COMBINED GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL REPORT

DEER PARK GROUPS 1 AND 2

TRAIL CREEK MINING DIVISION

NTS 82E/8 E

LAT. 49°20'N; LONG. 118°02'W

OWNERS: Bill and Carol Ann Botel
Heinz Veerman

OPERATOR: Utah Mines Ltd.
1600 - 1050 West Pender St.
Vancouver, B. C.

By: George Norman, B.Sc.

July 13, 1979

7367

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. J. SCHMIDT

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APPENDIX I

Thin Section Descriptions by Dr. P. E. Fox, Ph.D., P.Eng. - Consultant

APPENDIX II

Geochemical Values - Cu, Mo, W, Sn F

Geological and Geochemical Core Logs

DP-1971 -	1	Diamond Drill Logs	Map Pocket
	2	Diamond Drill Logs	Map Pocket
	3	Diamond Drill Logs	Map Pocket
	4	Diamond Drill Logs	Map Pocket
	6	Diamond Drill Logs	Map Pocket
	7	Diamond Drill Logs	Map Pocket
DP-1974 -	1	Diamond Drill Logs	Map Pocket
	2	Diamond Drill Logs	Map Pocket
	3	Diamond Drill Logs	Map Pocket
	4	Diamond Drill Logs	Map Pocket
	5	Diamond Drill Logs	Map Pocket

MAPS

Geology	1:2500	Map Pocket
Rock Geochemistry	1:2500	Map Pocket
Topography	1:2500	Map Pocket

SUMMARY

Utah Mines Ltd. completed exploration on Deer Park Groups 1 and 2 during May and June, 1979. The claims are located approximately 29 kilometres west of the town of Castlegar, B. C. The field work was performed by a crew that varied from six to three men. The 1979 work program included geological mapping, geological core logging, geochemical rock chip and core sampling and an altimeter survey.

The Deer Park property is underlain by a variety of intrusive rock types including leucocratic monzonite, hornblende biotite monzonite, aphanitic quartz monzonite porphyry and alaskite. A polylithic breccia trends east-west across the intrusive grain. A dominantly north west striking, near-vertical, swarm of feldspar porphyry, andesite, lamprophyre and dacite dikes cut all the above rock types.

Molybdenite is associated with the pink/grey porphyry, dark grey feldspar porphyry and dark grey quartz monzonite porphyry dike units. The breccia also contains molybdenite as matrix disseminations and vug fillings with magnetite, hematite and pyrite.

INTRODUCTION

From the 19th of May to the 24th of June, geological, geochemical and geophysical surveys were done on the Deer Park Groups 1 and 2. The claims specifically covered by this work include Deer 1, 27, 29, 31, 33, 34; Deer Fraction, Park 5 Fraction, Camel 1, Drom 1 and Bar. The field work was undertaken by G. Norman, Geologist; B. Bowen, Geologist; J. Deighton, Geologist; I. Coster, Geological Assistant; M. Ball, Prospector; D. Dunn, Prospector; and J. Howe, Geologist's Assistant.

LOCATION AND ACCESS

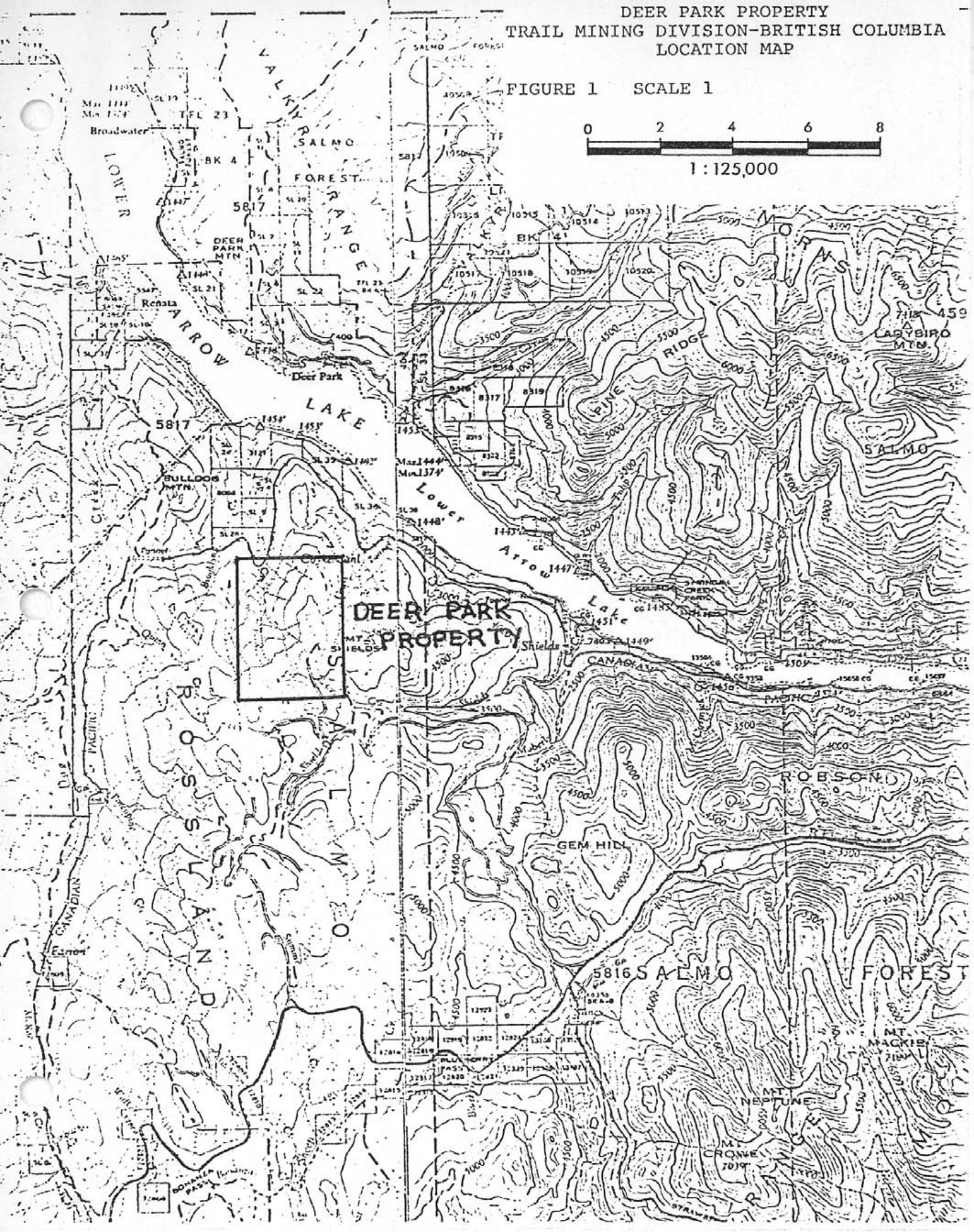
The Deer Park property is located in the Monashee Mountains, approximately 29 air kilometres west of Castlegar, B.C. The claims lie within the Kettle River map sheet, NTS 82 E/8, at latitude 49° 20'N and longitude 118° 02'W. Access to the claims is good, via either of two gravel roads which branch off Highway No. 3 in a northerly direction. The first route is 31 kilometres west along Highway No. 3 from Castlegar, then north along a gravel road for approximately 8 kilometres, the second route is 41 kilometres west along Highway No. 3 from Castlegar and then 12 kilometres north on a gravel road.

HISTORY

Previous exploration work dates back to the early 1900's when some short adits and shafts were driven on mineralized quartz veins. The property was then known as the Midas Group. More recent work by West Coast Mining and Exploration and Amax Ltd.

UTAH MINES LTD.
DEER PARK PROPERTY
TRAIL MINING DIVISION-BRITISH COLUMBIA
LOCATION MAP

FIGURE 1 SCALE 1



includes geological mapping, soil sampling, geophysical surveys and diamond drilling. In 1971 West Coast Mining drilled seven holes totalling 549 metres and during 1974 Amax drilled six holes totalling 1582 metres. To date, a total of 2131 metres has been drilled in two programs.

The property, which presently includes 33 claims, is now under the ownership of Bill and Carol Ann Botel and Heinz Veerman.

CLAIMS

Claim No.	Record No.	Claim No.	Record No.
Deer 1	316	Deer 34	4494
Deer 2	319	Deer 35	4495
Deer 3	320	Deer 36	4496
Deer 4	321	Park 5 Fr.	4466
Deer 5	322	Park 6	4458
Deer 6	317	Park 7	4459
Deer 7	318	Park 9	4461
Deer 11	4481	Park Fr.	4465
Deer 12	4482	Teddy	323
Deer 13	4483	Camel 1	5148
Deer 14	4484	Camel 25	5219
Deer 15	4485	Camel 26	5220
Deer 16	4486	Deer Fr.	327
Deer 27	4515	Drom 1	342
Deer 29	4491	Drom 2	343
Deer 31	4492	Bar	307
Deer 33	4493		

PHYSIOGRAPHY

The claims lie within the Christina Range of the Monashee Mountains, and are characterized by moderate to gentle relief in the central grid area, but very strong relief in the northern part of the claims. Elevations range from 1050 to 1700 metres. Mount Shields is a prominent landmark and rises to 1790 metres.

The region is generally heavily timbered with north facing slopes supporting thick stands while south facing slopes support more open stands of lodgepole pine. Second growth and windfall makes travel very slow in the western part of the grid.

WORK PROGRAM 1979

The 1979 field work by Utah Mines Ltd. on the Deer Park property consisted of geological remapping, diamond drill core relogging, geochemical diamond drill core sampling and geochemical surface rock sampling and an altimeter survey. The table below gives a summary of the above work.

Type of Work	Scale	Line Kilometres Mapped or Surveyed	Meterage Logged	No. of Samples
Geological Mapping	1:2500	23		
Geological Core Logging	1cm:1m		1294	
Grid Re-Establishment Station Inverval	30.5m	23		
Geochemical Core Sampling				64

Type of Work	Scale	Line Kilometres Mapped or Surveyed	Meterage Logged	No. of Samples
Geochemical Surface Rock Sampling				34
Altimeter Survey		23		

GEOLOGICAL SURVEY

Regional Geology

The area in the vicinity of the Deer Park Property is underlain by Nelson Intrusions (granodiorite, granite, monzonite and quartz monzonite) of Cretaceous age which have been intruded by Valhalla granites (Cretaceous), and Paleocene Coryell syenite, monzonite and granite.

The oldest rocks within the Kettle River map sheet (east half) are the Monashee and Grand Forks groups which include paragneiss of pre-Pennsylvanian age, minor crystalline limestone and pegmatite. These rocks occur northwest and southwest of the property. Mount Robert's formation and Anarchist rocks of probable Pennsylvanian/Permian age include greywacke, greenstone and limestone. The Rossland group is composed of a volcanic suite of rocks which are Jurassic in age and are exposed southeast of Christina Lake.

The above late Paleozoic to Jurassic age rocks are intruded by serpentinized ultrabasic bodies which are in turn cut by Nelson granodiorite.

Acidic tuff, conglomerate and sandstone of the Kettle River formation are overlain by the Phoenix volcanic group. Both groups are considered to be Paleocene or Eocene in age.

In the extreme northwest part of the map sheet, extensive flat-lying Miocence basalt and olivine basalt flows overlie all older formations.

All formations except the Miocene basalts have experienced some deformation. The north-south valleys of Christina Lake - Sander Creek and Lower Granby River - Burrell Creek valleys clearly define faults that have been initiated after the intrusion of the Nelson batholith.

Local Geology

The map area is underlain by a variety of intrusive rocks which range considerably in grain size, texture and composition. A leucocratic monzonite and a fresher looking hornblende biotite monzonite are separated by a north west trending, 600 metres wide, aphanitic quartz monzonite porphyry which is intruded by irregular medium grained alaskite bodies in the northern section.

A polylithic breccia zone trends east-west across the intrusive grain. The approximate dimensions are 1200 metres x 300 metres. Contacts with enclosing rocks are variable and can be gradational. Fragment size varies from 1mm particles to large 10 metre blocks. The presence of breccia fragments that do not represent the adjoining country rocks suggests some transportation of the fragments.

A dominantly northeast striking, near-vertical swarm of feldspar porphyry, andesite, lamprophyre and dacite dikes cut most of the above units. The dikes are both pre and post brecciation. 'Molybdenum positive' dikes are the only dikes that are contemporaneous with brecciation.

MINERALIZATION AND ALTERATION

Molybdenite, chalcopyrite, fluorite, scheelite, galena and sphalerite are present in variable amounts within the above rocks. Molybdenite is the only mineral of economic importance. It has been found associated with pink/grey feldspar porphyry, dark grey quartz monzonite porphyry and dark grey feldspar porphyry dikes within the vicinity of the breccia bodies. Molybdenite mineralization is also found within the matrix of the breccia and as vug fillings with magnetite, specularite and pyrite.

A strong magnetite-quartz stockwork is developed near the southwest corner of the west breccia zone.

Little MoS_2 mineralization has found on surface and to date only short, sporadically mineralized, sections have been encountered in diamond drilling by both West Coast Mining and Exploration and Amax. Best intersection is 15.2 metres in DP 71-7 containing 0.22% Mo. Minor amounts of copper and zinc mineralization were also encountered.

A weak clay-pyrite alteration halo is coincident with the west breccia and centered around a small, but strong, quartz-sericite-pyrite zone centered at 73+00E and 68+00N. The

quartz-sericite pyrite forms the matrix to the breccia at this locality. Some disseminated MoS_2 was also conspicuous with this alteration.

A small clay-pyrite zone was noted on the east breccia.

DESCRIPTION OF ROCK TYPES

Leucocratic Monzonite (unit 1) is the oldest rock type on the property and is exposed in the southwestern and western extremities of the map area, and as small pendants within the aphanitic quartz monzonite porphyry. It is a coarse grained, leucocratic, igneous rock composed of 40% white to pale grey feldspar and 10% fine grained mafic minerals that occur in clusters interstitial to the feldspar. Magnetite occurs with clusters of the mafic minerals.

Aphanitic Quartz Monzonite Porphyry (unit 2, 2a, 2b and 2c) underlies a 600 metre wide band within the central grid area. These rocks exhibit medium to fine grained porphyritic igneous textures with subhedral to euhedral feldspar phenocrysts in quantities up to 30%. They are contained in a fine grained, grey ground mass of quartz and feldspar. Quartz content varies but it is usually within the 20-30% range. Unit 2d was termed a grey aphanitic rhyolite feldspar porphyry because of its extremely high quartz content. Other varieties show variations in colour, percent phenocrysts and cross-cutting relationships.

Coarse Grained Hornblende Biotite Monzonite (unit 3) underlies the northeastern portion of the grid. It is equigranular to subporphyritic in texture and composed of 80% feldspar and

5-10% quartz. Contacts with the aphanitic quartz monzonite porphyry appear to be quartz rich.

A Medium Grained Alaskite (unit 4) cuts the aphanitic quartz monzonite porphyry as small irregular masses with sharp to faint contacts. It is pale white in colour, equigranular in texture, and composed of feldspar, plagioclase, and up to 40% wormy quartz. Quartz, pyrite, magnetite, galena, fluorite and molybdenite are found as fracture fills. A strong magnetite-quartz stockwork is developed within this unit near DP 74-5.

Andesite and Lamprophyre Dikes (unit 5 and 5a - 5c) range in age from pre to post breccia. The andesitesare typically dark, fine grained, biotite-rich units which locally contain K-feldspar phenocrysts. Lamprophyres (unit 5d) typically contain biotite phenocrysts set in a dark, soft, very fine grained matrix. Most dikes of both andesite and lamprophyre contain very finely disseminated magnetite.

A chloritic dacite dike (unit 5e) cuts unit 3 near the southeast extremity of the map área and contains 1-2% quartz eyes set in a fine grained, chloritic matrix.

Porphyritic Quartz Diorite Dikes (unit 6) are found as fragments within the breccia and as dikes cross-cutting the breccia. It is typified by white rectangular feldspar phenocrysts and is somewhat glomeraporphyritic in texture. It contains approximately 5-10% biotite and disseminated pyrite and magnetite.

Pink/White Feldspar Biotite Porphyry Dikes (unit 7) contain pink/white anhedral feldspar phenocrysts set in a light grey matrix which is speckled with small biotite books.

Dark Grey Quartz Monzonite Porphyry Dikes (unit 8) are both pre and post breccia and also form the matrix to the breccia. They show a medium grained, strongly porphyritic, igneous texture. Large phenocrysts are clusters of dark grey feldspar and have white feldspar rims. Smaller phenocrysts of white feldspar are subhedral to almost fragmental in nature and are set in a dark grey matrix. Biotite is present as is fine grained disseminated magnetite. Disseminations of fluorite and MoS_2 have also been noted.

Pink Quartz Monzonite (units 9, 9a) is medium to coarse grained in texture with a definite pink colouration. It contains 60-70% anhedral to subhedral 3-4mm pink feldspar crystals with 15-20% grey interstitial quartz. Total mafic content is 10-15% with some 1mm amphibole laths. Magnetite is found as discrete grains after mafics and as weak fracture fills with quartz and pyrite. Minor disseminated pyrite is found locally as well as some quartz veins containing molybdenite, chalcopyrite and pyrite.

Unit 9a is similar to above but also has the presence of wormy quartz.

Dark Grey Feldspar Porphyry (unit 10) contains 30% subrounded to subangular, coarse to medium grained, feldspar phenocrysts set in an aphanitic medium dark grey matrix. Biotite occurs as 1-2mm books. The rock often displays a glomeroporphyritic texture. Xenoliths up to 0.5 metres in diameter are not uncommon and in places the rock merges into a breccia texture.

The unit contains spotty disseminated MoS_2, galena and pyrite.

Polylithic Breccia (unit 11) varies greatly in particle size, and composition of both fragments and the matrix. The main fragment types are of the surrounding country rock but extraneous varieties suggest some transportation. Many dike rocks are both fragments within the breccia or show cross-cutting relationships. The breccia can be very tight with a quartz rich matrix or an intrusive matrix, or very open with partially filled vugs containing magnetite, specularite, pyrite, calcite or quartz. Molybdenum is associated with the quartz rich matrix or as vug fills with pyrite, magnetite and specularite.

Pink/Grey Feldspar Porphyry Dikes (units 12, 12a, 12b, and 12c) have been subdivided on the colour and texture of the feldspar phenocrysts. Pink/grey feldspar porphyry (unit 12) contains 50% anhedral to subhedral, or rounded, cream to white, feldspar phenocrysts. The feldspar phenocrysts are 4-10mm in size and have dark grey cores with cream coloured rims and are set in a light grey speckled ground mass. Magnetite is disseminated throughout the unit with local disseminations or fracture fills of chalcopyrite, minor pyrite and traces of MoS_2. Medium grey feldspar porphyry (unit 12a) is distinguishable from the above unit by grey feldspar phenocrysts and MoS_2 occuring only as fracture fills. Unit 12b contains grey feldspar phenocrysts with minor pink rims, 5-10% fine biotite and very minor visible quartz grains. Molybdenite, pyrite, magnetite and fluorite occur as both disseminations and fracture fills. This dike cross-cuts and is matrix to the breccia. Unit 24c is distinguished by feldspar phenocrysts with grey cores and pink rims. It is subglomeroporphyritic in texture with a fine grained, brownish ground mass and no visible disseminated MoS_2.

Dark Grey Andesite Feldspar Porphyry (unit 13) contains 30% 2-3mm to 10mm irregular shaped and zoned feldspar phenocrysts (creamy rim, grey lustrous centre), and 10-15% bookish biotite set in a fine grained, dark grey, groundmass. The unit is moderately magnetic, containing disseminated magnetite and pyrite.

Light Grey Feldspar Porphyry (unit 14) cuts the above unit and is similar to it, but displays a fine grained groundmass with abundant feldspar grains. Rare fluorite was noted in the groundmass.

Porphyritic Syenite Dike (unit 15) contains up to 1cm long, moderately corroded, white feldspar phenocrysts set in a pinkish-brown, fine grained, groundmass. The rock displays a subglomeroporphyritic texture.

Aphanitic Biotite Feldspar Porphyry (unit 16) shows a seriate texture and is somewhat glomeroporphyritic. Approximately 20% pinkish feldspar are about 1.0cm in diameter and euhedral to anhedral in shape. Approximately 20-30% feldspar phenocrysts range from less than 1mm to 1cm in diameter. The phenocrysts are set in a aphanitic siliceous groundmass with approximately 5-10% mafics. The unit contains disseminated pyrite, fracture magnetite, pyrite and chlorite and a trace of fluorine.

Quartz Feldspar Porphyry (unit 17a) contains approximately 10-15% whitish feldspar phenocrysts and approximately 2% 3mm quartz eyes. The phenocrysts are set in a fine grained matrix.

Quartz Eye Porphyry (unit 17) contains up to 3% 1mm quartz eyes set in a light green, clay-altered, matrix. This unit locally contains vuggy quartz veins and up to 2% disseminated pyrite cubes. Manganese staining is conspicuous on many fractures.

Porphyritic Syenite Dike (unit 18), locally contains 2-3% pyrite and 30-40% irregularly rounded feldspar phenocrysts. The phenocrysts are 2-3mm in diameter and have grey cores (clay alteration) with cream rims. They are set in a pink aphanitic groundmass.

Medium Grey Porphyritic Syenite Dike (unit 19) contains 25% coarse to medium grained feldspar phenocrysts with medium grey coloured cores and light pinkish rims. The phenocrysts are set in a dark grey matrix with minor biotite.

Porphyritic Syenite Dikes (unit 20) contains 1-2cm feldspar phenocrysts displaying a glomeroporphyritic texture. The phenocrysts are zoned with grey cores and pink rims. 5% biotite is set in an aphanitic, medium grained, groundmass. No mineralization present.

Porphyritic Syenite Dike (unit 20b) contains 20% 6-7mm anhedral to subhedral feldspar phenocrysts; some with altered cores, set in a fine grained, greenish-beige matrix of feldspar, which is weakly sericitized.

Porphyritic Syenite Dike (unit 30c) is characterized by 20% large rounded feldspar phenocrysts up to 1cm in diameter and 10% subordinate 1-2mm rounded phenocrysts. 10-15% fine biotite is set in an aphanitic, light greyish buff, groundmass.

Minor fractures contain pyrite and chlorite and a trace of fluorine.

GEOCHEMICAL SURVEY

A total of 68 geochemical core samples and 34 geochemial surface rock chip samples were collected from specific rock units located within the map area.

The geochemical core samples represent a 3 metre split section of drill core. Where the core had been previously split, the remaining core was quartered. Each sample contains only one rock type. The samples were stored in plastic bags with each sample weighing approximately 3 lbs. The surface rock chip samples represent 12-15 5-7cm size rock ships that were taken from various parts of the outcrop to give a representative rock unit sample. The samples were sent to Chemex Labs Ltd., 212 Brooksbank Avenue, North Vancouver, B.C. for analysis. After grinding and screening, the minus 80 mesh fraction was analyzed for Cu, Mo, W, Sn and F. The following chemical procedures were used in the analysis of the samples:

Sample Analyses

PPM Copper and Molybdenum: A 1.0 gm portion of sample is digested in conc. perchloric-nitric acid ($HClO_4$-HNO_3) for approximately 2 hours. The digested sample is cooled and made up to 25 mls with distilled water. The solution is mixed and solids are allowed to settle. Copper and molybdenum are determined by atomic absorption techniques.

PPM Tungsten: 0.50 gm sample is fused with potassium bisulfate and leached with hydrochloric acid. The reduced form of tungsten is complexed with toluene 3,4 dithiol and extracted into an organic phase. The resulting colour is visually compared to similarly prepared standards.

PPM Tin: 1.00 gm of sample is sintered with ammonium iodide. The resulting tin iodide is leached with dilute HCL-ascorbic acid solution. The TOPO complex is then extracted in MIBK and analyzed via A.A.

PPM Fluorine: 0.25 gms is fused with a 2:1 $NaCO_3$-KNO_3 mixture. The melt leached with water and citric acid, adjusted to pH 5.5 and the activity measured with a fluoride specific ion electrode.

Statistical analysis on 102 rock geochemical samples indicate that effective threshold values for the various minerals analyzed are: Mo, 50ppm; Cu, 65ppm; W, 40ppm; and F, 2000ppm. The fluorine analysis indicates that a bimodal distribution is present with a second, much higher, threshold of 3000ppm F. Statistical procedures were not used in the case of Sn, as only one sample was anomalous, i.e. 13ppm, whereas all other samples contained 1-2ppm.

Table 2 shows average values for most rock units and indicates the following rock units have anomalous values of either Cu, Mo, W, Sn or F:

TABLE 1

Rock Type	Anomalous Metals (Averages)
West Breccia	Cu, Mo, F
East Breccia	Cu, Mo, F
Unit 3 (near contact)	Cu, Mo
Unit 4	Mo, Sn
Unit 5	F
Unit 5b	F
Unit 6	W
Unit 7	Cu, W
Unit 8	Cu, Mo, F
Unit 9	Mo W
Unit 9a	Mo
Unit 10	Cu, Mo, F
Unit 12	Cu, Mo
Unit 12b	Cu, Mo
Unit 13	F
Unit 18	Cu

Table 3 shows anomalous geochemical relationships and indicates that the most common mineral assemblage or association is Cu, Mo, F and this is typified by the breccia unit.

Although there is a weak correlation between anomalous Mo-W values and Cu-W within the rock units there is no Cu-Mo-W associations within a single rock unit. The tungsten, for the most part, appears to be associated with specific rock units that contain W as an anomalous mineral ie. units 9, 12b, 4 and 8. Anomalous fluorine values are contained in a wide variety of rock types. There are no rock types that contain anomalous values Cu, Mo, W, F within the same sample.

TABLE 2

Averages (ppm)

Rock Type	Cu	Mo	W	Sn	F
West Breccia (22)	86*	87*	25	1	2104*
East Breccia (7)	80*	100*	28	1	2443*
Unit 1^{3}	25	11	5	1	1840
Unit 2^{3}	13	10	11	1	540
Unit $2a^{1}$	10	14	12	1	1480
Unit 3^{1} near contact	174*	106*	30	1	1280
Unit 3^{3}	16	7	18	1	1360
Unit 4^{6}	60	64*	25	3*	589
Unit 5^{2}	24	4	9	1	2305*
Unit $5b^{1}$	32	28	25	1	2450
Unit 6^{4}	39	11	43*	1	1655
Unit 7^{1}	196*	14	40*	1	1400
Unit 8^{5}	88*	174*	37	1	2587*
Unit 9^{4}	39	50*	39*	1	1757
Unit $9a^{1}$	30	64*	17	1	1490
Unit 10^{3}	180*	129*	18	1	2649*
Unit 11 - see above					
Unit 12^{2}	202*	133*	15	1	1230
Unit $12a^{3}$	25	33	13	1	990
Unit $12b^{9}$	65*	488*	29	1	1796
Unit $12c^{5}$	135	19	8	1	1308
Unit 13^{1}	18	21	14	1	2650*
Unit 14^{1}	22	3	5	1	1710
Unit 15^{0}					
Unit 16^{1}	46	22	25	1	1410
Unit 17^{5}	7	10	6	1	964
Unit $17a^{1}$	6	5	4	1	990

Rock Type	Cu	Mo	W	Sn	F
Unit 18^{1}	114*	15	15	1	830
Unit 19^{0}					
Unit 20°					
Unit $20a^{2}$	26	15	18	1	1295
Unit $20b^{0}$					
Unit $20c^{1}$	10	7	10	1	740

9^{2} - the 2 denotes number of samples

* represents anomalous values

TABLE 3

ANOMALOUS GEOCHEMICAL RELATIONSHIPS

Cu F	Mo W	Cu Mo	Cu W F	Cu	Mo	Cu Mo F	Mo W F	W	F Mo	Cu W	F W	F
11^{2}	11^{1}	12^{2}	11^{1}	4^{1}	11^{3}	11^{5}	5^{1}	9^{1}	9^{1}	7^{1}	11^{1}	11^{1}
10^{1}	$12b^{1}$	$12b^{1}$			$9a^{1}$	$12b^{4}$		12b	11^{4}	6a	2^{2}	$12b^{2}$
18^{1}		3^{1}			$12b^{3}$	10^{2}		4^{1}	8^{1}		6^{1}	13^{1}
		11^{2}			$12a^{1}$	5^{1}		8^{2}			9^{1}	$12c^{2}$
					4^{2}	8^{1}						1^{1}
												5^{1}
												$5b^{1}$

Note:

11^{2} - the lower number (11) respresents the rock unit
- the upper number (2) represents the number of anomalous occurrences.

ALTIMETER SURVEY

A total of 4 man days were spent collecting elevation readings on 23 kilometres of grid line within the immediate map area.

A Thommen altimeter, accurate to ± 1 metre, was used to take readings at 30.5m (100 feet) station intervals along picket lines spaced 61m (200 feet) apart.

Station BL 70+00N and 82+00E was used as the base station for the survey. All other stations were measured relative to it. Stations along baseline 70+00N between 43+00E and 114+00E were established first, then loops were run off the baseline making sure to tie back into known stations. Variations in pressure change were accounted for by noting the time at each station reading and plotting time versus reading change graphically for each particular loop. A plus or minus correction would then be taken into account for each station.

The survey was tied into a horizontal control point located at the summit of Mount Shields. A 206 B Jet Ranger was used for transportation for this part of the survey. The base station was found to be 220 metres lower in elevation than that point. The horizontal control point is at an elevation of 1788.6 metres.

CONCLUSIONS AND RECOMMENDATIONS

The Deer Park property is underlain by a variety of intrusive rock types including leucocratic monzonite, hornblende biotite monzonite, aphanitic quartz monzonite and alaskite. A polylithic breccia zone (1200m x 300m) trends east west across the intrusive grain. A dominantly north west striking, near vertical, swarm of feldspar prophyry, andesite, lamprophyre and dacite dikes cut many of the above rock types.

Molybdenite is associated with the pink/grey porphyry, dark grey feldspar porphyry and dark grey quartz monzonite porphyry dikes. Molybdenite is also found with magnetite, specularite and pyrite as vug fillings within the breccia and as disseminations in the matrix of the breccia.

The pink quartz monzonite (unit 9, 9a) contains geochemical anomalous values in Mo and above background values in W.

Geochemically, highest average values for W were from units 6 and 7. Highest average values for Mo were reported from units 12, 12b, 8 and 10; all feldspar porphyry dikes.

Both east and west breccia contain geochemically anomalous values in Cu, Mo and F.

In conclusion it is the opinion of the author that molybdenite is associated with a feldspar prophyry dike complex that is localized within an intrusive breccia zone. The breccia is the result of forceful escape of gas, volatiles and magma material from a deeper source. The feldspar porphyry units represent dikes from that source.

It is recommended that the zone be tested at depth by diamond drilling.

STATEMENT OF COSTS

1) Salaries

Name	Title	Man Days	$/Day	Subtotal	Total
G. Norman	Geologist	45 @	$72.69	$3271.05	
B. Bowen	Geologist	27 @	$80.00	$2160.00	
I. Coster	Geological Assistant	38 @	$33.65	$1278.70	
D. Crowe	Geologist	12 @	$57.69	$ 692.31	
M. Ball	Prospector	8 @	$45.19	$ 361.54	
D. Dunn	Prospector	3 @	$49.04	$ 147.12	
J. Deighton	Geologist	2 @	$85.00	$ 170.00	
J. Howe	Geologist's Assistant	2 @	$38.46	$ 76.92	
					$8157.64

2) Food Costs

112 man days @ $15.00/day	$1680.00	$1680.00

3) Motel Costs

112 man days @ $11.00/day	$1232.00	$1232.00

4) Vehicle Costs

1 - GMC 4 X 4 3/4 ton pick-up		
a) Rental 39 days @ $21.60/day	$ 842.66	
b) Gas & Maintenance	$ 342.15	
1 - Ford 4 X 4 3/4 ton pick-up		
a) Rental 21 days @ $23.53/day	$ 494.20	
b) Gas & Maintenance	$ 161.49	
		$1840.50

5) Helicopter Costs

Highland Helicopters Ltd.		
206B Jet Ranger .6 hr @ $315.00/hr	$ 189.00	
fuel	$ 25.00	
		$ 214.00

STATEMENT OF COSTS - CONTINUED

	Subtotal	Total
6) Shipping Charges		
Pacific Western Airlines	$ 46.14	$ 46.14
7) Geochemical Analysis		
Rock Geochem. for Cu, Mo, Sn, W & F 102 Samples @ $10.72/sample	$1,093.44	$ 1,093.44
8) Thin Section Costs		
Peter Fox - Consultant Preparation & Report 30 thin sections @ $30.00/sample	$ 900.00	$ 900.00
9) Map and Reproduction Costs	$ 300.00	$ 300.00
	GRAND TOTAL	$15,463.72

G. Norman July 13/79

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA

A. J. SCHMIDT

A. Schmidt July 13/79

STATEMENT OF QUALIFICATIONS

The field work and report preparation was done by the following persons whose qualifications are outlined below.

G. Norman, Geologist for Utah Mines Ltd., Vancouver, British Columbia: Professional Geologist of Alberta, member of the Association of Professional Engineers, Geologist and Geophysicists of Alberta. Completed B.Sc. (Honours Geology) at the University of Alberta in 1973; employed by Imperial Oil during the 1972 field season as a geologist's assistant; employed by Canadian Superior Ltd. from May, 1973 to October, 1973 as a field geologist; employed by Kaiser Exploration Ltd. from November, 1973 to December, 1974 as a field geologist; employed by Utah Mines Ltd. from April, 1975 to September, 1975 as a field geologist, under the supervision of M.J. Young, P.Eng., attaining permanent staff status in January, 1976, under the supervision of A.J. Schmidt, P.Eng.

B. Bowen, P.Eng., Geologist for Utah Mines Ltd., Vancouver, British Columbia. Completed B.A.Sc. at the University of British Columbia in 1970; worked as a student during the summer field seasons with Cominco Ltd. in 1967 and 1968 and with Wayland S. Read, Consulting Geologist, Vancouver, British Columbia in 1969; employed as a field geologist, Gibralter property, May 1970 to October, 1970 by Placer Development Ltd.; employed as a field geologist, Alice Spring, N.T., Australia, from March, 1971 to December, 1971 by Central Pacific Minerals, N.L.; employed as mine geologist, Tungsten, Northwest Territories, Canada from May, 1972 to March, 1974 by Canada Tungsten Mining Corporation; employed by Utah Mines Ltd. from March, 1974 to date as a geologist under the supervision of A.J. Schmidt, P. Eng.

Don Crowe, Temporary geologist, Utah Mines Ltd., Vancouver, British Columbia. Completed B.Sc. at the University of British Columbia in 1976; employed by Cominco Ltd., Canex Placer Ltd. and Utah Mines Ltd. in the summers of 1973, 1974 and 1975-78 respectively as an assistant geologist; employed by Utah Mines Ltd. as of April, 1979 as a field geologist, under the supervision of A. J. Schmidt, P.Eng.

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• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

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CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47919
INVOICE NO. 30880
RECEIVED June 25/79
ANALYSED July 2/79

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
V6E 3S7

ATTN:

ROCKS

SAMPLE NO. :	PPM Cu	PPM Mo	PPM W	PPM Sn	PPM F
72751	38	12	4	1	1700
72752	42	12	5	1	2080
72753	26	16	3	1	1100
72754	24	12	5	1	1530
72755	56	19	8	1	1620
72756	104	66	7	1	1300
72757	40	20	10	1	1610
72758	300	>200 *	22	1	1160
72765	112	49	60 *	1	2650
72766	24	85	65 *	1	1520
72767	26	59	60 *	1	1650
72768	12	39	17	1	2200
72769	52	124	12	1	1970
72770	56	41	40	1	2980 *
72771	74	38	25	1	3080 *
72772	84	112	25	1	2750
72773	88	>200 *	14	1	1080
72774	88	85	15	1	2510
72775	205	>200 *	17	1	2690
72776	205	35	20	1	2810
72777	130	152	17	1	2410
72778	18	21	14	1	2650
72779	22	3	5	1	1710
72780	34	47	70 *	2	1640
72781	26	48	14	1	2110
72782	42	27	12	1	3950 *
72783	10	7	10	1	740
72784	22	14	15	1	970
72785	114	15	15	1	830
72786	12	12	75 *	1	2430
72787	28	32	36	2	1550
72788	56	70	12	1	2080
72789	34	5	15	1	2990 *
72790	40	62	75 *	1	2610
72791	186	200 *	15	1	2880
72792	170	82	25	13	1260
72793	68	14	14	2	350
72794	46	22	25	2	1410
72795	174	106	30	1	1280
72796	30	13	17	1	1640

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Pierre G. Hunt

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ROCKS

SAMPLE NO. :	PPM Cu	PPM Mo	PPM W	PPM Sn	PPM F
72797	100	120	20	2	2490
72798	196	14	40	1	1400
72799	122	20	70 *	1	1490
72800	30	64	17	1	1930
72801	6	104	55 *	2	900
72802	12	80	17	1	200
72803	28	17	20	1	1350
72804	22	5	8	1	170
72805	14	2	2	1	1620
72806	10	1	1	1	2610
72807	6	2	2	1	870
72808	18	28	12	1	340
72809	6	1	12	1	1640
72810	66	38	14	1	1690
72811	56	88	55 *	1	2410
72812	40	30	12	1	2310
72813	6	5	10	1	1500
72814	58	15	60 *	1	3040 *
72815	6	5	4	1	990
72816	82	>200 *	12	1	2690
72817	4	4	4	1	1050
72818	10	44	40	1	350
72819	12	48	20	1	250
72826	14	52	30	1	680
72827	10	5	5	1	1390
72828	22	4	2	1	960
72829	14	4	4	1	1010
72830	10	1	1	1	560
72831	106	12	10	1	470
72832	6	3	1	1	750
72833	8	10	10	1	400
72834	12	9	35	2	530
72835	22	10	40	1	680
72836	40	>200 *	20	1	285
72837	46	66	14	1	430
73838	12	3	27	1	1300
72839	8	38	3	1	760
73851	410	>200 *	17	2	3800 *
72852	14	200 *	12	2	1970
72853	52	70	30	1	340

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Jerome A. Sifridson

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ATTN:

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ANALYSED July 2/79

ROCKS

SAMPLE NO. :	PPM Cu	PPM Mo	PPM W	PPM Sn	PPM F
72854	10	14	12	1	1480
72855	8	16	14	1	1050
72856	6	154	20	1	600
62857	470	140	20	1	730
72858	88	152	20	2	1850
72859	16	9	14	1	1060
72860	32	28	25	1	2450
72861	70	78	25	1	2780
72862	30	74	25	1	2850
72863	128	34	20	1	3720 *
72864	30	13	35	1	1620
72865	42	12	45	1	1850
72866	52	20	65 *	1	2680
72867	14	>200 *	30	2	2870

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Thomas A. Hoffstrand

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CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 48060

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INVOICE NO. 30923

RECEIVED June 29/79

ATTN: Mr. George Norman

ROCKS

ANALYSED July 7/79

SAMPLE NO. :	PPM Cu	PPM Mo	PPM W	PPM Sn	PPM F
72868	72	190	30	2	1770
72869	168	>250	35	1	3510
72870	146	>250	25	1	>4000
72871	110	>250	20	1	>4000
72872	34	>250	22	1	3630
72873	285	>250	32	1	3380
72874	42	49	60	1	1930
72875	54	30	40	1	2530

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EXPLOR[illegible]

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CERTIFIED BY: Hart Bichle

File Deer Park
Geochem.

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CERTIFICATE OF ASSAY

CERTIFICATE NO. 65540
INVOICE NO. 30953
RECEIVED July 8, 1979
ANALYSED July 9, 1979

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
V6E 3S7

ATTN: George Norman

SAMPLE NO. :	% Mo
72869	0.048
72870	0.112
72871	0.232
72872	0.039
72873	0.042

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CTA MEMBER CANADIAN TESTING ASSOCIATION

HOLE NO.: DP-71-4 | PROJECT: DEER PARK | PAGE NO.: 1 OF 10

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: July 28/71 | REF. TO CLAIM CORNER:

COORDINATES: N. 63+16 E. 77+74 | DATE FINISHED: Aug 4/71 | SCALE: 1cm : 1m

INCLINATION: 57 SW | BEARING: | TOTAL DEPTH: 141.4 m | LOGGED BY: GEN May 1979.

7367

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	SULPHIDES (1cm % mag)	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
0								0-0.6 OVER BURDEN								
								0.6-5.25 POLYLITHIC BRECCIA (11)								
								2b blk altern sericit; 27 dk filling sericite, clay; sharp; 2b similar to below descrip. only descrit have the glom. porph feldspar; sericite f-v biot infilling.								
								- variable frag size 1m - <1mm, vuggy w/ hematite, py, sericite biot, clay alter. - strong vuggy to weakly vuggy. 27 - cm. size frag 15% upto 0.5cm whtish feldspar phenos. w/ aphanitic grdmass. grey (w/ finely dissem mag. mafic → Mt								
5					Mod	spec.		sharp 45°								
								5.25-6.0 LAMPROPHYRE (5d) m-f-g biot. ang. mod mt. bio → ep⁻ soft - qtz deficient.								
								6.0-10.3 POLYLITHIC BRECCIA. (11)								
								vuggy w/ spec. infill; 2b dike or frag. Porph. Feld. Biot Syenite <5% aglom porph feld (20 phenos ~ 1cm. 50-60 2mm feld. phenos. ~ 5-10 biot <1mm. <1% dissem Mt. Lt brn color; 19 Porph. and. dike? frag? dissem mt.; 2b serie clay alter in matrix; str spec. py filling str clay alter								
								some prevasively clay alter'd frag. 19. 30-40% wht blocky to lath. feld phenos. f-g grey grndmass. 5% mafic, dissem mag.								
10					Mod	spec.										
								10.3-10.7 LAMPROPHYRE (5d) m-g augite lamprophyre f. biot, mod mt.								
								augite → ep								
								10.7-11.8 POLYLITHIC BRECCIA (11)								
								str spec. py lim. ser. clay; 27 str clay altern of frag								
								11.8-12.6 PORPHYRITIC ANDESITE (5b) <5% sub rounded wht feld phenos w/ hb, biot f-g mass								
								fissem mt flu. biot text. of lath hb.								
								12.6-14.9 Polylithic Breccia (11)								
								dissem py w/ peacock tonish covellite? py, F, speculite, clay; spec, ph ser, clay vug filling								
15					Mod	spec		Sharp								

BQUL

7-10

HOLE NO.: DP-71-4 | PROJECT: DEER PARK | PAGE NO.: 2 OF 10

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: 141.4 m | LOGGED BY: GEN

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% mag	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
15								DESCRIPTIVE GEOLOGY									

148-15.3 BIOTITE LAMPROPHYRE (5a)

Spec py. ser. clay matrix some str clay alter'd frag. vuggy

Hornblende Andesite. (5a)
f-m-g hb andesite dike mod mag. minor dissem py. -f 4mm hb. lath in wkly silic groundm's.

spec, py.
large frag. of rhy feldsp. por
vuggy infilling spec. py, ser clay (green mixture) w/limonite

(11)

Porphyritic Hornblend + Biot Andesite. (5a)
10% 2 mm rounded feldspar phenos. 10-15 hb phenos and biot. mod mag.

Biotite Lamprophyre.
dense biot phenos in f-g gmdmass.

large frag. (18b). porph and 20b.

some parts of breccia are extremely vuggy w/good specularite pyrite infilling.

large frag rhy feld por

vuggy w/hem, py filling

Porphyritic biotite feldspar and mod mag.

dissem. mt & vnlts.

some qtz cementing vuggy w/spec. py infilling

str crackled w/qtz mag cement.

% mag	SULPHIDES
<1%	Tr
3%	1%
<1	—
<1	—
3%	1%
<1	—
<1	—
3	1%

HOLE NO.: DP-71-4 | PROJECT: DEER PARK | PAGE NO.: 3 OF 10

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm: 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 141.4 m | LOGGED BY: GEN

SECTION	ALTERATION: silica	sericite	clay	chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	hem % mag	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
30																	
					str vuggy wk	MT		vuggy w/ spec, py. ser clay; 28; 18b - mafic rich		4	1-2						
								frag → clay; hb → mt + k		<1							
						spec MT		strly vuggy spec hem + mag; mag → hem; py⁻, qtz.; Mt → hem; limonite w/ black paint oft'n; large frag rhy feld porph.		15							
										6	<1						
35					mod	MT hem.				3-4%							
					mod	MT		dissem. mag. mod. clay ser alt		3-4%							
					mod str vuggy			good vuggy breccia w/ str mag > spec in filling; some qtz introduction; sericite spotty; wk limon.		10%							
40						spec, MT											
			ep			MT				<1							
					mg	MT		sharp		<1							
						MT spec		spec hem mag ser clay.		7%	<1						
45																	

(11) POLYLITHIC BRECCIA CONT'D

28 - 5% 2-3mm feldsp. 5% biot f-g grndm. mod silic. dissem Mt.

-31.1-31.6 Porphyritic Biotite Andesite (5c)
< 5% anhedral - lath shaped wht feldspar phenos w/ 30-40% biot. hb. fine phenos < 1mm. in f g grndmass. mod mag.

qtz eyes (1mm). conspicuous in rhy feld. porph.

(11)

36.6 - 37.9 V. Fine grained breccia - ave grain size 1-10mm w/ odd larger frag. - dissem. mag wk'ly vuggy

41.9 - 42.2. Andesite (5a)
5% 3mm. feldspar phenos w 1% biot phenos in f. felty biot hb. feldspar grndm. 30-40% mafic.

42.8. Andesite Lamprophyre?
dk f-g dk. v-f- mafics. w/some biot? hb phenos < 1mm, also 1mm. olivine? Wsl. mod mag.

HOLE NO.: DP-71-4 | PROJECT: DEER PARK | PAGE NO.: 4 OF 10

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm = 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 141.4 m | LOGGED BY: GEN

SECTION	ALTERATION: silica	sericite	clay	chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% MT	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
45					mod vuggy	M Ser		qtz, ser, mag → hem. infilling vuggy, ± fine biot., dissem Mt									
								? ser; clay, ser vnH.									
50					wk to mod	F Mt - Py		mag, clay F; bx. vuggy w/mag → hem. infilling; dissem mag some vnts.									
					mod	Mt		qtz cement some ser. vuggy open.									
55					mod	Mt → hem		radiating spheroidal fleshy blotches appeared to be caused be mag → hem; blackish tarnish mag → oxi; MT, chl									
						Mt		27. 26. sharp. feldspar phenos come & go.									
					wk	Mt											
60																	

45.0 - 45.2 LAMPROPHRYRE (5a)
DK f-g soft biot rich dyke.

breccia w/large fragments
(11)

2b 50% rectangular shaped phenos, 5% mafic. dissem mag, some ep.

56.8 - 59.6 Porphyritic feldspar Hornblende Andesite (5c)
- m-f-g hb bio. porph. feld. anch. rounded. < 5% feld. phenos.

HOLE NO.: DP-71-4 | PROJECT: DEER PARK | PAGE NO.: 5 OF 10

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1 cm : m

INCLINATION: | BEARING: | TOTAL DEPTH: 141.4 m | LOGGED BY: GEN

SECTION	ALTERATION: silica	sericite	clay	chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
60																
					mod	Mt		chl, mag anhdr	(11)	3						
					mod	Mt		biot → mt		6%						
					mod	Mt chl		vug lined w/calcite		3%						
						Mt		vuggy but unk. filling								
				ep	wk	Mt			63.0 - 64.3 Porphyritic Andesite (5b) <5% upto 1cm whtish rnded feldspar phenos, w/ 10% biot phenos < 1mm. mod sil dissem Mt	<1						
65					wk	Mt		tight breccia frag size upto 4cm		3						
								bio → Mt Mt hair line vnlts.		6						
					wk	Mt py		1cm clay altern envelopes out from fract.		2-3	<1					
						Mt		patchy pervasive clay alteration								
70					mod	Mt		hairline Mt patchy dissem chl altern								
						Fch		(5b) calc, F intersitel	(5b) Porphyritic Andesite - 10% rounded feldspar phenos in f-g matrix of chl matic, qtz, feld 1-2% dissem py minor dissem. Mt. 1	2	<1					
								no core								
						Mt		(2c) tight breccia w/ silica cement frag size up to 10cm.	Buff Aphanitic Qtz-Monz. Porphyry (2c) buff siliceous frags v-minor < 1mm feldspar phenos	2						
					mod	Mt py				3	1					
75																

HOLE NO.: DP-71-4 | PROJECT: DEER PARK | PAGE NO.: 6 OF 10

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1 cm : 1 m

INCLINATION: | BEARING: | TOTAL DEPTH: 141.4 m | LOGGED BY: GEN

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
75					mod	Mt		dissem mag biot → mag Mt, chl. & Mt vnlts	Polylithic Breccia Cont Mt vnlt. cuts lab frag but not matrix.	3						
					mod-str	Mt		tight, minor vugs Trace MoS_2, F	(11)							
								vug w/ wk qtz, calc lining		2-3				75.5 - 78.5		
								minor open vugs.								
									79.1 - 82.8 ANDESITE DIKE (5b) biotite, hb andesite f-m-g w/ some sections w/ up to 5% feldspar phenos, mod mag.							
80					wk	Mt		2/mm calc vnlt 6/0.5m.		<1%			BQ/L			
					Str	Mt		chl, Mt and Fr.	open vuggy breccia wk. Mt. (11)	2						
								hairline Mt, calc.								
85					str wk	Mt		(6)		2						
								vuggy but open								
								(2b)	Grey Aphanitic Qtz-Monzonite Porphyry.							
						Mt		tight w/ siliceous frag. str qtz cement w/ dissem Mt. ave frag size 2-0.5 cm.	(2b) - 30% rounded to blocky pinkish feldspar up to 1cm. in grey v-siliceous grndmass 5% mafics biot. & hb. some dissem Mt.	3-4						
						Mt		tight. mostly siliceous frag. dissem Mt								
90					wk				89.6 - Porphyritic Andesite (5b) similar to above dike.	<1						

HOLE NO.: DP-71-4
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: BEARING:

PROJECT: DEER PARK
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH: 141.4 m

PAGE NO.: 7 OF 10
REF. TO CLAIM CORNER:
SCALE: 1cm:1m
LOGGED BY: GEN

SECTION	ALTERATION: silica	sericite	clay	chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% mag	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
90																		
				1	mod-str	py		1mm qtz py vnlts. feldspar → clay. (2b)	90.2 - 92.2 Grey Aphanitic Qtz-Monz. Porph. (2b) grey v-siliceous 1x. upper section appears to have some silica alteration. 90.2 - 91.2. split section. No MoS2 visible		3	<1					
				1		Mt		this section closer to 26.										
				1				26a										
					mod-wk			poor recovery			1%							
									(6). Feldspar Porphyritic Qtz-Diorite some what glomeroporphyritic (larger phenos. up to 1cm). 5-10% - 40% smaller phenos. angular to rect. 5% mafics dissem mag relatively fresh									
95				EP				6										
					str vuggy	Mt		open vuggy breccia minor qtz lining & some qtz cement.	open vuggy breccia., poor		1-2%							
								(6)										
100								mag, chl altered frag - clay py vug w/ qtz Kspar.										
						py												
						Mt		chl, & mag, dissem + vnlt.										
								?	103.7-104.7 Porphyritic Qtz-Diorite (6) rectangular to block feldsp. 5-10% mafic		<1%						
						Mt		(6)										
								?										
105																		

HOLE NO.: DP-71-4 | PROJECT: DEER PARK | PAGE NO.: 8 OF 10

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm:1m

INCLINATION: | BEARING: | TOTAL DEPTH: 141.4 m | LOGGED BY: GEN

SECTION	ALTERATION: silica	sericite	clay	chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% mag	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
105										1	1						
					Str	py, sp & hem, Mt		split; spec. hem + py on Fr.; clay altern out from Mt vnlt.; py, hem, & mag stockwork		2%	3%						
								chl, mt, Fr									
110								Mt, chl, py on Fr.		3%							
				mod str		Mt-		dk f-g and. dike? frag. large agglom pheno.; vuggy open, minor qtz cement; micro breccia str qtz cement ?cm mag vn minor chl; biot → Mt, hairline Mt vnlts; 3mm mt		3%							
		?						open breccia vuggy. minor silica cement; ser?; str dissem Mt plus pervasive clay altern of f-g groundmass		1-2							
115				Str		Mt-		open vuggy breccia w/minor partial calc lining; similar to 26 but brn. matrix coloration.									
	*				=			qtz, chl calcite infilling & partial lining of vugs; specks F w/calc; vuggy in spots, wk chl lining.		2							
						= Mt				2	1						
120																	

(11) POLYLITHIC BRECCIA.

large frag. of rhyolite feldspar porph.

115.0 - 116.1 str broken rock poor recovery.

119.0 - 119.3 fine Gr. Andesite. Dike (5)

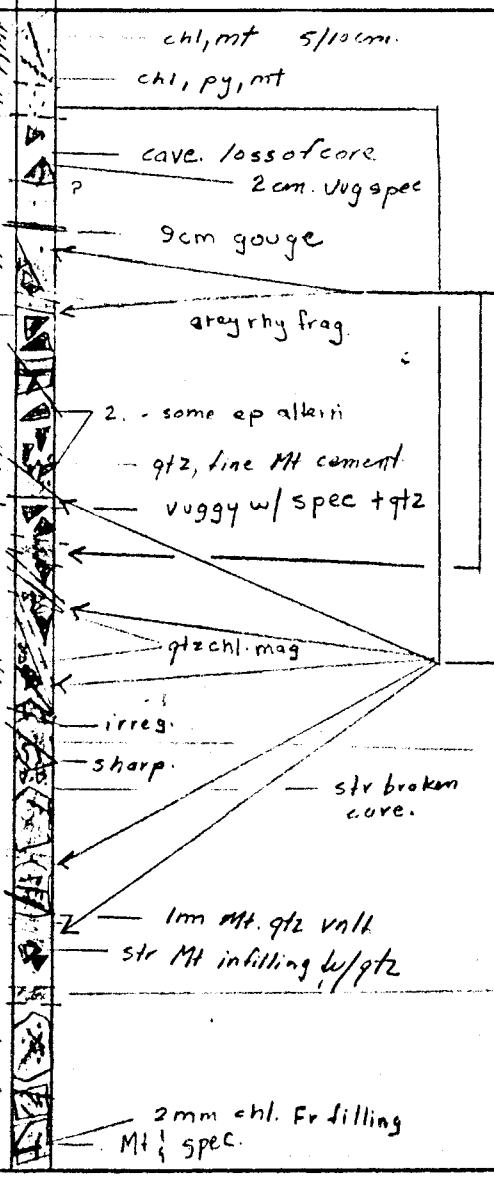
HOLE NO.: DP-71-4 | PROJECT: DEER PARK | PAGE NO.: 9 OF 10

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm : 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 141.4 m | LOGGED BY: G.E.N.

SECTION	ALTERATION: silica	sericite	clay	chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% mag	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
120																	
125																	
130																	
135																	



(11) POLYLITHIC BRECCIA CONTD
w/ andesite dikes & large frag.

122.7 - 122.8 FAULT

Porphyritic Andesite dikes.
mod. magnetic w/ minor dissem Mt.

small f-g-dk andesite dikes. (5)

(2d) Grey Aphan. Rhyolite Porphyry dike
cuts mafic rich intrusive (1)

f-g andesite dike. (5)

HOLE NO.: DP-71-4 | PROJECT: DEER PARK | PAGE NO.: 10 OF 10

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm : 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 141.4 | LOGGED BY: GEN

SECTION	ALTERATION: Silica	sericite	clay	chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% Mt	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.	ESTIMATED
135				1c	str	calc, Mt		calc, chl, mt infilling vugs w/ calc xtls lining.	(11) POLYLITHIC BRECCIA CONT'D									
					wk str	Mt		biot → Mt			3-4							
						Mt		vug w/ calc qtz⁻ chl⁻ partial lining.	dk f-g andesite dike (5)									
				1c	wk str	Mt		chl, cal; mag chl, cal.			4							
								sharp.			4							
								calc. Mt, qtz⁻ matrix mod vuggy			<1							
140					mod	Mt.					2					139-141		
									141.4 End of Hole.						BQ WL			

PAGE NO.: 1 OF 10

CASING COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: N. 63+16 E. 77+74

INCLINATION: 57 SW

BEARING:

PROJECT: Deer Park

DATE STARTED: July 28, 1971

DATE FINISHED: Aug. 4, 1971

TOTAL DEPTH: 141.4 m

HOLE NO.: DP-71-4

REF. TO CLAIM CORNER:

SCALE: 1cm : 1m

LOGGED BY: G.E.N.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
7	10	72861			70	78	25	1	2780

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 2 OF 10

PROJECT: Deer Park

HOLE NO.: DP-71-4

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm:1m

INCLINATION:

BEARING:

TOTAL DEPTH: 141.4 m

LOGGED BY: G.E.N.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM					FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
					Cu	Mo	W	Sn	F										

15

20

25

30

PAGE NO.: 3 OF 10

PROJECT: Deer Park

HOLE NO.: DP-71-4

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm: 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 141.4 m

LOGGED BY: G.E.N.

	DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
			SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM							SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
	FROM	TO				Cu	Mo	W	Sn	F	FROM	TO								
30																				
35																				
40																				
45																				

PAGE NO.: 4 OF 10

PROJECT: Deer Park

HOLE NO.: DP-71-4

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm : 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 141.4 m

LOGGED BY: G.E.N.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F	FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

45

50

55

60

PAGE NO.: 5 OF 10

PROJECT: Deer Park

HOLE NO.: DP-71-4

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm; 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 141.4 m

LOGGED BY: G.E.N.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F	FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
60																			
65																			
70																			
75																			

PAGE NO.: 6 OF 10

PROJECT: Deer Park

HOLE NO.: DP-71-4

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm: 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 141.4 m

LOGGED BY: G.E.N.

CORE										SLUDGE									
DEPTH INTERVAL		SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM					DEPTH INTERVAL		SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
FROM	TO				Cu	Mo	W	Sn	F	FROM	TO								
75.5	78.5	72862			30	74	25	1	2850										

75

80

85

90

PAGE NO.: 7 OF 10

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 141.4m

HOLE NO.: DP-71-4

REF. TO CLAIM CORNER:

SCALE: 1cm : 1m

LOGGED BY: G.E.N.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
103.7	104.7	72786			12	12	75	1	2430

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 8 OF 10

PROJECT: Deer Park

HOLE NO.: DP-71-4

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm:1m

INCLINATION:

BEARING:

TOTAL DEPTH: 141.4 m

LOGGED BY: G.E.N.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
		SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM							SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
FROM	TO				Cu	Mo	W	Sn	F	FROM	TO								

105

110

115

120

PAGE NO.: 9 OF 10

PROJECT: Deer Park

HOLE NO.: DP-71-4

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm: 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 141.4 m

LOGGED BY: G.E.N.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F	FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

120

125

130

135

PAGE NO.: 10 OF 10

PROJECT: Deer Park

HOLE NO.: DP-71-4

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1 cm : 1 m

INCLINATION:

BEARING:

TOTAL DEPTH: 141.4 cm

LOGGED BY: G.E.N

	DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
	FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~Assay~~ PPM Cu	Mo	W	Sn	F	FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
135																				
140	139	141	72863			128	34	20	1	3720										
145																				
150																				

HOLE NO.: DP-71-1
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: N. 67+10 E. 70+57
INCLINATION: -45°
BEARING: 270° Az.

PROJECT: Deer Park
DATE STARTED: July 15, 1971
DATE FINISHED: July 20, 1971
TOTAL DEPTH: 67.7 m

PAGE NO.: 1 OF 5
REF. TO CLAIM CORNER:
SCALE: 1cm : 1m
LOGGED BY: G.E.N.

7367

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
0									0-0.61 OVERBURDEN							
					Mod	Mt		w/Qtz-Mt veinlets oxidized	0.61-1.8 BRECCIA (11) Aphanitic Feld. porph frag; Qtz-Mt. veinlets oxidized							
					Mod-Wk			?	1.8-2.7 Porphyritic Andesite Dk. (5b)							
								? Fine fractures w/ Py	2.7-3.2 Aphanitic Qtz-Monzonite Porph. (2) Flow band? Lt. grey siliceous groundmass 5-10% 1-2 mm Anhedral fspar phenos							
					Wk			60° to C.A.	3.2-4.6 Porphyritic Andesite Dk. (5b) ; Frag. of aphanitic fspar porphyry Moderately altered lower contact							
5					Mod	Py		← 10 cm brecciated, fine Py around vuggs	4.6-7.6 Aphanitic Qtz-Monz. Porph. (2) fine disseminated Py throughout; some minor patchy clay alteration	<1%			BQWL			
						Py		40° to C.A. limonitic fractures								
						Mt		60° to C.A. vuggy Qtz Mt veining, largest 1 cm wide @ 50° to C.A.	7.6-9.0 Breccia Zone (11?) Siliceous frags + diss. Py; Siliceous groundmass; Aphanitic fspar porph frags; Tight breccia → silicic + pyritic groundmass; Also (18a or 18b) type frags	<1%						
					Wk-Mod	Py										
								? 80° to C.A.	9.0-9.9 Aphanitic Qtz-Monz. Porph (2)							
10					Mod	Py		chilled upper margin (1-2cm) 70°	9.9- Aphanitic Qtz-Monz. Porph (2a) 40-50 white fspar phenos; Glomero-porph (1-4mm) Aphanitic groundmass <5% fine 1mm fine mafics (some) zenoliths of fine buff frags.	~1%				12-15		
						Py		zenoliths of fine buff frags								
								frac. @ 70° to C.A.								
15						Py										

HOLE NO.: DP-71-1
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: N. 67+10 E. 70+57
INCLINATION: -45°
BEARING: 270° Az.

PROJECT: Deer Park
DATE STARTED: July 15, 1971
DATE FINISHED: July 20, 1971
TOTAL DEPTH: 67.7 m

REF. TO CLAIM CORNER:
SCALE: 1cm:1m
LOGGED BY: G.E.N.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% Mt. SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
15																
					Mod	Py		70° zenoliths of fine buff frags	-18.6 Aphanitic Qtz-Monz. Porph. (2a)	~1%						
						Py		70°								
20				Epo	Mod	Mt.		? frags of glomero porphyritic andesite; contact fr. carry F	18.6-22.3 Porphyritic Andesite (5b) Glomero-porphyritic (in part) w/ Fspar → chlorite or epidote; (epidote alt.); glomeros up to 0.7mm; phenos 1-2 mm; aphanitic grey-green groundmass w/ < 5%; moderately magnetic	Tr. <1%						
						F		lower contact @ 55° to C.A.								
25				Chlorite	Mod	Py Mt Cpy		Py veinlets; Mt-Py+specks cpy in fractures (60° to C.A.)	22.3-27.2 Breccia (11) Frags mostly (18), andesite; aphanitic Fspar porphyry, somewhat vuggy w/ py-Mt. infilling vugs; also chlorite as matrix; some py veinlets; Mt-py+specks cpy in fractures	<1% <1%			BQWL			
						Py		3mm py vein								
						Mt Py Cpy		tight breccia								
								lower contact @ 20° to C.A.								
						Mo		Py veinlets lower contact @ 30 to C.A.	27.2-27.7 Fine grained Andesite (5) dark grey, aphanitic	<1%						
					WK	Py, Mo		3cm wide Qtz, Py, Mo								
						Py		Brecciated contact with frags of (26c) and (26)	27.7-28.9 Buff Aphanitic Qtz-Monz. Porph. (2c) Buff silicious frag, aphanitic gd.mass 1-5% feld phenos 1-2 mm; <1% fine diss. Mt.; also hairline Mt.	<1%				29-32		
30				Chlorite		Py		Upper contact chilled								

HOLE NO.: DP 71-1 | PROJECT: Deer Park | PAGE NO.: 3 OF 5

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm : 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 67.7 m | LOGGED BY: G.E.N.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% Mt.	% Hem.	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
30				chlorite	Mod	Py		chlorite and minor Py on fractures @ 55° c.a.	28.7-33.1 Aphanitic Qtz-Monz. Porph (2) Brown-grey siliceous matrix; 40% 1-3mm anhedral fspar phenos; 5% 1mm very fine mafics; some very fine Py diss.; chlorite + minor py on fracture			<1%			BQWL	29-32		
						Py		Flourite + minor Py in fracture 1-3mm										
					Mod to strong	Py, Fl.		lower contact chilled from of (2bc) 45° Py-Fl-Ca-Qtz, Py-Qtz vein hairline cut across contact; hairline Mt-Py veinlets	33.1-34.1 Buff Aphanitic Qtz-Monz. Porph. (2c)	Tr.	Tr							
								sharp contact @ 60°	34.1-34.8 Breccia ? or dike of 2bd w/ frags (11?) of 2bc (up to 80% in places)									
35					Mod	Ca, Fl, Py		Ca, Fl, Py on fractures @ 45% to C.A. (3mm)	34.8-36.1 Buff Aphanitic Qtz-Monz. Porph. Fine Py-Mt veinlets and diss. fine Py and fine Mt.; both 1-2% (2c)	Mt. 1-2%	Py 1-2%							
					Mod to strong				36.1-37.0 Gr. Aphanitic Rhyolite Porph. (2d)									
					Mod to Sh.	Py, Fl		fractures: Cl, Fl, Py (Mo or Mt.)	37.0-37.7 Breccia (silicified) (11) frags size < 1cm most frags look siliceous, matrix is siliceous MoS_2 + Py, diss. Py + Py ± cl fractures	1-3%	1-3%							
						Py		Cl, Py on fractures @ 50° - 20/m										
					Mod to Sh.	Fl		weak fracture @ 45°	37.7-45.75 Grey Aphanitic Rhyolite Porphyry (2d) diss. Mt. + Py 1-3%									
40						Fl, Py		45° 41.0m to lower contact appears more bleached										
					Mod					<1%	<1%							
45																		

HOLE NO.: DP-71-1 | PROJECT: Deer Park | PAGE NO.: 4 OF 5

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm : 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 67.7 m | LOGGED BY: G.E.N.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	Mt. % Hem. SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
45					Mod	Mt.		lower contact @ 50°	-45.75 (2d CONT.) 45.75 - 47.0 Aphanitic Qtz-Monz Porphyry (2) diss. Mt. 10-15% 1-2 mm Phenos; (1m lost core)	<1%						
					Mod	Mt.		weakly vuggy w/ Qtz-Mt 50° to C.A.	47.0 - 49.1 Breccia (11) 26D matrix (similar to Breccia @ 37.0-37.7 minor specks MoS_2; matrix somewhat silicious	<1% Mt. 4%				47-49		
50					Weak				49.1 - 50.6 Aphanitic Qtz-Monz Porphyry (2) occasional hairline fractures							
					Mod			60° to C.A. chilled margin	50.6 - 51.0 Fine gr. Andesite (5)							
					Str. Mod	Py Fl Py MoS_2		Strong Py vuggy Fl. on frac Some leaching vuggy Qtz vein @ 55° (some bleaching) Same as above but @ 1cm each side of vein Fl, Py, Mt? Fract's 27/.5 m @ 52.5 m diss Py + MoS_2 in rx. calcite veins @ 45°	51.0 - 54.5 Aphanitic Qtz-Monz. Porphyry (2)	Tr. >1%			BQWL			
55					Wk - Mod			Banding @ 50° to C.A.	54.5 - 56.5 Grey Aphanitic Rhyolite Porph. (2d) looks similar to (2)							
			?		Strong				56.5 - Aphanitic Qtz-Monz. Porphyry (2) hairline Fractures w/ Py; occassional diss. Py; some minor veining; brown discoloration to Rx	<1%						
60																

HOLE NO.: DP-71-1 | PROJECT: Deer Park | PAGE NO.: 5 OF 5

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm : 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 67.7 m | LOGGED BY: G.E.N.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% Mt.	% Hem SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
60			?		Strong	Py Zn Cpy Po Mt Fl Hem		Py Zn(Sphal), cPy, Pb(Gal) veinlets up to 5 mm @ 60° Mt-Py vein @ 60° Fl Qtz Hem, Mag Ser? vein @ 60° to C.A. contact @ 45° to C.A.	-64.4 Aphanitic Qtz-Monz. Porphyry (2) continued	<1%	<1%			BQWL			
65					Mod.			Flow banding @ 30° to C.A. green silicious frags	64.4-65.3 Breccia (11) w/ Lt. green flow banded rhyolite (26.E); 1-2 mm white anhedral fspar; 5% of rx. younger than (26) tight silicious breccia w/ green silicious frags 65.3-66.4 Gr. Aphanitic Rhyolite Porph. (2d)								
								some diss. Py	66.4-67.7 Breccia (11) greenish silicious tight breccia which may be matrix of flow banded rhyolite.		<1%						
								EOH @ 67.7 m									
70																	
75																	

PAGE NO.: 1 OF 5

CASING COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: N. 67+10 E. 70+57

INCLINATION: -45°

BEARING: 270° Az.

PROJECT: Deer Park

DATE STARTED: July 15, 1971

DATE FINISHED: July 20, 1971

TOTAL DEPTH: 67.7 m

HOLE NO.: DP-71-1

REF. TO CLAIM CORNER:

SCALE: 1cm : 1m

LOGGED BY: G.E.N.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem. ~~ASSAY~~ PPM Cu	Mo	W	Sn	F	FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
12	15	72854			10	14	12	1	1480										

PAGE NO.: 2 OF 5

PROJECT: Deer Park

HOLE NO.: DP-71-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm : 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 67.7m

LOGGED BY: G.E.N.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	P	DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
29	32	72855			8	16	14	1	1050										

PAGE NO.: 3 OF 5

PROJECT: Deer Park

HOLE NO.: DP-71-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm: 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 67.7 m

LOGGED BY: G.E.N.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem. ~~ASSAY~~ PPM Cu	Mo	W	Sn	F	DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
29	32	72855			8	16	14	1	1050										

30

35

40

45

PAGE NO.: 4 OF 5

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 67.7m

HOLE NO.: DP-71-1

REF. TO CLAIM CORNER:

SCALE: 1cm:1m

LOGGED BY: G.E.N.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
47	49	72856			6	154	20	1	600

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 5 OF 5

PROJECT: Deer Park

HOLE NO.: DP-71-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm : 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 67.7 m

LOGGED BY: G.E.N.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
		SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM							SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
FROM	TO				Cu	Mo	W	Sn	F	FROM	TO								
60																			
65																			
70																			
75																			

HOLE NO.: DP-71-2
COLLAR ELEV.:
COORDINATES: N. 67+10 E. 70+60
INCLINATION: -50°
GROUND ELEV.:
BEARING: 70°

PROJECT: Deer Park
DATE STARTED: July 20, 1971
DATE FINISHED: July 26, 1971
TOTAL DEPTH: 89.9 m

PAGE NO.: 1 OF 6
REF. TO CLAIM CORNER:
SCALE: 1cm:1m
LOGGED BY: G.E.N.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% Mt.	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
0									0.0-1.0 Overburden								
						Mo Py		MoS_2 veinlet 1mm cuts matrix + frags. Speck of MoS_2	1.0-8.0 Breccia (11) silicious matrix w/(Qtz, Py, Sericite; most frags of (2), some frags altered;		4-5% Py						
						Py Mt		some Mt. in fractures ↓more frags of (1) 50% 4.4-6.0 frag of (2) w/ diss Mt. + Py + fine hairline fractures w/ Mt. greenish-br. sericite alt. of matrix Strong Py Frac. @ 40°	may be small silicious frags w/ very fine MoS_2; frags fresh esp. (18) where biotites only slightly attacked and altered to chlorite; some corrosion of frag edges by alt.	Tr.					3-6		
5					Mod to Strong			Mt. veinlets stop at frac.	6.2-8.0 mostly frags of (1), and smaller frags of (2); strong Py + minor Mt. matrix w/ specks of MoS_2; one piece of core at end of section showing volcanic And. brecciating (26) frags and again brecciated by Andesite								
						Py		Py veinlet 6mm, also Py-sericite veinlets		<1%	6-10% Py						
						Cp		moderate-strong Py veinlets	8.0-9.0 Aphanitic Qtz-Monz. Porphyry (2a) w/Qtz-Sericite-Py Alteration		1%						
10					Mod			? MoS_2 in vug and fracture 60° 50°	9.0-9.4 Breccia (11) chlorite-Mt. fracture veinlet in frags; Kspar alter. within breccia; also Qtz near contact; Mins: Mt, Py, Mo	<1% Mt <1% Cp				BOWL			
						Py Mo		MoS_2 veinlet w/ Py + Qtz along fracture	9.4-10.8 Fine Grained Andesite (5) fine grain, dark green, moderately Magnetic								
						Py Mt		Chlorite-Py-Mt fractures	10.8-Aphanitic Qtz-Monz. Porphyry (2) 30% 2-3mm pink anhedral Fspar phenos in greyish, silicious aphanitic matrix containing fine Py diss; hairline Py-sericite veinlets;	<1%	2-3% Py						
15					Mod	Mt Fl		specks of Flourite, mostly chlorite now on fractures chlorite-Mt on fractures	some diss. Mt. (occasionally hairline)								

HOLE NO.: DP-71-2 | PROJECT: Deer Park | PAGE NO.: 2 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm : 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 89.9 m | LOGGED BY: G.E.N.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
15						Mt.		Chlorite-Mt. fractures w/occas. Qtz-Mt veinlet on frac. w/envelope of sericite @ 45° on veinlet frag of porph. Andesite	– 18.0 Aphanitic Qtz-Monz Porph (2) continued							
						Mt. Py		2mm Qtz-Mt. veinlet @ 60° w/ Py-Mt + Py on fractures		<1% 2-3%						
					Mby			? chlorite on fractures	18.0 - 18.9 Fine grain Andesite Dike (5) moderately magnetic							
								contact @ 60° occasional Chlorite-Mt. on fractures	18.9 - 20.0 Aphanitic Biotite Fspar Porph. (16) up to 1 cm 5% glomero-porph; 2-3 mm, 15% euhedral; < 5% mafics (1mm) in siliceous medium grey groundmass; whitish-pink fspars							
20					Wk-Nby (No)	Ca Mt.		Ca on fractures both contacts @ 40° to C.A.	20.0 - 21.0 fine grained Andesite Dike (5) moderately magnetic							
								Qtz-sericite-Py vein, strong. 1cm @ 50°	21.0 - 26.8 Aphanitic Qtz-Monz. Porphyry (2)				20 WL			
						Mo Mo? Py		as above, 4cm, Kspar? @ 60° fine bluish tinge: MoS_2?								
					Nby To Strong			as above w/ vuggy Qtz brecciated rx. 5cm @ 70°								
25								as above, 1cm @ 60° w/ MoS_2 in frac. cutting @ 90° to frac.		<1% <1%						
						Mt?		fine hairline fractures to contact. Mt + sericite? 30 fractures/meter								
				Efx	Wk			? weak calcite fractures	26.8 - 27.7 Porphyritic Fspar Biotite Andesite (5c) glomero-porph. fspars up to ½ cm; some epidote alteration; moderately magnetic; cuts (2) w/ brecciation along contact							
						Ca		1cm clay alt. band w/ discontinuous Qtz-Mt vein								
					Mo?	Mo Mt		1mm Qtz veinlets @ 50° MoS_2 on contact	27.7 - 29.0 Aphanitic Qtz-Monz. Porphyry (2) some clay alteration	Tr						
					Mo-Wk	Mt Py		contact indistinct @ 60° over 2cm	29.0 - Grey Aphanitic Rhyolite Porph. (2d)							
30																

HOLE NO.: DP-71-2 | PROJECT: Deer Park | PAGE NO.: 3 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm:1m

INCLINATION: | BEARING: | TOTAL DEPTH: 89.9 m | LOGGED BY: G.E.N.

SECTION	ALTERATION: Silica, Sericite, Clay, Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	Mt. % Hem	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
30	"Epy"	Wk	Mt. Py		Mt-chlorite-Py fractures	-31.4 Grey Aphanitic Rhyolite Porphyry (2d) grey-green siliceous aphanitic groundmass; 10% 2mm Fleshy phenos unhedral; minor diss. Mt.	<1%	<1%			BQWL			
					? contact @ 50°	31.4-31.8 Fine Grained Andesite Dike (5)								
		Wk	Mt		chlorite-Mt. fractures contact @ 45° w/banding	31.8-32.8 Gr. Aphanitic Rhyolite Porphyry (2d)								
			Py-Mt		Py-Mt frac's @ 50°	32.8-35.6 Aphanitic Qtz-Monz Porphyry (2) minor diss. Mt.								
35		Mod	Py, Mt, Fl, Mt, Py		Fl-Ser-Mt-Cl-Qtz ½cm @ 40° strongly in frac's w/ Mt and Mt-Qtz stockwork of ser-Qtz-py Py 2-3% @ 35°; Qtz-Fl-Py-Mt @ 10° (2-3mm)		3-4% Mt <1% Py							
			Py Mt		? open fractures @ 30° py + minor Mt.	35.6-38.3 Aphanitic Qtz-Monz. Porphyry (2a) very similar to above w/ zenoliths of (2) up to 2-3 cm; Mt veinlets discontinuous and share								
		Mod			contact ragged @ 40°		Tr	<1%						
					contact @ 60°	38.3-38.7 Fine grained Andesite (5)								
40		Mod	Py Mc Mc Mt. Mc cpy Mo Mt. Mt Py		39.4-41.8 mod-strong alt. silicified rx, Qtz-ser. MoS_2 frac. @ 70° Qtz + Qtz-Mt veins cut Frags + alter. Frag of (1) cpy + MoS_2 specks occ. MoS_2 frac. fill Qtz-ser vein @ 60° w/chl-Mt. 2-4mm Qtz-Ser. vein // C.A. 44.0-45.6 Frac. w/chl. + mod. to strong Qtz-Mt + Py; 4-5% Mt <1% Py;	38.9-45.6 Breccia (11) w/ frags of (2) + (1); mod to strong alter. Qtz, Py, Ser, minor Mt.; split core from 38.9-43.6						39.4-41.8		
45						pinkish coating due to kspar alter.								

HOLE NO.: DP-71-2 | PROJECT: Deer Park | PAGE NO.: 4 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm : 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 87.9 m | LOGGED BY: G.E.N.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	Mt % Hem SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
45						P,Mt			-45.6 Breccia (11)							
					Mod			sharp contact @ 60°	45.6-49.6 Porphyritic Andesite Dike (5b) somewhat glomero porphyritic texture; phenos up to 1cm; 5% phenos					46-49		
50					Mod	Mt. Ca		? Calcite fracture fill	49.6-50.9 Porphyritic Qtz-Diorite (6) 5% blocky phenos (up to 7mm); dark cores + whitish rims blocky to rectang. glomero porph; 40% fine-v.f. 1-2mm euhedral-anhedral whitish phenos; 5% mafics → chlorite; one disc. Mt, f.gr. groundmass; some And. + Andesite porph.							
								contact @ 50°	50.9-51.0 Porphyritic Andesite Dike (5b)							
					Wk	Mt. Ca		Weak calcite + chlorite on fractures	51.0-53.7 Porphyritic Qtz-Diorite (6) as @ 49.6-50.9 but also chlorite on fractures							
								?	53.7-54.0 Porphyritic Andesite Dike (5b)							
55					Mod	Ca		?	54.0-57.6 Porphyritic Qtz-Diorite (6) as @ 49.6-50.9 but more chlorite near lower contact				BQWL	54-57		
						Ca		contact @ 85° to C.A.								
								} 57.9-58.2 non-porph.	57.6- Porphyritic Andesite Dike (5)+(5b)							
								} 59.2-59.7 non-porph								
60																

HOLE NO.: DP-71-2 | PROJECT: Deer Park | PAGE NO.: 5 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1 cm : 1 m

INCLINATION: | BEARING: | TOTAL DEPTH: 89.9 m | LOGGED BY: G.E.N

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	Mt. % Hem	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
60					Strong	Cr		60.5-62.5 fine calcite fracture fills approaching stock work	~62.5 Porphyritic Andesite Dike (5)+(5b)								
				* * *	Mod			? 4cm frag. of porph. And. diss. chlorite chilled contact	62.5-64.7 Porphyritic Qtz-Diorite (4) strongly chloritized								
65					Mod	Py, Fl, Mo, Py, Mo, Py		? 64.7-66.0 mod. Py stockwork; 15cm And. dike; lower contact @ 75° w/ trace Fl. in Qtz vein @ contact; 10cm porph. And. Dike; 0.9m finely brecciated area w/ matrix of Qtz, chlorite + MoS_2; lower contact @ 60°	64.7- Aphanitic Qtz-Monz. Porphyry (2) Strong frac. w/ Py stockwork		5% Py						
70					Mod to Strong	Mt, Py, Mo, Py		67.4-72.8 strongly frac. w/ chlorite ± Py; diss MoS_2 + finely diss Mt.; frac. @ 80°; 1.2m bleached alteration; 2cm silicified band @ 40° w/ altered envelopes		<1%	<1%			BQWL			
75						Py, Fl		contact @ 30° dark f. gr. Andesite Dike contact @ 40° diss. Py									

HOLE NO.: DP-71-2 | PROJECT: Deer Park | PAGE NO.: 6 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm : 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 89.9 m | LOGGED BY: G.E.N.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	Mt. % Hem SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
75					Mod to Strong	Py, Fl		diss. Py Py on frac's @ 60° w/ weak Fl. on frac's 16 frac's / ½ m contact @ 80° to C.A.	-77.6 Aphanitic Qtz-Monz. Porphyry (2) (continued)		<1%						
								15cm chilled margin contact @ 60°	77.6 - 78.5 Porph. Qtz-Diorite (6)								
								contact @ 60°	78.5-79.0 Porphyritic Andesite (5b)								
80					Mod			contact sharp @ 60° contact sharp? @ 30°	79.0-79.7 Porphyritic Qtz-Diorite (6) 79.7-80.0 Porphyritic Andesite (5b) 80.0-82.6 Porphyritic Qtz-Diorite (6)								
								?	82.6-89.9 (Weakly) Porph. Andesite (5b)								
85					Mod to Strong	Py, Mt.		1.1m slight greenish color 1mm Py frac. Fill @ 10°	83.2-88.0 Aphanitic Qtz-Monz. Porph. (2) hairline fracture fill of Chlorite and minor Mt. and minor Py		<1% Mt. <1% Py			RQD 44			
						Mt. Fl.		Mt-Qtz veinlets @ 40° minor Fl. on fractures									
								contact distinct @ 50° dk. f.gr. weakly porph. And. (0.5 m) ? feldspar phenos → Epidote									
90				Epi		Py		Fractures @ 10° + 40° w/ Py + chlorite (weak)	E.O.H. @ 89.9 m								

PAGE NO.: 1 OF 6

CASING COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: N. 67+10 E. 70+60

INCLINATION: -50°

BEARING: 90°

PROJECT: Deer Park

DATE STARTED: July 20, 1971

DATE FINISHED: July 26, 1971

TOTAL DEPTH: 89.9 m

HOLE NO.: DP-71-2

REF. TO CLAIM CORNER:

SCALE: 1 cm : 1 m

LOGGED BY: G.E.N.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
3	6	72857			470	140	20	1	730

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 2 OF 6

PROJECT: Deer Park

HOLE NO.: DP-71-2

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm : 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 89.9 m

LOGGED BY: G.E.N.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
					Rock Geochem ~~ASSAY~~ PPM										ASSAY				
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	Cu	Mo	W	Sn	F	FROM	TO	SAMPLE NO.	LBS. REC.	% REC.					

15

20

25

30

PAGE NO.: 3 OF 6

PROJECT: Deer Park

HOLE NO.: DP-71-2

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm:1m

INCLINATION:

BEARING:

TOTAL DEPTH: 89.9m

LOGGED BY: G.E.N.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
39.4	41.8	72858			88	152	20	2	1850

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 4 OF 6

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 89.9 m

HOLE NO.: DP-71-2

REF. TO CLAIM CORNER:

SCALE: 1cm

LOGGED BY: G.E.N.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
45									
46	49	72860			32	28	25	1	2450
50									
54	57	72859			16	9	14	1	1060
60									

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 5 OF 6

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 89.9 m

HOLE NO.: DP-71-2

REF. TO CLAIM CORNER:

SCALE: 1cm: 1m

LOGGED BY: G.E.N.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F	FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
60																			
65																			
70																			
75																			

PAGE NO.: 6 OF 6

PROJECT: Deer Park

HOLE NO.: DP-71-2

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm: 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 89.9 m

LOGGED BY: G.E.N.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	Rech Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F	FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

75

80

85

90

HOLE NO.: DP-71-3
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: N.67.+10 E.70+58
INCLINATION: -90°
BEARING: 90°

PROJECT: Deer Park
DATE STARTED: JULY 26, 1971
DATE FINISHED: JULY 27, 1971
TOTAL DEPTH: 28.3 m

PAGE NO.: 1 OF 2
REF. TO CLAIM CORNER:
SCALE: 1cm : 1m
LOGGED BY: G.E.N.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% Mt. Hem. SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
0									0.0 - 1.5 Overburden							
5			?	?	Mod to Strong			Fractures @ 90°	1.5 - 7.5 Breccia (11) limonitic to 4.0 m; MoS_2 + Py silicious matrix; frags contain sericitized fspar flooding into fresh pinkish fspar; green sericitic alteration around frags; clay alt. around frags? vuggy in places frags mostly (26) but 10% (18)	5-6% Py; <1/4% MoS_2						
10					Mod			? contains frags of breccia on upper contact (20b)	7.5 - Porphyritic Andesite (5b)				BQWL			
15																

HOLE NO.: DP-71-3 | PROJECT: Deer Park | PAGE NO.: 2 OF 2

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm : 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 28.3 m | LOGGED BY: G.E.N.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% Mt. Hem. SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
15									-23.8 Porphyritic Andesite (5b) (continued)							
20					1/0.3											
								lower contact @ 30°					BQ NL			
								core split from contact to 27.8 m	23.8-28.0 Leucocratic Monzanite (1)							
25								chlorite on frac. @ 90°	white fspar 90%, mafics 10% (biotite or hornblend)							
						Py-Mt		-2-3 mm wide Py-Mt vein parallel to C.A.	pyrite after mafics, some diss. Py	Tr 2-3% Py						
					Vsy			contact @ 15° to C.A.								
						Py			28.0-28.3 Aphanitic Biotite fspar Porph. (1b) weakly magnetic minor diss. Pyrite	<1% Mt 2% Py						
								? EOH @ 28.3 m								
30																

HOLE NO.: DP-71-6
COLLAR ELEV.:
COORDINATES: N. 62+76 E. 89+70
INCLINATION: -47°E
GROUND ELEV.:
BEARING: 90°

PROJECT: Deer Park
DATE STARTED: Aug. 8, 1971
DATE FINISHED: Aug. 10, 1971
TOTAL DEPTH: 87.5 m

PAGE NO.: 1 OF 6
REF. TO CLAIM CORNER:
SCALE: 1cm:1m
LOGGED BY: G.E.N.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	Mt. % Hem SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTI-MATED
0									0.0-0.8 Overburden							
					Mod	Mt		?	0.8-2.0 Porphyritic Qtz-Diorite (6) Fspar porph. w/ white sub-euhedral fspar phenos; locally mod. Mt. stockwork	<1%						
						Mt		minor Qtz-Mt vein contact @60°	2.0-2.5 Porphyritic And. (5b) w/occ. Py Frac. Fill	<1%						
						Mt		minor Qtz-Mt veining @60°	2.5-2.6 (1) as @ 0.8-2.0	<1%						
								Mt. stockwork w/ strong Qtz	2.6-3.0 Biotite Andesite Dike (5a) weakly chloritized							
									3.0-4.1 Aphanitic Qtz.-Monz. Porphyry (2) locally Qtz rich							
5									4.1-4.6 lamprophyre (5d)							
									4.6- Porphyritic Syenite Dike (20a) large fspar phenos w/white rims and grey cores; no sulphides post-mineral dike							
						Mt.										
					Very Weak			Fractures @40° w/ minor Mt-Chlorite								
10										<1%			BQWL	9-12		
						Mt.										
15																

7367

HOLE NO.: DP-71-6 | PROJECT: Deer Park | PAGE NO.: 2 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm : 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 87.5 m | LOGGED BY: G.E.N.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	Mt, % Hem SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
15					Very Weak	Mt.		fractures @ 40° w/ minor Mt-chlorite	-17.1 Porphyritic Syenite Dike (20a) continued							
20					Mod 6-8/½ m	Mt Py MnO2 Mt, cPy Fl, Py, Mt, cPy		Mt-Qtz-cPy vein @ 40° vuggy Mt-Qtz-cPy-Py vein subparallel to C.A. broken core over 5cm Fl. veinlet	17.1 Dark grey Qtz-Monz Porphyry (8) locally brecciated @ lower ⅓ of Section; increase in ratio of Frags to dike towards lower contact; post (2) gradual into breccia proper w/ abundant dk. grey fspar phenos at first, then decreasing; weak fracture filling w/ Mt, Py, limonite + pyrolusite; oxide on fractures to 41.0 m; trace disc. Py; rock is relatively fresh	Tr			BQ WL			
25						MnO2 Py Mt		fractures @ 45° w/ Mt, Py, limonite + MnO2 occ. frag						25-28		
30																

HOLE NO.: DP-71-6 | PROJECT: Deer Park | PAGE NO.: 3 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm : 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 87.5 m | LOGGED BY: G.E.N.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% Hem. Mt.	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
30									Dk. grey Qtz-Monzonite Porph. (8) continued									
35						Mt, Py, MnO_2 Frac. Fill		Fractures @ 45° w/ Mt, Py, limonite + MnO_2							PQ W/L	35-38		
40								Frag. content increasing										
45								8cm And. dikelet @ 40°										

HOLE NO.: DP-71-6 | PROJECT: Deer Park | PAGE NO.: 4 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm : 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 87.5 m | LOGGED BY: G.E.N.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	Mt & Hem	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
45						Mt, Py			-46 Dark grey Qtz-Monzanite Porph. (8) continued									
						Mo		-?	46.0-73.7 Breccia (11) w/ interstitial MoS_2 (rarely w/ cPy) chlorite-Mt + Fl in vugs 60.6 to lower contact, trace MoS_2 on irregular fractures									
						Mt		oxide on fracture minor carbonate in vug										
50					Weak to Mod 3-6/1m	Mo												
						Mt		MoS_2 in vug			<1%	<1%			BQWL			
						Mo, cPy		MoS_2 fracture fill w/ cPy										
55						Fl		chlorite-Mt in vug										
						Fl, cPy		Fl. + cPy in vug										
						Mt Fl, Mo		-Fl. in vug										
60																		

HOLE NO.: DP-71-6 | PROJECT: Deer Park | PAGE NO.: 5 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm:1m

INCLINATION: | BEARING: | TOTAL DEPTH: 87.5m | LOGGED BY: G.E.N.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	Mt % Hem.	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
60					Mod	Mt, Mt+, Mo, Fl, Mo, Mt, Mt+		MoS_2 in vug and frac.	-73.7 Breccia (11) continued 60.6 - 64.0 split core						60-63		
65								MoS_2 in fracture; chlorite-Mt in vugs									
								Fl. and MoS_2 in vug		<1%	<1%						
70								0.5m Andesite dike dark green w/~20%+ of 1mm biotite; ~30%+ of fine fspar laths chlorite after mafics and fspar; fspar → clay + chl. ?contacts @ 15° 0.6m dike(?) of (8) ? fresh and barren						RQWL			
					Mod		?		73.7 - Dark grey Qtz-Monz. Porph (8)								
75																	

HOLE NO.: DP-71-6 | PROJECT: Deer Park | PAGE NO.: 6 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm:1m

INCLINATION: | BEARING: | TOTAL DEPTH: 87.5 m | LOGGED BY: G.E.N.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% Mt. Hem.	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
75						Mt.		2cm. Mt. veinlet w/ minor Qtz + fspar @ 30°	-86.5 Dark Grey Qtz-Monz. Porph. (8) continued								
						Cr.		minor carbonate in vugs	From 77.5 to lower contact, the % packing of sub-fspars is higher and larger fspars w/ fleshy rims + grey core; lighter grey groundmass than top of section (change gradational over several meters);		Vi						
								Carbonate + minor hematite frac. fill @ 60°									
80					Mod w/ 8-10/½m	Cr. Fl			carbonate, minor Hematite, trace Fl as Frac. Fill (Fl. near bottom of section); minor chlorite alter mafics	Tr. Hem				BQWL			
85						Cr. Fl		Carbonate + trace Fl. as frac. fill @ 60°			Tr.						
								E.O.H @ 87.5m	86.5-87.5 Monzanite (Similar to (3)) large grey fspar phenos; blotchy, also 1mm rounded white pink; 30% groundmass w/ 10% biotite								
90																	

PAGE NO.: 1 OF 6

CASING COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: N. 62+76 E. 89+70

INCLINATION: -47° E

BEARING: 90°

PROJECT: Deer Park

DATE STARTED: Aug. 8, 1971

DATE FINISHED: Aug. 10, 1971

TOTAL DEPTH: 87.5 m

HOLE NO.: DP-71-6

REF. TO CLAIM CORNER:

SCALE: 1cm: 1m

LOGGED BY: G.E.N.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
9	12	72864			30	13	35	1	1620

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 2 OF 6

PROJECT: Deer Park

HOLE NO.: DP-71-6

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm:1m

INCLINATION:

BEARING:

TOTAL DEPTH: 87.5 m

LOGGED BY: G.E.N.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~[illegible]~~ PPM Cu	Mo	W	Sn	F	DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
25	28	72865			42	12	45	1	1850										

15

20

25

30

PAGE NO.: 3 OF 6

PROJECT: Deer Park

HOLE NO.: DP-71-6

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm:1m

INCLINATION:

BEARING:

TOTAL DEPTH: 87.5m

LOGGED BY: G.E.N.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
35	38	72866			52	20	65	1.	2680

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 4 OF 6

PROJECT: Deer Park

HOLE NO.: DP-71-6

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm : 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 87.5 m

LOGGED BY: G.E.N.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F	FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
45																			
50																			
55																			
60																			

PAGE NO.: 5 OF 6

PROJECT: Deer Park

HOLE NO.: DP-71-6

CASING COLLAR ELEV.: GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm: 1m

INCLINATION: BEARING:

TOTAL DEPTH: 87.5m

LOGGED BY: G.E.N.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem. ~~ASSAY~~ PPM Cu	Mo	W	Sn	F	DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
60	63	72867			14	>200	30	2	2870										

60

65

70

75

PAGE NO.: 6 OF 6

PROJECT: Deer Park

HOLE NO.: DP-71-6

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm:1m

INCLINATION:

BEARING:

TOTAL DEPTH: 87.5m

LOGGED BY: G.E.N.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM					FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
					Cu	Mo	W	Sn	F										

75

80

85

90

HOLE NO.: DDH 71-7
COLLAR ELEV.:
COORDINATES: N. 72+22 E. 76+12
INCLINATION: -70°
GROUND ELEV.:
BEARING: 360° Az.

PROJECT: DEER PARK
DATE STARTED: Aug. 12, 1971
DATE FINISHED: Aug. 17, 1971
TOTAL DEPTH: 85.9 m

PAGE NO.: 1 OF 6
REF. TO CLAIM CORNER:
SCALE: 1 cm = 1 m 1:100
LOGGED BY: R. Bonen + G. Herman

SECTION	ALTERATION: silica	sericite	clay	chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
0								0-2 strongly oxidized green rock.		2%			BQVL			
5					mod			2.0-9.4 Intrusive Breccia (11) Tan color, fragment size 3mm-4cm. larger fragments 1) Feldspar porphyry w/ aphanitic grdmass. mod to str siliceous, feldspar phenos < 2m → clay minor ser size 3-4cm - < 3mm - most frag. appear to be this type 85% 2) Feldspar Rich intrusive w/ mafic → magnetite some chl. 4% feldspar → wk clay 3) Minor Andesite fragments - 5% (70) grdmass - mod siliceous w/ clay alter'd phenos of feldspar.- — Hvy MoS2 limonite — py — vl and perph. — v-t MoS2 — siliceous frag w/ diss. MoS2 — magnetite veins → hem — py speck MoS2 — specks fluorite — specks MoS2 — calcite, MoS2, py vnlt — 1.5cm frag.		3%						
10						py, MoS2		(5) 9.4-9.5 Andesite Dike - f-g chl/mafics dk. green color		4%						
								9.5-17.1 Intrusive Breccia (11) as above. some area have a high % of matrix. — Fluorite, dusting of MoS2 py. — MoS2, clay, limonite		4%				10-13		
15																

HOLE NO.: DP 71-7 | PROJECT: Deer Park | PAGE NO.: 2 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm : 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 85.9 m | LOGGED BY: GEN + BKB

SECTION	ALTERATION: silica, sericite, clay, chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
15													
					calcite flourite, py, MoS_2 veins. py, MoS_2, minor flourite dissem MoS_2, flourite in matrix material	(11) Intrusive Breccia Contd. There is increase of matrix to the defined unit below.	3%						
					andesite frag. aph. feldsp porph.	17.1-22.6 Porphyritic Qtz. Monz. - There appears to be a gradational increase in % fragments. This (2) rock unit is the matrix of the above breccia. Rock is distinctly porphyritic - feldspar phenos are alter'd to clay w/ minor sericite gives brnish appearance - anhedral although some subhedral xt's. Quite siliceous grndmass. MoS_2 is dissem. within this unit as well as py. Rx frags still are conspicuous although	4%				17-20		
					sil frags. dissem MoS_2. MoS_2 stringer								
20					dissem flourite, MoS_2 & py. sil frags w/ 1mm feldspar phenos.								
		moderate	MoS_2 py.			22.6 - 22.7 Andesite dyke - (5)							
					frag - dk. sir clay altor some bio - andesite? dissem MoS_2 py. calc py, flourite. minor specks MoS_2. siliceous frag. MoS_2 paint, py	22.7 - 28.7 Porphyritic Qtz Monzonite. - 40% - anhedral feldspar phenos ~2-4mm some larger ones up to 1cm, in med sil ground mass, some biot. (2) 23.5 dk feldspar phenos → ser, some biotite in matrix & in feldspar (secondary)? MoS_2, py dissem. 24.7 Brown mottled texture from feldspar → clay, sericite. 26. MoS_2 concentrated around siliceous fragment. 25.9 - 26.8. Porphyritic Intrusive - only larger phenos up to 1cm, sil matrix, weaker altr'n no bio.	4-5%			BQWL			
					vug infill w/ calc, flourite py MoS_2 & clay								
25			py, MoS_2 flourite		6cm angular por and frag vug w/ spec hem, laths, clay, py MoS_2 flourite						23.5-26.5		
					sulphide poor good dissem. MoS_2 py, some dissem flourite magnetite → hem'd.								
					py' magnetite' cpy'	28.7 - 28.9 Andesite dyke - Biotite, hb & feldspar phenos in a felted chl grnd mass. (5c)							
					increase in frag. content. py, specks flourite & MoS_2	28.9 - 32.0 (2) Porphyritic Qtz Monzonite.					29-32		
30													

HOLE NO.: DP-71-7 | PROJECT: Deer Park | PAGE NO.: 3 of 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm = 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 85.9 | LOGGED BY: GEN + BKB

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
30																

Flourite, calc, minor chl.

dissem MoS_2, py.

Calcite, py, magnetite. Flourite, & MoS_2 infilling open space vugs. w/left py, F MoS_2.

calcite, F vnlt.

finely dissem magnetite

minor py fract fillings.

speck flourite.

10%

mafic rich, K-spar intrusive bio → magnetite. unaltered

Ksp rich intrusive mafics < 5% finer grained than above. ~ < 10 qtz grains - unaltered. lamprophyric frag, biotite rich.

speck MoS_2 very weak dissem py

(2) Porphyritic Qtz Monzonite. Cont'd

bx fragments gradually become a greater % of the rock.

32.0 - 34.1 Intrusive Breccia (11)

- predominately bx fragments, vuggy with calcite, py, flourite & MoS_2 infilling, some Grey Feldspar porphyry fragments, aphanitic Feldspar porphyry & andesite fragments. intrusive with mafics - variable frag size 1-4cm.

34.1 - 45.0 Dark Grey Qtz-Monz. Porphyry

(8)

- 10% orange color feldspar phenos anhedral to euhedral xt'ls, grey color comes from fine dusting of magnetite in groundmass also smaller feldspar in gmass with some biotite. Some specks of MoS_2 here & there, more near top.

This unit becomes matrix of above breccia near upper contact. The rx is relatively unaltered. Minor fracture py.

The predominate rx fragment is a ksp rich intrusive w/ < 5% biotite, interstitial qtz, minor py some magnetite after mafics - pinkish unaltered feldspar phenos. 70% up to 1cm.

very minor flourite.

Mo Positive Dike!

SAMPLE INTERVAL
27-32
36.5-39.5
42-45

BQWL

FRACTURING: mod → weak. py, MoS_2, magnetite

HOLE NO.: DP-71-7 | PROJECT: DEER PARK | PAGE NO.: 4 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1 cm = 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 85.9m (282') | LOGGED BY: B. Barker + DC GEN

SECTION	ALTERATION: SILICA	SERICITE	CLAY	CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
								Intermittent filling w/ Qtz - Chl - Mt - Py - (MoS2) also F									
45								12mm grey FP 8 cm. andesite dike?	INTRUSIVE BRECCIA - 45.7 (11)		1+						
					WK			1-2 mm w/ Py - F - (Cpy - MoS2) Tr. MoS2 diss'd. F dis'd Mt. w/ MoS2 - F	DK GREY FSPAR PORPHYRY 45.7 - 48.0 (10) V. large, 5-10mm pink fspar phenos, an-subhedral, set in dark grey aphanitic gm, w/ minor acc. Bi flakes. Ratio phenos: gm 40:60. Fspars loc. mottled or w/ greish cast (chlorite); gm wkly chl'd. Low sulphides		<1						
50					WK - Some more in frag	Py - Mt - F - MoS2 - Cpy		And. frag .2m dike or frag? And. frag. 4mm w/ carb - MoS2 - F	INTRUSIVE BRECCIA 48.0 - 52.7 (11) Fragment size variable, <5mm to >6 cm. Dominant frag type is mafic bearing intrusive unit w/ 10% 1mm biotite, set in intergrowth of pinkish-tan 3-5 mm fspars. Acc. qtz gm noted. Matrix chl'd + loc. up to 20% 1-2mm 2° Qtz - Ser spots after fspar? Also minor Mt - S - Chl interstitial. Interst. Py - Mt as clots and masses 5-10 mm up to a few cm, w/ F - Chl - MoS2 - (Cpy)		3						
					WK	Minor MoS2 - F		Py Mt.	DK GREY FSPAR PORPHYRY 52.7 - 54.6 (10) As per 45.7 - 48.0, w/ loc. frags of mafic bra intr. + andesite (chl'd). Mt diss'd. Tr. Cpy diss'd.		<1						
55						Py - Mt - F - MoS2 - Cpy		Str. MoS2 rim frag. Str. Chl - Mt w/ Py Str Chl - Mt w/ Py	INTRUSIVE BRECCIA 54.6 - (11) Similar to 48 - 52.7, except loc. greater % matrix composed of Mt - Chl, also f. gr'd grey fspar porph. 59 - 59.7 Andesite w/ Ep - Py Mt.								
60																	

HOLE NO.: DP-71-7 | PROJECT: Deer Park | PAGE NO.: 5 OF 6

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1 cm : 1 m

INCLINATION: | BEARING: | TOTAL DEPTH: 85.9 m | LOGGED BY: GEM + BKS

SECTION	ALTERATION: SILICA	ALTERATION: SERICITE	ALTERATION: CLAY	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
60								Hk Mt vfs.	INTERMEDIATE SILICA [illegible] of 3 (11) Irreg. felsic frag. in chl. Mt. matrix. Felsic frags may be associated w/felsic unit below. Hk Mt vfs.	1½						
								Hk frag. w/ lt. grn carb. Felsite frags. 1mm w/ Py.	ANDESITE 61.3 - 63.6 (Fine grained) (5) Dk. grn. f.grd w/ occ. irreg tan-white altered (albedic? plagioclase feldspars?). Perv chl. after gm.	1½						
65					Wk	Py-Mt-(Cb)		? Irreg Qtz segregations.	FELSITE 63.6 - 67.6 (?) Greenish cold aphanitic to f.grd, occ. vague poss. Qtz eye. Also gradd. short sections of mafic dkg. lith. w/ occ. Qtz. Wk-mod sep-sil. pervasive, Cut'd by grey Qtz segregations, irregular, few on actions. Wkt fract. attributed to Hk fr. w/ Py, Q-	1½			BOWL	63.6 - 66.6		
70					Wk-Mod.			? Irreg Qtz vlt w/ Mt w/ sint gangue or carb. pos. kspar. 4cm dikelet. 3cm dikelet. Irreg masses of Py-Mt-Chl-(Qtz). 2mm Qtz-Mt x-cut by 2cm dikelet x-cut by Carb. w/ Py-Mt.	(5a) 67.6 - 73.6 Biotite Andesite As per 61.3-63.6, but andesite nomenclature wrong, in fact consists of fine 1° Bi, speckled 40% of rock set in grey aphanitic matrix, Sm. siliceous. Occ. irreg. kspar phenos. May in fact be lamprophyre. @ 68.5 4cm dikelet of 10% Bi, 30% Qtz, 60% pink kspar (also @ 69.1)	½+						
								Sharp but irreg @ roughly 20°.	At contact Py-Mt Hk Mt. w/ pink carb. terminate.							
75									Pink Qtz-Monzonite 73.6 - 86.0 (9) - see descrip. next page.							

HOLE NO.: DD-71-7
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: BEARING:

PROJECT: DEER PARK
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH: 85.9 m

PAGE NO.: 6 OF 6
REF. TO CLAIM CORNER:
SCALE: 1cm:1m
LOGGED BY: B.H.B.

SECTION	ALTERATION: SILICA	SERICITE	CLAY	CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
75								DESCRIPTIVE GEOLOGY								
								Pink Qtz-Monzonite - cont'd. (9)								
								Coe grd, locally porphyritic, or-subhedral tan and pink fspar phenos to 1cm± 15 mm Bi inter in matrix, which has locally fine abundant Qtz. Mafics chl'd dm. f. frech.								
								← Vlt Mt-B vlts.								
80										½±						
								Bl.d 15° app. of 1-3 mm carb vlts, 50-60°CA. which x-cut Rp-Mt Ht vlts. Contain Rp-F-MoS2					BQWL	80-83		
								And. frags.								
85								Last 15 cm of hole finer grained than above vague contact, pass. dike unit. x-cut by gray fspar porph, 20°CA last piece of core. V. fil gm.								

PAGE NO.: 1 OF 6

CASING COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: N. 72+22 E. 76+12

INCLINATION: -70°

BEARING: 360° Az.

PROJECT: Deer Park

DATE STARTED: Aug. 12, 1971

DATE FINISHED: Aug. 17, 1971

TOTAL DEPTH: 85.9m

HOLE NO.: DP-71-7

REF. TO CLAIM CORNER:

SCALE: 1cm : 1m

LOGGED BY: G.E.N. + B.K.B.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
		SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM							SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
FROM	TO				Cu	Mo	W	Sn	F	FROM	TO								
10	13	72868			72	190	30	2	1770										

PAGE NO.: 2 OF 6

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 85.9 m

HOLE NO.: DP-71-7

REF. TO CLAIM CORNER:

SCALE: 1cm : 1m

LOGGED BY: G.E.N. + B.K.B.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
17	20	72869			168	>250 PPM / 0.048 %	35	1	3510
23.5	26.5	72870			146	>250 PPM / 0.112 %	25	1	>4000
29	32	72871			110	>250 PPM / 0.232 %	20	1	>4000

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 3 OF 6

PROJECT: Deer Park

HOLE NO.: DP-71-7

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm:1m

INCLINATION:

BEARING:

TOTAL DEPTH: 85.9 m

LOGGED BY: G.E.N. + E.K.E.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
29	32	72871			110	>250 PPM / 0.232 %	20	1	>4000
36.5	37.5	72872			34	>250 PPM / 0.039 %	22	1	3630
42	45	72873			285	>250 PPM / 0.042 %	32	1	3380

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 4 OF 6

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 85.9 m

HOLE NO.: DP-71-7

REF. TO CLAIM CORNER:

SCALE: 1 cm: 1 m

LOGGED BY: G.E.N. + R.K.E.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
		SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM							SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
FROM	TO				Cu	Mo	W	Sn	F	FROM	TO								
45																			
50																			
55																			
60																			

PAGE NO.: 5 OF 6

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 85.9 m

HOLE NO.: DP-71-7

REF. TO CLAIM CORNER:

SCALE: 1 cm : 1 m

LOGGED BY: B.K.E. + G.E.N.

CORE										SLUDGE									
DEPTH INTERVAL		SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM					DEPTH INTERVAL		SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
FROM	TO				Cu	Mo	W	Sn	F	FROM	TO								
63.6	66.6	72874			42	49	60	1	1930										

PAGE NO.: 6 OF 6

PROJECT: Deer Park

HOLE NO.: DP-71-7

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm:1m

INCLINATION:

BEARING:

TOTAL DEPTH: 85.9 m

LOGGED BY: G.E.N. + B.K.B.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
80	83	72875			54	30	40	1	2530

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

HOLE NO.: DP 74-1
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. 75+22 E. 78+00
INCLINATION: -44.5° -47° (300') BEARING: 190°
PROJECT: DEER PARK.
DATE STARTED: June 30, 1974
DATE FINISHED: July 5, 1974
TOTAL DEPTH: 152.4 m (500')
PAGE NO.: 1 OF 11
REF. TO CLAIM CORNER:
SCALE: 1 cm = 1 m
LOGGED BY: B. K. Bowen

SECTION	ALTERATION: SILICA	SERICITE	CLAY	CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
0									OVERBURDEN 0-2.4							
								AH o: discreet grains and after mafics.								
					Wk-mod	AH		4mm.	2.4 - 3.9 Pink Qtz-Monzonite (9) Pink intr. w/ fine mafics. Kfsp as subhedral, 3-4 mm, pink 60-70%; Qtz grey interstitial, 15-20%; mafics → chl, 1mm², some amphibole laths, 10-15%.	—						
					V wk	AH, Py		Tr Py dis'd.	3.9 - 5.0 DK. GREY Andesite Fspar Porph. (13) Fspar phenos, 30%, 2-3 up to 1cm, irreg shape, zoned cream hal grey lustrous center; Bi 1-2mm, biotite 10-15%; set in f.grd. dk. grey gm w/ wk-mod eff. and mod. mag. F. AH - Bi, prob. biotite to dk. grey Ch. AH° limited to soft grey coles of fsprs. (Sericite?)	Tr.				3.9-5.0		
5								.3m chill margin.								
					V wk.	AH - Tr. Py in AH only		v.f. w/ g-fsp(?) gangue and (Py) Spec fluor. <1mm w/ (Py)	5.0-12.0 LT. GREY FSPAR PORPHYRY. (14) V. similar text. to above unit, except gm s/m finer grd, w/ abundant fspar grains which impart lighter colour. Mod mag. - AH dis'd 1mm - also extremely f. grd.	Tr.			BPWL	6 - 7		
10								sharp @ 30° CA.	.4m chill margin.							
								11°?	12.0-12.5 DK. GREY Andesite Fspar Porph. (13) As per 3.9 - 5.0							
								Wk H/L AH. 2x1mm w/ Qtz. 4mm w/ Py-AH-F	12.5- Pink Qtz Monzonite (9) Pink intr. w/ fine mafics as per 2.4 to 3.9							
15																

7367

HOLE NO.: DP 74-1 | PROJECT: DEER PARK | PAGE NO.: 2 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1 cm = 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 152.4 m | LOGGED BY: BEB.

SECTION	ALTERATION: SILICA	SERICITE	CLAY	CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
15									-20.1 Pink Qtz-Monzonite (9) continued							
								H/L w/P 2/10 cm.								
								2x 3mm w/P-Py.		L1						
								H/L w/P 6/10 cm.								
								Sharp @ 40								
20								Tr. disst. Py.	20.1 - 20.6 DK GREY Andesite Fspar Porph. (13) Unit x-cut MH VHS. Mod mag.	Tr.						
								H/L w/P	20.6 - 28.4 Pink Qtz-Monzonite (9) Pink intr. w/ fine mafics.	1% to 1cm. 3, incr. s/w times dike cont. @ 28.4			TWOS			
								2mm w/Py-Gnb-F								
25								Sharp @ 40.	for this unit							
								2x H/L w/F.	28.4 - DK. GREY ANDESITE FSPAR Porphyry (13)	Tr.				Split		
30																

HOLE NO.: DP 74-1 | PROJECT: DEER PARK | PAGE NO.: 3 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: 152.4 m | LOGGED BY: B.S.

SECTION	ALTERATION: SILICA	SERICITE	CHL	CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
30								cont. intsy @ 20° — Dk GREY Andesite Fspar Porphyry (13)								
								30.5 - 44.3 Pink Qtz-Monzonite (9)								
								Pink intn. w/ tr gr'd mafics.								
								Throughout section, 30.5 - 45, Mod blk ff., tr. ep. @ 40° avg. w/ minor Ly - Blk - Chl - F. No Moss obs'd in spl'd section. Fract. int. 3-6/ft.						5 ft.		
								2 cm								
35					Mod Fro @ 40° 3-5/ft.	Mt - (Py) - Tr. F		Mt w/chl. after mafics. Minor Py diss'd in mafic sites.						35-38		
										1%			Approx			
								2x 1mm w/ Py	6 cm rogginess oss'd.							
40																
								2% diss'd but no ff.								
									44.3 - 45.8 Dark grey Andesite Fspar Porph (13)							
									V. similar to dk. grey fspar porphyry, except slr more mafics in gm. Also, w/in gm, 1mm dia. grains soft white min. (aff = carb.). Gen. dk. gm rather than gr. cast.	Nil						
					Mt Fro	Mt		chrsp @ 20°.								
45																

HOLE NO.: DP 74-1
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: N. E.
INCLINATION:
BEARING:

PROJECT: DEER PARK
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH: 152.4

REF. TO CLAIM CORNER:
SCALE: 1 cm = 1 m
LOGGED BY: B.K.B.

SECTION	ALTERATION: SILICA	SERICITE	CLAY	FRACT.	FRACTURING	MINERAL	GEOLOGY	COMMENTS / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
45				mod - 3-6/ft., lr. stronger, @ 30-40°		Tr Cpy-MoS2		45.2 - Pink Qtz-Monzonite (9) Pink intr. w/ fine mafics.								
50								- 2cm v/ Qtz - Tr. Cpy-MoS2. minor bx'z in vt.		Tr.			BQWL			
55	vt.					Tr Py diss'd.		- 2cm v/ Py.								
						Md - Tr. Py		- Num. H/L Py over 15 cm.								
								15 cm wk bx'z w/ MH-(F). Wk clay alt'z.								
60								2x 1mm Qtz vnlet - 4 cm overlap. sil envel. w/ diss'd Py.								

HOLE NO.: DP 74-1 | PROJECT: DEER PARK | PAGE NO.: 5 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: 152.4 m | LOGGED BY: BKB.

SECTION	ALTERATION: SILICA	ALTERATION: SERICITE	ALTERATION: CLAY	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
60					Gen mk-med, 3-6/ft.	Py - (F) - Tr. MoSz		Dikelet. Vuggy ff. w/ 0.3m pot'x sil'd w/ Py (F) 2cm Mt. Py	— Pink Qtz-Monzonite (9) continued. Pink intr. w/ fine mafics. @ 60.5 10 cm dikelet, ff. creamish-pink, f. gr'd equigranular assemb. of f.par - Q - mafics - Mt. Contact x-cut by Py-Mt ff.	1/2 in fract. / Tr. disst.						
65								H/L w/ Mt - Tr MoSz)	Py - (F) ass'd w/ Mt H/L vff.					65-68		
70								1-2 cm w/ Py.	70.1 - Crackle zone - str. H/L fract @ 40° 2 dir'n + irreg. w/ dirty yellow fill. Soft - ? @ 70.4 10 cm wkly broken core. Minor clay alt'n.							
								1mm w/ Py - Mt - Tr MoSz? H/L crackle zone. Vuggy Qtz. (x1) 1mm H=4 white Calcite (F?)	@ 72.4 10 cm bx'd w/ interstitial Mt - Py. 73-74 Broken core - f.par's mod. str. clay alt'd. Minor shear.							
75																

HOLE NO.: DP 74-1 | PROJECT: DEER PARK | PAGE NO.: 6 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1 cm = 1 m

INCLINATION: | BEARING: | TOTAL DEPTH: 152.4 m | LOGGED BY: BKB.

SECTION	ALTERATION: SILICA	ALTERATION: SERICITE	ALTERATION: CLAY	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
75								3mm w/F	75.8 Pink Qtz-Monzonite (9)								
								Sharp @ 40°.	75.8 - 76.3 Fine Grained Andesite (5) Med grn in col. fine gr'd granular, 1mm. 10% vague white spots - poss. altered feld. Tr Py dis'd.								
								3x2mm w/B-Py									
								Mt int. w/ Q-Py ± F-MoS2	76.3 - 102.3 Pink Qtz-Monzonite (9) Pink int. w/ f. matics.								
80					Mod-Str 10°/ft.	MoS2		3mm w/Mt-Py.	Below andesite dike, increase in fract. density to mod-str 10/ft ∠, 40° CA still dominant, but also see at 2 other directions too. Also incr. in ratio of sulphide (Py-MoS2) and gangue (Qtz-F) w.r.t. Mt. ff.								
						Py-(F+MoS2)		Few specs MoS2 dis'd.									
								2mm w/Qtz.									
						Mt		1mm Py-MoS2-Mt.									
85								15mm w/Py-Mt-MoS2.									
								5cm w/MoS2-Cpy-Py	Fract int. decreases.								
								2mm w/Mt-Py.									
								1mm w/Py.									
					Mod-Str 6/ft	as Qtz + Cpy		Spec. Mo									
								1mm w/Mt.									
								H/L w/ Cpy-Mo-Mt.									
90								H/L w/ Mt. Cpy. Mo.									

HOLE NO.: DD 74-1
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: BEARING:

PROJECT: DEER PARK.
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH: 152.4

PAGE NO.: 7 OF 11
REF. TO CLAIM CORNER:
SCALE: 1cm = 1m
LOGGED BY: BKB.

SECTION	ALTERATION: SILICA	SERICITE	CLAY	CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.	ESTIMATED
90									-102.3 Pink Qtz-Monzonite (9)								
					Mod - lot sh. 0-10° Hf.	Py - Mn - F - MoS2 - Cpy		2mm w/ Py - MoS2 (selvage) - F 2mm w/ v. Mn. Tr MoS2 - Cpy. 2x 1cm w/ str MoS2 - Tr Py. - F. 2x 1mm w/ P - Mn F. MoS2 - Cpy 2x 1mm w/ Py - MoS2 - Tr. Cpy.								
95								Bx dikelet w/ str int. Py - Mn - (Cpy) - F 3x 1mm w/ Py - F - Tr MoS2 Bx dikelet w/ Sr. Py & minor Mn. F MoS2 - Cpy	96.5 - 98 increase in sucrosic P in gm w/ incr. in Mn vns.						95-96		
100								- H/L fl. w/ Mn - P - F v minor MoS2 - Cpy. sharp @ 55°.	No increase fract. imm. adj to breccia. 102.5 - 103 Bx interstices open vuggy w/ Py - P - Mn. minor MoS2 - F	1 - mostly in fract, v. little dist'n	FRAGMENT SIZE		80 MM				
					Hf @ 35			5cm andesite. - fract w/ v sparse filling Py - Mn - F - (MoS2 - Cpy)	BRECCIA 102.3 - (11) And., pink int. w/ fine matrx. 103 - 104 And - Aphanitic feldspar porph - (dk grey feldspar porph) Sim. to dk grey feldspar porph. but gm. more wh. Hi grey. glom. feldspar, 10-15cm, w/ 1mm. Sparse feldspar in	2 - dist.	2mm - 5cm.						
105																	

HOLE NO.: DP-74-1 | PROJECT: DEER PARK. | PAGE NO.: 8 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm = 1m.

INCLINATION: | BEARING: | TOTAL DEPTH: 152.4 m | LOGGED BY: B.L.B.

SECTION	ALTERATION: SILICA	ALTERATION: TEROPITE	ALTERATION: CLAY	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
105								6cm and dike.	Breccia - cont'd. (11)							
								carb. interst.	dk grey fspar porph w/equant fspar phenos. Matrix fine grd nd aphanite							
									Pink sil frag w/5% Py and 1 spec Mo.							
								(4) w/c H. w/ sp.	loc. cons v. dense, sil also minor interstitial sil. throughout. 103-108 grey and pink sil frags & fspar phenos.	1-2 dist. interst. 2-3	3cm - cnd			107-110		
								lots 107.9 and w/ H. green sil mottling.	pink, med grd equigranular w/ an subhedral fspar phenos, 2mm, w/ 5% Bi in matrix.		2-3mm & (phyllite)					
								w/MoS2-Py.	aphedral fspar, 5mm set in aphan. pinkish-red (hematitic) groundmass.							
110								V. H. Py coating on wk fract.	Grey fspar porph - phenos 1-2 mm, occ. large glomeroporph. fine Bi, 1-1mm gm med. grey aphanite. Sil. diss'd Mt no Py.							
								21mm w/Ep-(F)-(Mt) 1mm w/ Py MoS2 - V sparse Py-Tr MoS2 on Fr. 10 cm								
								w/c w/ Py-Mt-Tr MoS2	Pink aphanite fspar porph w/ 20% elongate fspar phenos 105-110 local blurring of textures, poss. perv. sil'n. clots of Ep loc.	1-3 diss'd pyr. 1% but occ in fract. (Py-Tr MoS2)	2-3mm - 6cm 1cm - avg.		80mm			
									Bx loc. sl. vuggy, but gen tight.							
115								w/c w/ Mt-(a)-Tr MoS2.	110-112 Polymictic: andesite, dike, buff, grey, pink sil frag ( ), occ. equigranular int. frag larger.							
								12 sil frags	115-120 pass. wk a-s alt'n in gm or just rock flour?	1-3% diss'd Py. Rare spec Mo.	generally tight			117-120		
								3 w/c H Ep.	117.9-118.2 Dikelet (b) w/ 3% diss'd Mt and clots of Ep.							
120								Py-Mt intrg vlts.	119.6-120 Dikelet, same as larger dike below.							

HOLE NO.: DP 74-1 | PROJECT: DEER PARK. | PAGE NO.: 9 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm = 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 152.4 m | LOGGED BY: BKS.

SECTION	ALTERATION: SILICA	ALTERATION: SERICITE	ALTERATION: CLAY	ALTERATION: CHLORITE	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
120								Polylithic Breccia 120 - 120.5 (11)								
	FRESH			Ep.	V wk - 2% max. / Wk 2% A.	Mt - Py - MoS2 - Cpy - F / Mt - Py - Tr MoS2	H/L w/ Carb-Py. / H/L w/ Py-MoS2 / H/L w/ Cpy-F / Fract other than steep dip. / H/L w/ Py-MoS2	120.5 - 130 Med. grey Fspar Porphyry (12a) Mod. clouded fspar porph dike. Med grey in color, fspars 2-4 mm, all subhedral, blocky, mostly dk grey due chromite. tr%, set in light grey sil matrix. Bf tests 5%. Tr Py diss. Mt 2-3% diss. Tmt		TF			BFWL	124 / 121 / spl'd		
125								Mo Positive Dike								
							H/L w/ Mt - Tr MoS2 / H/L w/ Mt - MoS2.	125 - 130 contact grad'l. increase in no. of frags incorporated into FW of dike.						127-130		
130								? ? ? ?								
				Ep		Mt - Py - Tr MoS2	Loc. intsa H/L w/ sparse Py. / H/L to 4mm w/ Py-Mt Ep-F. Tr. MoS2. Tr MoS2 diss'd. / Contact sharp @ 40°.	130 - 133.5 POLYLITHIC BRECCIA. (11) Frags angular to sub-ang. Bx 'tight' because dike material as per 120.5 - 130 is interstitial. 132.5 - Py w/ MoS2 - Cpy. - buff sil. frag. Mt w/ Py.		< 1/2	2-3mm to 18 cm 2cm ave			130-133.5		
	FRESH				Wk.	Py-Mt-MoS2-Cpy	Tr. MoS2 diss'd. / 1mm w/ MoS2-Cpy / 1mm w/ MoS2-Cpy	133.5 - 135 Pink/Grey Fspar Porphyry (12) Fspars an-subhedral black 3-4mm to glomerophyric 1cm set in light 0.5cm speckled tan matrix w/ fine acc. Qtz and 5-10% Mafics. Tr. MoS2 diss.		1				133.5-135		
135																

HOLE NO.: DD 74-1 | PROJECT: DEER PARK | PAGE NO.: 10 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1 cm = 1 m

INCLINATION: | BEARING: | TOTAL DEPTH: 152.4 | LOGGED BY: BKB.

SECTION	ALTERATION: SILICA	SERICITE	CLAY	CHL - EP	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
135				Sp + Chl.	V. wk 2/H.	NH - Py - MoS2 - F		Dikelet. 1-2 mm w/ Py-NH. Sparse NH-Py Tr MoS2 - F (Chl-Ep) on wk fract (also minor Q) 1mm w/minor Py-NH - Tr MoS2. 2x 1/2 w/Q-Py. Sharp @ 40	POLYLITHIC BRECCIA 135 - 143 (11) 136.7 - 136.9 Dyke let of 80% m. gr'd grey lustrous fspars w/ remainder 1-2 mm Bi. 2-3% diss'd NH. Tr. Py. Again bx remains v. tight because dike mat'l. (as BA) interstitial to frags. Buff sil. frags predominate. Decrease in amt. frags. a few large int'l frags. L. frag ca gr'd intrusive, shattered w/ str 1/2 NH-Py. Frag dk. grey fspar porph.	TR.	Frag. size as BA		7.4m	137 - 140		
145				Sp + Chl.	V. wk 1-2/H	NH - Py - MoS2 - Cpy - F		1/2 w/ str. MoS2 - Cpy. Jiggs chl Py-NH-MoS2-Cpy-F. 1mm str. MoS2 tr w/ Py-Cpy-NH. 2x 1/2 w/ NH-F. Chl w/ Tr MoS2. Sharp @ 80.	143 - 148 Pink/Grey Fspar Porphyry (12) F ca 4mm, > 10mm, cream to white, s.t. cream to dk grey core, 50%, an-subhedral, many rounded, set in H. grey speckled gm of 1-2 mm chl's NH after mafics and f.g. fspar - (Alb). Nx diss'd 3%+. NH diss'd throughout unit, loc. str. Cpy loc. diss'd. Minor Py. Sample taken @ 144.5 m.	1"				144 - 147		
150					Wk.	As 143		1/2 w/ NH - Tr Py - MoS2. N. w/ NH - Py - MoS2 - Cpy. 1/2 w/ NH - Py.	148 - POLYLITHIC BRECCIA (11) Bx tight, loc. dec. of interstit. dike matrix as BA. Poss some int. rock flour. Buff sil frag (+	TR.	As BA					

HOLE NO.: DD 74-1 | PROJECT: DEER PARK. | PAGE NO.: 11 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm = 1m.

INCLINATION: | BEARING: | TOTAL DEPTH: 152.4m. | LOGGED BY: BRD.

SECTION	ALTERATION: SILICA	ALTERATION: SERPENTINE	ALTERATION: CARB.	ALTERATION: CHL-EPD.	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
								Mn'd slip w/ Py-Cpy.								
150								2.5 cm w/ Mt-Py-Cpy-Tr Mo Sz.	(11)							
								POLYMITHIC BRECCIA - CONT'D.								
								F. along incr. fract.		1½			BQWL			
								2mm w/ Py-Mt.								
								2mm w/ Py-Mt.								
								1½ Fract incr. to mod-str. 10/ft.								
								End of hole @ 152.4m.								
155																

PAGE NO.: 1 OF 11

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. 75+22 E. 78+00'

INCLINATION: -44.5° -47° (300') BEARING: 180°

PROJECT: Deer Park

DATE STARTED: June 30, 1974

DATE FINISHED: July 3, 1974

TOTAL DEPTH: 152.4 m

HOLE NO.: DP-74-1

REF. TO CLAIM CORNER:

SCALE: 1 cm: 1 m

LOGGED BY: B.K. Bowen

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
3.9	5	72778			18	21	14	1	2650
6	9	72779			22	3	5	1	1710

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 2 OF 11

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 152.4 m

HOLE NO.: DP-74-1

REF. TO CLAIM CORNER:

SCALE: 1cm: 1m

LOGGED BY: B.K.B.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F	FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

15

20

25

30

PAGE NO.: 3 OF 11

PROJECT: Deer Park

HOLE NO.: DP-74-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm : 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 152.4 m

LOGGED BY: B.K.B.

	CORE										SLUDGE								
	DEPTH INTERVAL		SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM					DEPTH INTERVAL		SAMPLE NO.	LBS. REC.	% REC.	ASSAY			
	FROM	TO				Cu	Mo	W	Sn	F	FROM	TO							
30																			
35	35	38	72780			34	47	70	2	1640									
40																			
45																			

PAGE NO.: 4 OF 11

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 152.4 m

HOLE NO.: DP-74-1

REF. TO CLAIM CORNER:

SCALE: 1cm: 1m

LOGGED BY: B.K.E.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
					Rock Geochem ~~ASSAY~~ PPM										ASSAY				
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	Cu	Mo	W	Sn	F	FROM	TO	SAMPLE NO.	LBS. REC.	% REC.					

45

50

55

60

PAGE NO.: 5 OF 11

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 152.4 m

HOLE NO.: DP-74-1

REF. TO CLAIM CORNER:

SCALE: 1cm : 1m

LOGGED BY: B.K.B.

CORE										SLUDGE									
DEPTH INTERVAL		SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM					DEPTH INTERVAL		SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
FROM	TO				Cu	Mo	W	Sn	F	FROM	TO								
65	68	72787			28	32	36	2	1550										

60

65

70

75

PAGE NO.: 6 OF 11

PROJECT: Deer Park

HOLE NO.: DP-74-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm : 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 152.4 m

LOGGED BY: B.K.B.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F	FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

75

80

85

90

PAGE NO.: 7 OF 11

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 152.4 m

HOLE NO.: DP-74-1

REF. TO CLAIM CORNER:

SCALE: 1cm:1m

LOGGED BY: B.K.B.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
95	98				56	70	12	1	2080

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 8 OF 11

PROJECT: Deer Park

HOLE NO.: DP-74-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm: 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 152.4m

LOGGED BY: B.K.B.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
107	110	72751			38	12	4	1	1700
117	120	72752			42	12	5	1	2080

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 9 OF 11

PROJECT: Deer Park

HOLE NO.: DP-74-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm: 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 152.4 m

LOGGED BY: B.K.B

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
120									
121	124	72753			26	16	3	1	1100
125									
127	130	72754			24	12	5	1	1530
130									
130	133.5	72755			56	19	8	1	1620
133.5	135	72756			104	66	7	1	1300
135									

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 10 OF 11

PROJECT: Deer Park

HOLE NO.: DP-74-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm:1m

INCLINATION:

BEARING:

TOTAL DEPTH: 152.4 m

LOGGED BY: B.K.B.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
137	140	72757			40	20	10	1	1610
144	147	72758			300	>200	22	1	1160

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

135

140

145

150

PAGE NO.: 11 OF 11

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 152.4 m

HOLE NO.: DP-74-1

REF. TO CLAIM CORNER:

SCALE: 1cm : 1m

LOGGED BY: B.K.B.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM					FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

150

155

160

165

HOLE NO.: DP-74-2	PROJECT: DEER PARK	PAGE NO.: 1 OF 15	
COLLAR ELEV.:	GROUND ELEV.:	DATE STARTED: June 23, 1974	REF. TO CLAIM CORNER:
COORDINATES: N. 69+97 E. 77+78		DATE FINISHED: June 29, 1974	SCALE: 1cm : 1m
INCLINATION: 0-15.5° 300-50	BEARING: S 10° W	TOTAL DEPTH: 212.0 m	LOGGED BY: G.E.N.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
0								0-3.7 Over burden								
5					Mod	F, py py, MoS2, mag py, MoS2 py, MoS2 MoS2 py MoS2 F		3.7- BRECCIA (11) Breccia with rock frag ranging in size from 25cm to 1mm. Larger fragments are mafic rich equigranular m-g intrusive (ch→mag) High % of fragments are strongly siliceous, rhyolite. w/ <2mm white feldspar phenos and small <1mm qtz grains. (size 3-4cm - 1mm) Matrix of breccia is small rx fragments, Most bx is tight Some magnetite, py vug fill. Some F, on fract w/or without calcite. Minor MoS2 paint on Fract w/ py. Some lamprophyry & grey Feldspar porphyry frag. Weakly dissem. py throughout matrix. Aphanitic Feldspar porph. - 50% strained. euh. Feld. phenos upto 0.7cm. in sugary silic. gndm. 5% f. mafics → mag., py	2-3%			BGNL			
10														10-13		
15		?														

- rhyolitic frag. grey.
- large frag equigranular mafic intrusive.
- py, F, mag. vug filling
- lamprophyry
- rounded felsic frag.
- py mag vug filling.
- py, MoS2, Fr
- grey Feldspar porphyry
- Fy
- equigranular mafic inh.
- 7 mm qtz vn, sugary tex.
- 2mm some mag, biot
- pinkish rhy frag ~ 10% felsl phyr speck MoS2 in matrix w/ py
- MoS2 as paint w/ py on Fr. grain F
- 2cm qtz vn, magn, some biot poss. some feldspar
- 3cm dk chl and frag
- aphan Feldspar porph
- MoS2 paint F, py
- MoS2 speck grey & pink rhy. frag w/ py.
- F, py MoS2 paint.
- hb, py vnlt dk color/limonite flakes w/ sericite?

HOLE NO.: DP-74-2
PROJECT: DEER PARK
PAGE NO.: 2 OF 15
COLLAR ELEV.:
GROUND ELEV.:
DATE STARTED:
REF. TO CLAIM CORNER:
COORDINATES: N. 69+97 E. 77+78
DATE FINISHED:
SCALE: 1cm : 1m
INCLINATION: 0-45.5° 300-50°
BEARING: S 10° W
TOTAL DEPTH: 212.0
LOGGED BY: GEN.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
15					mod	py, F, Mag, Mo		grey rhy w/ < 2% feld phenos. sil. groun w/ 20% 1-2 mm feld. phenos. py, Mag vug fill. py F and py, F MoS2 point. 4cm frag. 2cm 5cm	(11) BRECCIA CONT'D	2-3%			BQWL	22-25		
						MoS2, py, Mag		MoS2, py. grey feld, biot porphyry. py, mag, epidote. py trace MoS2, bio. 7% lath shaped feld phenos in grey groundmass.	20. - grey rhylotic fragment, aphan. silic matrix. - 5% 1mm feld phenos, some qtz grains 1mm.							
20						py MoS2		pinkish felsic frag w/ magn. specks < 5% 1mm feldsp. phenos. py. py some MoS2. aphan feld por 3% phen. py, MoS2, epid. grey feldsp porph. py, MoS2.								
25					mod			py. poor recovery ~ 30% core missing. grey feld, bio porphyry. MoS2 py. large frag. sharp 30%	29.6 - 29.7 Porporphyritic Augite Andesite. .1cm feldspar phenos set in a dk matrix of (5b) biot & augite (mottled text) some dissem mag.	4%						
						py, Mo		and frag. chilled contact	29.7 - 52.3 see next page for descript.							
30																

HOLE NO.: DP-74-2	PROJECT: DEER PARK	PAGE NO.: 3 OF 15	
COLLAR ELEV.:	GROUND ELEV.:	DATE STARTED:	REF. TO CLAIM CORNER:
COORDINATES:	N. E.	DATE FINISHED:	SCALE: 1cm = 1m
INCLINATION:	BEARING:	TOTAL DEPTH:	LOGGED BY: GEN.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
30					mod			py, biot → hem, MoS2, F Py, Magn, MoS2 Vnlt py, MoS2 on fract. - dissem py MoS2 finely dissem. mag. py, minor MoS2 good MoS2, some F, cal speck MoS2.	Grey/Pink Fspar Porphyry (12b) 40-50% 4-7mm feldspar phenos, some w/lighter rims in grndmass of fine feldspar & 5-10% fine mafics (biot) ~ 1mm. V. minor visible qtz grains although grndmass mod. siliceous. Biot → magnetite + dissem. Rock is unalter'd. has a fleshy grey color.	4%				30-33		
35					mod			f-g silic fragm py MoS2 on Fr. specks dissem F speck MoS2. py w/ MoS2 point. py w/ speck MoS2 Fr sp. 5cm w/ py py + MoS2.		5%			BQWL			
40					mod			specks Mo w/ py py py specks dissem MoS2 MoS2 point dissem py. dissem. MoS2, py. vug w/ py & MoS2 and frag	— Mo w/ py is very noticeable now. occurs as vug fillings & dissem. Feldspar phenos have lighter cores. (albite ?). Mo Positive Dike					40-43		
45																

HOLE NO.: DP-74-2 | PROJECT: DEER PARK | PAGE NO.: 4 OF 15

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm : 1m.

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY: GEN.

SECTION	ALTERATION: silica	sericite	clay	chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
45					mod	py, MoS2, cpy		dissem py, MoS2, cpy. speck, F. vug w/ py, F, mag	(12b) CONT'D - similiar to above, odd qtz eye is conspicuous. Gndm. mod siliceous, some minor clay altern of larger phenos.		5%						
								py									
						py, MoS2		vug py MoS2. py, F, mag.									
								dissem py MoS2									
						py, mag, cpy		py, MoS2, Fr									
								dissem. py cpy mag minor specks MoS2									
50								dissem py, mag cpy calc, chl.							49-52		
						py, mag, cpy		dissem py mag. MoS2.									
						MoS2, cpy		good MoS2 cpy faint but definite									
								pinkish grey. 15% feld phenos.	52.3 - 53.0 BRECCIA (11)		2-3%						
						py		dissem py.	53.0 - 53.6 Fine Gr. Andesite (5) Grey black. f-g andesite w/ biot & minor feld phenos, dissem py.		3%						
								small grey rhy. frag (1cm) rnded. 7cm rhy.	53.6 -								
55					mod	py, mag, F		py, mag, F	BRECCIA (11) Breccia as before is tight, fragments subrounded to rounded to angular size from 5cm to <1mm. Some rare 0.5m frag of mafic intrusive.		2-3%			BQWL	54-57		
						MoS2		MoS2 paint, py mag 4cm and sub ang. frag. porph syenitic int. biot, mag.									
								MoS2 paint, mag.									
								dk grey felds par porph dyke or frag?									
								py, qtz, F									
								col vnlt 3mm w/ F specks									
								grey rhy w/ 15 feld phenos.									
60																	

HOLE NO.: DP-74-2 | PROJECT: DEER PARK | PAGE NO.: 5 OF 15

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY: GEN.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
60–75					Mod / Mod	py, mag, py, cale, mag py, mag, MoS2				3% / 4%			BOWL	70-73		

(11) BRECCIA CONT'D

f-m-g. equigranular syenite w/ 5% f. bio
porph syenite (prev not colored
mag after mafics
large frag of whitish mafic intrusive (60cm
10cm
porph (feld) rhy w/ 5-10% wht phenos f-g pinking silic rx
py, mag F, Fr filling.
30% euhedral feldsp. phenos f-g grndmass visible biot. < 1mm, 5%, dissem py, mag.
hair line calc w/ some grains F
thin salvage.
salt & pepper text intrusive. 5-10% 1cm phenos - 70-2-3mm feld phenos. 10% biot. m-g. sprk MoS2
py, mag, granular qtz py Mag. MoS2 F Vag. Matrix
grey aphan matrix w/ 20% 2mm. phenos. 3% fine mafics
py
py, mag specks. MoS2.
MoS2 conc in halo around Frag
py mag, gran. qtz. specks MoS2
5-10% 1cm feld phenos 70% 1-3mm feld 10% biot.
py Mag, gran. in qtz.

Whitish mafic intrusive, 90% white feldspar equigranular m-g. w/ 5-10% mafic → mag

f-g equigranular salt & pepper textured intrusive rx, f-mafic → mag.

73.6 - 74.0 Porphyritic Qtz-Diorite (6)
30-40% euhedral to subeuhedral rectang feld. phenos f-g grey grndmas. 10% biot 1-2mm
sericite chl py, mag

HOLE NO.: DP-74-2 | PROJECT: DEER PARK | PAGE NO.: 6 OF 15

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm; 1m

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY: GEN

SECTION	ALTERATION: silica	sericite	clay	chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
75				ep	Mod	py Mag Mo2	py, mag, MoS_2 py mag qtz, specks py. py mag, ep. in matrix py, Mag in matrix MoS_2 in Vug. py, Mag, qtz (granular) Mag → hem. very minor qtz.	(11) BRECCIA CONT'D	4%						
							py, mag vug filling	78.7-81.0 Pink Fspar Porphyry							
80						py	fine py. v-f py, mag. dusting. chl specks F vuggy py. mag.	(12c) Dike or frag? - pinkish tan color 60% pinkish feldspar euhedral, blocky f-g grndmass <5% f- biot. plag-→clay wk. disem py	2-3%					79-81	
							interstitial py, mag, qtz platey py. py, mag MoS_2 vug filling.	BRECCIA. (11)				BQWL			
85						py mag	interstitial, py mag biot. aphanitic pinkish grndmass w/ 20% 1-2mm feldspar phenos		4%						
					Mod	MoS_2 py Mag	mag, chl, F biot → mag. py mag → hem. py, specks MoS_2 cuts mag, py vnlts. py mag cuts mag, py vnlts. small tongue of and.	85.9-89.4 Leucrocratic Monzonite (1) Biotite rich intrusive 20-30% w/ 70-80% whtish fresh feldspar phenos w/ intersitial biot → mag Very f- stock work of mag; mag py vnlts. some Fl.	4%					86-89	
90							chilled. py, mag, MoS_2, qtz	89.4-104.4 ANDESITE (5) Fine Grained							

HOLE NO.: DP-74-1 | PROJECT: DEER PARK | PAGE NO.: 7 OF 15

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY: GFN.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
90					mod	mag chl py		corb. cuts py hairline py vnlt 1.7cm dk f-g and. w/ minor wht feld phenos. platey py py mag specks MoS_2. qtz, py, mag vnlt, cuts py mag qtz irreg qtz py mag MoS_2. Fr sp 2"	Fine Grained ANDESITE (5) Dark grey f-g andesite dyke, 10-15% mafic dots <1mm → mag also dissem magnetite & wk chl of mafics.	2%						
			Chlor			mag py		wk chl, py irreg mag chl ep veins py, mag, specks F, ep qtz vug filling of above minerals. 14 F/meter		3%						
95					mod	ep mag py		mag, py specks F filling around breccia frag. c Fr/in cuts below Fr/ill qtz py, mag ep						75-78		
								mag, ep. py, calc, chl mag		3-4%			BQWL			
100						py mag chl ep		mag biot ep. calc py chl, mag. 1cm py qtz mag ep. platey py. ep qtz, py, mag mag py. calc, py mag chl. 16/meter.								
105								dissem py mag py, some v-f. MoS_2.	104.4 — see next page for descript.							

HOLE NO.: DP-74-2 | PROJECT: DEER PARK. | PAGE NO.: 8 OF 15

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY: GEN.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED

DESCRIPTIVE GEOLOGY

105

110

115

120

mod

strong

mod

py, MoS2

&py, qtz on fract. py, MoS2
breccia 3cm from vn w/qtz MoS2 in f.vf.
MoS2 point.
py, MoS2.
py, qtz, specks MoS2, F
vug F
py, MoS2
py, mag, F, calc
yellow-green clay.
py MoS2.
hair line py.
dissem py, mag.
hair line fr w/calc/dol, qtz.
hair line fract. w/py fat and col.
mag py frac filling. 2cm f-g dk grey and dike w/ and feldspar phenos.
platey py.
vuggy qtz
hair line qtz vnlts
6cm dk - dk grey and on rim w/ por reddish core
core missing.

Aphanitic Qtz-Monz. PORPHYRY

30% 1-2mm whitish pink blocky.

(2) feldspar pheno's set in a grey-pinkish siliceous aphan. ground mass, <1% dissem. py some mag → hematite.

1065-1065.65 Alter'd section.

white sugar text'd silica rich felsic tx.

- 4-5% dissem sulphides py, mag & v-f. MoS2. f-vuggy text

% SULPHIDES: 4%, 6%, 4%

CORE SIZE: BQ WL

HOLE NO.: DP-74-2 | PROJECT: DEER PARK | PAGE NO.: 9 OF 15

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm : 1m.

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY: G.E.N.

SECTION	ALTERATION: silica	sericite	clay	chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
120					mod - strong	MoS_2		py, F⁻ qtz/py, minor MoS_2	Aphanitic Qtz-Monz. PORPH.							
								py, F MoS_2 5/30cm.								
								py chl.								
						py		mag., py	(2)	3 - 4						
								py chl 5/30cm.								
								2-3mm py. vn.								
								py chl w/ smear ± MoS_2.								
								vug w/ F								
125								chl, w/ py ± some clay. 7 F/30cm								
					mod - strong	mag, F py		hairline mag frac fill. good stock work + - py								
								mag & mag chl. vnlts.	— increase in fract. density w/ the development of a mag, qtz - py stock work.							
								qtz, mag py vnlt. 3mm.								
								chl, py F cuts. py mag								
								hairline mag py stockw.		4%			BQWL			
130								hairline mag, py. stockwork 10 F/10cm.								
								chl, py F. 6/10cm.								
								4cm and dyke.		4%						
								mag py qtz vnlts 3/10cm.								
										3%						
								chl, py								
135								qtz, py, gives whit. alteration color	— bleached zones w/ qtz, py.							

HOLE NO.: DP-74-2 | PROJECT: DEER PARK | PAGE NO.: 10 OF 15

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY: GEN.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
135					Strong	py mag		2mm qtz mag, py vnlt chl py qtz. mag qtz py vnlts. stockwork (mod-strong)	Aphanitic Qtz-Monz. Porph. (2)		5%						
					mod			chl, py qtz, calc. 5/0.5m.									
140					st			7cm porph. and. hairline mag, str chl, py mag infill instr fract'y.			4%						
					Strong			str fract. brec w/ chl, py mag stockw. 13cm porph and. sharp						BQWL			
145					wk	py		slip w/ calc, F sharp — 5cm calc, chl-MoSe blebs. 8cm grey Feldspar porphy. patchy clay ser alkin.	44.7-45.2 (5) Andesite - dk f-g w/ irreg. pinkish feldspar phenos.		1%						
					mod-str.	MoS2. py.		py, F ∓ MoSe minor clay 10cm. porph and. v-f hairline mag vnlts up to 8/5cm.	(2)		3%						
150																	

HOLE NO.: DP-74-2	PROJECT: DEER PARK	PAGE NO.: 11 OF 15	
COLLAR ELEV.:	GROUND ELEV.:	DATE STARTED:	REF. TO CLAIM CORNER:
COORDINATES:	N. E.	DATE FINISHED:	SCALE:
INCLINATION:	BEARING:	TOTAL DEPTH:	LOGGED BY: G.E.N.

SECTION	ALTERATION: silica	sericite	clay	chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
150					mod to strong	py MoS2		1cm calc mag, py F MoS2 qtz vn 1mm w/ MoS2 cpy py hair line mag vnlts. qtz w/ f MoS2. Mag, cpy qtz, F sh	Aphanitic Qtz-Monz. PORPHYRY Cont (2)	2%						
					mod	py cpy		qtz, cpy. 2cm zone along Fr minor calc F py mag vnlts 6/m. 1.5cm cal, py mag.	53.7 - 55.2 F.gr. ANDESITE (5) f-g dk and w/ irreg spotty pinkish feld phenos up to 1cm (anhedral) mod mag. f felt gndmass w/ biot	<1%						
155								MoS2 point. 2cm py, mag vn.								
					strong	F, py mag MoS2		irreg. py, Mag. calc qtz, F, MoS2 (in some case rims above minerals infilling. calc, F. & cal, qtz py F, MoS2 up to 7/30cm.	increase in F, qtz calc. MoS2, sulphides (2)	7%						
160					strong	MoS2 cpy.		calc qtz py F w/ MoS2 on rim. qtz MoS2 py cpy calc, py mag cpy qtz F 2cm chl and. 1mm qtz, MoS2 vnlts.		7%						
						MoS2		3m py qtz calc MoS2 cal py mag py. irreg py F qtz MoS2.								
165																

HOLE NO.: DP-74-2		PROJECT: DEER PARK	PAGE NO.: 12 OF 15
COLLAR ELEV.:	GROUND ELEV.:	DATE STARTED:	REF. TO CLAIM CORNER:
COORDINATES:	N. E.	DATE FINISHED:	SCALE:
INCLINATION:	BEARING:	TOTAL DEPTH:	LOGGED BY: GEN

SECTION	ALTERATION: Silica	ALTERATION: Sericite	ALTERATION: Clay	ALTERATION: Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
165					Strong	F py cpy		calc qtz py, mag cpy± F str. greenish clay; feldspar → clay; 2 mm clay; qtz, py, cpy F	str calc, mag py F cpy± up to 5cm.		5%						
								gouge F, py appear to ground up.	167.6 - 182.4 FAULT ZONE								
								str broken, rx clay altern. gouge; 5cm gouge									
170					Very Strong			10cm gouge; str qtz vns w/ some MoS_2.			2%						
								small broken rx fragments; str broken most frags appear to be and., chl w/ biot.									
						MoS_2 py.		strongly broken. rhy feld. por. w/ some mag, py calc MoS_2 in frag.									
175					Very Strong			f-g and. str broken.			2-3%						
								breccia. rhyolitic feldpar and. → mag cement.									
								mainly str broken rhy porph.									
								dk f-g and w/ some irreg and feld phenos ~.5 cm									
180																	

HOLE NO.: DP-74-2 | PROJECT: DEER PARK | PAGE NO.: 13 OF 15

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm:1m

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY: G.E.N

SECTION	ALTERATION: silica	sericite	clay	chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
180					Strong	mag py		str fr chl, w/minor mag. dissem mag. hairline mag. on fr	FAULT ZONE CONT'D	4%						
					mod-strong	mag, MoS2 mag		chl, mag. str dissem mag, chl MoS2 cpy		6%						
185						mag		rhyolite feldspar porph; f-mg and. dykes; m-g biot and	184.0 (5) INTERTOUNGING ANDESITE DIKES f-g-m.g andesite dikes, weakly chl, minor sulphides, weakly magnetic	1-2%						
					str	MoS2-PH MoS2 mag		F ± MoS2. dissem, mag, chl same biot, specks cpy.py hair line mag ± chl cpy	188.1-189.3 Aphanitic Qtz-Monz porphyry. (2) str mag. dissem & vnlts.	7%						
190								4cm calc qtz, chl vn. at contact cal, chl, MoS2 dissem mag, biot; chl, calc, mag; chl, F, MoS2	Porphyritic Andesite Dikes (56) 5% white pink subanhedral feldspar phenos up to 1cm w/ 1mm hb? biot phenos in a f-g gnd mass - grey black in color. - Fresh. mod magnetic.							
					mod str mag			chl, mag 8/0.5m. cal		3						
										<1						
195								2cm calc, mag. chl.		<1						

HOLE NO.: DP 74-2 | PROJECT: DEER PARK | PAGE NO.: 14 OF 15

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY: G.E.N.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
195								0.5cm Mt. chl cpy	Aphanitic Qtz-Monz. PORPH (2) w/ ANDESITE DIKES CONT'D. (5b)	3%						
						Mt		hairline chl; chl mag; mag. vnlts		<1%						
									f-g-mg and. wkly to mod chl. mod. magnetic, wk calc, mag vnlts, v-minor dissem. py, usually w/ brecciated contacts.	3%						
					str mod str			2-7cm breccia and; rhy feld porp mag chl qtz py.		<1%						
200								chl mag		3%						
								chl. py MoS_2.		<1%						
						F-Mt MoS_2		5cm mt, calc. chl cpy py. vn.		3-4%						
								chl mag ± py		<1%						
								chl mag, MoS_2								
								brec cont w/ chl mag. biot. and; rhy frag.	m-g. biot and dykes, wkly chl. mod. magnetic,	<1%						
205																
								chl ± mag. Fr.		4%						
								hairline mag vnlts								
						Mt		vuggy, chl, mag								
210																

HOLE NO.: DP 74-2 | PROJECT: DEER PARK | PAGE NO.: 15 OF 15

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm = 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 212 m | LOGGED BY: G.E.N. May 1979

SECTION	ALTERATION: silica	sericite	clay	chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
210				N					210.0-210.3 PORPHYRITIC ANDESITE (56 grey,blk f-g and. w/~1% whitish feldspar phenos. mod. mag.								
				N				vuggy calc, chl, mag F⁻ vn.									
				N				20cm gte flooding w/chl Mo Sz py cpy sph.	211.8 END OF HOLE								

PAGE NO.: 1 OF 7

CASING COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: N. 69+97 E. 77+78

INCLINATION: 0-45.5° 300-50°

BEARING: S 10° W

PROJECT: Deer Park

DATE STARTED: June 23, 1974

DATE FINISHED: June 29, 1974

TOTAL DEPTH: 212.0 m

HOLE NO.: DP-74-2

REF. TO CLAIM CORNER:

SCALE: 1cm. 1m

LOGGED BY: G.E.N.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
10	13	72765			112	49	60	1	2650

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 2 OF 7

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 212.0 m

HOLE NO.: DP-74-2

REF. TO CLAIM CORNER:

SCALE: 1cm: 1m

LOGGED BY: G.E.N.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F	FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
22	25	72766			24	85	65	1	1520										

PAGE NO.: 3 OF 7

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 212.0m

HOLE NO.: DP-74-2

REF. TO CLAIM CORNER:

SCALE: 1cm:1m

LOGGED BY: G.E.N.

CORE										SLUDGE									
DEPTH INTERVAL		SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM					DEPTH INTERVAL		SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
FROM	TO				Cu	Mo	W	Sn	F	FROM	TO								
30	33	72767			26	59	60	1	1650										
35																			
40	43	72768			12	39	17	1	2200										
45																			

PAGE NO.: 4 OF 7

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 212.0 m.

HOLE NO.: DP-74-2

REF. TO CLAIM CORNER:

SCALE: 1cm : 1m

LOGGED BY: G.E.N.

	CORE										SLUDGE								
	DEPTH INTERVAL		SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM					DEPTH INTERVAL		SAMPLE NO.	LBS. REC.	% REC.	ASSAY			
	FROM	TO				Cu	Mo	W	Sn	F	FROM	TO							
45																			
50	49	52				52	124	12	1	1970									
55	54	57	72770			56	41	40	1	2980									
60																			

PAGE NO.: 5 OF 7

PROJECT: Deer Park

HOLE NO.: DP-74-2

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm: 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 212.0 m

LOGGED BY: G.E.N.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
70	73	72771			74	38	25	1	3080

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 6 OF 7

PROJECT: Deer Park

HOLE NO.: DP-74-2

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm:1m

INCLINATION:

BEARING:

TOTAL DEPTH: 212.0m

LOGGED BY: G.E.N

CORE										SLUDGE									
DEPTH INTERVAL		SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM					DEPTH INTERVAL		SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
FROM	TO				Cu	Mo	W	Sn	F	FROM	TO								
79	81	72781			26	48	14	1	2110										
86	89	72782			42	27	12	1	3950										

PAGE NO.: 7 OF 7

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 212.0 m

HOLE NO.: DP-74-2

REF. TO CLAIM CORNER:

SCALE: 1cm:1m

LOGGED BY: G.E.N.

CORE										SLUDGE									
DEPTH INTERVAL		SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM					DEPTH INTERVAL		SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
FROM	TO				Cu	Mo	W	Sn	F	FROM	TO								
95	98	72789			34	5	15	1	2990										

HOLE NO.: DP 74-3
COLLAR ELEV.:
COORDINATES: N. 71+00 E. 106+00
INCLINATION: 0° 42.5° 695' 45°
GROUND ELEV.:
BEARING: DUE SOUTH

PROJECT: DEER PARK
DATE STARTED: JULY 6, 1974
DATE FINISHED: JULY 12, 1974
TOTAL DEPTH: 695' (211.8m)

PAGE NO.: 1 OF 14
REF. TO CLAIM CORNER:
SCALE: 1 cm = 1m
LOGGED BY: R. L. [illegible]

SECTION	ALTERATION: SILICA	ALTERATION: SERICITE	ALTERATION: CLAY	ALTERATION: CHL - EP.	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
0								0-6.7 OVERBURDEN								
5								7367			Freq. 1/30					
					Mod. 1/1.5m 4-6/m.	MM-Py - Tr MoS2		6.7-32.1 PRE-MINERAL BRECCIA (11)								
								Mod. 1/2 frac. w/ sparse MM-Py and rare MoS2. Occ. rug w/ MM-Py.								
10								2cm w/ clay-(Py) .3m-frag of ⑨								
								Wk. M. alter. mafic in min. frags.								
								Py-Py alng. [illegible]								
								Dikelet of gray fgm porph. 3cm @ 60°.								
								Numerous aplitic fgm porph frags.		1% +	Variable, few mm. to .3m.		80WL			
								Tr MoS2 on frac.								
								MM interst. w/ Py.								
15																

HOLE NO.: DP 74-3 | PROJECT: DEER PARK. | PAGE NO.: 2 OF 14

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1 cm = 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 211.8 m | LOGGED BY: BKB.

SECTION	ALTERATION: SILICA	ALTERATION: SERICITE	ALTERATION: CLAY	ALTERATION: CHL-EP.	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
15									POLYLITHIC BRECCIA - CONT'D (11)								
								- grey fine tf	Locally small vugs w/ Qz-MH Chl'd of mafics in intn. frags.								
								Sparse Qz - minor MH on dis. fract.									
							①		17.1 8cm dikelet of aphanitic fsm porph. Tr. Qz.								
								MH-Qz int.									
								- many light frags	prob. represent aphan. fsm tf.								
20																	
							2b		20-30 Bx f. vogy, w/ some vugs up to 1-3cm. Wk+ Sil'd as acc. gangue in sulphide vlts and also as vug coating.								
									Bx of chlorite frag w/ 10% 1mm Qz-Py vug-filling.								
								1cm Qz - MH.	" " " " , gtz eye noted.								
								w/ MH Qz - MH.									
25									0.3m frag.								
									0.2m "								
									2b								
								HL w/ Qz-MH.									
								MH - Py in vug.	3cm dikelet @ 40° ca. Matic lith w/ str. dis'd Py-Cpy.								
							②										
								MH. Py.									
									Numerous small vugs w/ Py-Cpy-MH-(MoSa). Also mod. @ lining vugs.								
30																	

2% pkd. in matrix. 2-3 mm to .2m.

3-4% dom. in matrix.

15-18

BOWL

HOLE NO.: DP 74-3 | PROJECT: DEER PARK. | PAGE NO.: 3 OF 14

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm = 1m.

INCLINATION: | BEARING: | TOTAL DEPTH: 211.8 m | LOGGED BY: BVB.

SECTION	ALTERATION: SILICA	ALTERATION: SERICITE	ALTERATION: CLAY	ALTERATION: CHL-EP.	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
30								Hk w/Hem.	BRECCIATED BRECCIA - cont'd. (11)							
									Hk flood w/ Py-Mt (Q-Mo?)							
								(2)	Q less qtz than 20-30%.	2%+						
								(2)	Wk chl-ep in intr. frags.							
								2x3mm w/Py (Q)								
								2mm w/ Q-Cpy								
									Hk flood w/ minor Py-Mt-(Q)							
35								2.5 cm Mt Py.		2-3						
								?	36.1 - 38.7 (DIKE) Porphyritic Syenite (20c)							
								Minor Q-Mt on Fr	2-4 mm anhedral white-cream feldspar, w/ both [illegible] and cores, 20-30% set in Hk brownish-beige gm w/ much fine gr'd Mt.	Tr.						
								w/ minor Py-Cpy	38.7 - 39 BRECCIATED BRECCIA. (11)							
								?	39 - 44.3 Porphyritic Syenite Dike (20c)							
40									Similar in all respects to above dike except that fspars phenos locally up to 1cm. P.S. # (2)							
								Rare fract @ 30-40 w/ Qz filling.								
									Local cracking w/ Hk Py filling.							
								3-4mm	Mod chl. after mafics and chl-ep. after fspars. Hk mottled clay (?) alteration in gm enveloping fspars in part.	Tr				39-47		
								Mica Pb ring w/ Tr Mt 1cm in w/ minor	Pb - (Py)							
45								7mm w/ Py.	Frag of fspar w/ minor mon Pb cpx.							

HOLE NO.: DP 74-4 | PROJECT: DEER PARK | PAGE NO.: 4 OF 14

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm = 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 211.8 m | LOGGED BY: [illegible]

SECTION	ALTERATION: Silica	Epidote	Carb	Chl - Ep.	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
45					30-40 + Hrs	Py-Po - TR MoS2 - Cpy		3cm w/ Mt - Tr Py. Buff w/ 3% qtz eyes. 2-4cm flesh colored aplitic w/ 5% 1-2mm Qtz eyes phenos. TR MoS2 15 cm andesitic porph.	Polylithic Breccia - Cont'd. (11) Numerous small veins w/ Py - Q. Frost w/ gen wk Mt filling of Mt - Py - (Q) - Tr Cpy. 40.5 - 40.5 vuggy w/ 2% Mt - Py - (Q) - Tr Cpy fillings. No MoS2 noted in fract. as dike approached. 0.3m andesite dike @ 60°.	1-2, except heavy Mt filling			BQ WL		
50					1-2/m, Hr. Sh.											
55	FRESH				0-50, 2-4/m	Tr F.		Sparse Fr. w/ minor Py - Chl - Tr F.	50.6 - 56 Porphyritic Syenite Dike (20c) Characterized by large leached feldspar phenos up to 1 cm+, 20%; 10% subordinate +2mm rounded feldspar phenos; 10-15% fine 1mm biotite set in aphanitic light greyish buff gm. 2-3% Mt disst.	Tr.						
60					Mod. Sh. Hrs.	Py - Mt - Tr MoS2 - Cpy		2cm clot Py w/ 2mm + MoS2. Tiny fr. w/ Py - Mt - (Q) - Tr Cpy - MoS2. w/ Mt - (MoS2 - Cpy)	Polylithic Breccia - 56 - 60 (11)	2-4 intersty.						

HOLE NO.: DP 74-3 | PROJECT: DEER PARK | PAGE NO.: 5 OF 14

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm = 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 211.8 m | LOGGED BY: BKB

SECTION	ALTERATION: SILICA	ALTERATION: SERICITE	ALTERATION: CHL	ALTERATION: EPI - EP.	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
60	FRESH.				Wk.			Irreg @ 60°. Sharp irreg.	Gr - Al.1 Porphyritic Syenite Dike (20c) DIKE	Tr.						
					Mod 68 / 4			Slip Mos. 2 cm w/ Py Cpy (Epid - Mos) - F 3mm w/ Cpy - Py - Cb 2cm w/ Cpy - Cpy - Py 3mm w/ Py - Cpy - Cb	Polymictic breccia 61.1 - 73.3 (11) 1/2 Py - Cpy 1/2 Brec w/ Py - Mt - Cpy (Epid - Cal) tr. MoS2 locally. Increase of Sen. in matrix w/ increase in sulphides. (2)	1-2						
65					Mod			3mm w/ Mt - Py - Cb	61.1 - 66.3 Dikelet of and. feldspar porph.	3-4						
					1-2 Wk.			H/c w/ Mos. (Cpy - Py) 5mm w/ minor Mt - Ep. Tr Mos. Cb. 1mm w/ Py.	so mafic bdy - grey feldspar more prod. Irreg xenoliths of hornfelsed feldspar porph.	1+			Edwl			
70					3-5° + Irreg.			H/c Fr. w/ min. Py - Mt - Cpy - Cb. Chl. Tr. MoS2.	68.9 - 71 open interstices partially filled with Py - Mt - (Cpy - Cb) - Tr. MoS2							
								(2) Sharp @ 60°.	71.5 - 71.7 Dikelet of and. feldspar porph. @ 72.5 Light grey frag. sm. siliceous, text vague, locally aphanitic feldspar porph. Sericite pers. and in vugs. ly dissi 5% + Tr MoS2 disc and in vn. (tourmaline @ frag. contact). 1st evidence of pre-breccia MoS2 mineralization.	2				73.5-76.5		
75					84 / 4			(Py - Py on H/c) Fr.	DIKE - see descrip next page.							

HOLE NO.: DD 74-3 | PROJECT: DEER PARK | PAGE NO.: 6 OF 14

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm = 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 211.8 m | LOGGED BY: BLB.

SECTION	ALTERATION: SILICA	ALTERATION: SERICITE	ALTERATION: CHL	ALTERATION: CHL-EP.	FRACTURING	MINERAL	GEOLOGY	COMMENTS	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
75					1-3/ft.	Py-Mt.		Mt. w/ [illegible] Mt. Tr. Py on irr. fract.	73.8-76.5 Porphyritic Syenite Dike (20a) 20% 6-8mm euhedral fspars, some w/chl'd cores set in light grayish-brown matrix of fspar, fine grd Mt → Hem. Rib'd Qtz'mass with Sep'd? Lower Cont. chilled.	Tr.				73.5-76.5		
80					6/ft.	Py-Mt-Tr MoS2		Sparse Py-Mt on fract w/chl coated P.	76.5-82.8 POLYLITHIC BRECCIA. (11) Locally vuggy w/ lining of Cal-Q-Py-Mt. Sec. perv. interstitial, possibly fine 2° Bi intermixed. @80 [illegible] dikelet, as per 82.8-84. Qtz interstitial, 1-3mm 10-15%.	1-2			BOWL	79-82		
								Tr MoS2.								
					3/ft.			Dkr Ft. w/ minor Mt. Py. Tr MoS2	82.8-84 Grey/Pink Fspar Porphyry Dike (12b) as per (12b) Minor MoS2 disem. Weak phyl'd - minor ep. (Mo Positive Dike)	Tr.				82.8-84		
								sharp @ 30	84-84.9 POLYLITHIC BRECCIA. (11)							
85					1-2/ft 60°	Mt.		n.f. on fract.	84.9-87 Porphyritic Qtz-Diorite (6) Fspar porph w/ 10-15% mafics in gm	—						
								sharp @ 30.								
					6/ft 1mm.			Loc. vugs w/ Mt filling. Tr. Mt. Py on irreg fract. Spec MoS2.	87-101.4 POLYLITHIC BRECCIA. (11) Locally vuggy w/ sparse filling of Mt-(Q-Py)	Tr.				89-92		
90									88.7-88.9 Lamprophyre w/ 3% 2-3mm Bi phenos.							

HOLE NO.: DD 73-3 | PROJECT: DEER PARK | PAGE NO.: 7 OF 14

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm = 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 211.8 m | LOGGED BY: B.H.S.

SECTION	ALTERATION: SILICA	ALTERATION: ?EPIDOTE	ALTERATION: CLAY	ALTERATION: CHL-EP	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
90								Frags of (23) w/ no Mo						89-92		
								POLYLITHIC BX - CONT'D. (11)								
								H/C Frac w/ mm MH-Py - (P-Sat)								
								Minor S-P interstitial in matrix.								
								Locally vuggy w/ MH-Py partial filling.								
								Tr. Cpy.								
								(32) grey sil. frag.								
								(1)								
								93-93.2 0.2 m dikelet @ 60° as per Mo positive suite (7) - no MoS2 obs'd.								
								93°								
95								94.5-95.4 dike as per 84.9-87								
								(2)								
								fspar. MoS2.								
								95.9-97.1 Dikelet of dark grey fspar porph. (8)								
								Frags of (23) w/ MH no Mo.								
								2mm vuggy w/ Chl.								
								98.2-99.2 Dikelet as per except fspar phenos finer grd and more chloritized.								
								(32)								
								(2)								
100								w/ MH-Tr Py.								
								0.1 m dikelet as per (7) except fspars more chloritized No MoS2								
								101.4-103.5 Porphyritic Syenite Dike (20)								
								fspar phenos 1-2 cm, glomeroporph, zoned pink w/ grey core. 5% 1-2 mm Bi, sat in aphanitic m. gr. gm. P.S. #20. Both margins chilled.								
								Fp. after smaller fspars. MH sat after Bi								
								103.6 Int POLYLITHIC BX. (11)								
								104.0-105.0 ? DIKE OR FRAG.								
105								fspar phenos pink, anhedral 5 mm, tiss ? Fe staining due to Sh dev & MH and Py (Cubic).								

Frac. of 60°, 6-8 MH, 2-4 MH, 3/5

HOLE NO.: DP 74-3 | PROJECT: DEER PARK. | PAGE NO.: 8 OF 14

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1 cm = 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 211.8m | LOGGED BY: B.K.B.

SECTION	ALTERATION: SILICA	ALTERATION: SERICITE	ALTERATION: CLAY	ALTERATION: CHL-EPI	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
105								Mod intensely wd w/c Fr. w/ chl-MM-Hem. Many w/ MM-B filling. Mod Sp (6) Minor Py-Gal (7) (8)	POLYLITHIC BRECCIA 105 - (11) Part 107, short sections of mod to strongly broken core. Possibly some faulting. Some jt. surfaces chloritized w/ chl. Frac increases mod-str. irreg w/ gen wt sulphide coating of Py-MM-minor Cpy-Gal-MoS2. No incr. in alt'n. Sections of broken core continue to 123.3		1/2						
110								Many w/ MM-(MoS2) and sulph gen. w/ fine min. 0.5m (6) Poor recovery. 10cm w/ Cpy-Gal.									
115								Irreg Fr. w/ MM-B. (Gal)-Tr. Cpy-MoS2 w/c w/ Py-MM. Gal.									
120																	

HOLE NO.: DP 74-3 | PROJECT: DEER PARK | PAGE NO.: 9 OF 14

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm = 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 211.8 m | LOGGED BY: BKS.

SECTION	ALTERATION: SILICA	SERICITE	CLAY	CHL-EP.	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
120					Fr. Hvy bf Lg.	Py-Mt-Cpy-Tr MoS2.		Wk w/ MoS2.	Polymictic Breccia. (11)								
								(2) Hl/L fract w/ Q Mt-(Q-S)-Tr Cpy. MoS2?	Short sections of broken core continue to 123.5. Slickensided fract. surfaces. Core recovery poor 50-70%. Minor Q-Ser-Chl alt'n intermittent.								
								(2) Vuggy w/ Qtz Q-Mt-Py filling.	Numerous frags dk grey fspar porphys.		1/2						
125					60° Lg.			30° fract w/ fspars as above.									
	FRESH.				Wk			Wk Hl/L fr. w/ Py. Cpy-(Q)-Tr MoS2.	126.3-127 Fspars dk grey, anhedral, 5-10mm phenos, 30%, matrix fine, 1-2 mm Bi, set in dk grey-grn gm. Sil. diss'd Mt, v. fg'd. No Py.		Tr (Hard.)						
								Py-Mt in wk Hl/L w/ Mt. Cpy. Tr MoS2.	127-127.3 Polymictic Breccia. (11)								
					30°-35° Lg.			(3) Vuggy w/ Qtz spot Hem filling Py-Mt. Tr MoS2 at	127.3-128 Grey-Pink Fspar Porphyry (12 b) Flesh colo'd, and 5mm Mt-Py vugs - possible ~~fspar~~ on in Sil. MoS2 abs'd. Chl-(5) after matrix.		1/2						
									~~Brec. on fract.~~ (11)								
130					1-2 Lg.	(Mt-Py)-Tr Gal.		10-15 cm chill margin.	130 - 137 Porphyritic Syenite Dike (20 a) As per 34a except fspar phenos fspar phenos f.g'd (5mm avg) some chl after matrix otw. fresh.		Tr						
								Mt. on fract.									
								3x2mm w/ Mt-Py (Tr Gal)									
								Wk fract. w/ Tr Mt.									
135																	

HOLE NO.: DP 74-3 | PROJECT: DEER PARK | PAGE NO.: 10 OF 14

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1"=100' = 100'

INCLINATION: | BEARING: | TOTAL DEPTH: 211.8m | LOGGED BY: BKB.

SECTION	ALTERATION: SILICA	ALTERATION: SERICITE	ALTERATION: CHL	ALTERATION: CHL-EP	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
135					1-4			137.0 Porphyritic Syenite Dike (20a)								
								Hf. on fract.		—						
								137-155.1 POLYLITHIC Bx. (11)								
								Generally, wk chl alt in chl-ep. alt in column refers to chl'd altered mafics in cm marks lists, frags.								
					45+ Intrg			2mm w/ Mt-Py.								
								Hf w/ TT Mo-Cc								
140								open vug w/ Py-Mt + Po lining.								
								140.3-140.7 Dike let of (+) w/ Py-Mt-Gal on Fract.								
								Py-Mt interstit.								
								142-143 - Micro-Bx.								
					67H			Hf Fract w/ sparse to mod Py-Mt Hf.		1-2						
								Breccia locally tight w/ local Py-Mt-(Po) filling.								
								143.7-144 Micro-Bx.								
								Micro-Bx.								
145																
					45+ Intrg											
								Minor Py-Mt on Hf Fract.								
								1mm w/ Py-TT Mo-Cc.								
								few specs disd Mo in matrix.								
								149.5-150 Microbreccia frags 1-2mm ±.								
150																

HOLE NO.: DP 74-3 | PROJECT: DEER PARK | PAGE NO.: 11 OF 14

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1 cm = 1 m

INCLINATION: | BEARING: | TOTAL DEPTH: 211.8 m | LOGGED BY: R.K.S.

SECTION	ALTERATION: SILICA	ALTERATION: EPIDOTE	ALTERATION: CLAY	ALTERATION: CHL-EP.	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
150					6 H	Py		(23) H/c fract w/minor Mt. Py. Microbreccia.	POLYLITHIC BRECCIA - CONT'D. (11)	1-3+ Mt.						
									153.8 - 154 Dikelet @ 50° - similar to (8) w/ sim. lighter grey gm.							
155				?	3 H	Mt-Py		- H/c 5/10 cm. - ½ mm Mt-Py lac. coat on fract.	155.1 - 158.4 Porphyritic Syenite Dike (Rylvitic) (18) 30-40% mod hed fspars, 2-3mm cream mm. grey conc, sch w/garnisheat (propylitic alt?), 10-15% 1mm Bi set in lt grey sim. sil. gm. Similar to 1a up to 2-3% Py.	1/2 - 1				155.1-158.1		
								Sharp @ 50°.								
								w/Py-Mt.	158.4 - 159 POLYLITHIC BRECCIA. (11)							
160					4-8 H	50-5		6 cm andesite dikelet.	159.5 - 164 Aphanitic Biotite Fspar Porphyry (16) Mainly white euhedral fspar porph dike w/short sections of breccia. Hybrid gmc. larger fspars 20-30%, 5-7mm, poss. glomeroporph, smaller fspars blocky 1-2mm, Bi 1mm 15% gm. m. grey aphanitic.	1-2						
165								?	164.5 - 165.8 POLYLITHIC BX.							

HOLE NO.: DP 74-3 | PROJECT: DEER PARK | PAGE NO.: 12 OF 14

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm = 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 211.8 m | LOGGED BY: BKB.

SECTION	ALTERATION: SILICA	SERICITE	CLAY	CHL - SERP.	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
165									POLYLITHIC BRECCIA (11)								
					45°				165.8-170 Porphyritic Syenite Dike (20a) As per 130-137								
								Wk H/L Fract w/ Py.			—						
	FRESH.				2-4 H												
								Zone w/ Py-Cpy Spec Hem Some w/ Py-MoS2 Zone w/ Py-Cpy -MoS2									
170									170-171.8 Polylithic Bx. (11) Mod alt. interstitial.		1-2						
								Minor H. as per	0.3m dikelet (feld?) of dk. grey feld porph. interst.								
								?	171.8-175.3 DK GREY and FELDSPAR PORPH. (13) Locally w/ short sections of Bx.								
					6/H as shown			H/L continue w/ Py-MM-(Cpy-Spec Hem)-Tr MoS2 MoS2 disc'd.			1/2-1			BADLY	172-175		
								H/L MoS2 w/Py. Sharp @ 55									
175									175.3-180.7 POLYLITHIC BX. (11)								
								MoS2 H/L	Py-MM-(Cpy)-Tr MoS2 on irreg interstitial fract.								
								w/ MoS2-Qtz-Gal. w/ minor Cpy-F			1-2						
180																	

HOLE NO.: DP 74-3 | PROJECT: DEER PARK. | PAGE NO.: 13 OF

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: | N. | E. | DATE FINISHED: | SCALE: 1cm = 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 211.8 m | LOGGED BY: BKB.

SECTION	ALTERATION: SILICA	ALTERATION: CARBONATE	ALTERATION: CLAY	ALTERATION: CHL - EP.	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
180								w/ Py - F	POLYMITHIC BRECCIA - CONT'D. (11)							
					M			Specs diss'd MoS2 - Hk. w/ Mt. Py.	DK GREY FSPAR PORPH 180.7 - 182 (10) MoS2+	1+				180.7 - 182		
								2cm w/Ep. 2mm w/ Py. 5cm w/ Py-Cpy F-Py in vug	182 - 185.7 POLYMITHIC BX. (11) 184.8 - Chl of 2°Bi w/ Bio.	1						
185					G/H.			w/ Cpy - MoS2 specs. sharp @ 55	Cpy diss'd. Sil. diorite (?) trach dike. Increase in F on fract. trach dike							
					Mod-Irreg			Frags of dike @ 40°. Hk. fract. w/ Q-Py-Mt-Tr. Sol. sharp @	185.7 - 188 Alaskite (4) 1-2 mm equigranular 40% Q, 60% fspar, creamy to pink col. Ind hard, no fract? Minor chl in fract.	1/2 -			BBWL			
					S/H.			2mm w/ MoS2 per item.	188 - 190.6 POLYMITHIC BX. (11)	1						
190								Py-Mt mainly interstit.	189-189.7 Dk Grey fine porph. Contains numerous Hk vlt of Mt w/ minor F Py							
					A-G/H			w/ Py w/ 2% diss'd Py. Cpy 1mm w/ Mt. diss'd MoS2 oxid w/ vug	190.6 - 192.8 Dk. Grey Fspar Porph. (10) Hk chl. sparse Mt-Py on fract. 191.8-192 0.2 m dikelet (Hag?) of dk. buff sil. rk. w/ 10% fine fspar and 10% 1-2mm Bio. X-cut by Qtz-Mt-Py vlts.	1-2				190.6 - 192.8		
								3cm Sparse Mt-Py-Cpy in Fr.	192.8 Breccia (11)							
								5-7mm blebs Cpy	194 - 194.5 Lamprophyre dike. @ 195 2mm F vlt.							
195																

HOLE NO.: DP 74-3 | PROJECT: DEER PARK | PAGE NO.: 14 OF 14

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1 cm = 1 m

INCLINATION: | BEARING: | TOTAL DEPTH: 211.8 | LOGGED BY: BKB

SECTION	ALTERATION: SILICA	ALTERATION: SERICITE	ALTERATION: CLAY	ALTERATION: CHL-EPD.	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
195								H/L Frac.	POLYLITHIC BX - CONT'D (11)								
								H/L w/ Py-Cpy-E 2mm w/ Mt-Py-Cpy-E-MoS2	196-197 Porphyritic Qtz-Diorite (6) Porphyritic dike similar to (6), characterized by large glomeroporphyritic feldspar phenos with finer [illegible] groundmass.		Tr.						
								Py veinlet w/ Lt (E + Cpy) filling.	197- POLYLITHIC BRECCIA (11)								
								4mm Mt.	198.3-198.7								
200					Mod. to Str. 30-50 + irreg.				Large chip of intr. sim. to (1) (w/ fine mafics) except feldspars grey not pinkish.		1/2 in Bx.			BAWL			
								H/L w/ MoS2.	2mm 2-col.3 Porphyritic dike similar to (13) with 2% Py disst and Trace disst MoS2.								
								Frac as per 197-197	Most H/L Frac w/ Mt ± Q-Chl-Py-(Cpy)-Tr. MoS2 + E.								
								2mm w/ Py (MoS2)	Frac similar to Mo. positive suite (feldspar phenos intermixed w/ grayish cast w/ minor Py and Tr Cpy disst.								
								Mt w/ Cpy-Py.									
								F in vug.	As per intervals above except no Cpy.								
205								w/ Mt.	197- E.O.H. Some sections broken core w/ f. abundant Chl on slips.								
								w/ Mt - MoS2									
								w/ Cpy	Less variety in fragment type.								
								w/ MoS2 - E.							207-210		
								H/L w/ MoS2.									
								Sim to Mo pos.?	210-211.8 E.O.H. as per above.								
210																	

PAGE NO.: 1 OF 11

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: 42.5°(0') N. 71+00 E. 106+00

INCLINATION: 45° (695') BEARING: Due South

PROJECT: Deer Park

DATE STARTED: July 6, 1974

DATE FINISHED: July 12, 1974

TOTAL DEPTH: 211.8m

HOLE NO.: DP-74-3

REF. TO CLAIM CORNER:

SCALE: 1cm: 1m

LOGGED BY: B.K. Bowen

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
		SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM							SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
FROM	TO				Cu	Mo	W	Sn	F	FROM	TO								
0																			
5																			
10																			
15																			

PAGE NO.: 2 OF 11

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 211.8 m

HOLE NO.: DP-74-3

REF. TO CLAIM CORNER:

SCALE: 1cm:1m

LOGGED BY: B.K.B.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
15	18	72790			40	62	75	1	2610

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 3 OF 11

PROJECT: Deer Park

HOLE NO.: DP-74-3

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm: 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 211.8 m

LOGGED BY: B.K.B.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
					Rock Geochem ~~ASSAY~~ PPM										ASSAY				
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	Cu	Mo	W	Sn	F	FROM	TO	SAMPLE NO.	LBS. REC.	% REC.					
39	42	72783			10	7	10	1	740										

PAGE NO.: 4 OF 11

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 211.8 m

HOLE NO.: DP-74-3

REF. TO CLAIM CORNER:

SCALE: 1cm: 1m

LOGGED BY: B.K.B.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
					Park Geochem ~~ASSAY~~ PPM										ASSAY				
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	Cu	Mo	W	Sn	F	FROM	TO	SAMPLE NO.	LBS. REC.	% REC.					

45

50

55

60

PAGE NO.: 5 OF 11

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 211.8 m

HOLE NO.: DP-74-3

REF. TO CLAIM CORNER:

SCALE: 1cm:1m

LOGGED BY: B.K.B.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
73.5	76.5	72784			22	14	15	1	970

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 6 OF 11

PROJECT: Deer Park

HOLE NO.: DP-74-3

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm:1m

INCLINATION:

BEARING:

TOTAL DEPTH: 211.8m

LOGGED BY: B.K.B.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
73.5	76.5	72784			22	14	15	1	970
79	82	72772			84	112	25	1	2750
82.8	84	72773			88	>200	14	1	1080
89	92	72774			88	85	15	1	2510

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 7 OF 11

PROJECT: Deer Park

HOLE NO.: DP-74-3

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm : 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 211.8m

LOGGED BY: B.H.E.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
89	92	72774			88	85	15	1	2510

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 8 OF 11

PROJECT: Deer Park

HOLE NO.: DP-74-3

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm: 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 211.8m

LOGGED BY: B.K.B.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
155.1	158.1	72785			114	15	15	1	830

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 9 OF 11

PROJECT: Deer Park

HOLE NO.: DP-74-3

CASING COLLAR ELEV.: GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm: 1m

INCLINATION: BEARING:

TOTAL DEPTH: 211.8m

LOGGED BY: B.K.B.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
172	175	72775			205	>200	17	1	2690

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 10 OF 11

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 211.8 m

HOLE NO.: DP-74-3

REF. TO CLAIM CORNER:

SCALE: 1cm: 1m

LOGGED BY: B.K.B.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
180.7	182	72776			205	35	20	1	2810
190.6	192.8				130	152	17	1	2410

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 11 OF 11

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 211.8 m

HOLE NO.: DP-74-3

REF. TO CLAIM CORNER:

SCALE: 1cm : 1m

LOGGED BY: B.K.B.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F	FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
207	210				186	200	15	1	2880										

195

200

205

210

HOLE NO.: DP-74-4
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: N.49°20'30" E. 118°01'30"
INCLINATION: 0-45°
BEARING: Due South

PROJECT: DEER PARK
DATE STARTED: JULY 14, 1974
DATE FINISHED: JULY 17, 1974
TOTAL DEPTH: 153 m

PAGE NO.: 1 OF 11
REF. TO CLAIM CORNER:
SCALE: 1 cm = 1 m
LOGGED BY: DRC

SECTION	ALTERATION: silica	sericite	clay	chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
0									0-8.6. Over burden (?) start of hole !- colour for soft, waxy bright apple green clay mud.					BQ/L			
5																	
10						HE		- highly oxid - v.f.g. pale colrd 'gritty' clast - HE	8.6-12.6 - Highly clay altrd and oxidized Polylithic breccia. w/ str (wavy) zones interstitial HE'D mafic >70% is v.csse FPPY! white irreg. blotty phenos 35% in v.f.g tan-oxidized g'mass w/ scattrd fine BI. (11)								
						HE		- Amd. - HE'd cubes mafic = v.f.g above - F-mas FPPY = (19) sl. soften - green clay, oxidate - HE - ≤1cm polylithic frags, nouns 14M, aphanitic white, no phenos - DK F PPY dominant	12.6-15.3 : clay altrd, oxid to 14.2 as above, but v. lt aphanitic frags appear with dk grey (f.grn poppeny g'mass w/ pinkish sse f.spars) ex PPY as dom. frags, Mafic present but less than before. (11)						12-15		
15																	

HOLE NO.: DP-74-4 | PROJECT: Deer Park | PAGE NO.: 2 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm : 1m

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY: DBC

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
15.0						HE										
								← 20b } - fine .5-1cm frags Polylithic; pink dominant - one of fine bxx 2b lt grey Pink phenos dominant	150-175: Breccia - Dk grey frags ≡ (2) dominant and largest frag							
18.0								← (1) } fine .5-2cm frags aph. & ppy (pink) w/ pre bxx frags, most dominant 20a 20b HE - green clay - oxidized	175-205 Breccia: Pink F ppy w/ vague phenos in a lt. grey groundmass w/ fine BI is a dom. frag w/ aphanitic frags Not too dissimilar to the 4ve at the most likely altid 7B (11)							
21.0								- pink sy porph: v similar to Motive units but sl. more porphyritic & w/ distinctive bootish BI 5%-10% } fine .5-1 cm frags, Lt. Pink aphanitic dominant HE - PP range ≈ 25 but quite altid	205 - Appearance of pink F ppy w/ csc lt green vaguely defined phenos, bootish BI similar to (3) (11)	2.9% 1% HE						
						MG MG		- contact sharp, reddening colour = chill dike contact up section - irreg. contact	BRECCIA - 5% mafic in matrix DIKE ≡ altered (Ser-clay) 35% F.G. w/ g/b DIKE textural, ≡ ; phenos sl. more ragged & zoned	5%						
24.0								} <30% recovery: pink FP predominates ≡ ( ) via contacts	BRECCIA (11)				BQWL			
27.0								- salt & pepper diab frag - pink FP vague phenos RHYOLITE frag - aph. BI nodes } brecciated in places but appears lt. green - siliceous & contact (None altered)	(7) PINK & GREY FP: DIKE - Pink phenos some w/ white cores in lt. grey matrix with a speckled gimmes of fine & bootish BI. < 60% Recovery							
30.0																

HOLE NO.: DP-74-4
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: BEARING:

PROJECT: Deer Park
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

PAGE NO.: 3 OF 11
REF. TO CLAIM CORNER:
SCALE: 1cm : 1m
LOGGED BY: Don B. Crowe

SECTION	ALTERATION: Silica	Sericite	Chlorite	Clay	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
30						MG		← fmm (4)	PINK & GREY F-P DIKE minor breccia						30-33		
33								SHARP contact w/ grey-brown lamprophyre (5a)	COE FELDSPAR PORPHYRY ANDESITE DIKE -(5b)								
360					moderate			AND & 36 in brx	UNIT (19) see below								
						MG		← (19) v sharp contact									
370					1 c 9 3	MG		← xenolithic contact; ← (19) v sharp contact	MED. GREY PORPHYRITIC SYENITE DIKE (19) 25% core 5 mgr. phenos: med. grey core, lt. pink rim in med to dk grey matrix w/ minor BT. Some textures similar to 26 but distinctly less euhedral and more zoned phenos				50% REC	BQWL		
									BRECCIA (11) : v case	Later than 36, and unit 29: pink-grey rich, vaguely defined phenos							
400					mod-sta	HE HE MG		mod vvtt	PINK SY PORPH less porphyritic than (6) predom. euhedral off-white phenos in lt grey nearly aphanitic matrix (extremely fine minor BT) = 6								
								RARE PPY 2cm x 2 frag (19) frag									
450																	

HOLE NO.: DP-74-4 | PROJECT: Deer Park | PAGE NO.: 4 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm : 1m

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY: D.B.C.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	MG-HEM % SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
45						HE		Clay, mild cs altid (4) minor alt'n 2c								
								units (6)+(6b): definite								
								(6) BI preserved } poor recovery								
48								why ppy dk matrix and (6) BI's gone; Lt. & dk (6) (matrix) in frag.								
								clay-cs altid (4)								
						MG		(6): lt pink brown phase								
								clay altid (4)								
								(6) - see below								
								altid (19) see descrip								
51						FL		(4) - stv clay altid								
								alt'd (6) (3,4)								
								altid 19 see descrip								
						HE FL		stv rust, LI dies mgte w/ CB								
54						MG FL		altid why ppy - clay (6)								
								(4) - altered								
								bxx - finer								
								(6): LI'd BI - barely visible								
						FL MG		FP's cut								
57																
						FL		? yellow FP - CB								
								FP's cut								
						FL		? yell FP - CB								
60																

(11)

CSE BRECCIA: Note appearance FL - calcite as opposed to altered, mafic-rich, comminuted infill in previous page. Note open space greater in this section

Bxx: mostly why ppy (11)

Bxx: ALT'D why ppy, altid 19 predom high average matrix as below (11)

Aphanitic Biotite Feldspar Porphyry

XV. CSE PINK FP: V.CSE strongly saussed FRAG (green) zoned phenos in lt. pink f.g. groundmass w/ f.g. 1% BI. Phenos highly anhedral - ALT'D (16) see GN 74-5 @ 92m

BRECCIA - polylithic w/ (4), (6b) why ppy

VCSE FP = CHILLED margin on altid 19 BRECC. FRAG. Lt. green-brown stained CSE in gr-br aphanitic matrix (highly porphyritic)

BRECCIA (6b) 4, RHY ppy frags in CB-FL matrix

DK PINK FP: (16): Texture similar to (6b) but generally browner from oxidation - alteration (pervasive) BRECCIA FRAG

BRECCIA: fine - cse many rhyolite frags polylithic in f.g. groups.

V - 1% except in <10mm matrix-rich areas & altid why ppy

HOLE NO.: DP-74-4 | PROJECT: Deer Park | PAGE NO.: 5 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm : 1m

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY: D.B. Crane

SECTION	ALTERATION: Silica	Sericite	Clay	Calcite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
60								← volcaniclastic → frags very rounded ← f.g. porphyry	FINE GRAINED ANGLSITE - f.g. but not aphanitic (5) dike Lt. Med. grey	16%						
					weak to mod	MG				1.5						
63									63.4- Porphyritic Qtz-Diorite (6) Lt. pink tabular phenos in med-grey g'mass speckled w/ fine BI Several stages of alteration up to strong pervasive are evident							
					strong	PY MG		← hairvein stwk & g'mass replacement by MG								
								← unit 4 dike 10cm chill margin								
66					mod to strong			← f.g. aphanitic BI andes. - fine MG (w/ wl hair veining stockworks penetrated g'mass partially ← malachite		2%						
						MG				1						
													(BQ)			
69					mod	PY MG		diss PY } v. narrow fine fresh rock						68-71		
					wk to mod					1.5						
72					moderate	FL		qtz smeary envelope Drusy qtz w/ FL, MG xtals								
						MG CPY		UNIT 4 DIKE: A fine stope frag & finer grain chill margin! confirm this	f.py w/ mgte on frac greater in dike than (6) unit	72%						
75																

HOLE NO.: DP-74-4 | PROJECT: Deer Park | PAGE NO.: 6 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm : 1m

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY: D.B.C.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
75								— contact finely irregular but (6) shows fg or chill margin								
								— FAULT: - shards of f spar in mafic-CL ± silica matrix								
						CL		(6) Dkgy, finer gr @ contact mafic-cpy frac-infill)								
						HE		— (5b) embayed contact white, bleached (4)								
								(4) - less altd @ lower contact (Mafic inclusions) strongly altd near FLT bxx (clay-LI) montmorill.								
								— (9a)								
								— sl embayed contact, flowage not apparent in								
								DIKE								
								RSE PORPHYRITIC ANDESITE (5b) past (4) VCSE phenos p.f.g. alt iron matrix (mean aphanitic)								
73								— FLOW top — wavy fissures, etc								
						HE		} EPS CL, str. c-mafic on some fears								
								HIGHLY ALTD F-MG (4) DIKE Epidote - chlorite - clay strongest								
								← Abundant altn change ← bleached white @ contact ← fault breccia recemented w/ CL-mafic								
								Alaskite								
						HE										
81								— fg chill margin								
								Porphyritic Syenite Dike								
								VCSE PINK FP; Mod corroded & irreg single & glomero porphyritic phenos up to 1cm diam in deep pinkish brown nearly aphanitic matrix (65%) (15) Dike								
						FL		← (20b)								
								— 1.5 cm green								
								Pink Qtz-Monzonite								
								> specks MoS2 w/ HE in CB-FL-HE veins								
								(9a) :- Crowded m-cse smeary ill-defined pink feldspars with interstitial qtz ≥15% and slightly less BI. The more visible wormy qtz separates (9a) from similar (9)								
84																
								← Galena								
								} str CL on frac.								
						HE										
87																
								← 40 cm long stretch of irregular clear qtz 2-3mm wide Py-MG								
								— 5cm wide silin zone								
								STR qtz - FeCB - calcite alteration								
90																

HOLE NO.: DP-74-4 | PROJECT: Deer Park | PAGE NO.: 7 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm : 1m

INCLINATION: 194 | BEARING: | TOTAL DEPTH: | LOGGED BY: D.B.C

SECTION	ALTERATION: Silica	Sericite	Dec. Recr	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
90								Pink Qtz-Monzonite (9b)								
								Porphyritic Syenite Dike CSE PINK FP:- zoned, subhedral DIKE phenos (green-beige) in f.g. reddish matrix with specks of m.g. BI books (1-2%) Chills to dk brown-grey (20a)								
93								Pink Qtz-Monzonite (9a) Pink w/ diss specularite (HE stain) warmer to clotty g/s ≥ 15%								
								(20a)								
96								M-CSE Pink Qtz-Monzonite (9a)								
99													BQWL	196-99		
102																
105																

Sericite: mod to strong

Chlorite: mod to strong

Fracturing: 30°

Mineral: HE

Geology:

- BRECCIA; polylithic w/ fcoar phenos & matrix, 2cm. wide
- spots MoS2 w/ angle to g.v
- 3cm wide mid green peppery dike
- dike-like segregation of micro graphic Q-F
- BRECCIA: 1cm. wide; dit cement as above
- CPY clots in angle v cuts previous CB veins; specks MoS2 w/ HE in vein
- BRECCIA: as above, 2cm. wide
- V. fine CB vlts cut Q-HE hair vlts.
- 2-3mm
- Pyrite veined fine
- Str. CL-CB veining

Comments: 1% of grains HE in 22%

Sulphides: 3%

HOLE NO.: DP-74-7 | PROJECT: Deer Park | PAGE NO.: 8 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm : 1m

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY: DBC

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
105								Pink Qtz-Monzonite (9a): Weak evidence of dike contact w/ breccia: Indefinite small stained frag, Old breccia clast fspar cut								
108								(11) Breccia: Polylithic highly stained variable:- Dk pink FP ≈ "Altd" 2,2b (574.9 m): Olive green f.g. andesite, 18b, are dom. frags. Unit 36 not seen. Crush frag matrix 108.6 – Clear example of earlier breccia rebrecciated. Basic frag (well rounded) contains frags 1 to 5mm black, pink & porphyry in f.g. dk grey finely fragmental matrix. Andes. tuff-breccia?					BQWL	110-113		
111								(13) below is to a large part matrix to breccia								
114								Dk. grey Andi. Fspar Porph. (13) subang & partially glomero porphyritic (c≥e) in dk grey g'mass w/ m gr BI								
117								AS ABOVE ~~Unit slightly~~ more crowded ≈ 19b BRECCIA:- (13) forms much of matrix -MoS2 tve; fine disseminations @ 116.9								
120																

HOLE NO. DP-74-4 | PROJECT: Deer Park | PAGE NO.: 9 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm : 1m

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY: DBC

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
120								22								
								19b: definitely truncated: breccia frag								
								frag. – (9) family; V. little qtz crowded pink FP								
						py		scattd fine GA								
						Mo		WD								
								AHW								
123								19b + lot GA Sh = ZnS								
								Mo in 19b matrix								
						Mo		V. round (11) frag								
								*124.2: V. round frag (4) Rusty py ≈ 2% 1-2% GA ± Mo (?) → unlikely – bina · shot through the wavy g'mass								
126								qtz floating quartz								
								Breccia frags in matrix of dk BI andesite								
129																
						GA										
								carbon frac								
132						GA		specks diss Galena (Pb+ve) str py								
						GA		Mo + ve diss specks								
						Py		vein & g'mass diss Mo 19b matrix								
135																

(11)

POLYLITHIC BRECCIA: dkte matrix: euhed FP, BI i.e. 19b & gn.

Dark grey Fspar Porphyry (10)

less than down section
2b: to Euhedral – Subhedral m-cse
19b green-pink phenos in 50% matrix
(19b pink w/ 5% fresh BI
appearance upsection)

POLYLITHIC BRECCIA

(10) FP

POLYLITHIC BRECCIA – (11)
Frags ≥ 22 by far most common
i.e. hazy crowded pink FP

(11) DARK FELDSPAR BRECCIA: few lge frags
F.g broken shards subaligned in places in
dk andesitic matrix. Tuff – breccia appearance

(10) Brown stained w/ py
Galena common but <<.1%
vein & dissem. in g'mass

Dk. grey Fspar Porphyry

POOL

134–137

HOLE NO. DP-74-4 | PROJECT: Deer Park | PAGE NO.: 10 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm : 1m

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY: DBC

SECTION	ALTERATION: Silica	Sericite Fspar	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
135																
136																
141																
142																
147																
150																

COMMENTS:

← notable glmass silica; Mo in 19b frags
← stained frags including (9)

← specks Mo disc in glmass
spotty silica nucleating about fspar phenos & fragmentals - xenoliths

← (9)

crosscut tight CC filled frac

Notable increase especially toward 138.5 of lt. grey siliceous caves to fspar phenos

← sl. irreg.

Pre. breccia unit of 19c class Mo interstitial w/ mgte in dense fspar crowded matrix

Patches fairly str disc MoS2 in fspar crowded, siliceous str BI altd (CL) matrix between frags.

wispy str strain

texture well core axis

fragmental vs fragmented :- (1) frags bound (10) type unit in a single clast. Sharply contacts breccia of 19b surrounding by "invading" fspar-rich (10) glmass. "Invading" leg'mass in this breccia carries disc MoS2 w/ mgte

← 36

DESCRIPTIVE GEOLOGY

Dk. grey FP. Porph. | Subround - subang. csez. m.gr. phenos ~ 30% in aphanitic mid-dk grey matrix w/ 2-4% BI (in gr. BI bolts). Often glomeroporphyritic, .5m - 1cm fragmentals - xenoliths (poly lithic) dispersed throughout in places merging into breccia texture. Ulrreg. cloudy silica, spotty diss MoS2. (in glmass between phenos)

(10)

(13)

Dark grey Andesite Fspar Porphyry

Siliceous to aphanitic glmass of 19b missing. V. fine, dense, distinctive BI seen under lens between more porphyritic (~20%) m-csa phenos. Less glmass mgte. V. sharp contact. Andesitic? (- bottleish porphyritic BI is unique from other andesites)

Contact clearly → 19c after 19b

(10) + (11)

(13)

(10) + (11)

note :- fspar crowded matrix = excellent MoS2 host

(11)

BASIC BRECCIA: Fragment (round) of basic andesitic breccia w/ dkr pink clasts Mo 4mm diam. Early stage?

#146.2 - 1x 2.5cm frag v.f.g fspar rich, CHD BI, qtz, very poch - marked (sericite evasion?) str disc MoS2 → 2%

SAMPLE INTERVAL	
134-137	
138.5	
139.5	

RQD/L

HOLE NO. DP-74-4
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: N. E.
INCLINATION:
BEARING:

PROJECT: Deer Park
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH: 153 m

REF. TO CLAIM CORNER:
SCALE: 1cm=1m
LOGGED BY: D.B.C.

SECTION	ALTERATION: Silica	Sericite Dispersion	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
150									Xenolithic (10) & BRECCIA (11)								
						1.6		← "xenolithic" (10) contacts breccia fragments each marked pinte FP frings, & mgl el rich g'mass									
						Py MO	(1)	M-CSE pinte FP w/ CSE BI ≥ 10% & 5% in pinte g'mass						BOXL			
153								apparent o stu disc py									

PAGE NO.: 1 OF 10

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: 0-45° BEARING: Due South

PROJECT: Deer Park

DATE STARTED: July 14, 1974

DATE FINISHED: July 17, 1974

TOTAL DEPTH: 153.0 m

HOLE NO.: DP-74-4

REF. TO CLAIM CORNER:

SCALE: 1cm:1m

LOGGED BY: D.B. Crowe

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
12	15	72797			100	120	20	2	2490

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 2 OF 10

PROJECT: Deer Park

HOLE NO.: DP-74-4

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm : 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 153 m

LOGGED BY: D.B.C.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
					Rock Geochem ~~ASSAY~~ PPM										ASSAY				
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	Cu	Mo	W	Sn	F	FROM	TO	SAMPLE NO.	LBS. REC.	% REC.					

15

20

25

30

PAGE NO.: 3 OF 10

PROJECT: Deer Park

HOLE NO.: DP-74-4

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm : 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 153 m

LOGGED BY: D.B.C.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
30	33	72798			196	14	40	1	1400

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 4 OF 10

PROJECT: Deer Park

HOLE NO.: DP-74-4

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm: 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 153 m

LOGGED BY: D.E.C.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
		SAMPLE NO.	INCHES REC.	% REC.	Park Geochem ~~ASSAY~~ PPM							SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
FROM	TO				Cu	Mo	W	Sn	F	FROM	TO								
415																			
50																			
55																			
60																			

PAGE NO.: 5 OF 10

PROJECT: Deer Park

HOLE NO.: DP-74-4

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm : 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 153 m

LOGGED BY: D. B. C.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
68	71	72799			122	20	70	1	1490

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 6 OF 10

PROJECT: Deer Park

HOLE NO.: DP-74-4

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm:1m

INCLINATION:

BEARING:

TOTAL DEPTH: 153 m

LOGGED BY: D.B.C.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F	FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
75																			
80																			
85																			
90																			

PAGE NO.: 7 OF 10

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 153

HOLE NO.: DP 74-4

REF. TO CLAIM CORNER:

SCALE: 1cm: 1m

LOGGED BY: D.R.C.

CORE										SLUDGE									
DEPTH INTERVAL		SAMPLE NO.	INCHES REC.	% REC.	Rock Geochemistry PPM					DEPTH INTERVAL		SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
FROM	TO				Cu	Mo	W	Sn	F	FROM	TO								
96	99	72800			30	64	17	1	1930										

90

95

100

105

PAGE NO.: 8 OF 10

PROJECT: Deer Park

HOLE NO.: DP-74-4

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm: 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 153 m

LOGGED BY: D. B. C.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
110	113	72851			410	>200	17	2	3800

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 9 OF 10

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 153 m

HOLE NO.: DP-74-4

REF. TO CLAIM CORNER:

SCALE: 1cm:1m

LOGGED BY: DPC

CORE										SLUDGE									
DEPTH INTERVAL		SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM					DEPTH INTERVAL		SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
FROM	TO				Cu	Mo	W	Sn	F	FROM	TO								
134	137	72852			14	200	12	2	1970										

120

125

130

135

PAGE NO.: 10 OF 10

PROJECT: Deer Park

HOLE NO.: DP-74-4

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm : 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 153 m

LOGGED BY: D. R. C.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ASSAY PPM Cu	Mo	W	Sn	F
134	137	72852			14	200	12	2	1970
138.5	139.5	72853			52	70	30	1	340

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

HOLE NO.: DP-74-5
PROJECT: DEER PARK
PAGE NO.: 1 OF 11
COLLAR ELEV.:
GROUND ELEV.:
DATE STARTED: July 18/74
REF. TO CLAIM CORNER:
COORDINATES: N. 67+44 E. 90+18
DATE FINISHED: July 22/74
SCALE: 1cm : 1m
INCLINATION: 0 - 45.5° 500 - 46°
BEARING: 180°
TOTAL DEPTH: 152.4 m
LOGGED BY: GEN June 1979

SECTION	ALTERATION: silica	sericite	clay	chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
0									0 - 5.4 OVERBURDEN							
									qtz rich intrusive ~ 20% qtz 80% whitish Feldspar → clay minor mafics.							
									appears to be a boulder - 22. Fresh. fine mafic intrusive - 10% f. mafics biot. ~ 90% Feldspar including. 30% grey lum. phenos, mottled 30% yellow-brn. phenos, 30% f matric. brn Feldspar < 5% inter qtz.							
5					str			qtz vns & segreg w/ py. mag.	5.4 - 39. Alaskite (4)							
								patchy calc, F. dissem & vnlts.	Up to 40% grey interstitial qtz with a dance whitish Feldspar groundmass. some greyish are could be f-mafic now → clay + Equigranular Texture Feldspar → clay mod.							
					mod	5 to 0.5 m	MS	vuggy ± clay. speck spec hem								
								calc. vnlt w/ Trace Mos2 py.								
								mag calc qtz								
							py	<1mm qtz, calt ± py ± mag ±	some good qtz vning ± F & also calcite ± F, dissem. Spec hem.	1%						
10					mod str		MS2	brnish alkln clay? ± cm qtz, calc py trace Mos2		1%						
							py	dissem py trace cpy								
								<1mm mag → hem vnts.								
								3cm qtz vn.								
								qtz mag trace galena.								
					str		py	dissem spec hem., graph? trace galena								
								calc. qtz vns. 4mm trace Galena								
15																

7367

RQD

12-15

HOLE NO.: DP-74-5 | PROJECT: DEER PARK | PAGE NO.: 2 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm : 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 152.4 | LOGGED BY: GEN

SECTION	ALTERATION: silica	sericite	clay	chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
15					med-str	F py		calc, F same time as ?		<1%						
								0.5cm qtz calc F py⁻ mag⁻ vn.		<1%						
								qtz segreg.								
								py hairline vnlts								
								dissem py, clay altern minor Hem.		<1%						
20						py Mt Pbs F		0.5cm qtz, py, Pbs.								
								qtz, py Mt, galena⁻, F vn.		5%						
					str					1	1-2					
25					mod str			< 1mm qtz vns - dissem py								
								4cm qtz vn. py⁻ trace Pbs.								
								hem hairline vnts.		1-2						
								str py, qtz.								
					str			qtz, dol, F.								
								small slip		80%						
					str			0.4m mt, qtz, py F⁻ vn cpy⁻								
								str Mt vnlts xcut qtz vns								
								qtz mt vn								
30								2cm vuggy qtz vn w/ py⁻ cpy⁻		7%						

Alaskite (cont) (4)

brnish coloration of feldspar. appears to be a clay alteration.

27.5 - 27.9 Andesite dike (5?)

BQWL

HOLE NO.: DP-74-5 | PROJECT: DEER PARK | PAGE NO.: 3 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm : 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 152.4. | LOGGED BY: GEN

SECTION	ALTERATION: Silica	Ksp	clay	chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
30					mod-str	Mt+py		str Mt stockwork; wispy Ksp vnlts, some Ks; 3mm qtz, mt vn.; Mt, qtz, py specks PbS?, MoS?; feldspar → Kspar; qtz, mt offset by Mt, qtz vn		5%						
					str			- introduction of Kspar vnlts + some pervasive feldspar → Kspar. Good Magnetite-qtz stockwork		1-2						
								39.0 Alaskite (4)								
35					intense	Mt++		1-hair line Mt stockwork; 0.5 qtz, Mt vns		4%				34-37		
						py		2mm qtz vn.								
					intense	Mt++		str qtz vning		1%						
40					Intense	Mt py		Kspar patches w/ some feldspar are pinkish; feldspar phenos → clay.		10%						
					mod-str			15 mt-qtz vnlts/10cm; wispy vnlts Kspar; intense Mt, qt vnlts & mt vnlts.		7%						
45				Intense	Intense	Mt+py		39.0 - 56.2 Aphanitic Qtz Monzonite Porph. (2) Greyish aphanitic siliceous grndmass 10-15% block 1-2mm feldspar phenos, str magnetite qtz-stockwork. — sample		15						

HOLE NO.: DP-74-5 | PROJECT: DEER PARK | PAGE NO.: 4 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm:1m

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY: GEN.

SECTION	ALTERATION: silica	sericite	clay	chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% MT	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
45								Aphanitic Qtz-Monz. PORPHY CONT'D		4	<1						
						Mt		1cm mt, qtz vnlt									
					str frag			mt, chl stockwork									
								1cm mt vns	(2)	5%							
								v-str mt & mt-qtz stokw.									
						Mt-tr		Mt-qtz		70%							
											<1						
50					str - - - intrm			pinkish feldspar rims.		2-4							
								altern envelopes from mt vn + dissem. & clay.	feldspar phenos have Kspar (pinkish feldspar rims) w/ whitish centers.								
						Py		mt, py clay									
								vuggy qtz & speck F		5-6%	<1%						
								py stockwork only within 2cm altered section.									
					mod.			py qtz, chl mt. on Fr.									
								Mt, py chl. 4/0.5m									
55								chl, spec hem, mt, cpy speck galena w/ chl.		1-2%	<1						
									56.2-57.6 Alaskite (4) Equigranular qtz-feldspar dike? 40% qtz 60% feldspar intergrowth v-minor mafic spec.								
					mod					1-2%	<1						
									57.6-59.4 Fine gr. ANDESITE DIKE (5) f-g andesite chloritized & ep. mafics moderately magnetic.								
					wk wk 1/1m			15° sharp		<1%	—						
								chilled									
								30° sharp	59.4-60.0 - Alaskite Equigranular qtz feld intrus? dike. (4)								
60								45° sharp.									

HOLE NO.: DP-74-5 | PROJECT: DEER PARK | PAGE NO.: 5 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: | N. | E. | DATE FINISHED: | SCALE: 1cm:1m

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY: GEN

SECTION	ALTERATION: silica	K-spar sericite	clay	chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
								AVE CORE REC'Y / HOLE								

60

wk. calc salvage
mafics → ep.
chilled.

60.0 - 61.9 ANDESITE DIKE (5)
as per 57.6 - 59.4.
- mod magnetic.

vug w/ mt, hem. py⁻, MoS_2⁻

61.9 - 63.8 Aphanitic Qtz - Monz. PORPHYRY
(2) - moderate to wk. mt vnlts.
- feldspar phenos have pinkish rims.

chl w/ F⁺

25° sharp. chilled and side
ep, chl
chl

63.8 - 64.9 ANDESITE DIKE (5)
as above -

65

calc, chl, py

64.9 - 65.2 GRAPHIC INTRUSIVE
(4) Alaskite

60° sharp.
chilled.

65.2 - 69.4 Porphyritic Syenite Dike (20a)
(Somewhat similar to 34)
- 30% somewhat zoned feldspar phenos. rounded to blotchy. 5-10% biot phenos. in grey brown f-g grndmass. mod dissem. f-Mt. Moderately fractured - dry.

becomes a darker color near contact

chilled.

70

55° sharp
Kspar soak? pinkish
Mt, MoS_2 Qtz.
Qtz, Mt, cpy⁻
vuggy qtz, py, chl, F

69.4 - 71.5 ALASKITE (4)
Qtz - 40%
70.5 - 70.7 section which is coarser grained w/ feldspar phenos - greenish 3mm

fused but distinct.

71.5 - 73.5 Aphanitic Qtz - Monz. Porphyry
(2)
- pin pricks dissem. MoS_2. 72.6; 73.2.

chl, Mt → hem, py
0.6cm qtz, Mt, MoS_2, cpy⁻ Kspar
py Mt. on Fr. + Chl
pin prick dissem. MoS_2.
vnlt MoS_2 cut by py vnlt

73.5 - 76.8 ALASKITE (4)
Qtz, feldspar rich rx graphic texture Qtz - 40% Feld - 60%
Possible - Kspar altern. of Feldspar

Kspar altern Feldspa.
2mm qtz py MoS_2 vn.
1m qtz py vnlt.
0.8cm qtz py Mt vn

75

HOLE NO.: DP-74-5 | PROJECT: DEER PARK | PAGE NO.: 6 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm = 1m

INCLINATION: | BEARING: | TOTAL DEPTH: 152.4 | LOGGED BY: GEN

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS:	DESCRIPTIVE GEOLOGY	Tot % Mt	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
75						Mt		Kspar concentrated near fracture/py. 5-10% dissem py. specks. dissem MoS2 MoS2 Fr. w/py. indistinct - gradational. qtz vn. 4mm MoS2 Kspar sericite	Alaskite	1	1						
									75.2-75.7 Altered Dike (4) wht mod clay altered dike <5% qtz 90% feld. 5-10% dissem py. speck dissem MoS2 - smallvns	1	1						
					Mod	Mt py MoS2		grn. mass silicified also potchy Kspar soaking. chl, MoS2, py v-f. hair line Mt	76.8 - 79.0 Aphan. Qtz-Monz. PORPHYRY 40% 2mm feldspar phenos pinkish rims dissem py, Mt. (2)	1	1						
80						Mt - wk. py		alignmented. matics ll cont. sharp 40° Feldspar Mt, cpy vnlt. 1-3cm dikes pinkish - 5-10% wht irreg phenos. - w/pinkish 1mm feldsp. grndmass dissem py Mt.	79.0 - 83.4 BIOTITE ANDESITE (5a) Fresh. - 5% feld. phenos. in f-g dk. grndmass. - some dissem Mt.	1	1						
85					Mod	Mt py		Sharp 15° chl, py Mt. Mt cht hair line Mt. vnlts	83.4 - 88.2 Aphan. Qtz-Monz PORPH. (2) 30-40% 2mm feldspar phenos pinkish rims. <5% matics siliceous dissem py, Mt aphan. grndmass	1-2	1						
90								sharp 45° flow struct ll cont.	88.2 - 91.3 FINE GRAINED ANDESITE dark v-f-g blotchy andesite, mod. magn. (5)	1/4							

HOLE NO.: DP-74-5 | PROJECT: DEER PARK | PAGE NO.: 7 OF 11

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE: 1cm:1m

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY: G.E.N.

SECTION	ALTERATION: Silica	Fspar	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS	DESCRIPTIVE GEOLOGY	% MT	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
90								v-f mafics → chl	FINE GRAINED ANDESITE CONT'D – microdioritic (5)	Trace	Trace						
					mod	Mt - py		→ 35° Mt, py, chl; calc Trace F; qtz, Mt; spec. hem, Mt	(16) 91.3-96.6 Aphanitic Biotite Fspar Porph. shows a seriate texture although about 20% whitish feldspar phenos c/o cem. euhedrals to anhedral. somewhat glomeroporphyritic (1.5mm. 20-30% phenos range from <1mm to 1cm. anhedral → euhedral. ~ 5-10% mafics 1-2mm plag → chl mafics → chl, py mt. some xenoliths. grey brn aphan. grndmass rare qtz grains	<1	<1				12-95		
95								qtz, Mt dikelets in the And.									
					mod	Mt F		50° sharp; calc. F.	96.6-97.4 Fine Grained Andesite (5) as per 88.2-91.3 chl mafic blotches v-f-mafics; v-f disseminated Mt.	1	Trace			CQ-JL			
					mod	py - Mt F		Trace F. small slips graphite py.	97.4-99.5 Aphanitic Qtz-Monz PORPHYRY 10-15% 1-2mm rounded feldspar phenos. set in a greyish siliceous grndmass. (2)	1	<1						
								f-g no phenos.									
100					mod	py		andesite xenoliths; mafic → py; 1cm feldspar rich vn, dikelet.	99.5-101.0 Pink Qtz-Monzonite (9) 70% pinkish feldspar interstitial to 20% grey-yellow plag 2-3mm. - old 0.75mm phenos. 10-15% interst. qtz ~5% mafic ~ <1mm.	<1	1						
					mod			faint 50°; vuggy chl Mt F. faint.	101.0-102.7 Aphanitic Qtz-Monz. PORPHYRY (2)								
					mod			Kspar soaking; along Fr; qtz-seq.	102.7-108.5 ALASKITE (4) appears to have cut below dike.								
					wk			3 sharp 25°; minor py, Mt. 1.5cm qtz vn. calc py F	103.5-104.5 ANDESITE (5a) dk f-g biot. andesite.	<1	Trace						
105					mod			has cut dike	104.5 - Coarse Gr. Biotite Hornblend Monz. (3)								

HOLE NO.: DP-74-5
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: BEARING:

PROJECT: DEER PARK
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

PAGE NO.: 8 OF 11
REF. TO CLAIM CORNER:
SCALE: 1cm:1m
LOGGED BY: GEN.

SECTION	ALTERATION: silica	ALTERATION: sericite	ALTERATION: clay	ALTERATION: chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
105								Coarse Grained Biotite Hornblend Monzanite								
								(3) - pinkish intrusive · relatively fresh ~5-10% 5mm-1cm subhedral & anhedral greyish to yellow feldspar phenos. 80% pinkish feldspar. 2-mm. x'ls. qtz ~ 5%. appears more qtz rich upper cont. 5% fine mafics. ~ 1mm → chl + Mt.								
								vug w/ qtz, py, MoS2 Mt. F⁻								
								altered section: qtz, clay · py.								
								mafics → chl, mt						106-109		
110										<1%	<1%					
					weak ~ 10/3 meter											
													BROWN			
115								- 2mm qtz vn.								
								small slip								
								→ intrusive becomes noticeably coarser grained although similar composition. - 30% grey phenos. ave size ~ 6mm. grind mass 60% Kspar ~5% qtz 5-10% mafics ~2mm.								
								wk ep chl. Fr								
120								chl, Mt, F								

HOLE NO.: DP-74-5
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: BEARING:

PROJECT: DEER PARK
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

REF. TO CLAIM CORNER:
SCALE: 1cm:1m
LOGGED BY: GEN.

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
120					wk 10/1m	py-		4cm qtz, Mt breccia. 1-2mm shard like frag.		<1%						
125					mod ~15/1m			-2cm vuggy qtz vn minor Mt, py.		<1%						
					wk 10/1m.	py-Mt-chl		xenolith andesite - chl clots, calc, F py, F								
130						F-		chl, calc, qtz, F py								
135								xenolith andesite								

C.gr. bio. Horn. MONZONITE CONT'D

(3)

- py as Fr mineralization
some mafic → py + Mt.
minor mafics → chl
& v-weak feldspar → clay

HOLE NO.: DP-74-5
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: BEARING:

PROJECT: DEER PARK
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

REF. TO CLAIM CORNER:
SCALE: 1 cm : 1 m
LOGGED BY: GEN

SECTION	ALTERATION: Silica	Sericite	Clay	Chlorite	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY		% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT	ESTIMATED
135					wk 5-10/1m			feldspar → chl	C.gr. bio. Horn. MONZONITE CONT'D (3)	<1%	<1%					
								Trace F. disseminated pyrite cpy.								
140				ep	wk 5-6/1mm	Mt		xenolith and.		Tr or Trace			BOWL	140-143		
145					10/1m			0.75 cm qtz, Mt cpy trace		<1	Trace					
150					5-7/1mm	Mt		3mm qtz Mt VN m	mafics → chl Mt. plag - indistinct ≫ clay	1-2						

HOLE NO.: DP-79-5
PROJECT: DEER PARK
PAGE NO.: 11 OF 11
COLLAR ELEV.:
GROUND ELEV.:
DATE STARTED:
REF. TO CLAIM CORNER:
COORDINATES: N. E.
DATE FINISHED:
SCALE: 1cm'1m
INCLINATION:
BEARING:
TOTAL DEPTH:
LOGGED BY: GEN June 1979

SECTION	ALTERATION: Silica	Sericite	clay	Chlor.	FRACTURING	MINERAL	GEOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	Arm %	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTI-MATED
-150					WP 5% / Mod			-2-3 mm qtz vnw/1-2cm bleached envelope. vuggy qtz, w/Mt Mt, py cpy. — c.5cm 1cm qtz Mt vn Mt w/v-f- Mo? C.gr. biot. Horn. MONZONITE CONT'D (3)		1-2	<1			RQD			

PAGE NO.: 1 OF 10

CASING COLLAR ELEV.:

GROUND ELEV.:

COORDINATES: N. 67+44 E. 90+18

INCLINATION: 0°-45.5° 500-46°

BEARING: 180°

PROJECT: Deer Park

DATE STARTED: July 18, 1974

DATE FINISHED: July 22, 1974

TOTAL DEPTH: 152.4 m

HOLE NO.: DP-74-5

REF. TO CLAIM CORNER:

SCALE: 1cm:1m

LOGGED BY: G.E.N.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
12	15	72792			170	82	25	13	1260

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 2 OF 10

PROJECT: Deer Park

HOLE NO.: DP-74-5

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm : 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 152.4 m

LOGGED BY: G.E.N.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F	FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

15

20

25

30

PAGE NO.: 3 OF 10

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 152.4 m

HOLE NO.: DP-74-5

REF. TO CLAIM CORNER:

SCALE: 1cm: 1m

LOGGED BY: G.E.N.

CORE										SLUDGE									
DEPTH INTERVAL		SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM					DEPTH INTERVAL		SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
FROM	TO				Cu	Mo	W	Sn	F	FROM	TO								
30																			
35	34	37	72793			68	14	14	2	350									
40																			
45																			

PAGE NO. 4 OF 10

PROJECT: Deer Park

HOLE NO.: DP-74-5

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm: 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 152.4 m

LOGGED BY: G.E.N.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F	FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

45

50

55

60

PAGE NO.: 5 OF 10

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 152.4 m

HOLE NO.: DP-74-5

REF. TO CLAIM CORNER:

SCALE: 1cm: 1m

LOGGED BY: G.E.N.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
		SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~Assay~~ PPM							SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
FROM	TO				Cu	Mo	W	Sn	F	FROM	TO								
60																			
65																			
70																			
75																			

PAGE NO.: 6 OF 10

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 152.4 m

HOLE NO.: DP-74-5

REF. TO CLAIM CORNER:

SCALE: 1cm: 1m

LOGGED BY: G.E.N.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
		SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM							SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
FROM	TO				Cu	Mo	W	Sn	F	FROM	TO								
75																			
80																			
85																			
90																			

PAGE NO.: 7 OF 10

PROJECT: Deer Park

HOLE NO.: DP-74-5

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm: 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 152.4 m

LOGGED BY: G.E.U.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
92	95	72794			46	22	25	2	1410

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 8 OF 10

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 152.4 m

HOLE NO.: DP-74-5

REF. TO CLAIM CORNER:

SCALE: 1cm: 1m

LOGGED BY: G.E.N.

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM Cu	Mo	W	Sn	F
106	109	72795			174	106	30	1	1280

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				

PAGE NO.: 9 OF 10

PROJECT: Deer Park

HOLE NO.: DP-74-5

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE: 1cm: 1m

INCLINATION:

BEARING:

TOTAL DEPTH: 152.4 m

LOGGED BY: G.E.N.

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM					FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
					Cu	Mo	W	Sn	F										

120

125

130

135

PAGE NO.: 10 OF 10

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: Deer Park

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH: 152.4 m

HOLE NO.: DP-74-5

REF. TO CLAIM CORNER:

SCALE: 1cm: 1m

LOGGED BY: G.E.N.

CORE											SLUDGE								
DEPTH INTERVAL		SAMPLE NO.	INCHES REC.	% REC.	Rock Geochem ~~ASSAY~~ PPM					DEPTH INTERVAL		SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
FROM	TO				Cu	Mo	W	Sn	F	FROM	TO								
135																			
140																			
140	143	72796			30	13	17	1	1640										
145																			
150																			

24

PETROGRAPHIC REPORTS ON THE

DEER LAKE PROSPECT

By

P.E. Fox PhD. P.Eng.

Fox Geological Consultants Ltd
Vancouver, BC

For

UTAH MINES LTD
Vancouver, BC

August 15, 1979

FOX GEOLOGICAL CONSULTANTS LTD

PETROGRAPHIC REPORT

Spec. No. E6 254 ft.
Date 8-7-1979

CLASSIFICATION

Granite porphyry

MEGASCOPIC DESCRIPTION

Pink feldspar up to 20mm set in a very fine grained matrix.

MICROSCOPIC DESCRIPTION

Texture

Porphyritic texture: blocky, microperthite and quartz phenocrysts set in a very fine grained matrix of anhedral alkali-feldspar grains, quartz, plagioclase, biotite, accessory zircon, apatite, opaques grains and sphene. Pseudomorphs of chlorite, calcite and epidote.

Minerals & Habits

Microperthite phenocrysts (30%): tabular crystals up to 2cm.
Quartz (20%): anhedral fine grained crystals in matrix, medium grained, subhedral phenocrysts.
Biotite (15%): fine grained subhedral grains.
Orthoclase (35%): very fine grained anhedral crystals in matrix.
Chlorite (5%): fine grained aggregates.
Calcite (5%): anhedral granules
Accessory zircon, apatite, sphene and opaques.

COMMENTS

Biotite partly altered to chlorite.
Secondary calcite, epidote, chlorite, replace primary biotite (?). Weak argillic and calcite alternation of alkali feldspars.

FOX GEOLOGICAL CONSULTANTS LTD

PETROGRAPHIC REPORT

Spec. No. F6-181 ft

Date 8-7-1979

CLASSIFICATION

Alkali-feldspar porphyry

MEGASCOPIC DESCRIPTION

Porphyritic granite: K-feldspar and biotite phenocrysts set in a very fine grained matrix.

MICROSCOPIC DESCRIPTION

Texture

Blocky, microperthite phenocrysts, 1-10mm thick, set in a very fine grained matrix of alkali-feldspar, quartz, granular opaques, biotite, secondary calcite and accessory apatite and zircon.

Minerals & Habits

Microperthite phenocrysts (30%): medium to coarse grained blocky crystals.
Alkali-feldspar (30%): irregular aggregates in matrix.
Quartz (20%): fine grained, subhedral, microphenocrysts and interstitial aggregates in matrix.
Biotite (5%): fine grained flakes and very fine grained granules in matrix.
Calcite (5%): fine grained granules.
Accessory opaques, apatite and zircon.

COMMENTS

Microperthite phenocrysts weakly altered to sericite.

FOX GEOLOGICAL CONSULTANTS LTD

PETROGRAPHIC REPORT

Spec. No. 71-7 54.1 m

Date 8-7-1979

CLASSIFICATION

Granite porphyry

MEGASCOPIC DESCRIPTION

Pink feldspar porphyry consisting of K-feldspar phenocrysts 1-5mm set in a compact fine grained matrix. Disseminated, fine grained grains of pyrite and magmetite common.

MICROSCOPIC DESCRIPTION

Texture

Porphyritic texture consisting of medium to coarse grained phenocrysts of microperthite and microcline set in a veryfine to fine grained matrix of alkali-feldspar, quartz, biotite and accessory opaques, apatite, zircon. Secondary, chlorite, calcite, fluorite and pyrite common throughout.

Minerals & Habits

Microperthite phenocrysts (30%): blocky, subhedral to anhedral crystals, 1-5mm.
Alkali-feldspar microlites (35%): elongate to equant fine grained crystals.
Quartz (15%): fine to very fine grained anhedral crystals, micrographic intergrowths with K-feldspar.
Albite (10%): fine grained tabular, zoned crystals.
Biotite (5%): fine grained anhedral flakes.
Chlorite (5%): microcrystalline aggregates and fracture fillings.
Accessory pyrite, magnetite, fluorite, apatite, and zircon.

COMMENTS

Weak argillic alteration.

FOX GEOLOGICAL CONSULTANTS LTD

PETROGRAPHIC REPORT

Spec. No. 71-7 63.7 m
Date 8-7-1979

CLASSIFICATION

Felsite (microsyenite)

MEGASCOPIC DESCRIPTION

Beige, speckled black, very fine grained, compact felsic rock with quartz aggregates 1-3mm. Thin, feldspar-rich fractures containing pyrite. Disseminated pyrite and magnetite common.

MICROSCOPIC DESCRIPTION

Texture

Sericite texture consisting of very fine grained, allotriomorphic-granular mosaic of equant sericite orthoclase, albite, and minor quartz. Irregular grains of quartz and microperthite common. Abundant sphene (3%), apatite, opaques. Secondary calcite, chlorite and pyrite.

Minerals & Habits

Orthoclase (70%): very fine grained granules.
Albite (10%): very fine grained, zoned, anhedral crystals intergrown with orthoclase.
Quartz (15%): fine grained, anhedral crystals and poikilitic crystal aggregates
Sphene (30%): very fine grained granular crystals.
Accessory (2%): pyrite, biotite, apatite and zircon.

COMMENTS

Feldspar altered to clay minerals, sericite and calcite.
Calcite also occurs in microfractures.

FOX GEOLOGICAL CONSULTANTS LTD

PETROGRAPHIC REPORT

Spec. No. 71-7...83.4m.....
Date ..8-7-1979.....

CLASSIFICATION

Granite porphyry

MEGASCOPIC DESCRIPTION

Pink to buff feldspar porphyry, consisting of K-feldspar phenocrysts up to 10mm , set in a fine grained matrix. Pyrite fracture fillings common.

MICROSCOPIC DESCRIPTION

Texture

Subporphyritic texture consisting of blocky, microperthite crystals, anhedral plagioclase, interstitial quartz and anhedral pseudomorphs of chlorite. Accessory zircon, apatite and sphene. Pyrite,chlorite, sphalerite, biotite, and calcite fracture fillings about 1mm thick. Local aggregates of epidote.

Minerals & Habits

Microperthite (60%): medium to coarse grained, blocky crystals.
Plagioclase (15%): albite (An_7), fine grained tabular crystals.
Chlorite (5%): irregular, ragged, pseudomorphs of biotite, fracture fillings.
Quartz (20%): fine grained anhedral grains.
Accessory apatite, opaques, zircon and sphene.

COMMENTS

Biotite replaced by chlorite, calcite, opaques, and epidote.
K-feldspar weakly altered to clay minerals.

FOX GEOLOGICAL CONSULTANTS LTD

PETROGRAPHIC REPORT

Spec. No. 71-2 54.6 m
Date 8-7-1979

CLASSIFICATION

Feldspar-porphyry

MEGASCOPIC DESCRIPTION

Feldspar porphyry consisting of K-feldspar and plagioclase phenocrysts 1-5mm, set in a very fine grained, feldspar-rich matrix.

MICROSCOPIC DESCRIPTION

Texture

Porphyritic: subhedral, poikilitc, microperthite and plagioclase phenocrysts set in a fine grained matrix of alkali-feldspar, plagioclase, quartz granules, opaques, and secondary chlorite pseudomorphs after biotite. Accessory apatite, zircon, and sphene.

Minerals & Habits

Microperthite phenocrysts (25%): 1-5mm, subhedral blocky crystals.
Albite phenocrysts (10%): An_6, blocky, in K-feldspar, and isolated crystals.
Alkali-feldspar microlites (30%): anhedral grains.
Quartz (20%): very fine grained, anhedral.
Chlorite and Epidote (5%): replacement of primary biotite.
Calcite (5%): thin fracture fillings and anhedral granules in matrix.

COMMENTS

Feldspar partly altered to calcite and clay minerals.
Biotite altered to chlorite and epidote.

FOX GEOLOGICAL CONSULTANTS LTD

PETROGRAPHIC REPORT

Spec. No. 74-1 8.8m

Date 8-6-1979

CLASSIFICATION

Quartz Syenite porphyry

MEGASCOPIC DESCRIPTION

Speckled, pink, grey and black k-feldspar porphyry. Feldspar phenocrysts set in a fine grained feldspar-rich, micaceous matrix. Rare quartz phenocrysts. Disseminated pyrite.

MICROSCOPIC DESCRIPTION

Texture

Porphyritic texture: microperthite phenocrysts (15%) set in a fine grained allotriomorphic-granular matrix of microperthite, biotite laths, secondary calcite and interstitial quartz, chlorite and accessory pyrite,apatite and zircon.

Minerals & Habits

Microperthite phenocrysts (15%): elongate to blocky crystals, altered to calcite and sericite.

Microperthite microlites (50%): ragged, anhedral crystals intergrown with albite.

Plagioclase (20%): An_{10}, fine grained, subhedral blocky crystals.

Biotite (5%): elongate flakes up to 1mm.

Quartz (5%): fine grained interstitial crystals

Calcite (5%): irregular, fine grained aggregates replacing feldspar.

Accessory pyrite, apatite, and zircon.

COMMENTS

Secondary chlorite after biotite, Weak phyllic alteration.

FOX GEOLOGICAL CONSULTANTS LTD

PETROGRAPHIC REPORT

Spec. No. 74-1 20.5 m
Date 8-6-1979

CLASSIFICATION

Syenite porphyry

MEGASCOPIC DESCRIPTION

Feldspar porphyry consisting of equant alkali-feldspar phenocrysts up to 5 mm, set in a fine grained matrix. Acicular mafic crystals (1mm) common in matrix.

MICROSCOPIC DESCRIPTION

Texture

Porphyritic: blocky, subhedral, microperthite phenocrysts set in a matrix of fine grained elongate biotite crystals, alkali-feldspar, and interstitial quartz, chlorite, calcite and accessory opaques, apatite, sphene and zircon.

Minerals & Habits

Microperthite (15%): subhedral, blocky crystals, 1-5 mm.
Alkali-feldspar (70%): elongate, very fine grained, anhedral crystals.
Biotite (5%): elongate, subhedral, fine grained crystals.
Quartz (5 -10%): fine grained, interstitial crystals.
Accessories (2%): apatite, sphene, zircon, opaque grains.

COMMENTS

Secondary calcite (5%), chlorite, sericite and epidote in the matrix.

FOX GEOLOGICAL CONSULTANTS LTD

PETROGRAPHIC REPORT

Spec. No. ....71-1 30.5mm....
Date .....8-8-1979.....

CLASSIFICATION

Granite porphyry

MEGASCOPIC DESCRIPTION

Beige, leucocratic, medium to fine grained porphyritic rock consisting of K-feldspar phenocrysts set in a fine grained granitic matrix.

MICROSCOPIC DESCRIPTION

Texture

Porphyritic: microperthite phenocrysts set in a fine grained, micrographic matrix composed of elongate alkali-feldspar crystals, interstitial quartz, fine grained blocky plagioclase, biotite and accessory apatite, opaques, zircon, fluorite and secondary calcite, and sericite.

Minerals & Habits

Microperthite phenocrysts (20%): equant, blocky crystals, 1-2mm.
Albite, An_{80} (10%): fine grained equant crystals in the matrix.
Orthoclase microlites (30%): very fine grained, elongate, subhedral crystals.
Quartz (35%): very fine grained, interstitial crystals in matrix.
Biotite (2%): largely altered to aggregates of epidote, sericite opaques, chlorite, less than 1mm.

COMMENTS

Feldspar weakly altered to sericite.

FOX GEOLOGICAL CONSULTANTS LTD

PETROGRAPHIC REPORT

Spec. No. 74-1 35.7m

Date 8-6-1979

CLASSIFICATION

Granite porphyry

MEGASCOPIC DESCRIPTION

Pink, feldspar porphyry consisting of zoned K-feldspar phenocrysts (40%) set in a fine grained hypidiomorphic-granular matrix of quartz, K-feldspar, albite, biotite and disseminated pyrite.

MICROSCOPIC DESCRIPTION

Texture

Porphyritic texture: perthitic microcline phenocrysts set ina a micrographic matrix of quartz, plagioclase (An_{12}), orthoclase, greenish uralite (?) and irregular, ragged biotite grains.

Accessory apatite, zircon, sphene, and pyrite.

Minerals & Habits

Microline perthite (50%): subhedral zoned, blocky phenocrysts and anhedral, tabular crystals in matrix. Albite rims common.

Plagioclase (20%): An_{12}, fine grained, subhedral blocky crystals.

Quartz (25%): subhedral micrographic intergrowths.

Biotite (3%): fine grained, ragged laths.

Uralite ? (2%): green lathlike aggregates replacing hornblende.

Accessory: sphene, pyrite, apatite and zircon.

COMMENTS

Weak argillic alteration.

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PETROGRAPHIC REPORT

Spec. No. .....74-1 125.3 m....
Date .....8-8-1979.....

CLASSIFICATION

Quartz syenite porphyry

MEGASCOPIC DESCRIPTION

Mauve-coloured feldspar porphyry consisting of K-feldspar phenocrysts set in a very fine grained matrix rich in K-feldspar and biotite. Disseminated pyrite and magnetite aggregates, chlorite-filled fractures.

MICROSCOPIC DESCRIPTION

Texture

Porphyritic: microperthite phenocrysts (1-5mm) set in a fine grained matrix of microphenocrysts of amphibole, biotite, albite, microperthite and microlites of alkali-feldspar. Accessory magnetite, pyrite, quartz, sphene, apatite and zircon. Secondary chlorite and epidote.

Minerals & Habits

Microperthite (15%): blocky, 1-5mm, subhedral crystals, "corroded" rims.
Microcline microperthite (60%) occurs as very fine grained, equant crystals in matrix.
Albite (5%): fine grained tabular crystals.
Quartz (10%): fine grained equant grains, microphenocrysts to 1mm.
Hornblende (3%): fine grained, colorless, subhedral to prismatic microphenocrysts.
Biotite (2%): very fine grained anhedral granules.
Others (5%): pyrite, magnetite, sphene, secondary chlorite, epidote.

COMMENTS

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PETROGRAPHIC REPORT

Spec. No. 74-1 134.0 m

Date 8-6-1979

CLASSIFICATION

Quartz syenite porphyry

MEGASCOPIC DESCRIPTION

Feldspar porphyry consisting of blocky, zoned K-feldspar phenocrysts set in a fine grained hypidiomorphic-granular matrix of K-feldspar, quartz and mica.

MICROSCOPIC DESCRIPTION

Texture

Porphyritic: microperthite phenocrysts (35%) up to 10mm set in a fine grained matrix of albite, microperthite, quartz, biotite and accessory opaques, sphene, zircon and apatite.

Minerals & Habits

Microperthite (35%): blocky, subhedral crystals, inclusions of sphene and biotite.

Microcline & albite (45%): fine grained, anhedral equant crystals.

Quartz (15%): fine grained equant crystals.

Biotite (4%): anhedral, fine grained laths.

Accessory: apatite, opaques, zircon, sphene.

COMMENTS

FOX GEOLOGICAL CONSULTANTS LTD

PETROGRAPHIC REPORT

Spec. No. 74-1 147.1m

Date 8-8-1979

CLASSIFICATION

Granite porphyry

MEGASCOPIC DESCRIPTION

Mottled pink feldspar porphyry consisting of feldspar phenocrysts (2-10mm) set in a fine grained feldspar-rich matrix.
Chlorite-filled fractures, and disseminated pyrite aggregates.

MICROSCOPIC DESCRIPTION

Texture

Porphyritic microperthite phenocrysts set in fine grained matrix of plagioclase, orthoclase, quartz and biotite. Accessory sphene, magnetite, apatite, zircon, and secondary chlorite, epidote and calcite.

Minerals & Habits

Microperthite phenocrysts (25%): medium to coarse grained, blocky, poikilitic crystals.
Plagioclase An_{12} (10%): fine grained tabular crystals in matrix.
Microcline (35%): fine grained anhedral equant crystals, intergrown with quartz.
Quartz (25%): fine grained interstitial crystals.
Biotite (5%): fine grained anhedral granules.

COMMENTS

K-feldspar is moderately altered to clay minerals. Biotite partly altered to chlorite.

FOX GEOLOGICAL CONSULTANTS LTD

PETROGRAPHIC REPORT

Spec. No. 74-2 74.0 m

Date 8-6-1979

CLASSIFICATION

Syenite porphyry

MEGASCOPIC DESCRIPTION

Pinkish feldspar porphyry consisting of blocky, K-feldspar phenocrysts (2-10mm), set in a fine grained micaceous matrix. Disseminated pyrite and magnetite throughout.

MICROSCOPIC DESCRIPTION

Texture

Porphyritic: blocky, microcline and micoperthite phenocrysts (35%) set in an allotriomorphic granular matrix of albite, K-feldspar, chlorite, biotite and accessory fluorite, pyrite and apatite.

Minerals & Habits

Microperthite (35%): blocky, subhedral crystals.
Microcline (50%): fine grained, subhedral crystals intergrown with biotite and quartz.
Quartz (10%): fine grained interstitial grains.
Biotite (5%): fine grained, euhedral laths and chloritized aggregates.
Accessory apatite, zircon, pyrite, and fluorite.

COMMENTS

Clusters of secondary opaques, chlorite, epidote and fluorite locally. Argillic alteration of feldspar.

FOX GEOLOGICAL CONSULTANTS LTD

PETROGRAPHIC REPORT

Spec. No. 74-2 138.6

Date 8-8-1979

CLASSIFICATION

Granite Porphyry

MEGASCOPIC DESCRIPTION

Beige to pink, leucocratic porphyry, K-feldspar phenocrysts (1-3mm) set in a very fine grained feldspar-rich matrix. Interstitial chlorite less than 1mm. Numerous chlorite fracture fillings.

MICROSCOPIC DESCRIPTION

Texture

Porphyritic: microperthite and plagioclase phenocrysts set in a very fine grained, allotriomorphic-granular matrix of quartz, alkali-feldspar granules, chlorite, calcite and opaque aggregates. Calcite-chlorite-pyrite fracture fillings.

Minerals & Habits

Microperthite phenocrysts (10%): subhedral blocky crystals.
Plagioclase phenocrysts (5%): subhedral fine grained crystals, An_5-An_{12}.
Quartz (25%): very fine grained interstitial grains, intergrown with subhedral orthoclase.
Orthoclase microlites (55%): very fine grained subhedral equant crystals.
Biotite (5%): fine grained flakes largely altered to secondary chlorite and opaques.
Accessory apatite and zircon.

COMMENTS

Plagioclase is weakly altered to sericite and calcite.
Quartz-pyrite fractures are offset by chlorite-pyrite-calcite fractures.

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PETROGRAPHIC REPORT

Spec. No. 74-3 40m

Date 8-6-1979

CLASSIFICATION

Syenite porphyry

MEGASCOPIC DESCRIPTION

Beige, speckled black porphyry consisting of irregular K-feldspar megacrysts 2-10mm set in a fine grained feldspathic matrix. Small amounts of biotite.

MICROSCOPIC DESCRIPTION

Texture

Porphyritic: microperthite phenocrysts (25%) set in a felted matrix of alkali-feldspar, biotite laths, interstitial quartz, secondary calcite, limonite and epidote, and accessory pyrite, apatite, fluorite and zircon.

Minerals & Habits

Microperthite (25%): subhedral to anhedral blocky crystals 10mm across.
Alkali-feldspar (55%): intergrown subhedral, crystals.
Quartz (10%): interstital grains.
Biotite (5%): fine grained flakes, apatite and zircon inclusions.
Calcite (5%): fine grained poikilitic crystals.

COMMENTS

Secondary calcite in matrix, K-feldspar phenocrysts altered to sericite and calcite. Weak phyllic alteration.

FOX GEOLOGICAL CONSULTANTS LTD

PETROGRAPHIC REPORT

Spec. No. 74-3 160.0 m

Date 8-6-1979

CLASSIFICATION

Syenite porphyry

MEGASCOPIC DESCRIPTION

Blocky, subhedral. K-feldspar phenocrysts set in a K-feldspar-rich, fine grained matrix. Disseminated mafic crystals less than 1mm across.

MICROSCOPIC DESCRIPTION

Texture

Porphyritic: blocky K-feldspar phenocrysts set in a fine grained matrix of anhedral alkali-feldspar, biotite, interstitial quartz and aggregates of biotite and opaque grains.

Minerals & Habits

Accessories: fine grained pyrite cubes and grains, and apatite.

K-feldspar (25%): blocky, subhedral perthitic crystals up to 4mm. and anhedral grains in matrix.

Biotite (5%): ragged anhedral laths.

Quartz (10%): interstitial grains.

COMMENTS

K-feldspar phenocrysts show moderate alteration to clays and sericite. Biotite is partly altered to chlorite. Weak phyllic alteration.

FOX GEOLOGICAL CONSULTANTS LTD

PETROGRAPHIC REPORT

Spec. No. 74.3 175.0

Date 8-1-79

CLASSIFICATION

Syenite porphyry

MEGASCOPIC DESCRIPTION

Pinkish feldspar porphyry consisting of 30% tabular K-feldspar phenocrysts (zoned) set in a fine grained matrix of subhedral biotite (1mm), quartz (10%) and alkali feldspar. Trace amounts of disseminated chalcopyrite and pyrite.

MICROSCOPIC DESCRIPTION

Texture Porphyritic: large, blocky alkali feldspar phenocrysts up to 1cm enclosed by oppressed microlites and tabular grains of K-feldspar, quartz aggregates and subhedral books of biotite up to 1mm. Feldspar phenocrysts are zoned - K-rich rims, intensely altered to "dusting" of clay minerals, and sericite.

Minerals & Habits

Alkali feldspar (78%): blocky microperthite phenocrysts, oppressed microlites in matrix. Phenocrysts zoned.

Biotite (10%): anhedral aggregates in matrix.

Sericite-clay: alteration product of alkali feldspar phenocrysts, very fine grained aggregates.

Opaque grains (2%): fine grained crystals in matrix.

Accessory apatite.

COMMENTS

"Megaporphyry" consisting of large alkali feldspar phenocrysts (micoperthite) enclosed by K-rich matrix. Disseminated sulphides (pyrite, chalcopyrite). Quartz entirely in matrix. Weak phyllic alteration.

FOX GEOLOGICAL CONSULTANTS LTD

PETROGRAPHIC REPORT

Spec. No. 74-4 32.5m

Date 8-6-1979

CLASSIFICATION

Granite porphyry

MEGASCOPIC DESCRIPTION

Pink, speckled-black, crowded, K-feldspar porphyry consisting of 40% blocky phenocrysts set in a fine grained alkali-feldspar rich matrix. Biotite flakes to 1mm.

MICROSCOPIC DESCRIPTION

Texture

Porphyritic: orthoclase phenocrysts (1-5mm) set in a very fine grained allotriomorphic-granular matrix of alkali-feldspar, quartz, ragged biotite flakes, opaques and limonite aggregates. Pyrite-limonite fracture fillings common.

Minerals & Habits

Orthoclase phenocrysts (30%): blocky to irregular, 1 to 5 mm.
Micropegmatite (65%): granular alkali-feldspar and quartz intergrowths.
Biotite (5%): fine grained, green to brown, ragged flakes.
Pyrite occurs as granular aggregates, and fracture-fillings and as very fine grained cubes.
Accessory rutile, apatite and zircon.
Matrix contains about 50% quartz

COMMENTS

FOX GEOLOGICAL CONSULTANTS LTD

PETROGRAPHIC REPORT

Spec. No. 74-4 97.5m

Date 8-7-1979

CLASSIFICATION

Granite

MEGASCOPIC DESCRIPTION

Pink, medium to coarse grained, inequigranular leucocratic granite.

MICROSCOPIC DESCRIPTION

Texture

Massive, hypidiomorphic-granular, medium to coarse grained rock. Consists of blocky microperthite, plagioclase, interstitial quartz, irregular chlorite pseudomorphs, relief biotite, secondary calcite and accessory amounts of sphene, opaque grains and apatite.

Minerals & Habits

Microperthite (65%): poikilitic megacrysts 2-10mm.

Albite (10%): blocky, medium grained crystals.

Quartz (20%): interstitial aggregates.

Biotite/chlorite (5%): fine grained, ragged laths.

Calcite (5%): fine grained aggregates replacing feldspar interstitial aggregates and fracture fillings.

Accessory opaques, apatite and sphene.

COMMENTS

WEak argillic alteration.

FOX GEOLOGICAL CONSULTANTS LTD

PETROGRAPHIC REPORT

Spec. No. 74-2 43m

Date 8-8-1979

CLASSIFICATION

Granite Porphyry

MEGASCOPIC DESCRIPTION

Crowded prophyry, consisting of zoned K-feldspar phenocrysts set in in a fine grained feldspar-chlorite-quartz matrix. Disseminated pyrite and magnetite.

MICROSCOPIC DESCRIPTION

Texture

Porphyritic; phenocrysts of microperthite set in a fine grained hypidiomorphic-granular matric composed of microperthite, plagioclase, biotite, interstitial quartz and accessory fluorite, zircon, sphene, apatite, opaques and secondary chlorite, calcite and sericite.

Minerals & Habits

Microperthite phenocrysts (55%); blocky, subhedral crystals.
Also forms tabular crystals up to 1mm in the matrix.
Plagioclase An_6-An_{12} (10%): tabular, fine grained crystals.
Quartz (20%): fine grained interstitial grains.
Biotite (5%): fine grained, subhedral flakes.
Accessory fluorite, chlorite, opaques and sphene.

COMMENTS

FOX GEOLOGICAL CONSULTANTS LTD

PETROGRAPHIC REPORT

Spec. No. ....74-2..74.0m....
Date .....8-8-1979.....

CLASSIFICATION

Quartz syenite porphyry

MEGASCOPIC DESCRIPTION

Porphyritic rock consisting of K-feldspar and plagioclase phenocrysts set in a fine grained matrix of K-feldspar, biotite, quartz and plagioclase. Disseminated pyrite and magnetite.

MICROSCOPIC DESCRIPTION

Texture

Porphyritic: microperthite and plagioclase phenocrysts set in a fine grained, allotriomorphic-granular matrix of K-feldspar, quartz, biotite, and accessory opaques, apatite, sphene and secondary calcite, chlorite and epidote.

Minerals & Habits

Microperthite phenocrysts (20%): subhedral, blocky crystals, 2-5mm.
Plagioclase (10%): elongate, tabular phenocrysts of albite (An_7).
Alkali feldspar microlites (50%): very fine grained anhedral granules.
Quartz (15%): very fine grained granules in the matrix.
Biotite (5%): fine grained subhedral flakes and disseminated fine grained granules.
Accessory apatite, pyrite, magnetite, fluorite, sphene and zircon.

COMMENTS

Secondary epidote granules in matrix.

FOX GEOLOGICAL CONSULTANTS LTD

PETROGRAPHIC REPORT

Spec. No. 74-2 86.2m

Date 8-8-1979

CLASSIFICATION

Syenite

MEGASCOPIC DESCRIPTION

Mottled pink coarse grained rock consisting of blocky K-feldspar crystals (5-10mm) and interstitial dark green mafics. Disseminated pyrite and magnetite.

MICROSCOPIC DESCRIPTION

Texture

Coarse grained equigranular texture: blocky, subhedral microperthite crystals and interstitial aggregates of biotite, opaques, quartz, apatite, fluorite and chlorite. Pyrite-alkali feldspar fracture fillings.

Minerals & Habits

Microperthite (75%): 2-10mm equant, anhedral crystals

Biotite (20%): very fine to medium grained anhedral flakes forming aggregates between feldspar crystals. Also occurs as fine granules on feldspar cleavage surfaces.

Accessory grains (5%): quartz, pyrite, magnetite, fluorite, zircon, chlorite, apatite and sphene.

COMMENTS

Alkali-feldspar crystals altered to clay minerals, minor secondary sericite and calcite.

FOX GEOLOGICAL CONSULTANTS LTD

PETROGRAPHIC REPORT

Spec. No. 74-5 141.0m

Date 8-6-1979

CLASSIFICATION

Syenite porphyry

MEGASCOPIC DESCRIPTION

Feldspar porphyry consisting of crowded, blocky K-feldspar megacrysts up to 10 mm. Inclusion of feldspar porphyry.

MICROSCOPIC DESCRIPTION

Texture

Porphyritic: microperthite megacrysts (2 - 10 mm) and interstitial quartz, hornblende, and accessory opaques, sphene, biotite and apatite. Inclusion is porphyritic, consists of poikilitic microperthite (2mm), green hornblende, ragged biotite, sphene, apatite, opaques, zircon, and secondary sericite.

Minerals & Habits

Microperthite (80%): blocky, subhedral crystals inclusions of clay minerals, sericite and calcite.

Hornblende (5%): green prismatic, subhedral crystals.

Biotite (5%):fine grained, anhedral grains, altered to chlorite and epidote.

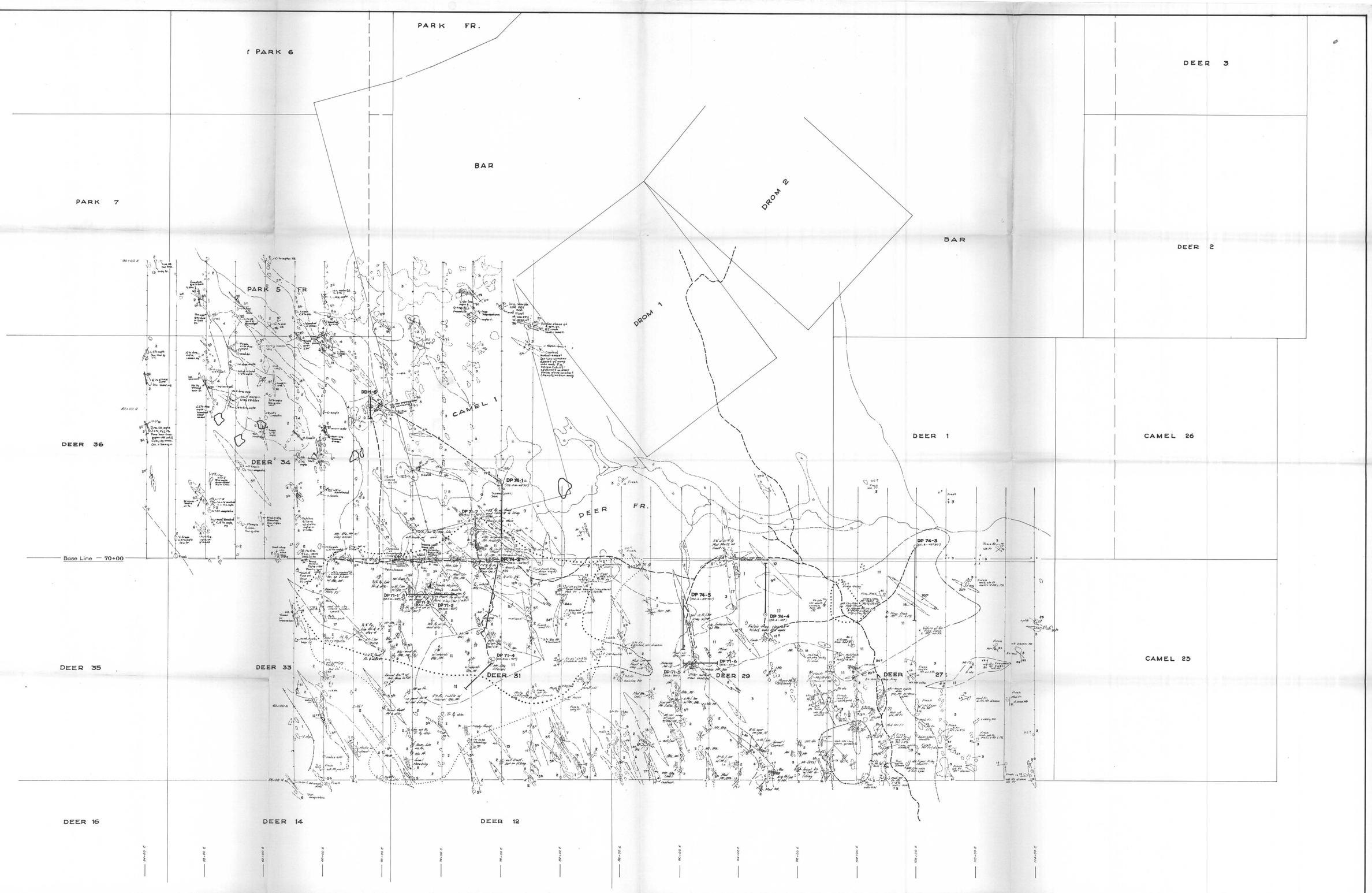
Quartz (5%): fine grained, interstitial grains.

Accessories (5%): sphene, apatite, opaques and zircon.

COMMENTS

Biotite partly altered to chlorite and epidote.

Weak phyllic alteration.



LEGEND:

20	Post Mineral Porphyritic Syenite Dikes
20a	
20b	
20c	
19	Medium Grey Porphyritic Syenite Dike
18	Porphyritic Syenite Dike (Pyritic)
17	Quartz Eye Porphyry
17a	Quartz Felspar Porphyry
16	Aphanitic Biotite Felspar Porphyry
15	Porphyritic Syenite Dike
14	Light Grey Felspar Porphyry
13	Dark Grey Andesite Felspar Porphyry
12*	Pink/Grey Felspar Porphyry; Pink/Grey Felspar Phenos, pink matrix
12a	
12b*	
12c*	
11	Polylithic Breccia
10*	Dark Grey Felspar Porphyry
9	Pink Quartz Monzonite
9a	
8*	Dark Grey Quartz Monzonite Porphyry - white-pink felspar, grey matrix
7	Pink/White Felspar Biotite Porphyry
6	Porphyritic Quartz Diorite

ANDESITE / LAMPROPHYRE / DACITE DIKES:

5	Fine Grained Andesite
5a	Biotite Andesite
5b	Porphyritic Andesite
5c	Porphyritic Felspar Biotite Andesite
5d	Lamprophyre
5e	Dacite
4	Alaskite
3	Coarse Grained Biotite Hornblende Monzonite
3a	Aplite
2	Aphanitic Quartz Monzonite Porphyry
2a	" " " "
2b	Grey Aphanitic Quartz Monzonite Porphyry
2c	Buff Aphanitic Quartz Monzonite Porphyry
2d	Grey Aphanitic Rhyolite Porphyry
1	Leucocratic Monzonite
*	Molybdenum positive dikes

SYMBOLS:

- Shaft
- DP-71-5 Diamond Drill Hole (West Coast Mining and Exploration)
- DP-71-2 Diamond Drill Hole (Amax Exploration Incorporated)
- Road
- Stream
- Swamp
- Cliff
- Claim post, Claim location line
- Claim boundary
- Geological contact (defined, assumed)
- Fault (observed, inferred)
- Jointing (dipping, vertical, horizontal)

Alteration:

- Limit of observed - Quartz, Sericite, Pyrite
- Limit of observed - Clay pyrite
- Limit of observed - Pyrite
- Limit of observed - Clay
- Limit of observed Magnetite in fractures and veins

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — A. J. SCHMIDT

7367

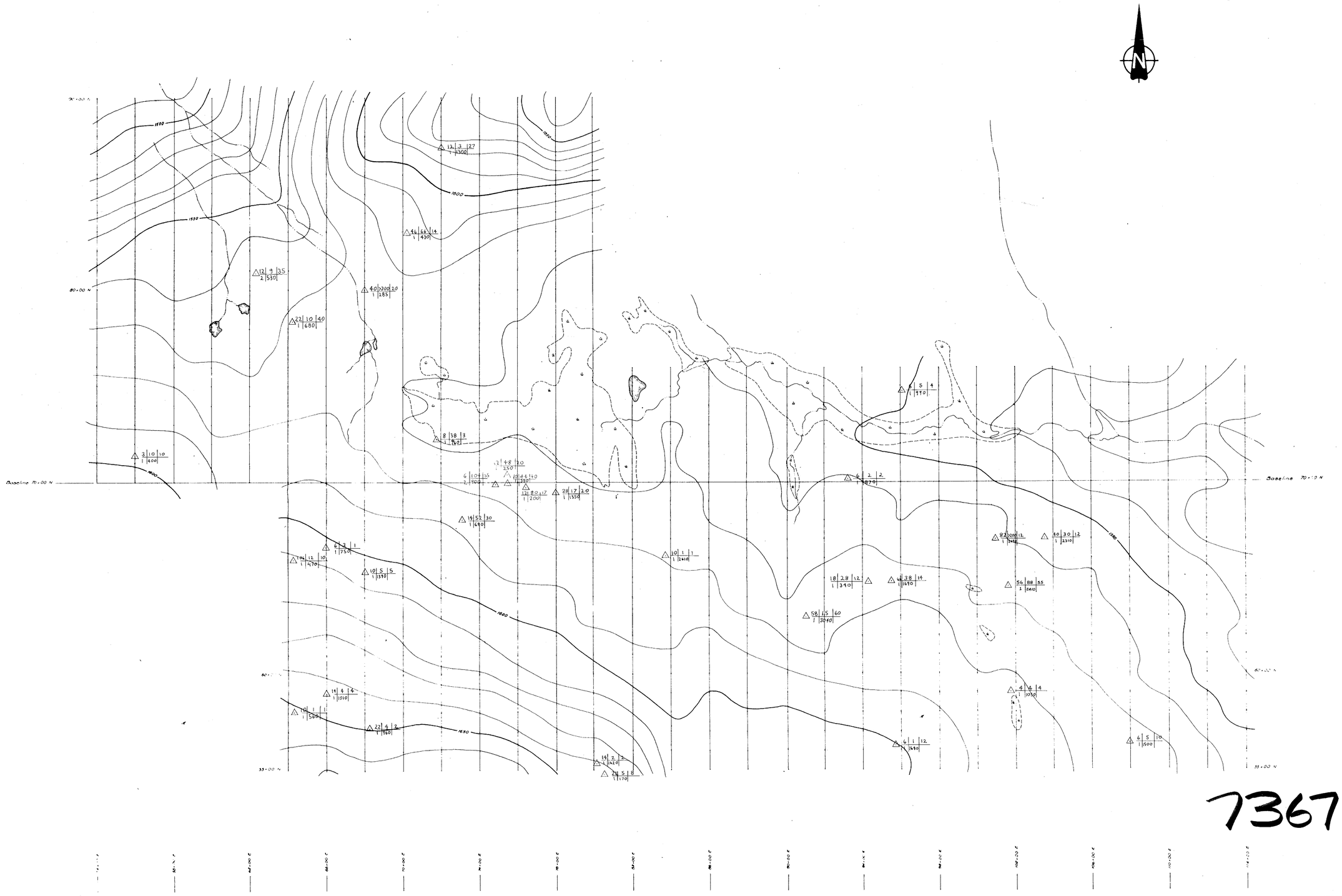
UTAH MINES LTD.
EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

DEER PARK Mo PROSPECT

GEOLOGY

Work by: G.N.B.B.D.C.	Date: July 1972	NTS Ref: 82 E - 6
Drawn by: C.D.I.G.N.	Revised:	

SCALE: 1:2500



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LEGEND:

Contour Interval 10 Meters

Swamp

Creek

Cu | Mo | W
Zn | F

Rock geochem. - sample locations (Values in ppm.)

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. J. SCHMIDT

A. Schmidt
Jan 6/79

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EXPLORATION DEPARTMENT
VANCOUVER BRITISH COLUMBIA

DEER PARK Mo PROSPECT

ROCK GEOCHEMISTRY

Work by: I. Coster	Date: July 1979	NTS Ref: 82 E - 8
Drawn by C.D.	Revised	

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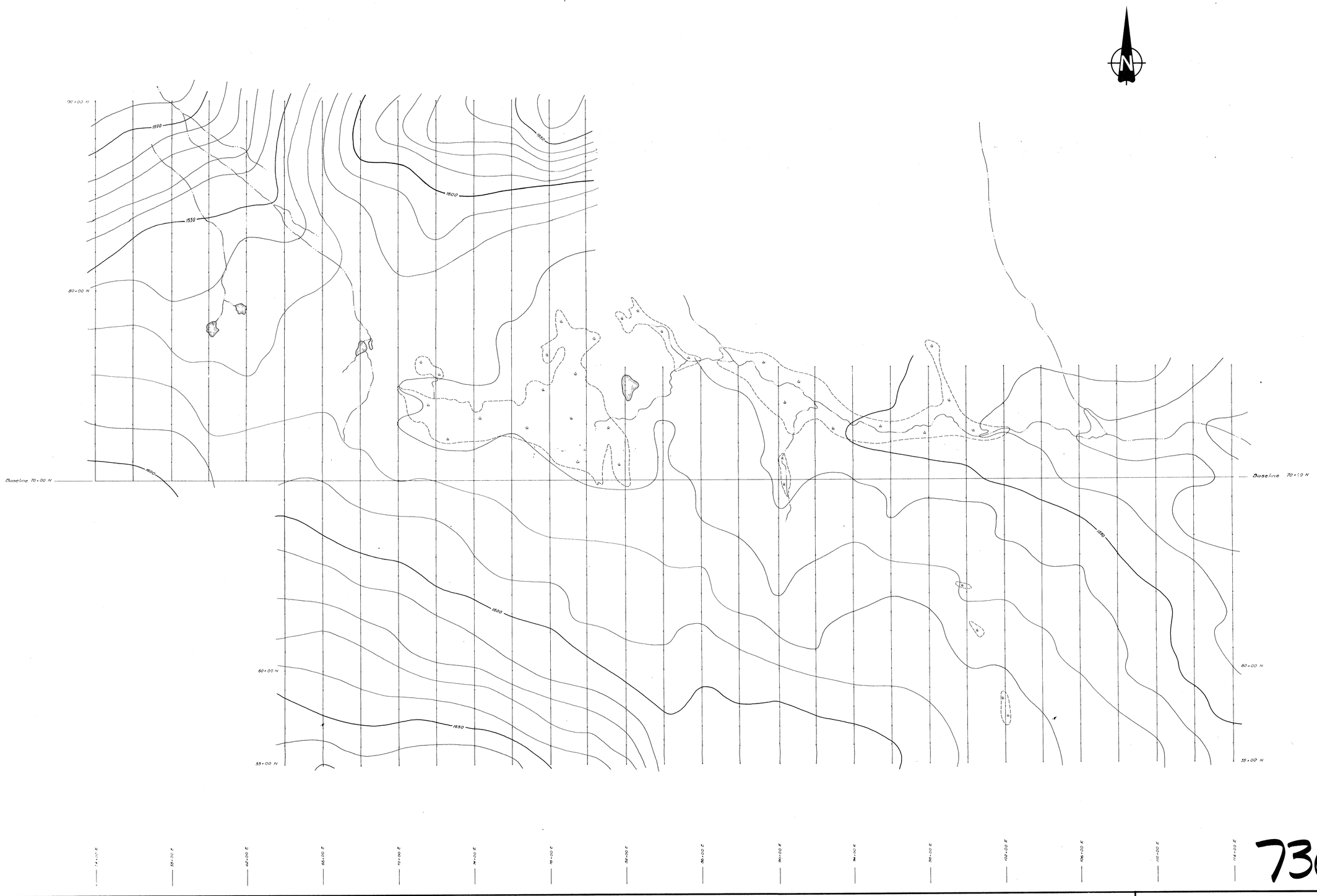

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LEGEND:

Contour Interval 10 Meters

Swamp

Creek

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July 6/79

UTAH MINES LTD.
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VANCOUVER BRITISH COLUMBIA

DEER PARK Mo PROSPECT

TOPOGRAPHY

Work by: I. Coster	Date: July 1979	NTS Ref: 82 E - 8(E½)
Drawn by: C.D.	Revised	

100 50 0 50 100
SCALE: 1:2500