz. vein with streaks of	3381			1.0	.07	
	massive Py. looks good.						
460.0-461.0	Grano'd. Two ½" Qtz. veinlets, 3% coarse Py.	3382			1.0	Tr.	
462.5-463.5	Grano'd. Two ½" Qtz. veinlets, one with streaks	3383			1.0	Tr.	
	of massive Py.						
465.3-467.0	Grano'd. Eight ½" Qtz. veinlets, some with	3384			1.7	.02	
	streaks of massive Py.						
468.8-469.8	Grano'd. Two 2" Qtz. veins, 3% Py.	3385			1.0	.02	
469.8-471.5	Grano'd. Six ½" Qtz. veinlets, 3% Py.	3386			1.7	Tr.	
472.4-473.5	Grano'd. Two ½" Qtz. veinlets, one with streaks	3387			1.1	Tr.	
	of massive Py.						
474.0-475.0	Grano'd. Strong Q.C. alt'n. 4% Py.	3388			1.0	Tr.	

DRILLED BY .....

SIGNED .....

DIAMOND DRILL RECORD

WINDFALL OILS & MINES LTD.

HOLE NO. 80 - 44 SHEET NO. 8

LATITUDE ..... DATUM ..... STARTED .....

DEPARTURE ..... BEARING ..... COMPLETED .....

ELEVATION ..... DIP ..... ULTIMATE DEPTH .....

DEPTH FEET	FORMATION	SAMPLE NO	FROM	TO	WIDTH	OZS Au
476.8-479.0	Grano'd. A 2" and four ¼" Qtz. veinlets, 1% Py.	3389			2.2	.03
479.8-480.4	Grano'd. A 1" Qtz. vein, 1% Py.	3390			.6	Tr.
482.3-483.0	Grano'd. A 2" Qtz. vein, 2% Py. 1% PO.	3391			.7	Tr.
484.4-485.3	Grano'd. Two ½" Qtz. vein, one with a streak of chalco, 1% Py.	3392			.9	Tr.
490.0-491.3	Grano'd. Several fine Qtz. filled fractures, 1% Py.	3393			1.3	Tr.
491.3-392.5	Grano'd. Several 1/8" Qtz. filled fractures, 4% Py. One fracture carries streaks of galena and a speck of V.G. at 492.0'	3394			1.2	.10
493.0-493.7	Grano'd. A ½" Qtz. vein, 2% Py. 1% PO.	3395			.7	Tr.
495.0-496.5	Grano'd. Two ½" Qtz. Carb. veinlets, 2% Py.	3396			1.5	Tr.
498.0-498.8	Grano'd. A ½" Qtz. Carb. vein, 1% Py. ½% PO.	3397			.8	.02
	END OF HOLE AT 503.0'.					

DRILLED BY .....

SIGNED E. J. Kurylenko

FOR ADDITIONAL INFORMATION SEE MAPS:

52F/16NW-0065 # (1-11)

52 F/16 NW-0065 "1

G3.8334

WINDFALL OILS & MINES LTD.

COMPOSITE PLAN OF
SURFACE D. D HOLES

SCALE 1"=100'0

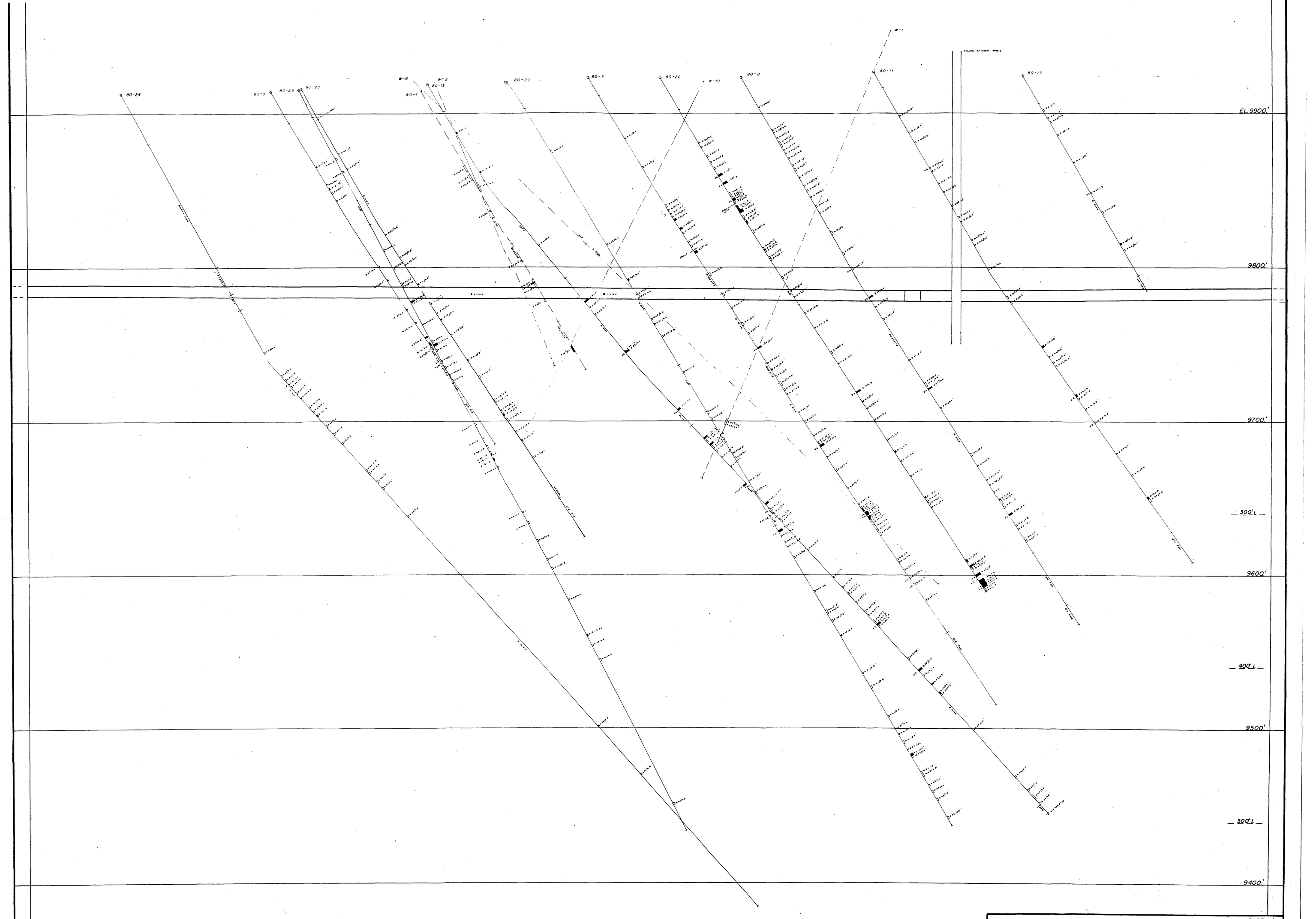
DRN. BY J.C.
MARCH - 1981

APPR'D BY
C.J. KURYLIW P. ENG.

Feb 27 81

12500 E
12000 E
11500 N
11000 E
10500 E
10000 E
9500 E
9000 E
12000 N
12500 N
13000 N
13500 N
14000 N
14500 N

AREA 5
GRANODIORITE
AREA 3
AREA 2A
AREA 2
AREA 1
KRL 21447
ROAD
RIOCANEX
GOLDLUND
KRL 21448
ROAD
KRL 21456
AREA 4



63.3934

WINDFALL OILS & MINES LTD.
AREA-2

VERTICAL SECTION N-80°E

NORTH GRANODIORITE

SCALE : 1"=20.'0

DRN. BY J.C.
MARCH-1981

APPR'D BY
C.J. KURYLIW P.ENG

52 F/16 NW-0065 "2"

52F/16NW-0065 #3

250

G3.3934

WINDFALL OILS & MINES LTD.

AREA-2

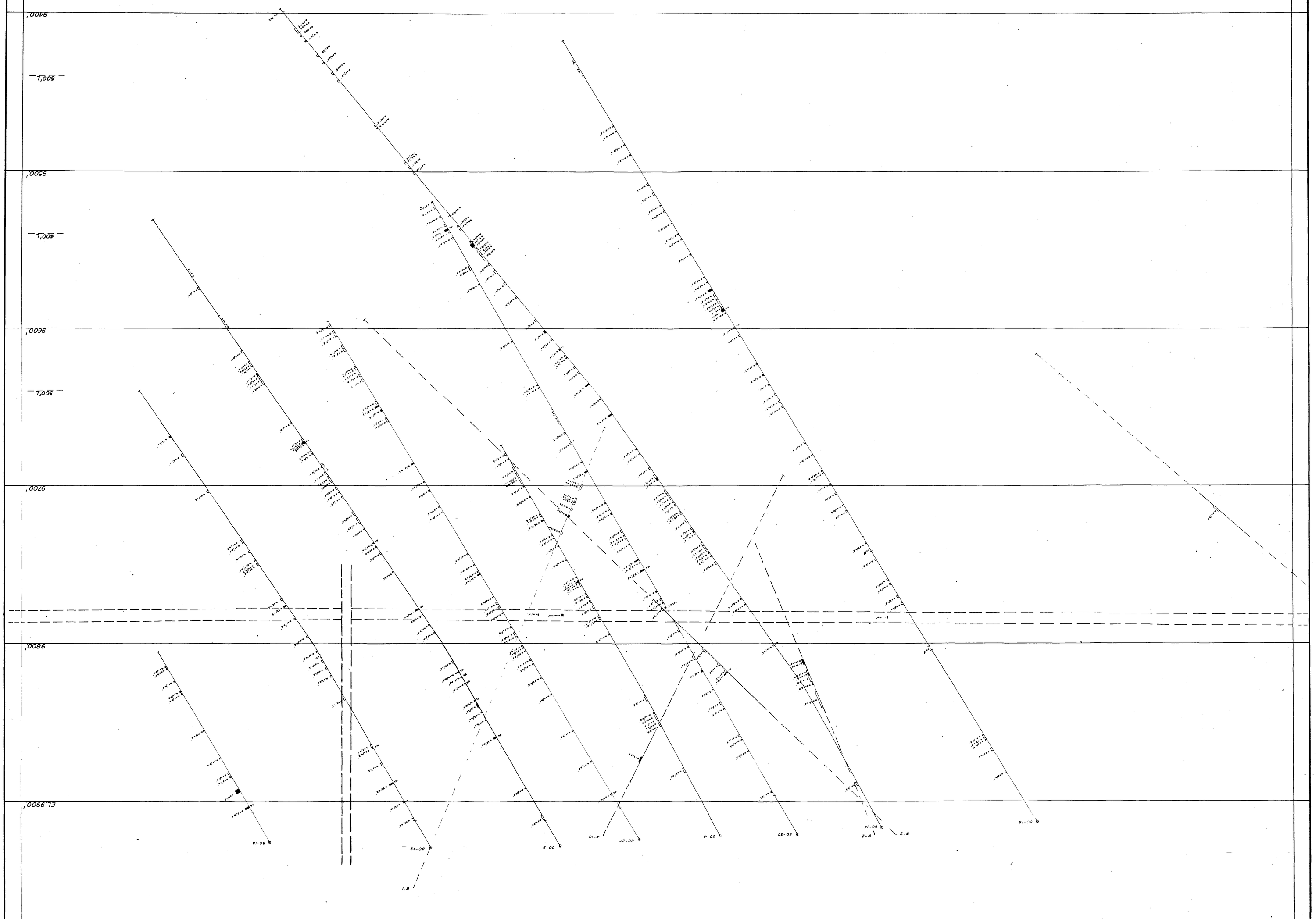
VERTICAL SECTION N-80°E

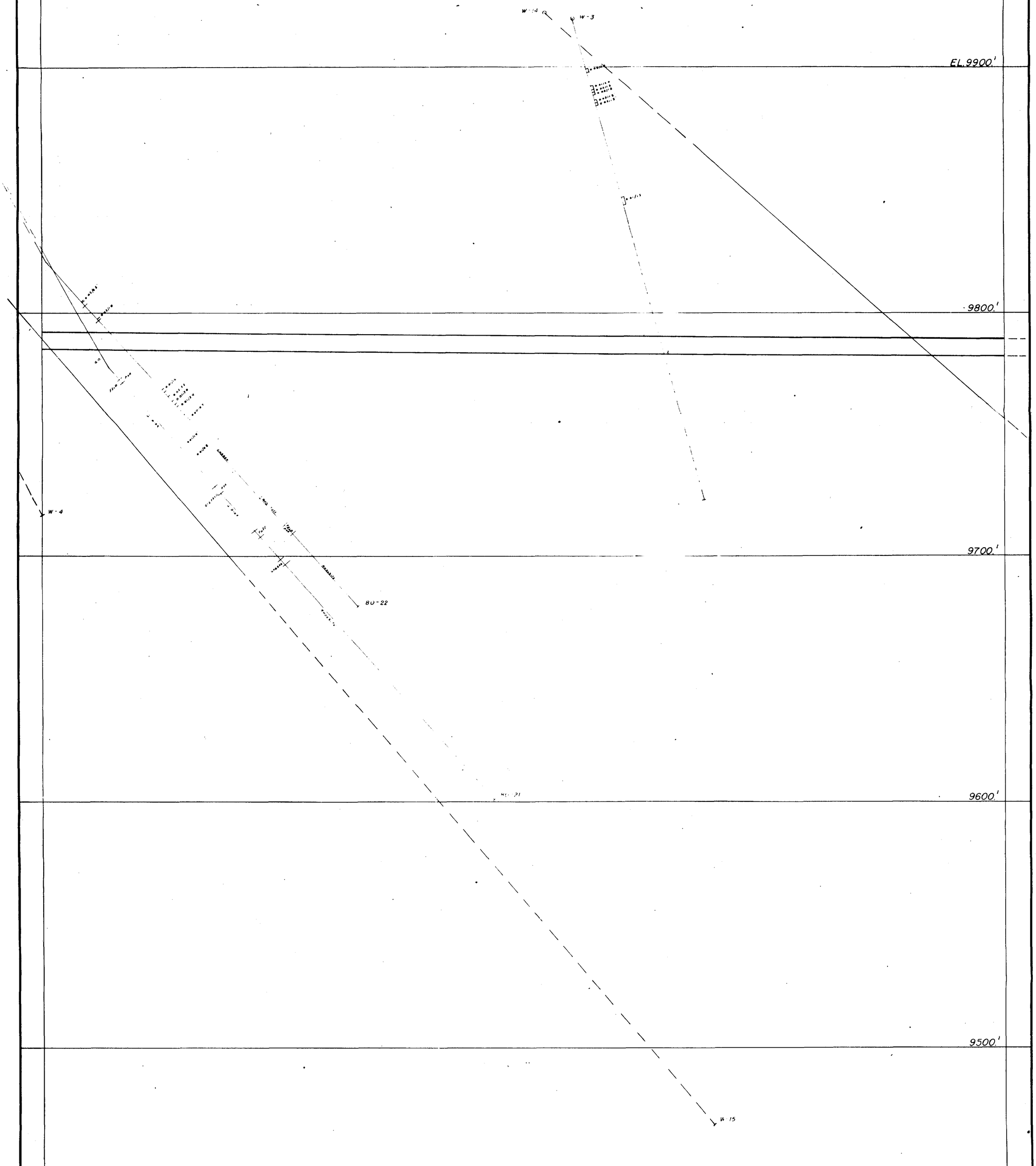
CENTRAL GRANODIORITE

SCALE : 1"=20'0

DRN. BY J.C.
MARCH-1981

APPR'D BY
C.J.KURYLIW P.ENG.





63.3934

WINDFALL OILS & MINES LTD.
AREA-2A

COMPOSITE LONGITUDINAL SECTION OF D.D.H.
NORTH GRANODIORITE

SCALE: 1"=20'.0

DRN. BY J.C.
MARCH-1981

APPR'D BY
C.J. KURYLIW P. ENG.

REGISTERED PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO

52F16NW0040 52F16NW0065 ECHO

230

52 F/16 NW-0065 #4

EL. 9900'

9800'

9700'

9600'

9500'

9400'

N 14

W-3

W-4

15

0.01/7.0

0.07/3.0

39 degrees

63.3934

WINDFALL OILS & MINES LTD.
AREA-2A
COMPOSITE LONGITUDINAL SECTION OF D.D.H.
SOUTH GRANODIORITE

SCALE: 1"=20'.0

DRN. BY J.C.
MARCH-1981

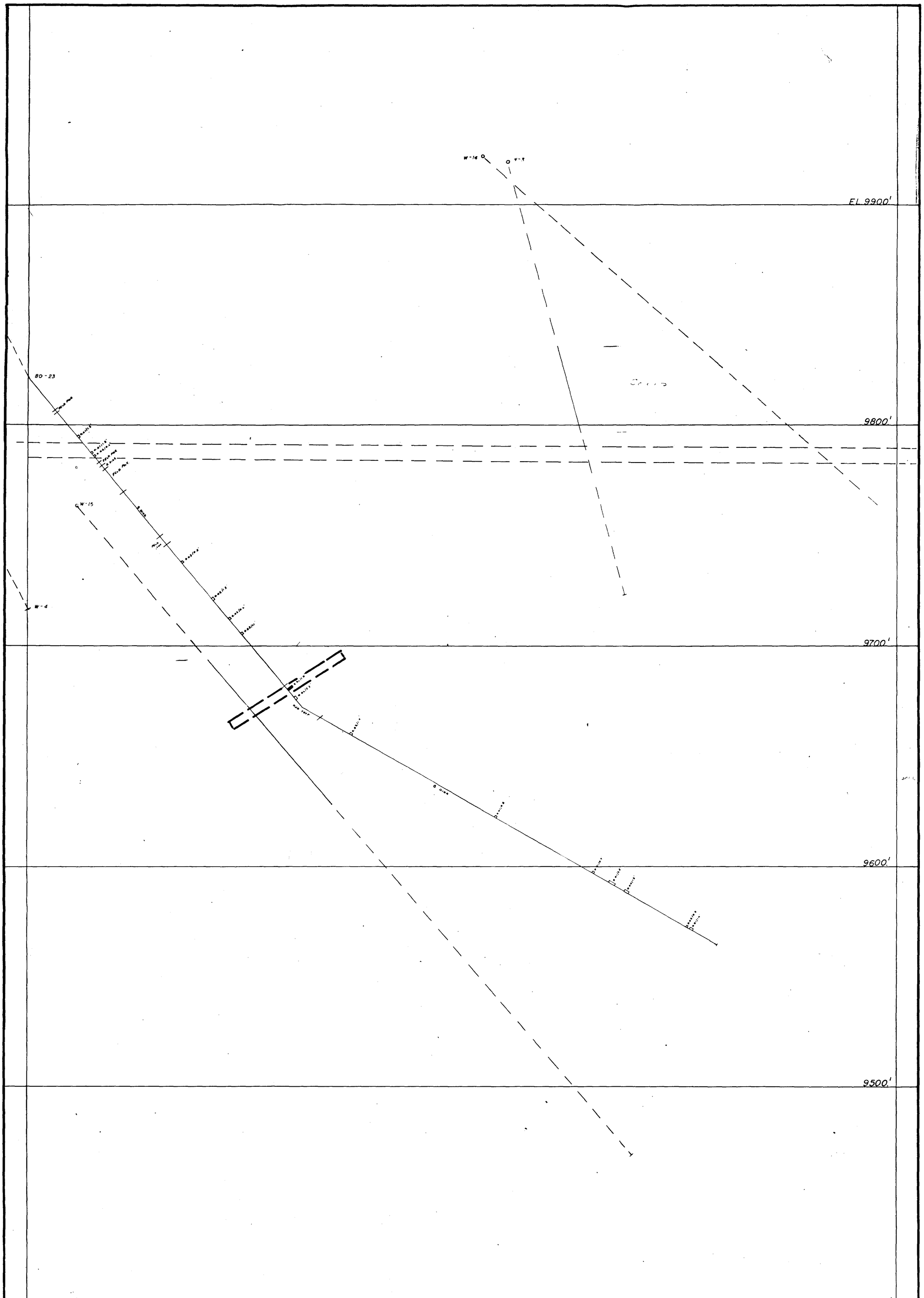
APPR'D BY
C.J. KURYLIW P. ENG.

REGISTERED PROFESSIONAL ENGINEER
C. J. KURYLIW
PROVINCE OF ONTARIO

Feb 27/81

52 F/16 NW-0065 #5 OM15-PE12-C-80

52F16NW0040 52F16NW0065 ECHO



OUTLINES OF "ORE"

63.3934

WINDFALL OILS & MINES LTD.
AREA-2A

COMPOSITE LONGITUDINAL SECTION OF D.D.H.
CENTRAL GRANODIORITE

SCALE: 1"=20'.0

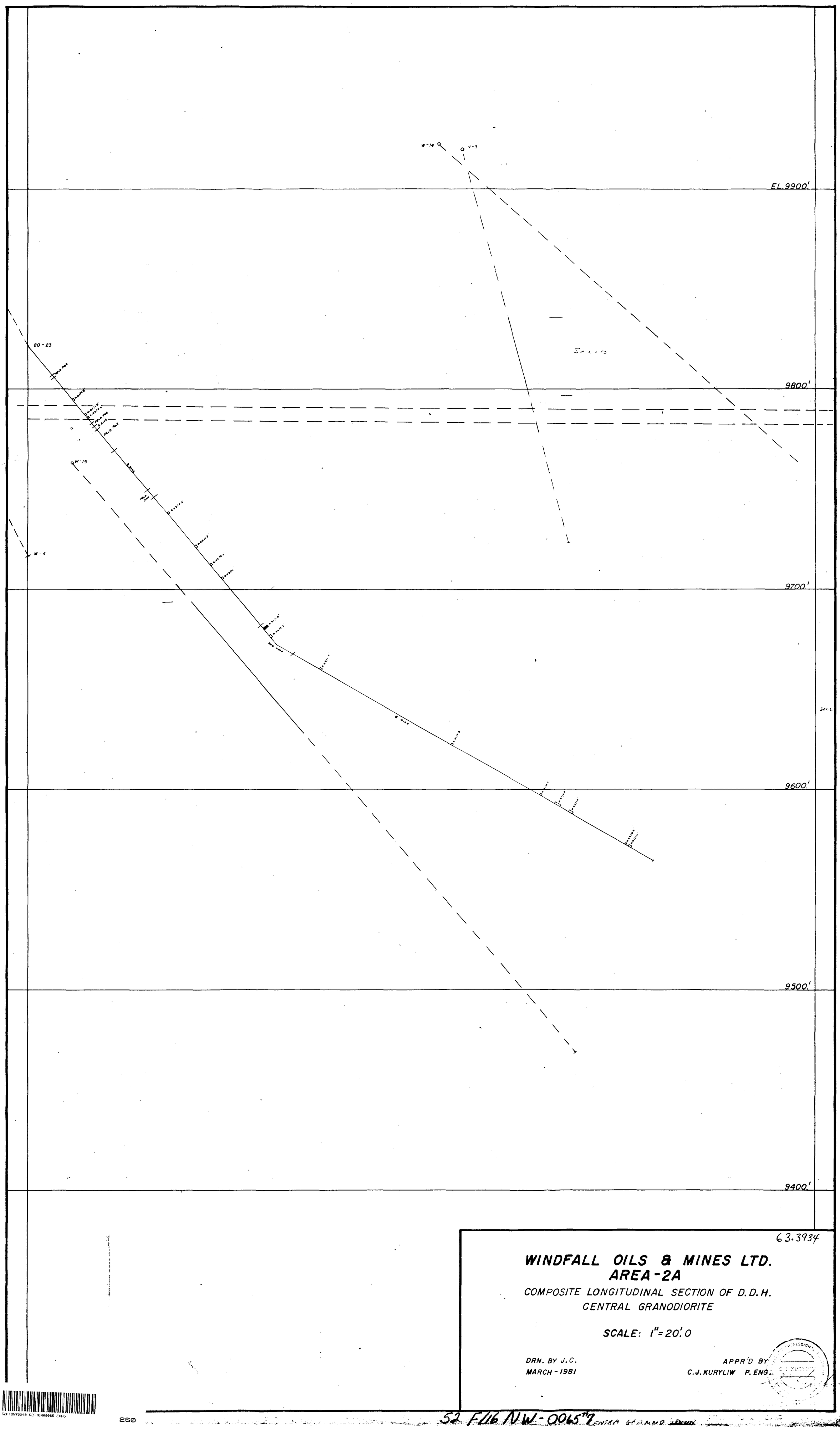
DRN. BY J.C.
MARCH - 1981

APPR'D BY
C.J. KURYLIW P. ENG.

52F16NW0040 52F16NW0065 ECHO

250

52 F/16 NW-0065 #6



63.3934

WINDFALL OILS & MINES LTD.
AREA-2A

COMPOSITE LONGITUDINAL SECTION OF D.D.H.
CENTRAL GRANODIORITE

SCALE: 1"=20'.0

DRN. BY J.C.
MARCH - 1981

APPR'D BY
C.J. KURYLIW P. ENG.

52F16NW0040 52F16NW0065 ECHO

52 F/16 NW-0065 ENGR

53 F/16NW-0065 ✱

270

53F/16NW0065 ESMO

WINDFALL OILS & MINES LTD.

AREA-2

VERTICAL SECTION N-80°E

SOUTH GRANODIORITE

SCALE : 1"=20'0

DRN. BY J.C.
MARCH - 1981

APPR'D BY
C.J.KURYLIW P.ENG.

63.393#

9400'
9600'
9800'
EL 9900'

400'±
200'±

W-1
W-10
W-14
W-2
W-9
80-16
80-10
80-28
80-15

52 F/1L NW-0065 #9

280

63.3934

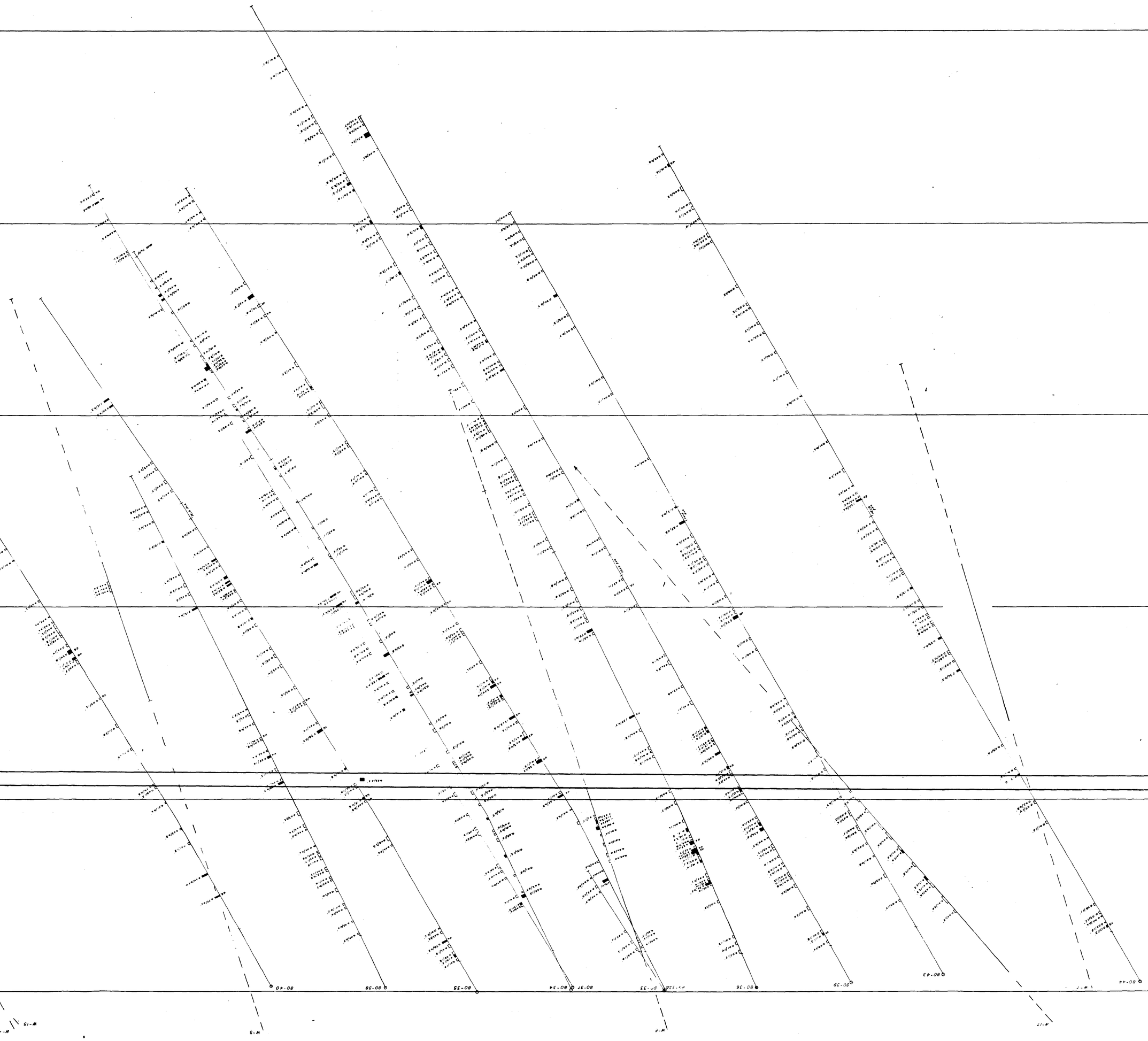
WINDFALL OILS & MINES LTD.
AREA-3
COMPOSITE LONGITUDINAL SECTION OF D.D.H.
NORTH GRANODIORITE

SCALE: 1"=20'0

DRN. BY J.C.
MARCH - 1981

APPR'D BY
C.J.KURYLIW P.ENGR.

9400'
9600'
9800'
9900'
EL. 9900'



52 F/16 NW-0065 "10

290

G.3934

WINDFALL OILS & MINES LTD.
AREA - 3

COMPOSITE LONGITUDINAL SECTION OF D.D.H.
SOUTH GRANODIORITE

SCALE: 1"=20'0

DRN. BY J.C.
MARCH - 1981

APPR'D BY
C.J. KURYLIW P. ENG.

9400'

9500'

9600'

9700'

9800'

EL. 9900'

80-72

W-4

W-3

W-16

W-6

W-17

W-7

52 F/16 NW-0065 "11

300

WINDFALL OILS & MINES LTD.
AREA - 3
COMPOSITE LONGITUDINAL SECTION OF D.D.H.
CENTRAL GRANODIORITE

SCALE: 1"=20'0

DRN. BY J.C.
MARCH - 1981-

APPR'D BY
C.J. KURYLUK P. ENG.

63.3737

9400'

9500'

9600'

9700'

9800'

EL 9900'

60-23

W-18

W-4

60-42

W-5

W-16

60-31

W-6

W-7

W-17