REPORT ON 1982 DIAMOND DRILL PROGRAM

for

DUNRAINE MINES LIMITED

by

Daniel J. Gignac

January 21st, 1983

REPORT ON 1982 DIAMOND DRILL PROGRAM

INTRODUCTION

In the summer of 1982 a detailed geological survey in the area of the Darwin Mine uncovered two previously unknown surface gold zones.

The first of these is a 700 foot long structure situated just over 400 feet north of the Grace shaft. It is believed to be the offset extension of the Grace Vein which was mined at the Darwin Mine in the early days.

The zone strikes approximately N40W, dips steeply to the south-east (70°) and varies in width from 3 to 6 feet. It consists of quartz lenses in sericite schist mineralized with arsenopyrite and pyrite. A small lense of almost massive fine arsenopyrite (Skunky Dog Showing), located 800 feet north of the Grace Shaft, in a 6 foot chip sample, returned a gold assay of over 2 oz/ton.

A second less significant zone named the "Hayne Vein" is a series of quartz stringers striking due north, situated 600 feet NE of the Darwin Vertical Shaft. This structure is exposed for 40 feet next to the Surluga road. A series of chip samples across the breast of the zone returned 0.126 oz gold/ton over a 10 foot width. Gold values again are associated with fine arsenopyrite.

In a report dated September 30th, 1982, R. A. Halett, Ph. D,

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P. Eng., Consulting Geologist outlined a small diamond drill program to test the down-dip extent of gold mineralization of the showings. From these guidelines eight holes were drilled in December 1982. (see Plan)

DIAMOND DRILLING

Five holes were drilled under the Grace Vein extension; they include D82 #2, through #6. Holes number 2 and 3 were drilled from the same set-up, spotted 70 feet due east of a test pit situated at the extreme south end of the zone. D82-#2 drilled at 40 degrees due west intersected vein material mineralized with fine silvery arsenopyrite. A four foot section of core, from 67 to 71 feet returned a gold assay of 0.158 oz/ton. D82-#3 drilled at a 70 degree dip failed to intersect the structure as it was probably displaced by the diabase fault just south of the set-up.

Spotted 70 feet grid north of holes 2 and 3, numbers D82-#4 and #5 were drilled, again from the same set-up. Bearing S70W with a dip of 40 degrees, hole number 4 intersected 5 feet of vein material grading 0.222 oz/ton (gold) from 94 to 99 feet. The second hole D82-#5 drilled at a 55 degree angle did intersect part of the target however at a depth of 109 feet, just as arsenopyrite was coming into it, the structure was truncated and intruded by diabase.

Hole number 6 drilled under the Skunky Dog Showing was spotted 75 feet east of it at an angle of 40 degrees. Drilled to a depth of 129 feet it failed to encounter the target structure as it is believed to have been offset by a fault intruded by diabase encountered between 22 and 42 feet.

The Hayne Vein Showing was tested by one drill hole. It was spotted next to the Surluga road, 65 feet from the zone, bearing

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due east with a 40 degree dip. D82-#8 did not intersect the anticipated structure or any associated mineralization.

Finally, two holes were drilled on the Darwin Shear. These holes were spotted in order to test for a possible Surluga type ore zone inferred from the 1981 drilling of the structure. D82-1 and 7 were intended to pass through the line of intersection of the Main Shear zone and a favorably mineralized serecite shear discovered in D81-#3. Located 175 feet grid south of D81-#3 the holes intersected a wide Shear (120 feet) but gold values within it were only anonalous.

CONCLUSION

The Hayne Vein does not warrant further drill testing. However encouraging results were obtained in the drilling of the southern portion of the Grace Vein extension. The zone north beyond the Skunky Dog Showing has not yet been drilled and surface sampling showed good gold mineralization. The 1982 drilling was very shallow and a program designed to evaluate this zone at depth may be warranted.

The possibility of discovering a gold deposit of substantial tonnage in the Darwin Shear Zone remain favorable. More detailed surface, structural and geophysical interpretations however, are needed to evaluate this.

January 21st, 1983

Daniel J. Gignac, B.E.S.

Durango Mines Ltd. PROPERTY: Darwin Project				HOLE NO: D81-7
LATITUDE: L 4+00 N	BEARING: Grid W	DIP: -45°	STARTED: June 12/81 COMPLETED: June 15/81	Page 1 of 2
DEPARTURE: 0+75 E	V.D.	H.D.	DRILLED BY: Ht. Funk Diamond Drilling	DEPTH:
ELEVATION:	LOCATION: Darwin Shear - intercept down dip of Happer sample ≈ 4051			LOGGED BY: D. Giguac

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA oz/ton
0 - 6	Casing.				
6 - 42.2	Granodiorite - some biotite + Felspar - cut by carb and aplite stgs - some altered sections with py - po min.	37.3 - 39.8	6329	2.5'	.002
		39.8 - 42.2	63.0	2.4'	NIL
	16.5 - 17.2 - Lamp dyke				
42.2 - 82.2	Meta Seds - Fine grained grey - green - some alteration - biotite + chlorite - carb. some Fels. and qtz. - py min - blue eyes!	53.1 - 55.0	6331	1.9	NIL
		55.0 - 57.9	6332	2.9	NIL
	69.5 - 76 - badly Fractured + broken rock. rusty seams - Fault zone?				
	77.0 - 79.5 - Lamp dyke - 10°CA.				
82.2 - 103.8	Felspar tuff - grey to light green some biotite rich phases - plenty carb.	98.7 - 100	6333	1.3	NIL
		102 - 103.8	6334	1.8	.002
	910 - blue to purple sheen on broken seams -				
103.8 - 119.8	Grano - as above -				
119.8 - 126.6	- Meta Sedc - as above -				
126.6 - 132.8	- Grano - as above -				
132.8 - 133.1	- Cemented Fault GOUGE? - inclusions of wall rock				
133.1 - 157.7	- Meta Seds - bio phases - carb stringers				
	144.5 - 151.2 - Aplitic Alteration - bedding? Fault zone?				
	151.2 - 154.0 - Lamp dyke				
157.7 - 163.8	Tuffs - Felspar + biotite rich - mag. mineral	160 - 160.8	6335	0.8	.002
163.8 - 176.8	- Grano - as above	165.8 - 167.3	6336	1.5'	.006

Dunraine Mines Ltd. PROPERTY:

LATITUDE :	BEARING:	DIP:	STARTED:	COMPLETED:	HOLE NO: D81-1 page 2 of 2.
DEPARTURE:	V.D.	H.D.	DRILLED BY:		DEPTH:
ELEVATION:	LOCATION:				LOGGED BY: D Gagnon

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA oz Au
176.8-220	Meta Sedc - some banding - carb veinlets	184.3-188.1	6337	3.8	.002
	mneg. min				
	190.7-192.4 - qtz carb vein - py - cpy	190.7-192.4	6338	1.7	.002
	195.8-197.9 - qtz carb vein - lots po-py	195.8-197.9	6339	2.1	NIL
		208.2-209.4	6340	1.2	NIL
	212.5-213.2 - Lamp dyke.				
220-258.1	Darwin Shear? - qtz - sericite chlorite schist -	230.5-232.7	6341	2.2	NIL
	biotite - carb - disseminated po-py min.	232.6-236.4	6342	2.8	.005
	247.6-251.7 - Lamp dyke	240.8-243.2	6343	2.4	NIL
	257.1-257.4 - Lamp dyke				
258.1-261.9	Felspar tuFF - as before				
261.9-267.3	Diabase dyke -				
267.3-275	- Felspar tuFF - as before				
	End of hole				

Dirtrano Mines Ltd.	PROPERTY: Darwin				HOLE NO: D84-2 page 1 of 2
LATITUDE: L2N	BEARING: Grid W	DIP: -45°	STARTED: June 8/84	COMPLETED: June 10/84	
DEPARTURE: 0+50	V.D.	H.D.	DRILLED BY: H. Funk Dia. Drilling		DEPTH: 354
ELEVATION:	LOCATION: Darwin Shear - to intersect at depth interbedded qtz + sericite found while mapping				LOGGED BY: D. Gignac

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Au/Ton.					
0 - 11	Casing.									
11 - 20.3	Lamp dyke - blue wall rock alteration									
20.3 - 23.4	Granodiorite - qtz, biotite, Felspar - green-grey ground mass - sulfides - py - po.									
23.4 - 36.9	Vein Material - qtz alteration, bx. chloritic and granitic inclusions, some mineral py	23.4 - 24.6	6301	1.2'	NIL					
		31.6 - 32.7	6302	1.1'	NIL					
36.9 - 44.0	Granodiorite - Fairly massive - some py min along biotite seams	40.6 - 41.9	6303	1.3	NIL					
44.6 - 65.4	Meta sediments - Tuff - Fine grained green to grey - plenty biotite - scant pypo min.	60.0 - 61.0	6304	1.0'	NIL					
65.4 - 68.9	- Grano - meta - Alternating bands 1 to 1.5 Ft.									
68.9 - 72.5	Granodiorite Altered - Fairly well mineralized py - po	68.9 - 71.0	6305	2.1'	NIL					
		71.0 - 72.5	6306	1.5	.002					
72.5 - 181.0	Meta sediments - Tuffs - AS above - some Altered sections - scant mineral.									
	146.5 - 147.5 - Lamp dyke.									
	171 - 172 - Vein Material - Altered	171 - 172	6307	1.0	NIL					
	176.7 - 177.7 - Hanging wall of o.6m veinlet.	176.7 - 177.7	6308	1.0	NIL					
	177.7 - 178.2 - qtz stringer several V.G. w/ sulfides 45° CA - py - po - cpy?	177.7 - 178.2	6309	0.5'	approx 1.2	2.				
	178.2 - 179.7 - Foot wall qv.	178.2 - 179.2	6310	1.0'	.005					
181.0 - 211	Darwin Shear - some Altered sections sericite schist? - plenty qtz - good py po cpy mineral - qtz + carb stringers.	181 - 183.5	6311	2.5'	.002					
		188.2 - 190.8	6312	2.4'	NIL					

PROPERTY:				HOLE NO: D81-2 page 2 of 2
LATITUDE :	BEARING:	DIP:	STARTED: COMPLETED:	
DEPARTURE:	V.D.	H.D.	DRILLED BY:	DEPTH:
ELEVATION:	LOCATION:			LOGGED BY:

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA
					sulfide
		190.8 - 192.9	6313	2.1'	NIL
		192.9 - 196.4	6314	3.5'	NIL
		196.4 - 200.6	6315	4.2'	NIL
	205.2 - 205.4 - Lamp dyke 45° CA blue Alt.	200.6 - 201.9	6316	1.3'	NIL
211 - 215.2	Granodiorite - blue qtz eye type - some schistosity	201.9 - 206.4	6317	1.1'	NIL
	+ py min.	206.4 - 210.3	6318	3.8'	.002
		212.6 - 215.2	6319	2.8'	NIL
215 - 330	Meta seds - TuFF as before	216.2 - 219.6	6320	2.9'	.002
	Fair bio - py - po - spy min - scattered	220.2 - 224	6321	3.8'	.002
	248 - 249.1 - Lamp dyke	237.5 - 239	6322	1.5'	.002
	250.1 - 250.4 - Lamp dyke	254.2 - 255.5	6323	1.3'	.005
	286.1 - 286.5 - Lamp dyke	261.3 - 261.9	6324	0.6'	.002
	302 - 302.2 - Lamp dyke	267.1 - 268	6325	0.9'	.006
	310.7 - 312.6 - Lamp dyke				
	312.1 - 312.6 - Lamp dyke				
330 - 334.2	Granodiorite - Blue qtz eyes - some altered sections	333 - 334.2	6326	1.2'	NIL
334.2 - 354	Meta seds - TuFFs - some altered sections.	346.1 - 346.8	6327	0.7'	.005
		351.2 - 352.9	6328	1.7'	NIL

Dunraine Mines Ltd.	PROPERTY: Darwin				HOLE NO. D81-3
LATITUDE: L 8+00 W	BEARING: Grid W	DIP: -45°	STARTED: June 21/81	COMPLETED: June 26/81	page 1 of 1
DEPARTURE: 0+50 E	V.D.	H.D.	DRILLED BY: H Funk Dia. Drilling		DEPTH: 321
ELEVATION:	LOCATION: Darwin Shear				LOGGED BY: D Gigsaw

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA oz/ton	Ag/ton
0 - 26	Casing.					
26 - 29.4	TuFF - Felspar rich - Fine to coarse Fels badly broken					
29.4 - 39.6	Lamp dykes - calcite stringers + blue alteration					
39.6 - 104.3	TuFF - meta sed. - Felspar - qtz - biotite					
	-57.3 - 57.9 - qtz-carb vein - +min.	57.3 - 57.9	6344	0.6	.04	
	- some Fractures with aplite stringers.					
104.3 - 107.7	Lamp dyke? - highly altered - large black blotches - grey ground mass - carb.					
107.7 - 161.6	Meta Sed. - Fine grained green grey - qtz - Fels - bio - carb - several minor lamp dykes					
161.6 - 176.5	Interbedded qtz - sericite + carb - disseminated py - po cpy - probable Sutherland ore shoot	161.6 - 162.7	6345	1.1	NIL	
		162.7 - 167.0	6346	4.3	.02	
		167.0 - 168.2	6347	1.2	NIL	
		168.2 - 171.4	6348	3.2	NIL	
		171.4 - 176.5	6349	5.1	NIL	
176.5 - 263.6	Meta-Sed - as before - minor qtz + chlorite + min veining	217.8 - 219.1	6350	1.3	.005	
	194.5 - 195.5 - milky carb dyke - Aplite WR + within					
263.6 - 296.7	Darwin Shear - highly altered qtz - bio - sericite - carb - diss. min.					
	272.9 - 275 - Vein material - aplitic alteration py po - galena	272.9 - 275	6351	2.1	.002	TRACE
296.7 - 321	TuFF - as above diss. py min - some alteration	290.8 - 292.7	6352	1.9	.002	
	End of Hole.					

DUNRAINE MINES LTD. PROPERTY: DARWIN

LATITUDE: L 12 N	BEARING: Gnd W	DIP: -70°	STARTED: June 29	COMPLETED: July 3	HOLE NO D-81-4
DEPARTURE: 1 + 00 W	V.D.	H.D.	DRILLED BY: H.Funk Dia Drilling		Page 1
ELEVATION:	LOCATION: Darwin shear - to test for gold.				DEPTH: 276
					LOGGED BY:

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	oz/Au ASSAY DATA
0.0 - 6.0	Casing				
6.0 - 76.1	META SEDS-fine grained-grey green-minor q.v.good py. cubes in sections 21.0-22.9 Lamp dyke 37.2-43.2 Lamp Dyke-parallel to core angle				
76.1 -141.2	TUFFS - Felspars - cut by occasional qtz.carb.stringers				
141.2 -160.0	GRANODIORITE0-blue eyes-good py. min. some minor q.v. 149.2-150.9 - Lamp dyke	155.3-156.5	6353	1.2	.03
160.0- 169.5	META SEDS-as before-cut by occasional qtz.carb.stringers 169.5-171.0 - Lamp Dyke	162.0-163.5	6354	1.5	.002
171.0- 220.0	TUFFS-Felsaprs - asbefore 20CA 176.4-177.1 Lamp Dyke 194.6-195.7 Lamp Dyke 200.0-201.8 Lamp Dyke	215.3-216.6	6355	1.3	nil
220.0-258.8	Shear-highly altered-qtz.sericite-carb.aplite py.po.min.	233.5-237.2	6356	1.7	nil
258.8-276.0	META SEDS-as before-some schistosity and minor alteration 247.8-252.0 Lamp Dyke	248.0-248.8	6357	0.8	.005
	END OF HOLE.				

DUNCRAIG MINES PROPERTY: DARWIN

LATITUDE: L12N	BEARING: 6nd W	DIP: -70°	STARTED: June 29	COMPLETED: July 3	HOLE NO. 081-4
DEPARTURE: 1100 W	V.D.	H.D.	DRILLED BY: H. Funk Dia Drilling		DEPTH: 276
ELEVATION:	LOCATION: Darwin shear - to test for gold.				LOGGED BY: D. Gignac

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA oz Au
0 - 6	Casing				
6 - 76.1	Meta Seds - Fine grained - grey green				
	- minor qv - good py cubes in sections				
	21 - 22.9 - Lamp dyke				
	37.2 - 43.2 - Lamp dyke - parallel				
	to CA.				
76.1 - 141.2	Tuffs - Felspars - cut by occasional				
	qtz - carb stringers.				
141.2 - 160	Granodiorite - blue eyes - good py min	155.3 - 156.5	6353	1.2	.03
	some minor qv.				
	149.2 - 150.9 - Lamp dyke				
160 - 169.5	Meta Seds - as before cut by occasional	162.0 - 163.5	6354	1.5	.002
	qtz - carb stringers.				
	169.5 - 171 Lamp dyke.				
171 - 220	Tuffs - Felspars - as before 20CA.				
	176.4 - 177.1 Lamp dyke.	215.3 - 216.6	6355	1.3	NIL
	194.6 - 195.7 - Lamp dyke				
	200 - 201.9 - Lamp dyke				
220 - 258.8	Shear - highly altered - qtz - sericite	235.5 - 237.2	6356	1.7	NIL
	carb - Aplite - py - po min.				
258.8 - 276.0	Meta Seds - as before - some schistosity	248.0 248.8	6357	.8	.005
	and minor alteration				
	247.8 - 252.0 - Lamp dyke				
	End of Hole.				

Sunraine Mines Ltd. PROPERTY: Darwin.					HOLE NO. D81-5
LATITUDE: 15+75N	BEARING: grid W	DIP: -45°	STARTED: July 6/81	COMPLETED: July 9/81	page 1 of 2
DEPARTURE: 2W	V.D.	H.D.	DRILLED BY: H. Funk Dia Drillers.		DEPTH: 314.8
ELEVATION:	LOCATION: Darwin Shear Zone to intersect shear at depth!				LOGGED BY: D. Lisnat

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA oz/Au
0-3	Casing.				
3-16.7	Felspar TuFF - several rusty seams -				
	blue qtz eyes in places - chloritic inclusions				
	10-10.5 - Lamp dyke.				
16.7-16.8	Granodiorite? rusty seams - chlorite - pymin.				
16.8-46.2	Meta seds - some schistosity - green-grey color				
	some Aplitic Alteration - qtz - carb - tourmaline	40.3-42.3	6358	2.0	.002
	- sericite - minor py - cpy.				
	20.3-41.2 - Shear Zone -				
46.2-47.6	- Grano - as above				
47.6-49.7	- Meta - some qtz carb stringers.				
49.7-61	- Grano - as above.				
61-72.8	- Meta - as above.				
72.8-89.7	Shear Zone - highly altered - qtz - carb	74.7-76.0	6359	1.3	.002
	biotite - sericite - some Felspar rich sections	76-76.7	6360	0.7	.002
	77.6-80.5 Lamp dyke	76.7-77.5	6361	0.8	.002
89.7-93.1	- Meta - some schistosity - minor py cubes	81.4-82.0	6362	0.6	NIL
	grades into Felspar TuFF.	83.3-84.2	6363	0.9	NIL
93.1-110.3	Felspar TuFF. - some qtz carb stringers				
	- minor po min	110.1-111	6364	0.9	NIL
110.3-118	Meta - grading into TuFF.				
	112.5-112.9 - qtz carb vein py po W.R inclusions				
118-138.6	TuFF: Fels - bio - qtz	138.2-139	6365	0.8	.002
	127.5-129.3 Lamp dyke.				

PROPERTY:				HOLE NO. D 81-5 page 2 of 2
LATITUDE:	BEARING:	DIP:	STARTED: COMPLETED:	
DEPARTURE:	V.D.	H.D.	DRILLED BY:	DEPTH:
ELEVATION:	LOCATION:			LOGGED BY:

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA oz/Au
138.6 - 179.4	Meta - qtz - carb - py - po - some highly	140.6 - 141.4	6366	0.8	NIL
	silicious + mineralized sections	151.6 - 152.7	6367	1.1	.002
	- several qtz - carb - Aplitic altered sections	156.6 - 157.4	6368	0.8	.002
		157.4 - 159	6369	1.6	.005
		166.8 - 168	6370	1.2	.02
179.4 - 221.6	Meta - Fine grained - green grey qtz carb	180 - 182.1	6371	2.9	.005
	Aplitic Alteration - minor py min	190.2 - 192.3	6372	2.1	NIL
221.6 - 233.2	Shear Zone - highly altered meta - cut by				
	numerous qtz - carb - Aplitic stringers	221.6 - 223	6373	1.4	NIL
	scant to Fair py min in places				
	- several minor lamp dykes.				
	224.1 225.5 Lamp dyke.				
233.2 - 251	Diabase. 45 CA.				
251 - 259.2	Shear As Above	257.5 - 259	6374	1.7	NIL
259.2 - 277.6	Meta - As Above.				
277.6 - 305	TuFFc - bio - qtz - carb - intermediate				
	to chloritic inclusions - some qtz	293.7 - 293	6-6375	1.4	.005
	pebbles (squeezed) - po - py min.				
305 - 308.7	Meta - as before.				
308.7 - 314.8	Felspar TuFF ? - qtz Fels. carb - py min				
	End of Hole.				

DUNRAINE MINES LTD	PROPERTY: DARWIN			HOLE NO: D-81-6
LATITUDE: L 20 N	BEARING: GRID W	DIP: -45°	STARTED: July 15	COMPLETED: July 29	Page 1
DEPARTURE: 1 + 75W	V.D.	H.D.	DRILLED BY: H. Funk Diamond drilling		DEPTH: 324
ELEVATION:	LOCATION: Darwin shear				LOGGED BY:

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA oz/Au
0.0- 10.0	Casing	18.5-20.0	544	1.5	TR
10.0- 67.3	TUFF disseminated pyrite chalco pyrrhotite disseminated throughout	20.0-21.0	545	1.0	TR
	19.0 zone of alteration-carbonate with qtz. calcite veining molydenite present.	28.5-29.5	546	1.0	TR
	29.0-31.2 qtz.calcite vein tourmaline(?)pyrite chalco.	29.5-31.5	547	2.0	TR
	62.0 minor alteration zone containing moly pyrite pyrrhotite	31.5-32.5	548	1.0	TR
67.3- 82.1	Blue eyed granite disseminated pyrite chalcopyrite minor calcite qtz. veining.	33.5-35.0	549	1.5	TR
82.1- 86.9	TUFF partly developed feldspars disseminated pyrite chalcopyrite pyrrhotite.	35.0-36.0	550	1.0	TR
86.9-122.8	BLUE EYED granite disseminated pyrite chalcopyrite pyrrhotite chlorite minor qtz. calcite veining	36.0-37.5	551	1.5	TR
	110.0-115.0 Zone of alteration on ends with 2 lamprophyre dikes between	61.5-63.1	599	1.6	TR
122.8-174.5	TUFF minor granitic sections minr qtz.calcite veining, developed feldspars.	63.1-65.0	600	1.9	TR
174.5-202.0	SHEAR ZONE 80°-90° to CA. shear is alter highly siliceous with minor qtz. calcite veining.	65.0-66.0	701	1.0	TR
202.0-324.0	TUFF minor arsenopyrite some pyrite chalcopyrite	118.0-119.0	552	1.0	TR
	206.0-242.0 minor shear zone is broken upin some places	119.0-120.0	553	1.0	TR
	206.3-208.8 apalitic zone contains some moly one section hematite calcite and minor qtz. disseminated chalcopyrite, pyrite present also.	120.0-121.5	554	1.5	TR
		121.5-123.0	555	1.5	TR
324.0	END OF HOLE	147.5-149.0	556	1.5	TR
		149.0-150.5	557	1.5	TR
		176.0-178.0	558	2.0	TR
		178.0-180.0	559	2.0	TR
		180.0-182.0	560	2.0	TR
		182.0-184.0	561	2.0	.005
		184.0-186.0	562	2.0	TR
		186.0-188.0	563	2.0	TR
		188.0-190.0	564	2.0	.005
		190.0-192.0	565	2.0	TR
		192.0-194.0	566	2.0	TR
		194.0-196.0	567	2.0	TR
		196.0-198.0	568	2.0	TR

PROPERTY

LATITUDE:	BEARING:	DIP:	STARTED:	COMPLETED:	HOLE NO. D-81-6 Page 2
DEPARTURE:	V.D.	H.D.	DRILLED BY:		DEPTH:
ELEVATION:	LOCATION:				LOGGED BY:

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA oz/Au
		198.0 – 200.0	569	2.0	TR
		200.0 – 202.0	570	2.0	TR
		203.0 – 205.0	571	2.0	TR
		206.3 – 208.6	572	2.3	TR
		208.6 – 210.0	573	1.4	TR
		210.0 – 212.3	574	2.3	TR
		213.0 – 215.0	575	2.0	TR
		215.0 – 217.0	576	2.0	TR
		217.0 – 219.0	577	2.0	TR
		219.0 – 221.0	578	2.0	TR
		221.0 – 223.0	579	2.0	.002
		223.0 – 225.0	580	2.0	TR
		225.0 – 227.0	581	2.0	TR
		227.0 – 229.0	582	2.0	TR
		229.0 – 231.0	583	2.0	TR
		231.0 – 233.0	584	2.0	TR
		233.0 – 235.0	585	2.3	.002
		235.0 – 237.3	586	1.8	TR
		238.2 – 240.0	587	2.0	TR
		240.0 – 242.0	588	2.0	TR
		242.0 – 244.0	589	1.5	TR
		247.5 – 249.0	590	1.0	.002
		256.5 – 257.5	591	2.0	TR
		260.0 – 262.0	592	2.0	TR
		265.0 – 267.0	593	2.0	TR
		281.0 – 283.0	594	2.1	TR
		286.1 – 288.2	595	1.5	TR
		296.5 – 298.0	596	1.6	TR
		311.5 – 313.1	597	2.0	TR
		318.0 – 320.0	598		

COMPANY: [illegible] MINES LTD.			PROPERTY: Darwin		HOLE NO. D-81-6
LATITUDE: 1200'	BEARING: GRID N	DIP: -45°	STARTED: July 15	COMPLETED: July 21	PAGE NO. 1 of 3
DEPARTURE: 1475' W			DRILLED BY: H. Ferne Diamond Drilling		DEPTH: 324
ELEVATION:	LOCATION: DARWIN SHEAR				LOGGED BY: R.C.

FOOTAGE		SAMPLE FOOTAGES	SAMPLE NO.	WIDTH FT.	ASSAY DATA Oz Au.
0 - 10	Casing				
10 - 67.3	TUFF disseminated pyrite chalco pyrrhotite disseminated throughout	18.5 - 20	544	1.5	TRACE
		20.0 - 21.0	545	1.0	TRACE
	19.0 - zone of alteration carbonate with qtz calcite	28.5 - 29.5	546	1.0	TRACE
	veining molybdenite present.	29.5 - 31.5	547	2.0	TRACE
	29.0-31.2 qtz calcite vein tourmaline pyrite chalco.	31.5 - 32.5	548	1.0	TRACE
	62.0 minor alteration zone containing moly pyrite	33.5 - 35.0	549	1.5	TRACE
	pyrrhotite	35.0 - 36.0	550	1.0	TRACE
		36.0 - 37.5	551	1.5	TRACE
67.3 - 82.1	Blue eyed granite disseminated pyrite chalcopyrite	61.5 - 63.1	599	1.6	TRACE
	minor calcite qtz veining	63.1 - 65.0	600	1.9	TRACE
	6270 mm	65.0 - 66.0	701	1.0	TRACE
82.1 - 86.9	TUFF poorly developed feldspars disseminated pyrite	118.0 - 119.0	552	1.0	TRACE
	chalcopyrite pyrrhotite	119.0 - 120.0	553	1.0	TRACE
		120.0 - 121.5	554	1.5	TRACE
86.9 - 122.8	Blue eyed granite disseminated pyrite chalcopyrite	121.5 - 123.0	555	1.5	TRACE
	pyrrhotite chlorite minor qtz calcite veining				
	110.0 - 115.0 zone of alteration on ends	147.5 - 149.0	556	1.5	TRACE
	with 2 lamprophyre dikes between.	149.0 - 150.5	557	1.5	TRACE
122.8 - 174.5	TUFF minor granitic sections minor qtz calcite	176.0 178.0	558	2.0	TRACE
	veining, developed feldspars.	178.0 - 180.0	559	2.0	TRACE
		180.0 - 182.0	560	2.0	TRACE
174.5 - 202.0	SHEAR ZONE 80°-90° to CA. shear is alter highly	182.0 - 184.0	561	2.0	.005
	siliceous with minor qtz calcite veining	184.0 - 186.0	562	2.0	TRACE

COMPANY:		PROPERTY:			HOLE NO: D-81-6
LATITUDE:	BEARING:	DIP:	STARTED:	COMPLETED:	PAGE NO. 2 of 3
DEPARTURE:			DRILLED BY:		DEPTH: 324'
ELEVATION:	LOCATION:				LOGGED BY: R.C

FOOTAGE		SAMPLE FOOTAGES	SAMPLE NO.	WIDTH FT.	ASSAY DATA OZ Au				
		186.0 - 188.0	563	2.0	TRACE				
		188.0 - 190.0	564	2.0	<.005				
		190.0 - 192.0	565	2.0	TRACE				
		192.0 - 194.0	566	2.0	TRACE				
		194.0 - 196.0	567	2.0	TRACE				
		196.0 - 198.0	568	2.0	TRACE				
		198.0 - 200.0	569	2.0	TRACE				
		200.0 - 202.0	570	2.0	TRACE				
202.0-324.0	Tuff minor arsenopyrite some pyrite chalcopyrite	203.0 - 205.0	571	2.0	TRACE				
		206.3 - 208.6	572	2.3	TRACE				
	206.0 - 242.0 minor shear zone is broken up	208.6 - 210.0	573	1.4	TRACE				
	in some places	210.0 - 212.3	574	2.3	TRACE				
	206.3 - 208.6 apalitic zone contains some only	213.0 - 215.0	575	2.0	TRACE				
	one section hematite calcite + minor qtz	215.0 - 217.0	576	2.0	TRACE				
	disseminated chalcopyrite, pyrite present also	217.0 - 219.0	577	2.0	TRACE				
		219.0 - 221.0	578	2.0	TRACE				
		221.0 - 223.0	579	2.0	TRACE				
		223.0 - 225.0	580	2.0	<.002				
		225.0 - 227.0	581	2.0	TRACE				
		227.0 - 229.0	582	2.0	TRACE				
		229.0 - 231.0	583	2.0	TRACE				
		231.0 - 233.0	584	2.0	TRACE				
		233.0 - 235.0	585	2.0	TRACE				
		235.0 - 237.3	586	2.3	<.002				
		238.2 - 240.0	587	1.8	TRACE				
		240.0 - 242.0	588	2.0	TRACE				

COMPANY:		PROPERTY:			HOLE NO. D-81-6
LATITUDE:	BEARING:	DIP:	STARTED:	COMPLETED:	PAGE NO. 3 of 3
DEPARTURE:			DRILLED BY:		DEPTH: 324
ELEVATION:	LOCATION:				LOGGED BY: R.G

FOOTAGE		SAMPLE FOOTAGES	SAMPLE NO.	WIDTH FT.	ASSAY DATA				
		242.0 - 244.0	589	2.0	TRACE				
		247.5 - 249.0	590	1.5	TRACE				
		256.5 - 257.5	591	1.0	.002				
		260.0 - 262.0	592	2.0	TRACE				
		265.0 - 267.0	593	2.0	TRACE				
		281.0 - 283.0	594	2.0	TRACE				
		286.1 288.2	595	2.1	TRACE				
		296.5 - 298.0	596	1.5	TRACE				
		311.5 - 313.1	597	1.6	TRACE				
		318.0 - 320	598	2.0	TRACE				
324.0	END OF HOLE D-81-6.								

COMPANY: DUNRAINE MINES LTD			PROPERTY: DARWIN SHEAR		HOLE NO. D-81-7
LATITUDE: L 26N	BEARING:	DIP: -62°	STARTED: July 31 1981	COMPLETED: Aug 6 1981	PAGE NO. 1 of 5
DEPARTURE: 1+60W			DRILLED BY: H Funk DIAMOND DRILLING		DEPTH: 316'
ELEVATION: 50' above Pond level	LOCATION: South of Sutherlands pond				LOGGED BY: DS. + RC.

FOOTAGE		SAMPLE FOOTAGES	SAMPLE NO.	WIDTH FT.	ASSAY DATA				
					OZ Au				
0 - 5.0	Casing								
5.0 - 26.1	Quartz diorite med grained dark blue → 8.0' lighter	10.0 - 11.7	704	1.7	NIL				
	blue thereafter hardness 5.0 irregular qtz stringers	11.7 - 13.2	705	1.7	NIL				
	15.5 → 16.0 8.0% of core								
	17.5 - 17.7 vuggy qtz vein.								
21.1 - 22.9	Qtz vein 40° to C.A. milky white granular texture	21.1 - 22.9	706	1.8	NIL				
	minor ankerite in last 0.5'								
22.9 - 24.5	Qtz diorite stained with weathered ankerite	22.9 - 24.5	707	1.6	NIL				
24.5 - 37.1	Qtz diorite decreasing qtz increasing chlorite final	37.1 - 38.1	708	1.0	NIL				
	0.8' bleached pale green few ankerite + feldspar seams								
37.1 - 38.8	Qtz vein milky white granular 30° to C.A. minor								
	ankerite stain								
37.8 - 56.6	Qtz diorite as before H = 5.0 scattered feldspar	41.5 - 43.0	709	1.5	NIL				
	seams mostly 60° to C.A. few open seams coated	47.5 - 50.0	710	2.5	NIL				
	with rust chloritic section								
	50.5 - 53.5 stressed 45° to C.A.								
56.6 - 66.7	Lamprophyre dike predominantly black ~~increased~~ white calcite								
	stringers fracture filling								
66.7 - 70.9	Lamprophyre increased calcite stringers								
70.9 - 74.3	Diorite irregular mafic + feldspar banding 70° to C.A.	76.6 - 78.1	711	1.5	NIL				
	becoming silicified								
74.3 - 117.6	Qtz diorite highly silicious H - 5.0 - 5.5 colour grey								
	blue weakly fractured with chert + feldspar fracture								
	filling								
	87.0 - 87.5 Qtz feldspar jasper shear 50° to C.A.	87.0 - 87.5.	712	0.5	NIL				

COMPANY: DUNRAINE MINES LTD			PROPERTY: DARWIN SHEAR		HOLE NO. D-81-7
LATITUDE: L26N	BEARING:	DIP: -62°	STARTED:	COMPLETED:	PAGE NO. 2 of 5
DEPARTURE: 1460W			DRILLED BY:		DEPTH: 316'
ELEVATION:	LOCATION:				LOGGED BY: DS + RC.

FOOTAGE		SAMPLE FOOTAGES	SAMPLE NO.	WIDTH FT.	ASSAY DATA				
					OZ AU				
117.6-118.5	Silicified zone minor irregular qtz + jasper seams H: 6.0 minor fine pyrite less than 0.2%	117.6 - 118.5	713	0.9	NIL				
118.5-126.5	Diorite grey blue green irregular qtz calcite seams H: 4.0	124.0 - 126.5	714	2.5	NIL				
126.5-129.0	Qtz carbonate chlorite breccia 60° to CA irregular white sugary qtz 35% chlorite schist balance carbonate no detectable sulphides	126.5 - 129.0	715	2.5	NIL				
129.0-132.4	Qtz chlorite jasper breccia predominantly chlorite schist 2.0% jasper seams	129.0 - 132.4	716	3.4	NIL				
132.4-140.5	Diorite med grain grey blue green short chloritic sections few calcite seams 50° to CA. mostly less than 1cm rare less than 0.1% crystaline pyrite								
140.5-179.1	Qtz Diorite grey blue H: 4.5-5.0 tending to porphoritic texture phenocrysts up to 6.0 mm narrow glassy white qtz seams 1.0 cm wide + less	143.6 - 145.4	717	1.8	NIL				
		148.8 - 150.8	718	2.0	NIL				
	143.6 - 145.4 chloritic weakly ghistose increasing qtz seams								
	148.8 - 150.8 silicified zone qtz jasper chert moderately fractured stress direction 50° to CA.								
179.1-181.0	chloritic schist med-fine grained irregular carbonate blebs becoming silicious last 0.5' schistocity 50° to CA.	179.0 - 181.0	719	2.0	NIL				
		181.0 - 184.0	720	3.0	NIL				
181.0-191.8	Silicified zone silica saturated probably qtz diorite moderately fractured irregular network of fine fracture lines pyrite less than 0.1% fine fracture lines coated with chlorite + sericite	184.0 - 187.0	721	3.0	NIL				
		187.0 - 190.0	722	3.0	NIL				
		190.							
191.8-202.1	Qtz diorite grey blue med grain H: 4.5 few irregular feldspar seams	190.0 - 191.8	723	1.8	NIL				

COMPANY: DUNRAINE MINES LTD			PROPERTY: DARWIN STEAR		HOLE NO: D-81-7
LATITUDE: L 26 N	BEARING:	DIP: -62°	STARTED:	COMPLETED:	PAGE NO. 3 of 5
DEPARTURE: 1+60 W			DRILLED BY:		DEPTH: 316
ELEVATION:	LOCATION:				LOGGED BY: D.S. & RC.

FOOTAGE		SAMPLE FOOTAGES	SAMPLE NO.	WIDTH FT.	ASSAY DATA oz Au				
202.1-205.7	Silicified zone intensily silicified + fractured remnent qtz diorite H= 5.5 fracture lines calcite + sericite minor jasper staining no detectable sulphides	202.1 - 205.7	724	3.6	NIL				
205.7-214.2	Qtz diorite blue grey H=5.0 0.3' silicified zone of qtz jasper breccia at 210.5								
214.2-226.9	SHEAR ZONE intensily sheared and silicified shearing 50° to CA. minor crenulations were qtz stringers up to 3.0cm predominenty buff grey	219.2 - 216.0	725	1.8'	.002				
	214.2 - 216.0 laminated chlorite + qtz stringers glassy white qtz stringers make up to 30% of rock odd spec of chalcopyrite	216.0-219.0	726	3.0'	NIL				
	216.0 - 219.0 intensily sheared buff grey light green odd qtz stringer fine tourmaline X-stals on shear plans most crenulated part of shear	2220 - 225.0	728	3.0'	NIL				
	219.0 - 222.0 as above shearing less intense								
	222.0 - 225.0 as above	225.0 - 226.9	729	1.9'	NIL				
	225.0 - 226.9 shearing as above - siliceous crenulated at last 0.5' tourmaline + little clay	226.9 - 228.5	730	1.6	NIL				
226.9-288.4	Chloritic schist moderately stressed 50° to CA white qtz blebs final 0.2' silicified	236.5 - 237.5	731	1.0	NIL				
288.4-316.0	Volcanic fine grey green weakly stressed decreasing qtz blebs rare cubic pyrite	248.5 - 249.5	732	1.0	NIL				
	249.0 - 249.5 silicified predominenty chert jasper								
	255.0 - 257.5 qtz stringers at 45° to CA. con't								

COMPANY: DUNRAINE MINES LTD			PROPERTY: DARWIN SHEAR		HOLE NO. D-81-7
LATITUDE: L26N	BEARING:	DIP: -62°	STARTED:	COMPLETED:	PAGE NO. 4 of 5
DEPARTURE: 1+60W			DRILLED BY:		DEPTH: 316'
ELEVATION:	LOCATION:				LOGGED BY: D.S. R.C.

FOOTAGE		SAMPLE FOOTAGES	SAMPLE NO.	WIDTH FT.	ASSAY DATA				
					OZ Au				
	Sugary white with no visible mineralization	255.0 - 257.0	733	2.0	NIL				
	260.0 - 262.0 Lamprophyre dyke core blocky &								
	badly decomposed								
	262.0 - 282.0 still in volcanics fine grained								
	green weakly stressed with few qtz stringers								
	& rare cubic pyrite								
	at 276.7 qtz stringer with stress marks that	276.4 - 277.4	734	1.0	NIL				
	form crenulations no visible mineralization								
	decressing qtzs stringers to 286.8								
283.0 - 299.0	SHEAR ZONE Inside or Darwin main shear								
	intensily sheared & silicified at 55° to CA.	283.0 - 285.0	735	2.0	NIL				
	minor crenulations at 287.0 H: 4.5-5.0	285.0 - 287.0	736	2.0	NIL				
	minor lamprophyre 289.5 - 290.0	287.0 - 289.0	737	2.0	NIL				
	290.7 - 291.5 qtz vein milky white ankerite	289.0 - 290.6	738	1.6	NIL				
	no detectable sulphides present	290.6 - 291.9	739	1.3	NIL				
	292.2 - 292.7 lamp dyke	291.9 - 294.0	740	2.1	NIL				
	293.5 - 293.7 intense qtz stringers milky white	294.0 - 296.0	741	2.0	NIL				
	sugary no visible sulphides	296.0 - 298.0	742	2.0	NIL				
	295.5 - 296.7 silicified zone with some qtz	298.0 - 300.0	743	2.0	NIL				
	stringers ankerite and jasper present 0.5% pyrite								
	pyrrhotite disseminated								
	296.7 - 299.0 strong shearing brownish white colour								
	H: 4.5 minor ankerite qtz chlorite mainly sericite								
	some sulphide present 0.2% near the qtz.								

COMPANY: DUNRAINE MINES LTD			PROPERTY: DARWIN SHEAR		HOLE NO. D-81-7
LATITUDE: L26N	BEARING:	DIP: -62°	STARTED:	COMPLETED:	PAGE NO. 5 of 5
DEPARTURE: 1+60W			DRILLED BY:		DEPTH: 316
ELEVATION:	LOCATION:				LOGGED BY: D.S. RC.

FOOTAGE		SAMPLE FOOTAGES	SAMPLE NO.	WIDTH FT.	ASSAY DATA oz Au				
	2990-316 Volcanics fine-med grained green very minor qtz stringers with some ankerite 1.0-2.0mm wide H-1.5-50 no observed min.	302.8-304.3	744	1.5	NIL				
	316.0 END OF HOLE								

DONRAINE MINES LTD	PROPERTY: DARWIN SHEAR				HOLE NO. D-81-8
LATITUDE: L 23N	BEARING: GRID WEST	DIP: - 62°	STARTED: Aug 10/81	COMPLETED: Aug 12/81	PAGE NO. 1 OF 7
DEPARTURE: 2+00 W	V.D.	H.D.	DRILLED BY: H. FUNK DIAMOND DRILLING		DEPTH: 292.2
ELEVATION: 70' above shear	LOCATION:				LOGGED BY: R. C.

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Oz/Au
0 - 5.0	Casing				
5.0 - 94.0	Qtz Diorite medium grain H: 4.5 - 5.0 buff grey colour contains 0.5% disseminated pyrite approx 10% chlorite, biotite				
	5.5 - 5.9 minor shearing qtz sugary white ankerite no detectable mineral	5.5 - 5.9	757	0.4'	.002
	15.0 - 17.0 minor qtz stringers 80° to CA. no min				
	18.0 - 18.4 qtz chlorite breccia chlorite makes up 40% of vein pyrite 0.1% apo 0.2%	17.5 - 18.5	758	1.0	NIL
	24.1 - 24.8 qtz vein rusty looking (ankerite) sugary vuggy minor pyrite + po < 1%	24.0 - 25.0	759	1.0	NIL
	25.6 - 26.0 qtz vein contains 3% chlorite 0.5% pyrite qtz is sugary + milky white	25.5 - 26.0	760	0.5	.002
32.0 - 33.0	Qtz Diorite with an increase in chlorite small irregular stringers				
33.8 - 37.2	Badly broken rock weathered brown blocky				
40.0 - 41.5	Chloritic schist 45° to CA. H: 1.0 core is broken vuggy				
42.0 - 42.5	Qtz vein 5° to CA. vuggy ankerite staining sugary white milky. 2% chlorite present qtz Xstals in vugg no detectable sulphides				
57.2 - 60.0	Blocky Qtz Diorite badly broken up				
63.4 - 65.0	Same as above gossan staining				
	67.0 increase in feldspar + qtz decrease in disseminated sulphides chloritic inclusions present H: 5.5 - 6.0				
	72.5 - 74.2 increase in qtz + felds in diorite now coarser grained no detectable sulphides H: 6.0				

PROPERTY: DUNRAINE MINES LTD				HOLE NO: P-81-8
LATITUDE:	BEARING:	DIP:	STARTED:	COMPLETED: PAGE No. 2 of 7
DEPARTURE:	V.D.	H.D.	DRILLED BY:	DEPTH:
ELEVATION:	LOCATION:			LOGGED BY:

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA oz Au
	75.0 back to qtz diorite med grain buff grey 0.5% pyrite cubic rare more disseminated				
80.0 - 82.0	shear zone bands of qtz sericite ankerite at 55° to CA. 0.1% Blocky core rusty staining	80.0 - 82.0	761	2.0	.005
85.0-85.5	Alteration zone of qtz diorite no detectable mineral	85.0 - 87.0	762	2.0	.002
86.5 - 87.0	Same as above with qtz stringer minor pyrite present in stringer				
94.0 - 101.3	Volcanic Tuff fine grain green H = 4.5 - 5.0 feldspars visible				
	95.6 minor shear qtz ankerite 0.5% pyrite H > 5.0	95.5 - 96.0	763	0.5	NIL
	98.0 - 99.0 zone of alteration cherty, qtz present no detectable mineral	98.0 - 99.0	764	1.0	NIL
101.3 - 102.5	Qtz diorite minor sulphides 0.1% pyrite last 0.5' alteration from lamprophyre				
102.5 - 108.8	Lamprophyre dike first 1.0' + last 1.0' light grey colour H = 5.0 middle darker grey H = 4.5 - 5.0 no detectable mineral.	102.0 - 102.7	765		NIL
108.8 - 112.7	Volcanic Tuff fine med grained greenish feldspars developed minor stringers of qtz with ankerite weathering roughly 50° to CA. H = 4.5 - 5.0				
112.7 - 119.0	Crystal Tuff feldspars large + well developed. make up 45% of rock. could be Grano diorite (biotite or amphibole) + 30% + qtz makes up rest. minor pyrite < 0.1%				
119.0 - 127.6	Tuff (Grano) same as above minor qtz vein 121.0 no visible mineral sugary white brown tinge from ankerite.				

Dankoe mines LTD	PROPERTY:			HOLE NO. D-81-6
LATITUDE :	BEARING:	DIP:	STARTED: COMPLETED:	PAGE No. 3 OF 7
DEPARTURE:	V.D.	H.D.	DRILLED BY:	DEPTH:
ELEVATION:	LOCATION:			LOGGED BY: R.C

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA oz Au
	at 122.0 increase in feldspar 0.1' of Xstal Tuff				
	< 0.5% pyrite				
	at 126.5 increase in chlorite & pyrite last 1.0' before				
	lamprophyre pyrite is massive blebs qtz stringers				
	1.0mm wide at 30° to CA.				
127.6 - 133.2	Lamprophyre dike dark grey to black H = 5.0-5.5				
	pyrite cubes visible last 0.5'				
133.2 - 150.9	Volcanic tuff fine green greenish pyrite cubic				
	disseminated throughout minor qtz stringers 1-2 mm some				
	90° to CA. others parallel	148.0-150.0	766	2.0	NIL
	145.6 qtz vein sugary white				
150.4 - 201.7	Crystal Tuff (Granodiorite) medium size feldspars 30%				
	of rock rest chlorite + qtz + black mineral H = 5.0-5.5				
	pyrite blebs disseminated throughout				
	156.9 - 158.2 lamprophyre dike grey with alteration zones				
	on outer edge				
	164.8 - 166.0 weathered zone brownish colour qtz eyes				
	easily visible				
	170.0 - 172.0 minor alteration veins 40° to CA. ankerite				
	pyrite close by				
	174.0 - 176.0 still Xstal tuff with qtz breccia sugary	174.0 - 176.0	767	2.0	NIL
	white qtz turned green by chlorite present < 0.5% py				
	176.0 - 178.0 same as above along seams some	176.0 - 176.0	768	2.0	NIL
	ankerite increase in pyrite				
	178.0 - 180.0 same as above qtz in more vein				
	type parallel to CA.				

DONRAINE MINES LTD PROPERTY:				HOLE NO. D-81-8
LATITUDE:	BEARING:	DIP:	STARTED: COMPLETED:	PAGE No. 4 of 7
DEPARTURE:	V.D.	H.D.	DRILLED BY:	DEPTH:
ELEVATION:	LOCATION:			LOGGED BY: R.C.

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Oz Au
	still in Xstal tuff (grano) qtz veining minimum with enkerite seams pyrite still disseminated 05% qtz stringers 2mm wide at mostly 30° to CA				
194.5 - 197.0	Lamprophyre dike alteration on ends grey colour black colour between				
201.7 - 203.7	Qtz breccia qtz is pinkish colour pyrite 05% disseminated + also veinlets sericite also present 1.0% 203.7 small lamp dyke 05% 0.5'	201.7 - 203.7	770	2.0	.002
209.2 - 218.0	Qtz diorite qtz plentiful chlorite 1% no detectable min.				
	207.0 - 209.5 Qtz breccia same as above	207.0 - 209.5	771	2.5	NIL
	210.0 - 211.0 same as above	210.0 - 211.0	772	1.0	NIL
	210.5 - 218.0 Qtz diorite medium - coarse grain qtz stringers at all different angles average width 3mm				
218.0 278.0	SHEAR ZONE first 1.0' badly crenulated many qtz calcite stringers 40-45° to CA. chlorite 1%	218.0 - 220.0	773	2.0	NIL
	sericite 1% qtz 60% no detectable sulphides Hz 50	220.0 - 222.0	774	2.0	NIL
	next 10' qtz calcite stringers 2mm average	222.0 - 224.0	775	2.0	NIL
	width 40-45° to CA. throughout core at almost	224.0 - 226.0	776	2.0	NIL
	regular spacings	226.0 - 228.0	777	2.0	NIL
		228.0 - 230.0	778	2.0	.002
	230.1 - 230.9 intense shearing incressing qtz, ser, pyrite	230.0 - 232.0	779	2.0	.005
		232.0 - 234.0	780	2.0	NIL
	238.0 - 240.0 intense shearing more sericite pyrite	234.0 - 236.0	781	2.0	.01
	finely disseminated throughout.	236.0 - 238.0	782	2.0	.002
		238.0 - 240.0	783	2.0	.002

PROPERTY: DONRAINE MINES LTD				HOLE NO: D-66-8
LATITUDE :	BEARING:	DIP:	STARTED:	COMPLETED: PAGE No. 5 of 7
DEPARTURE:	V.D.	H.D.	DRILLED BY:	DEPTH:
ELEVATION:	LOCATION:			LOGGED BY: R.C

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA oz/Ton
	240.0 - 241.0 highly silicious sheared intensily 1.0% pyrite 1% cpy minimal chlorite present pyrite is finely disseminated throughout also rare chalco not as finely disseminated as pyrite also weathered ankerite qtz is buff grey H: 5-6 calcite also present.	240.0 - 242.0	784	2.0	.005
	241.0 - 242.0 increase in pyrite 1.5% still disseminated decrease chalco + qtz H: 4.5 - 5.0				
	242.0 - 244.0 first 0.5' intensely sheared crenulated decrease in pyrite < 0.5% no visible chalco decrease in qtz some qtz in sugary white blebs minor sulphide on edge for last 1.5' no visible sulphide addition of chlorite H: 4.5	242.0 - 244.0	785	2.0	NIL
	244.0 - 246.0 H: 4.5 same as above last 1.5'	244.0 - 246.0	786	2.0	.002
	246.0 248.0 first 1.0' same as above	246.0 - 248.0	787	2.0	.002
	247.0 - 248.0 increase in qtz H: 5.0 crenulated pyrite at 247.3 just in shear plain along fracture rest of rock poorly mineralized				
	248.0 - 249.0 highly silicious + intensily sheared, sericite minor cpy in qtz stringer < 0.5% no visible pyrite H: 5.0 - 5.5.	248.0 - 249.0	788	≥ 1.0	NIL
	249.0 - 250.0 same as above increase in sericite ankerite qtz sugary white at 249.9 minor pyrite + cpy.	249.0 - 250.0	789	1.0	.005
	250.0 - 251.0 minor qtz vein sugary white calcite ankerite blebs of cpy sericite also.	250.0 - 251.0	790	1.0	.03

DOONAINE MINES LTD	PROPERTY:			HOLE NO: D-81-8
LATITUDE :	BEARING:	DIP:	STARTED:	COMPLETED: PAGE No 6 OF 7
DEPARTURE:	V.D.	H.D.	DRILLED BY:	DEPTH:
ELEVATION:	LOCATION:			LOGGED BY: R.C

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA					
					OZ Au					
	251.0 - 252.3 Same as above for first 0.5' then qtz veining occurs pyrite blebs surrounded by black colour minor cpy irregularly interbedded with sericite chlorite ankerite schisty.	2510 - 252.3	791	1.3	.03					
	252.3 - 253.4 Best part of Qtz vein in shear same as above with visible gold	252.3 - 253.4	792	1.1	.71	.74	.70			
	253.4 - 254.4 First 0.5' qtz vein same as above visible gold on edge of sample 253.4. Qtz decreasing at end of sample still interbedded chlorite sericite qtz	253.4 - 254.4	793	1.0	.21	.21	.20			
	254.4 - 257.0 Ankerite in shape of feldspars present at 45° to C.A. along shear plans qtz veinlets with no detectable mineral sheering less intense but some crenulation present H=4.5 chlorite + tourmaline present	254.4 - 257.0	794	2.6	NIL					
	257.0 - 259.0 Same as above as qtz veinlets more chloritic H = 4.0 - 4.5.	257.0 - 259.0	795	2.0	.002					
	259.0 - 261.0 same as above minor calcite stringers	259.0 - 261.6	796	2.0	.002					
	261.0 - 263.0 same as above	261.0 - 263.0	797		NIL					
	263.0 - 265.0 same as above last 0.5' more sheared qtz 0.5% pyrite	263.0 - 265.0	798	2.0	NIL					
	265.0 - 267.0 first 0.5' same as above last 0.5' brecciated calcite ankerite sheering still evident no detectable mineral	265.0 - 267.0	~~FEB~~ 799	2.0	NIL					
	267.0 - 273.7 Lamprophy dike black minor calcite blebs									
	273.7 - 276.9 Bleached core									

PROPERTY: QUINTAIN MINES LTD				HOLE NO. D-81-8
LATITUDE:	BEARING:	DIP: -45	STARTED: COMPLETED:	PAGE No. 1 of 1
DEPARTURE:	V.D.	H.D.	DRILLED BY:	DEPTH: 292.2
ELEVATION:	LOCATION:			LOGGED BY: R.C

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA oz/ton
	276.9 - 278.0 siliceous still in shear at the tail end ankerite lots of qtz large pyrite blebs present.	276.9 - 278.0	800	1.1	NIL
	278.0 - 280.0 end of shear beginning of meta volcanics fine grain green H= 4.5 - 5.0 small calcite + qtz stringers 1mm wide running 90° to C.A. large pyrite cubes + blebs throughout rest some with halls of qtz around them	278.0 - 280.0	9001	2.0	NIL
	280.0 - 282.0 same as above	280.0 - 282.0	9002	2.0	NIL
	282.0 - 284.0 qtz vein at 283.2 with sericite disseminated pyrite qtz sugary white	282.0 - 284.0	9003	2.0	NIL
		284.0 - 286.0	9004	2.0	.002
	284.0 - 286.0 same as above	286.0 - 288.0	9005	2.0	.002
	286.0 - 288.0 " " "				
	288.0 - 292.0 Lamprophyre dike				
	292.2 End of hole D-81-8				

DUNDRAVE MINES LTD — PROPERTY: DARWIN SHEAR — HOLE NO. D-81-4

LATITUDE: L23N	BEARING: GRID WEST	DIP: -61°	STARTED: AUG 14 81	COMPLETED: AUG 16/81	PAGE No. 1 of 4
DEPARTURE: 1+40W	V.D.	H.D.	DRILLED BY: H FONG DIAMOND DRILLING		DEPTH: 344.7
ELEVATION: 60' above road	LOCATION:				LOGGED BY: R.C

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA oz Au
0 - 7.0	Casing				
7.0 - 11.3	Dark Feldspar Tuff Black med grained well formed feldspar with some chloritic inclusions <0.5% pyrite H=4.5				
11.3 - 61.5	Granodiorite med - coarse grained greenish colour with large well developed feldspars crystals Biotite 5% chlorite 5% rest made up of feldspar + qtz no detectable mineral				
	21.0 - 23.5 Lamprophyre dike black minor calcite splotches				
	35.2 Granodorite becoming more silicious with increase in qtz also buff grey colour decrease in chlorite minor calcite stringers with ankerite on outside no detectable mineral degree of feldspar varies				
	41.7 Qtz vein glassy qtz no detectable sulphides chlorite 4% ankerite 0.5% 2cm wide				
	53.4 Qtz vein sugary white 1% chlorite no sulphides 3cm wide				
	58.0 - 60.0 Blocky core weathered seams				
	71.6 weathered shear zone 2cm wide qtz vuggs no minerals				
61.5 - 130.7	Qtz Diorite buff grey colour feldspars not as well developed no biotite present in chlorite medium grain blue qtz eyes present				
	81.0 - 81.6 Qtz vein calcite glassy white qtz with calcite pyrite 1% chlorite 2%	81.0 - 81.6	4006	0.6	.005
82.3 - 86.7	Chlorite schist green fine grain disseminated biotite in schist at 80° to C.A. H=4.5 no detectable sulphides				
	84.5 - 84.6 Qtz vein glassy white barren minor chlorite in vein.	85.0 - 87.0	4007	2.0	.005
	89.8 - 89.9 Qtz vein glassy smells when broken minor pyrite				

DUCKAINE MINES LTD	PROPERTY:			HOLE NO. D-81-9
LATITUDE:	BEARING:	DIP:	STARTED: COMPLETED:	PAGE No. 2 of 4
DEPARTURE:	V.D.	H.D.	DRILLED BY:	DEPTH:
ELEVATION:	LOCATION:			LOGGED BY: RC.

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA oz/Ton
	Cubic 1% minor chlorite				
	90.0 - 92.0 minor shear zone with qtz vein in middle contains pyrite 1% cpy 0.5% on well rock really silicious contains minor blue qtz veining with large pyrite splotches + pyrrhotite both finely disseminated throughout				
	96.0 - 97.0 alteration zone H= 5.0 grey white colour no detectable mineral				
	97.0 - 100.0 Qtz diorite with qtz calcite stringers 2mm wide at 70° to CA.				
	100.0 - 102.5 Alteration zone minor qtz veining contains 1% cpy 1% pyrite in gr (tourmaline?) ankerite	100.0 - 102.5	4008	2.5	.002
	102.5 - 104.1 minor alteration zone no detectable mineral minor qtz calcite stringers 2mm wide at 70°				
	115.4 - 115.9 Sugary qtz vein no detectable mineral	115.4 - 115.9	4009	0.5	NIL
	117.7 - 117.9 Chlorite dike contains 10% biotite 1% pyrite				
	128.3 + 129.0 Chlorite dike fine grain green no biotite				
	129.0 - 130.0 Small qtz vein at 129.6 2cm wide glassy qtz some places sugary chlorite 1% no detectable sulfide	129.0 - 130.0	4010	1.0	.002
130.7 - 255.4	Granodiorite same as above				
	138.0 - 140.0 meta volcanic fine grain green no detectable sulphide contains chloritic matics + also some calcite ankerite stringers more qtz blebs H= 4.0 - 4.5				
	140.0 - 150.4 large feldspar in granno				
	149.0 - 150.7 Zone heavily mineralized minimal qtz pyrite 4% chalco 2% poorly developed feldspars	149.0 - 150.7	4041	1.7	.01

NORRAINE MINES LTD	PROPERTY:			HOLE NO: D-81-9
LATITUDE:	BEARING:	DIP:	STARTED:	COMPLETED:	PAGE No 3 of 4
DEPARTURE:	V.D.	H.D.	DRILLED BY:	DEPTH: RC
ELEVATION:	LOCATION:			LOGGED BY: RC.

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Oz Au					
	fine - med grained H=4.5 last 0.7' fine grained not as well mineralized with calcite splotches									
	150.7 - 151.7 Meta volcanics same as above									
	151.7 - 200.7 Granodiorite same as above									
	200.7 - 206.0 Granodiorite intensily silicified H=5.5-6.0 no detectable mineral									
	206.0 - 210.6 Lamprophyre dike black H=1.5 at start badly broken up mud seam ment loss of sludge no creditable samples after									
	210.6 Back into Granodiorite same as above minor stringers of calcite + enterite no detectable mineral									
	235.6 minor calcite stringer 3mm wide <0.1% pyrite 1% chlorite									
	244.0 - 245.0 Alteration zone calcite crystals qtz + ankerite 0.5% pyrite	244.0 - 245.0	4011	1.0	NIL					
	248.5 - 249.0 zone in which feldspars are pink + well developed eliptical shape slately bands which carry 1% py									
255.4 - 259.2	Meta Volcanics fine grain green minor sugary qtz stringers matrix itself carries 0.5% pyrite									
259.2 - 269.0	Qtz Diorite intensily silicified irregular minor qtz stringers carries minor pyrite disseminated 0.5%	259.2 - 261.2	4012	2.0	NIL					
		261.2 - 263.2	4013	2.0	NIL					
269.0 -	SHEAR ZONE grey - green in colour H=4.5 minor qtz	263.2 - 265.0	4014	1.8	NIL					
	stringers along sheer planes at 50° to CA.	2650 - 267.0	4015	2.0	NIL					
	269.0 - 271.0 minor qtz stringers along sheer planes	267.0 - 269.0	4016	2.0	.002					
	disseminated pyrite 0.5%	269.0 - 271.0	4017	2.0	.002					
	271.0 - 273.0 same as above	271.0 - 273.0	4018	2.0	NIL					
	273.0 - 275.0 same as above last 0.5 alteration buff brown minor ankerite	273.0 - 275.0	4019	2.0	NIL					

DONRAINE MINES LTD	PROPERTY:				HOLE NO. D-81-9
LATITUDE :	BEARING:	DIP:	STARTED:	COMPLETED:	PAGE No. 4 of 4
DEPARTURE:	V.D.	H.D.	DRILLED BY:		DEPTH:
ELEVATION:	LOCATION:				LOGGED BY: RC + DE

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA oz/ton					
	275.0 - 277.0 Same as above some circulation	275.0 - 277.0	4020	2.0	NIL					
	277.0 - 279.5 Same as above minor alteration at 278.0 pyrite increasing closer to lamprophye dike sample ends at lamp dike	277.0 - 279.5	4021	2.5	NIL					
	279.5 - 281.3 Lamprophyre dyke.	281.3 - 283.0	4022	1.7	NIL					
		283.0 - 285.0	4023	2.0	.005					
		285.0 - 287.0	4024	2.0	.005					
		287.0 - 289.0	4025	2.0	.002					
		289.0 - 291.0	4026	2.0	NIL					
		291.0 - 292.0	4027	2.0	.002					
		292.0 - 295.0	4028	2.0	.002					
		295.0 - 297.0	4029	2.0	NIL					
		297.0 - 299.0	4030	2.0	NIL					
		299.0 - 301.0	4031	2.0	NIL					
	301.0 - 303.0 Fractures + minor folding + faulting 45° to CA.	301.0 - 302.5	4032	1.5	NIL					
	302.5 - 304.5 Lamprophye dikes	302.5 - 303.8	4033	1.3	NIL					
	306.4 Fault gouge in chlorite schist	304.5 - 306.4	4034	1.9	NIL					
		306.4 - 307.3	4035	0.9	NIL					
	307.3 - 309.0 chl + sericite schist calcite + qtz stringers py, po, cpy, aspy	307.3 - 309.0	4036	1.7	NIL					
		309.0 - 311.0	4037	2.0	NIL					
311.6	313 Meta 313.4 - 317.6 Lamp dyke	311.0 - 313.4	4038	2.4	NIL					
317.6	Meta Fine grained green calcite stringers some apalitic alteration	317.6 - 318.6	4039	1.0	NIL					
	Siliceous in places with minor sulphide mineral	326.7 - 328.0	4040	1.3	NIL					
344.7	END OF HOLE D-81-9.									

DUNRAINE MINES LTD — PROPERTY: DARWIN SHEAR — HOLE NO. D-81-10

LATITUDE: L 24 N | BEARING: Grid West | DIP: - 60° | STARTED: Aug 19/81 | COMPLETED: Aug 22/81 | PAGE No. 1 of 4

DEPARTURE: 2+00 W | V.D. | H.D. | DRILLED BY: H. Funk Diamond Drilling | DEPTH: 308'

ELEVATION: 70' above Pond level | LOCATION: Sutherland's Pond Area | LOGGED BY: R. C.

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA oz Au
0 - 7.0'	Casing				
7.0 - 35.0	Tuff med - coarse grained H: 4.5-5.0				
	7.0-16.5 large feldspars 30% of rock biotite 20%				
	no detectable mineral				
	16.5 - 21.0 fine grained siliceous rock greyish green	16.5 - 18.5	4042	2.0	NIL
	H: 5.0 no feldspars chlorite 10% biotite 10%				
	disseminated pyrite 2.0% some minor sugar qtz				
	veinings with chlorite, alteration zones at 29.0-31.0				
35.0 - 36.0	Green chloritic zone fine grained biotite in blebs				
36.0 - 76.6	Tuff same as above				
	37.2 - 38.2 alteration zone some calcite veinings	37.2 - 38.2	4043	1.0	.002
	pyrite > 0.5% ankerite or albite				
	44.4 - 45.0 milky white qtz breccia glassy → granular	44.4 - 45.0	4044	0.6	.02
	cpy 0.5% pyrite < 0.5% minor chloritite				
	45.8 - 46.8 minor shear zone qtz ankerite or albite	45.8 - 46.8	4045	1.0	NIL
	sericite				
	73.0 sugary qtz vein chlorite no detectable mineral				
76.6 - 81.1	Ash bed fine grain grey green H: 4.5 small feldspars				
	< 0.5% py.				
	72.9 - 73.4 alteration zone siliceous no detectable min	72.9 - 73.4	4076	0.5'	NIL
81.1 - 86.2	Granodiorite med - coarse grain grey black colour H: 4.5				
	first 1.0' altered orange colour contains 15% biotite				
	50% qtz in stringers + blue eyes albite or ankerite				
	also present 0.5% disseminated pyrite				
	85.0 - 86.0 altered zone qtz albite minor pyrite	85.0 - 86.0	4077	1.0'	.005
86.2 - 104.0	[illegible]				

DUNRAINE MINES LTD | PROPERTY: | HOLE NO: D-81-10

LATITUDE:	BEARING:	DIP:	STARTED:	COMPLETED:
DEPARTURE:	V.D.	H.D.	DRILLED BY:	
ELEVATION:	LOCATION:			

PAGE No. 2 of 4 | DEPTH: 308' | LOGGED BY: R. C.

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA OZ/T
	89.0 - 94.0 alteration zone possible lamprophyre dike	91.0 - 92.0	4046	1.0	.005
104.0 - 116.9	Crystal Tuff large well developed feldspars grey colour H = 5.0 some places have blue eyed qtz calcite stringers with albite or ankerite seams minor pyrite < 0.5%				
116.9 - 133.0	Meta Volcanics same as above				
	131.0 - 133.0 alteration zone with qtz breccia albite ankerite sections minor pyrite 0.5%	131.0 - 133.0	4047	2.0	NIL
133.0 - 136.0	Lamprophyre Dike greyish colour some places // to CA.				
136.0 - 143.0	Tuff Same as above with the addition of cubic pyrite 0.5% last 3.0' fine grained feldspar not as well developed more siliceous no detectable mineral				
143.0 - 162.8	Meta Volcanics same as above.				
162.8 - 206.7	Tuff same as above				
206.7 - 250.0	SHEAR ZONE crenulated first part at 45° to CA. & last at 60° to C.A. minor mineral pyrite				
	200.0 - 202.0 vuggy zone calcite Xstals. pyrite cubes 1%	200.0 - 202.0	4048	2.0	.002
	202.0 - 204.0 alteration zone no detectable mineral	202.0 - 204.0	4049	2.0	.01
	204.0 - 206.0 " " " "	204.0 - 206.0	4050	2.0	.002
	206.0 - 208.0 Sheared at 45° to CA. qtz stringers crenulated pyrite < 0.5%, sericite	206.0 - 208.0	4051	2.0	.005
	208.0 - 210.0 same as above	208.0 - 210.0	4052	2.0	NIL
	210.0 - 211.0 same as above	210.0 - 211.0	4053	1.0	.002
	211.0 - 212.0 best looking part of shear increase in qtz sericite crenulated & minor pyrite 0.5% to 1% over	211.0 - 212.0	4054	1.0	.002

ODINAIVE MINES LTD	PROPERTY:			HOLE NO: D-81-10
LATITUDE :	BEARING:	DIP:	STARTED: COMPLETED:	PAGE No 3 of 4
DEPARTURE:	V.D.	H.D.	DRILLED BY:	DEPTH: 308'
ELEVATION:	LOCATION:			LOGGED BY: RC.

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Cu oz/t					
	212.0 - 213.0 same as above with qv at 212.7 with jasper qtz is grey looking	212.0 - 213.0	4055	1.0	NIL					
	213.0 - 215.0 Lamprophyre dike + shearing	213.0 - 215.0	4056	2.0	NIL					
	215.0 - 217.0 shearing has now gone to 60° to CA. crenulated talc on shear plans no detectable min	2150 - 217.0	4057.	2.0	NIL					
	2170 - 219.0 same as above with arsenopyrite 0.2%.	217.0 - 219.0	4058	2.0	NIL					
	219.0 - 220.0 same as above with blueish tinge as lamprophyre is introduced	2190 - 220.0	4059	1.0	NIL					
	220.0 - 223.7 Lamprophyre dike									
	223.7 - 224.5 sheared at 60° to CA between 2 lamp dikes	2237 - 224.5	4060	1.2	.002					
	224.5 - 231.0 Lamprophyre dike black									
	232.0 - 234.0 same as above no arsenopyrite 0.5% pyrite blue tinge still	232.0 - 234.0	4061	2.0	NIL					
	234.0 - 236.0 same as above	234.0 - 2360	4062	2.0	NIL					
	236.0 - 238.0 same as above decrease in qtz minor jasper	2360 - 238.0	4063	2.0	NIL					
	238.0 - 240.0 same as above decrease in qtz from last sample	238.0 - 240.0	4078	2.0	[illegible] .002					
240.0 - 260.0	Core box spilled by drillers approx 4.0' of lamprophyre in box remainder of core sampled in 2.0' lengths shear now has feldspar or carbonate crystals along shear plans very scarce mineral, many qtz carbonate stringers SHEAR ENDS SOMEWHERE BETWEEN 240.0 - 260.0	# 1	4064	1.6	NIL					
		# 2	4065	2.0	NIL					
		# 3	4066	2.0	.002					
		# 4	4067	2.0	NIL					
		# 5	4068	20	NIL					
		# 6	4069	2.0	.005					
260.0 - 308.0	Meta Volcanics same as above fine grain green black, blebs of pyrite 0.5% H= 4.5 some minor calcite qtz stringers alteration + minor shearing									

DUNRAINE MINES LTD PROPERTY:				HOLE NO. D-81-10
LATITUDE :	BEARING:	DIP:	STARTED: COMPLETED:	PAGE No. 4 of 4
DEPARTURE:	V.D.	H.D.	DRILLED BY:	DEPTH: 309'
ELEVATION:	LOCATION:			LOGGED BY: R.C.

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA oz/ton
	265.0 - 267.0 group of narrow stringers	265.0 - 267.0	4070	2.0	NIL
	268.4 - 269.4 minor shear qtz.	268.4 - 269.4	4071	1.0	NIL
	271.0 - 271.5 calcite stringer no mineral	2760 - 2765	4072	0.5	NIL
	279.0 - 280.0 ankerite in calcite vein	279.0 - 280.0	4073	1.0	NIL
	303.7 - 304.2 minor shear	303.7 - 304.2	4074	0.5	NIL
	307.0 - 308.0 minor shearing.	307.0 - 308.0	4075.	1.0	.002

DUNRAINE MINES LTD. PROPERTY: DARWIN

LATITUDE: 23 + 50N	BEARING: Grid W	DIP: -60°	STARTED: Aug.25	COMPLETED: Aug.30	HOLE NO. D-81-11
DEPARTURE: 2 + 50 W	V.D.	H.D.	DRILLED BY:		Page 1
ELEVATION: + 60	LOCATION: Darwin shear-attempt to find extension of intersection from D-81-8				DEPTH: 244'
					LOGGED BY:

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Gold/oz
0.0 - 5.0	Casing				
5.0 - 31.8	META VOLCANICS-fine grained green-grey some aplitic alteration qtz-carb stringers 5.0-5.6 Lamp Dyke - shallow CA 5.6-11.5 linch lamp stringer parallel to CA core badly broken and altered. 26.7-27.0 qtz.carb vein neg. min. 28.0-31.8 green grey chloritic Ash - possible horizon marker	26.7-28.0	4079	1.3	.002
31.8 - 58.5	TUFFS-Felspar xtal-irregularly interbedded with minor ash beds-at 43.0-48.2' 56' - 2' rusty seam.				
58.5 - 70.0	GRANO DIORITE -qtz. carb.sericite vein at contact minor py 6.2-6.5 Ash	58.5-59.2	4080	0.7	.002
70.0 - 96.4	TUFFS- fels xtal-some sections more fine grained with less developed xtals. 74.0-78.5 - Ash				
91.4 -102.5	GRANO DIORITE ?-60CA, fels-qtz.(?)fair py min.	99.0-99.6	4081	0.6	.005
102.5 -129.4	META VOLCANICS-some altered section some minor py.cubes 116.5-119.6 Lamp dyke				
129.4 -134.5	TUFFS-fels.xtal - as above.				
134.5- 155.6	META VOLCANICS - as before-carb.stringers and evidence of minor faulting as approaching shear zone.				
155.6 -218.0	DARWIN SHEAR ZONE-badly contorted and folded-evidence of faulting-qtz.carb. chl. sericite minor to fair sulphides py-po-cpy possible rspy. 196.5-199.1 Lamp Dyke 200.0-200.5 Lamp dyke 201.4-203.0 Lamp Dyke 204.5-208.5 Lamp dyke 15-20 CA 209.5-210.9	155.7-157	4082	1.3	.002
		157.0-158.8	4083	1.8	.002
		160.7-162.0	4084	1.3	.10
		162.0-164.0	4085	2.0	.005
		165.9-167.0	4086	1.1	.002
		167.0-169.0	4087	2.0	.002
		169.0-170.7	4088	1.7	.002
		170.7-172.8	4089	2.1	.002
		173.6-175.0	4090	1.4	.002
		175.0-176.5	4091	1.5	NIL
		176.5-178.1	4092	1.6	NIL
		178.1-180.0	4093	1.9	NIL
218.0-244.0	META - some sections tuffaceous minor alteration and py.				
	END OF HOLE.				

PROPERTY

LATITUDE:	BEARING:	DIP:	STARTED:	COMPLETED:	HOLE NO: D-81-11 Page 2
DEPARTURE:	V.D.	H.D.	DRILLED BY:		DEPTH:
ELEVATION:	LOCATION:				LOGGED BY:

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA AU	TON
		180.0 - 181.5	4094	1.5	NIL	
		181.5 - 182.9	4095	1.4	NIL	
		183.2 - 185	4096	1.8	NIL	
		185.0 - 186.5	4097	1.5	NIL	
		186.5 - 188.9	4098	2.4	NIL	
		188.9 - 190.9	4099	2.0	NIL	
		190.9 - 193.2	4100	2.3	NIL	
		193.2 - 195.0	4403	1.8	NIL	
		195.6 - 196.5	4404	0.9	NIL	
		208.5 - 209.4	4405	0.9	NIL	
		210.8 - 213.0	4406	2.2	NIL	
		213.2 - 215.0	4407	1.8	NIL	
		215.7 - 217.2	4408	1.5	NIL	

Sunstone Mines Ltd. PROPERTY: Darwin				HOLE NO. D81-11
LATITUDE: 23+50N	BEARING: Grid W	DIP: -60°	STARTED: Aug 25 COMPLETED: Aug 30	Page 1 OF 3
DEPARTURE: 2+50W	V.D.	H.D.	DRILLED BY:	DEPTH: 244
ELEVATION: +60	LOCATION: Darwin Shear - attempt to Find extension of intersection From D81-8			LOGGED BY: D. Gignac

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Au/Ton					
0 - 5	Casing									
5 - 31.8	meta Volcanics - Fine grained green - grey - some sulfide retention qtz - carb stringers									
	5 - 5.6 - lamp dyke - shallow CA									
	5.6 - 11.5 - 1 inch lamp stringer parallel to CA - core badly broken and altered									
	26.7 - 28 - qtz carb vein neg. min	26.7 - 28	4079	1.3	.002					
	28 - 31.8 - green grey chloritic Ash - possible horizon marker -									
31.8 - 59.5	Tuffs - Felspar xtal - irregularly interbedded with minor ash beds - at 43' - 48.7 Ft.									
	56' - .2' rusty seam									
59.5 - 70.0	Grano Andesite									
	qtz - carb - sericite seam at contact - minor py	58.5 - 59.2	4080	0.7'	.002					
	62 - 65 - ash									
70.0 - 96.4	Tuffs - Felsic xtal - some sections more Fine grained with less well developed xtals.									
	74 - 78.5 - Ash.									
91.4 - 102.5	Grano Andesite 60 CA felsic-qtz-ch. Fair py min	99 - 99.6	4081	0.6	.005					
102.5 - 129.4	Meta volcanics - some altered sections some minor py zones									
	116.5 - 119.6 - Lamp dyke									
129.4 - 134.5	Tuffs - Felsic xtal - ac grano									

PROPERTY:				HOLE NO. D85-11
LATITUDE:	BEARING:	DIP:	STARTED: COMPLETED:	Page 2 of 3
DEPARTURE:	V.D.	H.D.	DRILLED BY:	DEPTH:
ELEVATION:	LOCATION:			LOGGED BY: D. Gignac

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Au Hon
134.8 - 155.6	Meta volcanics - as before - carb stringers and evidence of minor faulting as approaching shear zone				
155.6 - 218.0	Darwin Shear Zone - badly contorted and folded - sub-vert foliation - qtz carb chl sericite - ~~fuchsite~~ minor to fair sulfides ~~by~~ by-parcy possible asp.	155.7 - 157	4082	1.3	.002
		157 - 158.8	4083	1.8	.002
		160.7 - 162	4084	1.3	.10
		162 - 164	4085	2.0	.005
		165.9 - 167	4086	1.1	.002
		167 - 169	4087	2.0	.002
		169 - 170.7	4088	1.7	.002
		170.7 - 172.8	4089	2.1	.002
		172.5 - 175	4090	1.4	.002
		175 - 176.5	4091	1.5	NIL
		176.5 - 178.1	4092	1.6	NIL
		178.1 - 180	4093	1.9	NIL
		180 - 181.5	4094	1.5	NIL
		181.5 - 183.9	4095	1.4	NIL
		183.2 - 185	4096	1.8	NIL
		185 - 186.5	4097	1.5	NIL
		186.5 - 188.9	4098	2.4	NIL
		188.4 190.4	4099	2.0	NIL
		190.4 193.2	4100	2.3	NIL

PROPERTY:				HOLE NO: D86-16
LATITUDE:	BEARING:	DIP:	STARTED: COMPLETED:	Page 3 of 3
DEPARTURE:	V.D.	H.D.	DRILLED BY:	DEPTH: 244
ELEVATION:	LOCATION:			LOGGED BY: D.G.

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA oz/Ton					
		193.2 - 195	4403	1.8	NIL					
	191.5 - 191 - Lamp dyke.	195.6 - 196.5	4404	0.9	NIL					
	200 - 200.5 - Lamp dyke	208.5 - 209.4	4405	0.9	NIL					
	201.4 - 203 - Lamp dyke	210.8 - 213	4406	2.2	.002					
	204.5 - 208.5 - lamp dyke 15-20 CA	213.2 - 215	4407	1.8	NIL					
	209.5 - 210.9	215.7 - 217.2	4408	1.5	NIL					
218.0 - 244	Meta - some sections tuffaceous minor Alteration and qy									
	End of hole									

DUNRAINE MINES LTD.	PROPERTY - DARWIN				HOLE NO. D-81-12
LATITUDE : L 23 N	BEARING: Grid W	DIP: -60°	STARTED: Sept. 2	COMPLETED: Sept. 5	Page 1
DEPARTURE: 2 + 10W	V.D.	H.D.	DRILLED BY:		DEPTH: 274.7
ELEVATION:	LOCATION: Darwin Shear 50' S of D81-8				LOGGED BY:

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	Gold/ton ASSAY DATA
0.0 - 5.0	Casing				
5.0 - 80.0	TUFFS-Felspar xtal-good to intermediate xtal development several minor chloritic ash beds throughout. some aplitic alterationand occasional rusty seams.				
80.0 - 92.6	META VOLCANICS - Ash ? - grey green-occasional qtz-carb stringers - some siliceous mineralized sects. qtz.-py-po-cpy	80.8-81.2	4409	0.4	.009
		82.0-83.5	4410	1.5	nil
		83.5-84.7	4411	1.2	nil
92.6 -103.2	TUFFS - as before	204.0-207.0	4412	2.6	NIL
103.2 -109.9	META - as before	207.0-208.0	4413	1.3	.002
109.9 -115.0	TUFFS- as above	210.2-212.2	4414	2.0	NIL
115.0 -123.8	META - as before	212.6-214.4	4415	1.8	.002
123.8 -149.0	GRANODIORITE-blue qtz.eyes-good felspars-some py.min. stock material.	214.4-215.9	4416	1.5	.002
149.0- 154.5	META - as before	215.9-217.5	4417	1.6	.002
154.5- 158.3	GRANODIORITE-as above	217.9-219.5	4418	1.6	NIL
158.3- 161.6	META AS before	220.4-222.1	4419	1.7	.002
161.6- 172.5	GrANODIORITE-as above	222.1-223.2	4420	1.1	.002
172.5- 187.9	META VOLCANICS-as before 181.5-186.2 Lamp dyke shallow CA	223.2-224.4	4421	1.2	NIL
187.9- 204.4	TUFFS-poorly developed xtals-siliceous minor py.min. 198.4-200.6 Lamp dyke 202.2-204.4 Lamp dyke	224.4-226.1	4422	1.7	.002
204.4- 245.8	DARWIN SHEAR ZONE - qtz.carb.rich sections interbedded with sericite and chlorite schist - some rather well mineralized sections - py-po-cpy-aspy- other sections contorted, folded with minor faulting some altered zone-incl. upper and lower contacts.	226.1-227.5	4423	1.4	.005
		227.5-228.5	4424	1.0	.01
		228.5-230.0	4425	1.5	.002
		230.0-231.5	4426	1.5	.002
		233.8-235.0	4427	1.2	NIL
		235.0-236.3	4028	1.5	NIL
		234.8-238.1	4029	1.7	.002
245.8- 274.7	META VOLCANICS-some qtz. carb. stringers. minor cubic py.min 270.8-273.7 - Lamp dyke.				

Placer Mines Ltd. PROPERTY: Darwin					HOLE NO. D81-12 page 1 of 2
LATITUDE: L23N	BEARING: Grid W	DIP: -60°	STARTED: Sept 2	COMPLETED: Sept 5	
DEPARTURE: 2+10 W	V.D.	H.D.	DRILLED BY:		DEPTH: 274.7
ELEVATION:	LOCATION: Darwin Shear 50' S of D81-8				LOGGED BY: D. Grigsmc

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Au/ton
0-5	Casing.				
5-80	Tuffs - Felspar xtal - good to intermediate xtal development - several minor chloritic ash beds throughout. - some aplitic alteration and occasional rusty seam				
80-92.6	Meta volcanics - Ash? grey-green - occasional qtz-carb stringers - some siliceous mineralized rock - qtz - py - po - cpy	80.8 - 81.7	4409	0.4	.009
		82. - 83.5	4410	1.5	NIL
92.6-103.2	Tuffs - as before -	83.5 - 84.7	4411	1.2	NIL
103.2-109.9	meta - as before -				
109.9-115	Tuffs - as above -				
115-123.8	meta - as before -				
123.8-149	Granodiorite - blue qtz eyes good Felspars - some py min - Stock material -				
149-154.5	meta - as before -				
154.5-158.3	Granodiorite - as above -				
158.3-161.6	meta - as before -				
161.6-172.5	Granodiorite as above -				
172.5-187.9	- Meta volcanics - as before - 181.5 - 186.2 - Lamp dyke shallow CA.				
187.9-204.4	Tuffs - poorly developed xtals - siliceous minor py min.				

PROPERTY:				HOLE NO. D81-12 page 2 of 2
LATITUDE :	BEARING:	DIP:	STARTED: COMPLETED:	
DEPARTURE:	V.D.	H.D.	DRILLED BY:	DEPTH:
ELEVATION:	LOCATION:			LOGGED BY:

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Au/Ton
	198.4 - 200.6 - Lamp dyke				
	202.2 - 204.4 - Lamp dyke				
204.4 - 245.8	Darwin Shear Zone	204.4 - 207.0	4412	2.6	NIL
	- qtz carb rich sections interbedded	207 - 208.3	4413	1.3	.002
	with sericite + chlor. schist	210.2 - 212.2	4414	2.0	NIL
	- some rather well mineralized	212.6 - 214.4	4415	1.8	.002
	sections - py - po - cpy - Aspy	214.4 - 215.9	4416	1.5	.002
	- other sections contorted folded with	215.9 - 217.5	4417	1.6	.002
	minor Faulting	217.9 - 219.5	4418	1.6	NIL
	- some altered zones - incl upper	220.4 - 222.1	4419	1.7	.002
	and lower contacts	222.1 - 223.2	4420	1.1	.002
245		223.2 - 224.4	4421	1.2	NIL
		224.4 - 226.1	4422	1.7	.002
		226.1 - 227.5	4423	1.4	.005
		227.5 - 228.5	4424	1.0	.01
		228.5 - 230	4425	1.5	.002
		230 - 231.5	4426	1.5	.002
		233.8 - 235	4427	1.2	NIL
		235 - 236.5	4028	1.5	NIL
		236.8 - 238.1	4029	1.7	.002
245.8 - 274.7	- Meta volcanics - some qtz carb stringers				
	minor sulfide py min.				
	270.8 - 273.7 - Lamp dyke				

Dunraine Mines Ltd.	PROPERTY: Darwin				HOLE NO: D81-13
LATITUDE: 30+70N	BEARING: Grid W	DIP: 60°	STARTED: Sept 9	COMPLETED: Sept 14	page one of 2.
DEPARTURE: 1+00W	V.D.	H.D.	DRILLED BY: H Frenk. Dia. Drilling.		DEPTH: 245.6
ELEVATION:	LOCATION: Darwin Shear - North of Sutherland Pond.				LOGGED BY: D.G.-REC

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Au/ton
0-7.3	Casing.				
7.3-19	Granodiorite - minor Fracturing + seams.				
	10.9-15 - Lamp dyke.				
19-22	Meta Volcanics - probably Ash.				
	Fine grained chloritic				
	22-23.5 - rusty Altered contact.				
23.5-40.5	Granodiorite -				
	35-39.7 - silicious Alteration - aplite				
	qtz carb stringers.				
40.5-41.6	Meta volcanics - Ash - ab before.				
41.6-73.5	Granodiorite - as before				
	45-46 - Fair py - interstitial				
	Altered contact.				
73.5-116.3	- Sheared Zone - Meta Volcanics	78-80	4430	2	NIL
	- qtz - carb stringers - minor py sulfides	80-82	4431	2	NIL
	- evidence of Folding + minor Faulting	82-84	4432	2	NIL
	- probably linear	84-86	4433	2	NIL
	- 111-113 - alteration - neg. mineral	111-113	4434	2	NIL
116.3-157.1	Metavolcanics - Fairly massive unaltered	113-115	4435	2	.002
	chloritic - minor qtz - carb stringers - py -	115-116	4436	1	NIL
	140-141.7 - qtz carb vein - irregular Shelburn	140-141.7	4437	1.7	NIL
	diss. py - speck moly - possible speck VG				
	142.5-143.5 - qtz carb vein - chl. py - cpy	142.5-143.5	4438	1.0	NIL
	144.4-145.9 - qtz carb vein - chl. py.	144.4-145.9	4439	1.5	.01
	big blobs cpy in qtz.				

PROPERTY:				HOLE NO: DSI-13 page 2 of 2
LATITUDE :	BEARING:	DIP:	STARTED: COMPLETED:	
DEPARTURE:	V.D.	H.D.	DRILLED BY:	DEPTH:
ELEVATION:	LOCATION:			LOGGED BY:

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Au/ton
157.1-167.1	Granodiorite - as before -				
	157.1 - 158 - silicified contact qtz - stringer · black bands - neg. sulfide	157.1-158	4440	0.9	NIL
167.1-217.3	Meta volcanics - Altered contact.				
	plenty py cubes - throughout				
	169.2 - 170.6 - red-orange alteration				
	170.6 - 171.6 - alteration - grey banded				
	rock - minor py blebs.	170.6-171.6	4441	1.0	NIL
	171.6 - 172.2 - meta - Large py cubes				
	172.2 - 173.2 - Alt. zone silicious.	172.2-1732	4442	1.0	NIL
	- minor py min				
	177-4 - 179.3 - Lamp dyke				
217.3-245.6	TuFFs - Fine grained - silicious				
	minor small blue qtz eyes.	234-236.	4443	2.0	NIL
	End of hole.				

DENRAINE MINES - Ltd	PROPERTY: DARWIN				HOLE NO: D-81-1+
LATITUDE: L 25N	BEARING:	DIP: -50°	STARTED: Sept 17/81	COMPLETED: Sept 19/81	PAGE 1 of 2
DEPARTURE: 2100 E	V.D.	H.D.	DRILLED BY: H Funk Diamond Drilling		DEPTH: 100.9
ELEVATION:	LOCATION: KOZA SHOWING ON THE HARPER LINEAR				LOGGED BY: DG+REC

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Oz Au					
0-50'	Casing									
50-18.7	Tuff good feldspar crystals minor chalco throughout									
	10.0-10.6 Xstal tuff minor blue eyes qtz good chalcopyrite 1.0% po 0.1% malachite & azurite on seam <0.1%	10.0-10.6	4444	0.6'	.02					
	11.1 & 18.0 more cpy blebbies									
18.7-29.1	Tuff grading into finer grained tuff poorly developed feldspar									
	21.0 & 22.5 still minor cpy									
	22.2-22.9 more silicious minor qtz carb 0.5% cpy 0.1% po	22.2-22.9	4445	0.7'	.002					
29.1-29.8	Meta Volcanics ash horizon 90° to CA minor qtz carb									
	stringers no detectable mineral									
29.8-33.0	Core missing probably ground by drillers									
33.0-39.0	Tuff fine diss cpy more silicious, qtz carb stringers									
	grading into fined grained tuff.									
	38.5-39.0 silicious qtz stringers minor py+po tourmaline also	38.5-39.0	4446	0.5'	NIL					
39.4-43.7	Vein material qtz brecciated w/ coin creamy white diss	39.4-40.0	4447	0.6	.01					
	black pyrite minor sericite green tourmaline some vitreous									
	qtz sections minor cpy sludge sample taken 400-500 #669									
	40.0-40.8 qtz carb diss black py minor tourmaline	40.0-40.8	4448	0.8	NIL					
	40.8-42.0 qtz carb minor sericite glassy qtz stringers po	40.8-42.0	4449	1.2	.002					
	42.0-43.0 glassy qtz UG one spec green tourmaline chl?	42.0-43.0	4450	1.0	.02	NIL	.005	.005		
	43.0-43.7 Same as above no UG seen	43.0-43.7	4451	0.7	.02					
43.7-49.0	Meta Volcanics banded at 90° to CA with qtz carb									
	stringers 0.5% diss sulphide throughout tourmaline also									
	43.7-45.0 Same as above	43.7-45.0	4452	1.3	.002					
	45.0-46.0 Same as above	45.0-46.0	4453	1.0	NIL					
	46.0-47.0	46.0-47.0	4454	1.0	NIL					

DONIRAING MINES Ltd	PROPERTY:				HOLE NO. D-81-14
LATITUDE :	BEARING:	DIP:	STARTED:	COMPLETED:	PAGE No. 2 of 2
DEPARTURE:	V.D.	H.D.	DRILLED BY:		DEPTH: 100.9
ELEVATION:	LOCATION:				LOGGED BY: DG+REL

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA OZ Au					
	47.0 - 47.15 - fault gouge cemented.		1							
	47.15 - 48.1 least section of meta mafic qtz carb sericitic	47.15 - 48.1	4455	1.0	NIL					
	48.1 - 49.0 same as above	48.1 - 49.0	4456	0.9	NIL					
	contact is gradual into second qtz vein system									
49.0 - 59.2	Vein material brecciated qtz as above									
	49.0 - 51.0 same as above	49.0 - 51.0	4457	2.0	NIL					
	51.0 - 52.9 sericitic minor sulphides glassy qtz stringers	51.0 - 52.9	4459	~~.09~~	NIL					
	52.9 - 54.6 glassy qtz carbonate hematite alteration, tourmaline	52.9 - 54.6	4460	~~.17~~	NIL					
	bands green & black sulphides also present									
	51.0 - 52.0 cpy in stringer	51.0 - 52.0	4458	1.0	.01					
	54.6 - 55.6 g.v some carb sulphides on HW+FW contact	54.6 - 55.6	4461	1.0	NIL					
	55.6 - 57.6 qtz sericitic blue eyed qtz pebbles stringers	55.6 - 57.6	4462	2.0	NIL					
	& sugar qtz bands of py + po									
	57.6 - 59.2 green tourmaline same as above	57.6 - 59.2	4463	1.6	NIL					
59.2 - 100.9	Crystal Tuff same as above no cpy or detectable min									
	64.0 - 66.0 alteration zone minor qtz carb stringers minor py	64.0 - 66.0	4464	2.0	NIL					
	80.0 - 81.0 qtz carb veining 0° to CA minor py	80.0 - 81.0	4465	1.0	NIL					
	79.5 - 80.6 lamp dyke									
100.9	END OF HOLE D-81-14									

DUNRAINE MINES Ltd | PROPERTY: DARWIN | HOLE NO. D-81-15

LATITUDE: 125N	BEARING:	DIP: -50°	STARTED: Sept 19/81 COMPLETED: Sept 21/81	PAGE 1 of 2
DEPARTURE: 2+00E	V.D.	H.D.	DRILLED BY: H. Ford DIAMOND DRILLING	DEPTH: 100.0
ELEVATION:	LOCATION: KOZA SHOWING			LOGGED BY: REC.

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Au/Tau
0 - 6.5	Casing				
6.5 - 19.1	Crystal Tuff. well developed feldspars minor blebs of blue eyed qtz no detectable min some section black colour biotite? lamprophyre?				
19.1 - 34.5	Finer grained tuff greenish tinge chl? minor qtz stringers no detectable min until 35.0 diss py+po 0.5%				
	21.0 - 22.5 sugary qtz vein 0° to CA contains chl minor sulphide <0.1% total	21.0 - 22.5	4466	1.5	NIL
	29.7 - 31.0 series of qtz veinlets 90° to CA chlorite minor sulphides 0.1% total	29.7 - 31.0	4467	1.3	NIL
34.5 - 64.2	Quartz VEIN System				
	34.5 - 36.5 silicious zone diss py + po throughout 0.5% minor qtz sugary stringer at 35.5' containing 1% chl 0.5% py + pc	34.5 - 36.5	4468	2.0	NIL
	37.1 - 37.5 qtz vein po 1% py <0.5% chl 0.1% tourmaline	37.1 - 37.5	4469	0.4	NIL
	38.5 - 39.8 series of qtz stringers 0.1' wide contains carb alteration, chl 0.5% py 0.1% po 0.1% spy <0.1%	38.5 - 39.8	4470	1.4	.002
	40.0 - 41.5 silicious zone buff grey in colour 0.5% py <0.1% chl minor tourmaline 0.1% moly	40.0 - 41.5	4471	1.5	.002
			4		
	41.5 - 42.5 qtz breccia distinct colour glassy white qtz very minor sulphide 0.2% moly	41.5 - 42.5	4472	1.0	NIL
	45.2 - 46.7 qtz calcite vein breccia 0.5% py <0.1% cpy in calcite	45.2 - 46.7	4473	1.5	NIL
	46.7 - 47.9 shearing at 45° to CA minor py along plane pure calcite vein last 0.4' chl + minor py	46.7 - 47.9	4474	1.2	NIL
	47.9 - 50.0 silicious zone minor qtz veinlets at 60° to CA	47.9 - 50.0	4475	2.1	NIL

MARAINE - MINES Ltd	PROPERTY: DARWIN			HOLE NO: D-81-15
LATITUDE:	BEARING:	DIP: -50°	STARTED:	COMPLETED: Page 2 of 2
DEPARTURE:	V.D.	H.D.	DRILLED BY:	DEPTH: 1060'
ELEVATION:	LOCATION:			LOGGED BY: R.E.C.

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Au/Ton
	minor py 0.2% 46.7-49.7 qtz vein tourmaline xstals 0.5%				
	50.0-52.0 buff grey same as above	50.0-52.0	4476	2.0	NIL
	52.0-54.0 same as above	52.0-54.0	4477	2.0	NIL
	54.0-55.5 " " "	54.0-55.5	4478	1.5	NIL
	55.5-57.5 " " " some sericite	55.5-57.5	4479	2.0	NIL
	57.5-58.5 strong qtz vein glassy with colour carb alteration minor py <.05% amethyst present	57.5-58.5	4480	1.0	NIL
	58.5-60.0 same as above	58.5-60.0	4481	1.5	NIL
	60.0-61.3 " " "	60.0-61.3	4482	1.3	NIL
	61.3-62.5 " " "	61.3-62.5	4483	1.2	NIL
	62.5-64.2 alteration zone minor qtz no detectable min lamp dyke at 63.0 circulation at 64.0'	62.5-64.2	4484	1.7	NIL
64.2-72.0	Tuff same as above fine grain for first 50' grading into Crystal tuff at 72.0				
72.0-100.0	Crystal Tuff same as above				
	75.8-76.3 minor qtz vein sugary chl no detectable min	75.8-76.3	4485	6.5	NIL
100.00	End of Hole D-81-15.				

Darwin Mines Ltd.	PROPERTY: Darwin				HOLE NO: D81-16
LATITUDE: 213N	BEARING: Grid W	DIP: -70°	STARTED: Sept 22	COMPLETED: Sept 29	page 1 of 4
DEPARTURE: 1+25W	V.D.	H.D.	DRILLED BY:		DEPTH: 296.5'
ELEVATION:	LOCATION: Line of intersection between Darwin Shear + Harper linear				LOGGED BY: DG+REC

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Au/Ton					
0-10	Casing.									
10-34.3	Meta volcanics - Fine grained green-grey minor py. - qtz - carb stringers. spy.									
	12.9-13.4 - QV carb - py	12.9-13.4	4488	0.5	.002					
34.3-44.1	Granodiorite - blue qtz eyes - bio - Fels - neg min.									
44.1-45.3	TuFFs - Fair Fels xtal minor py.									
45.3-48.3	Grano - as before									
48.3-48.7	Meta - Probable ash bed. minor py-chl.									
48.7-51.3	Grano - as before except more py 0.1%									
51.3-60.0	Alteration zone - transition between grano masses - probable Altered tuFF									
	51.2-52.6 - 0.5% py minor irr qtz carb stringers.									
	54.2-55 - Alteration qtz - carb - albite - 2% py	54.2-55	4489	0.8	NIL					
60-64.4	Grano - as before.									
64.4-69.2	Meta - Ash - chl. tuff - green-grey - minor chl. rich g.v. - neg. min.									
	66.3-67 - Alteration - qtz - carb albite									
69.2-75.7	Grano - as before									
	- 72.7-73.2 - diss. py.									
75.7-79.5	Meta - Ash - irr. qtz carb stringers. minor py									
79.5-82.3	TuFFs - minor blue qtz eyes - irr. qtz stringers									
82.3-84	Meta - ash grades into Grano?									
84-88.2	Grano - as before									
88.2-107.2	TuFFs - Fine grained - minor blue eyes									

PROPERTY:				HOLE NO. DS1-16
LATITUDE :	BEARING:	DIP:	STARTED: COMPLETED:	page 2 of 4
DEPARTURE:	V.D.	H.D.	DRILLED BY:	DEPTH:
ELEVATION:	LOCATION:			LOGGED BY:

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Au/Ton					
	qtz carb stringers - chlorite		1							
107.2 - 119.5	Grano - with tuFFy inclusions sub angular 2 - 3 inch diam.									
119.5 - 121.5	Lamp dykes - Altered W.R									
121.5 - 132.5	Meta - Fine grained grey									
	-129 - ¼ inch qtz pebble? (circular)									
	-Fine blue qtz eyes									
	130.6 - 132.5 - Vein Material	130.6 - 132.5	4490	1.9	NIL					
	qtz - carb - albite - tourm - chl. minor py									
132.5 - ~~146.3~~ 162.0	TuFFs - neg min - brown carb specks.									
	135.1 - 135.4 - granular minor py	135.1 - 135.4	4491	0.3	.002					
	140 - 140.8 - grey white carb-alt. tourm. albite	140 - 140.8	4492	0.8	NIL					
	143.8 - 145.5 - Lamp dykes Alt. W.R.									
	146.5 - 147.5 - QV's - 3 minor 90 CA neg. min	146.5 - 147.5	4493	1.0	NIL					
	152.4 - 153.3 - QV's - 2 minor - 1 at 90 CA - other									
	truncated at 30° neg min - tourm only	152.4 - 153.3	4494	0.9	NIL					
	no smell!									
162 - 286.3	Shear Zone - Parwin Shear at 60 CA									
	- minor qtz cremulations schistosity - evidence of minor Folding + Faulting									
	- 166.8 - 167.5 - QV. - milk white granular, minor py	166.8 - 167.5	4495	0.7	.002					
	- 170.2 - 170.8 - Lamp dyke.									
	- 170.8 - 171.8 - qtz bx - Tourm - Neg. min.	170.8 - 171.8	4496	1.0	.002					
	- 171.8 - 178 - Fine disc. py									

PROPERTY:				HOLE NO. D81-16 page 3 of 4
LATITUDE:	BEARING:	DIP:	STARTED: COMPLETED:	
DEPARTURE:	V.D.	H.D.	DRILLED BY:	DEPTH:
ELEVATION:	LOCATION:			LOGGED BY:

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Au/Ton
	-178.5 - 180.5 - Alteration - cream color - py - black tail minor qtz	178.5 - 180.5	4497	1.5	NIL
	-180 - 181 - Same as above	180 181	4498	1.0	NIL
	-181.8 - 183.2 - Same as above	181.8 - 183.2	4499	1.4	NIL
	-183.2 - 184.1 - QV - white - minor tourm + py	183.2 - 184.1	4500	0.9	NIL
	-184.1 - 184.4 - Lamp dyke				
	-185 - 186 - QV - tourm - minor cpy	185 - 186	4301	1.0	NIL
	-186.7 - 187.7 - qtz stringers 90CA minor py	186.7 - 187.7	4302	1.0	.002
	-188.5 - 190 - minor qtz stringers disc. min	188.5 - 190	4303	1.5	NIL
	-190.7 - 191.2 - QV	190.7 - 191.2	4304	0.5	NIL
	-192 - 193 - Qtz bx	192 - 193	4305	1.0	.002
	-194.3 - 195 - Alteration	194.3 - 195	4306	0.7	.002
	-203.2 - 205 - Qtz bx	203.2 - 205	4307	0.8	.005
	-205 - 206 - as above	205 - 206	4308	1.0	.002
	-207 - 208.5 as above exept more chlorite	207 - 208.5	4309	1.5	NIL
	-209 - 210 - QV	209 - 210	4310	1.0	NIL
	-225.7 - 227.3 - silicification - py	225.7 - 227.3	4311	1.6	NIL
	-235 - 237 - qtz stringers minor py - cpy - po	235 - 237	4312	2.0	NIL
	-238.7 - 239.7 - QV - granular - tourm - py	238.7 - 239	4313	1.3	NIL
	-241 - 242.5 - silicification - py - po	241 - 242.5	4314	1.5	.005
	-245 - 246 - as above	245 - 246	4315	1.0	NIL
	-246.3 - 247.6 - Lamp dyke				
	-248.4 - 250.6 - Lamp dyke				
	-250.6 - 254.2 - Alteration	250.6 - 252.6	4316	2.0	.002
		252.6 - 254.2	4317	1.8	.002

PROPERTY:				HOLE NO: 081-16
LATITUDE:	BEARING:	DIP:	STARTED: COMPLETED:	Page 4 of 4
DEPARTURE:	V.D.	H.D.	DRILLED BY:	DEPTH:
ELEVATION:	LOCATION:			LOGGED BY:

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Au/Ton					
	-288 - 289.5 - qtz carb stringers - minor py	288 - 289.5	43118	1.5	NIL					
	-261.6 - 267.7 - Lamp dyke.	~~261.6 267.7~~	~~43119~~	~~6.9~~						
	-262.7 - 263.2 - qtz bx minor py.	262.7 - 263.2	43119	0.5	NIL					
	-272 - 273 - Alteration - grey - minor po-py	272 - 273	43120	1.0	.002					
	-279 - 280 - as above									
	-280.2 - 286.3 - Lamp dykes									
286.3 - 296.5	Meta volcanics - qtz carb stringers.									
	End of hole									

DUNRAINE MINES LTD. PROPERTY DARWIN

LATITUDE: L 36	BEARING: Grid W	DIP: -45°	STARTED: Oct.5/81 COMPLETED: Oct.8/81	HOLE NO. D-81-17 Page 1
DEPARTURE: 2 + 10S	V.D.	H.D.	DRILLED BY: H.Funk Diamond Drilling	DEPTH: 151'
ELEVATION:	LOCATION: 200'NE of Darwin Vert. shaft.			LOGGED BY:

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	Au/Oz ASSAY DATA
0.0 - 12.1	CASING				
12.1 - 83.8	TUFF well developed felspar med.grained green colour generally although some lighter & darker sections minor qtz.sections & also white(red)sections				
	28.9-30.0 1" wide qtz.vein 30° to CA 2nd ½" wide some minor carbonate or albite no detectable min. blue alteration lamp dyke close by.	28.9-30.0	4322	1.1	
	33.0-34.5 1"wide mily qtz.vein 70° to CA 0.1% chl.0.1%	33.0-34.5	4323	1.5	
	36.0-37.0 Tuff with cherty band at 75° to CA minor py.	36.0-37.0	4324	1.0	
	47.0-49.0 Calcite qtz.section breccia py. 0.2%,cpy 0.2% chl. 0.5%	47.0-49.0	4325	2.0	
	52.9-55.0 irregular qtz.carb veining white no detectable min.	52.9-55.0	4326	2.1	
	59.0-60.5 qtz. breccia 70° to CA no detectable min. minor tourmeline	59.0-60.5	4327	1.5	
	60.5-62.2 Same as above.	60.5-62.2	4328	1.7	
	69.0-71.0 Carb.qtz. section white no detectable min.	69.0-71.0	4329	2.0	
83.8 - 98.2	LAMPROPHYRE dyke generally black some places tuff appears for short sections.				
	93.0-95.0 section has round to sub-rounded chloritic spots ranging from ½" to 1" also eliptical pink felspars 2" length to ½" wide				
98.2 - 151.0	TUFF same as above wtih some sections being highly siliceous and more irregular qtz.carb stringers				
	111.7-113.7 most qtz. carb stringers in this section no detectable mineral	111.7-113.7	4330	2.0	
	(one line of description cut off on the paper copy and not available for reading)				
	133.0-135.0 Alhite on contact minor sulphides	133.0-135.0	4331	2.0	
	135.0-137.0 same as above core blocking	135.0-137.0	4332	2.0	
	137.0-139.0 same as above and blocking	137.0-139.0	4333	2.0	
	139.0-141.0 same as above	139.0-141.0	4334	2.0	
	141.0-142.5 same as above	141.0-142.5	4335	1.5	
	142.5-144.5 core blocky, size of gravel - remainder of hole siliceous tuff.				
	151.0 END OF HOLE.				

COMPANY: MINES KFA	PROPERTY: Harvard				HOLE NO. D-81-17
LATITUDE: 430	BEARING: Grid N	DIP: -45°	STARTED: Oct 5/81	COMPLETED: Oct 7/81	PAGE 1 of 2
DEPARTURE: 2+10 S	V.D.	H.D.	DRILLED BY: H. Frank Diamond Drilling		DEPTH: 150'
ELEVATION:	LOCATION: 200' NE of Diamond VERT SHAFT				LOGGED BY: DFC

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Au oz/t					
0 - 12.1	Casing		1							
12.1 - 83.4	Tuff well developed foliation and grain colour generally although some lighter & darker sections minor qtz section & also chlorite (?) sections									
	28.9 - 30.0 1" wide qtz [illegible] vein 30° to CA	28.9 - 30.0	4377	1.1						
	2nd ½" wide some minor carbonate or albite no detectable min blue alteration loop dyke close by									
	33.0 - 34.5 1" wide milky qtz vein 70° to CA cpy 0.1% chl 0.1%	33.0 - 34.5	4375	1.5						
	36.0 - 37.5 tuff with clotty band at 75° to CA minor py	36.0 - 37.0	4324	1.0						
	47.0 - 49.0 calcite qtz section brecciated py 0.7% cpy 0.2% chl 0.5%	47.0 - 49.0	4325	2.0						
	52.9 - 55.0 irregular qtz carb veining albite no detectable min	52.9 - 55.0	4326	2.1						
	59.0 60.5 qtz breccia 70° to CA no detectable min minor tourmaline	59.0 - 60.5	4327	1.5						
	60.5 - 62.2 same as above									
	69.0 - 71.0 carb qtz section albite no detectable min	60.5 - 62.2	4328	1.7						
83.8 - 98.2	Lamprophyre dyke generally black some planes tuff appearance for short sections	69.0 - 71.0	4329	2.0						
	93.0 - 95.0 section has round to sub-rounded chloritic spots ranging from ¼" to 1" also elliptical pink feldspars 2" length + ½" wide									
98.2 - 151.0	Tuff same as above with some sections being highly siliceous + more irregular qtz carb stringers									
	111.7 - 113.7 most qtz carb stringers in this section no detectable mineral	111.7 - 113.7	4330	2.0						
122 - 142 -	[illegible]									

DUNRAINE MINES Ltd PROPERTY:

LATITUDE :	BEARING:	DIP:	STARTED:	COMPLETED:
DEPARTURE:	V.D.	H.D.	DRILLED BY:	
ELEVATION:	LOCATION:			

HOLE NO. D-81-17
PAGE 2 of 2
DEPTH: 151
LOGGED BY: RFC

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA
	133.0 - 135.0 Alkite on contact minor sulphides	133.0 - 135.0	4331	2.0	
	135.0 - 137.0 Same as above core blocky	135.0 - 137.0	4332	2.0	
	137.0 - 139.0 Same as above + blocky	137.0 - 139.0	4333	2.0	
	139.0 - 141.0 Same as above	139.0 - 141.0	4334	2.0	
	141.0 - 142.5 Same as above	141.0 - 142.5	4335	1.5	
	142.5 - 144.5 Core blocky, size of gravel remainder of hole siliceous tuff				
	151.0 END OF HOLE D-81-17				

DUNRAINE MINES Ltd — PROPERTY: DARWIN — HOLE NO: D-81-18

LATITUDE: L28W	BEARING: N60E	DIP: -45°	STARTED:	COMPLETED:
DEPARTURE: 5+30S	V.D.	H.D.	DRILLED BY: H. Funk Diamond Drilling	
ELEVATION:	LOCATION: intersect at depth and down rake story hole on ngmon vein			

PAGE 1 OF 1 — DEPTH: 152 — LOGGED BY: DG + REC

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Au oz/t
0-5.0	Casing				
5.0-12.5	Tuff good feldspar Xstals grey no mineral				
12.5-19.8	Meta Volcanics (lash) occational irregularly distributed				
	qtz carb stringer 130° hematization brick red				
	minor faulting at contact brecciation qtz carb				
	13.0-15.0 alternating qtz carb stringers no detectable	13.0-15.0	4336	2.0	
	min				
	17.5-18.0 small qtz carb stringers 45° to CA.	17.5-18.0	4337	0.5	
19.8-23.3	Tuff same as above lower contact highly altered				
	hematization extends 23.3-24.4 25.5-26.7				
23.3-32.2	Meta Volcanics same as above				
32.2-55.7	Tuff same as above some biotite				
55.7-152.0	Meta Volcanics same as above				
	58.7-60.1 Lamprophyre dyke black well rock altered				
	Vein Material at 60.1-67.1 irregular qtz carb				
	stringers qtz is sugary no small				
	60.1-62.0 irregular qtz carb stringers brecciated	60.1-62.0	4338	1.9	
	very minor sulphide py cpy; po				
	62.0-64.0 Same as above	62.0-64.0	4339	2.0	
	64.0-66.0 Same as above	64.0-66.0	4340	2.0	
	66.0-67.1 Same as above	66.0-67.1	4341	1.1	
	76.0-76.9 Same as above	76.0-76.9	4342	0.9	
	103.6-104.6 Same as above qtz stringers chl ht	103.6-104.6	4343	1.0	
	through (bedrock)				
	152.0 End of Hole				

DUNRAINE MINES LTD.	PROPERTY: DARWIN				HOLE NO: D-81-19
LATITUDE: L 16W	BEARING: Grid W	DIP: -45°	STARTED: Oct.20/81	COMPLETED: Oct.23/81	Page 3
DEPARTURE: 1+80S of #8 BL	V.D.	H.D.	DRILLED BY:		DEPTH:
ELEVATION:	LOCATION: Vein down plunger of Maada (?) Pit				LOGGED BY:

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	A/Ton ASSAY DATA
0.0 - 5.0	CASING				
5.0 -109.1	META VOLCANICS-fine grained chlorite,biotite				
	5.0-8.1 Alteration albite carbonate neg. min				
	8.1-12.1 Lamprophyre dyke				
	31.0-31.5 Core missing-probably alteration				
	76.3-77.3 qtz. breccia tourmaline neg. mineral	76.3-77.3	4344	1.0	nil
	78.5-80.0 Qtz.breccia tourmaline carb chl. minor py HW of QV	78.5-80.0	4345	1.5	.15
	80.0-80.8 QV sugary carb. py.cpy.galena	80.0-80.8	4346	0.8	.17
	80.8-82.0 FW of QV irregular qtz.carb stringers	80.8-82.0	4347	1.2	.002
	95.0-96.5 Alteration minor qv carb py min	95.0-96.5	4348	1.5	.002
	96.5-98.2 Same as above blocky	96.5-98.2	4349	1.7	nil
	105.0-106.8 qtz. carb. stringers shallow CA py. galena hematite	105.0-106.8	4350	1.8	nil
109.1	END OF HOLE				

NORANDA MINES Ltd.	PROPERTY: Dufay Hill				HOLE NO: D-81-19
LATITUDE: 1 11.W	BEARING: Grid N	DIP: -45°	STARTED: Oct 23/81	COMPLETED: Oct 23/81	PAGE 1 of 1
DEPARTURE: 1+80 S of BL	V.D.	H.D.	DRILLED BY:		DEPTH: 109.1
ELEVATION:	LOCATION: Vein down plunge of Manda Pit				LOGGED BY: N.C.+R.C

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA oz/ton
0-5	Casing				
5-109.1	Meta Volcanics fine grained chloritic, hematitic				
	5-8.1 Alteration Alkite carbonate veinlets				
	8.1-12.1 Lamprophyre dyke				
	31.0 31.5 Core missing - probably clay gouge				
	76.3-77.3 qtz breccia tourmaline veinlets	76.3-77.3	4344	1.0	NIL
	79.5-80.0 qtz breccia tourmaline carb chl minor py HW of QV	79.5-80.0	4345	1.5	.15
	80.0 80.9 QV siliceous carb py cpy galena	80.0-80.9	4346	0.9	.17
	80.9-82.2 FW of QV irregular qtz carb stringers	80.9-82.0	4347	1.2	.002
	95.0-96.5 Alteration minor qtz carb py minor	95.0-96.5	4348	1.5	.002
	96.5-98.2 Same as above blocky	96.5-98.2	4349	1.7	NIL
	105.0-106.8 qtz carb stringers shallow CA py galena hematite	105.0-106.8	4350	1.8	NIL
109.1	END OF HOLE D-81-19				

Duncaine Mines Ltd.	PROPERTY: Darwin			HOLE NO: D82-1 page 1 of 2
LATITUDE: 16+50N	BEARING: Grid W	DIP: 45°	STARTED: Dec 16/82 COMPLETED: Dec 17/82	
DEPARTURE: 1+00E	V.D.	H.D.	DRILLED BY: Poisson Drilling	DEPTH: 350'
ELEVATION:	LOCATION: To intersect projected line of intersection betw. Shear + Ser. Shear From D81-3			LOGGED BY: D Cigna

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Au/Ton
0-2	Casing.				
2-71.3	MaFic Intrusive - Diabase - green grey				
	Probable Olivine variety				
	59.7-62 - QV. Glassy occasional U.R inclusions				
	minor blebs po-cpy.				
	63.4-64.7 QV. - as above.				
	Footwall contact 50 CA.				
71.3-117.9	Felsic Volcanic - xtal TuFF - occasional				
	Lapilli size Frags - angular to subangular				
	minor disc. sulfides po-py-cpy				
	Lower contact ser alteration py-cpy	116.6-117.6	4154	1.0	.002
117.9-141.8	Felsic Intrusive - Granodiorite - Stock -				
	very siliceous, minor bio + disc. pophyry				
	123.5-125.5 MaFic vol? Ash?				
	occasional qtz carb stringers.				
141.8-145.7	MaFic Intrusive Lamp dyke 65CA.				
	Typical alt. blue wall Rock.				
145.7-167.4	Felsic Volcanic - xtal TuFF as before				
167.4-174.2	MaFic Volcanic - Ash - chloritic - as before				
174.2-182	Felsic Volcanic as before.				
182-184.8	MaFic Intrusive - Lamp dyke 70CA.				
184.8-198	Felsic Intrusive - Granodiorite - stock.				
	as before.				
	- severely Fractured - no set Fracture				
	pattern or angle.				

Dunraine Mines Ltd. PROPERTY: Darwin				HOLE NO. 082-1 page 2 of 2
LATITUDE :	BEARING:	DIP:	STARTED: COMPLETED:	
DEPARTURE:	V.D.	H.D.	DRILLED BY:	DEPTH: 350'
ELEVATION:	LOCATION:			LOGGED BY: D. Cosgrave

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Au/Ton					
	198 - 199.7 - Lamp dyke									
199.7 - 219	Felsic volcanic - Fine grained grey green									
	fairly massive - occ. Hlt. seams and	207 - 209	4155	2.0	NIL					
	qtz carb stringers - some schistosity									
	and sulfide mineral.									
219 - 223	Mafic Intrusive Lamp. dyke. 65°CA.									
223 - 229.6	Granodiorite - Stock as before.	223 - 225	4156	2.0	.002	NIL				
229.6 - 350	Darwin Shear - Felsic volcanics	232 - 234	4157	2.0	.002					
	- silicified + bxd upper contact minor sulfide	238.7 - 240	4158	1.3	NIL					
	- shear is weak at first - stronger later	240 - 241	4159	1.0	NIL					
	- minor aplite alteration - cherty seams	241 - 242.6	4160	1.6	NIL					
	- sericite + silicification - some rather	247 - 249	4161	2.0	NIL					
	well mineralized sections.	260.3 - 262	4162	1.7	.005					
	- sulfides include po - py - cpy	262 - 264	4163	2.0	.01	.005				
	234 - 238.7 - Lamp dyke	264 - 266	4164	2.0	NIL					
	259.4 - 260.3 - carbonate vein (calcite)	276 - 278	4165	2.0	NIL					
	277.5 - 280.3 - Lamp dyke	280.4 - 282	4166	1.6	NIL					
	341.3 - 345 - Lamp dyke.	282 - 284	4167	2.0	NIL					
		284 - 286	4168	2.0	.002					
		286 - 288	4169	2.0	.002					
	End of Hole	290 - 291	4170	1.0	NIL					
		327.1 - 329	4171	1.9	NIL					
		329 - 331	4172	2.0	NIL					
	- sampling incomplete	337.2 - 339.2	4173	2.0	.005	.005				
		339.2 - 341.2	4174	2.0	.005					

Pitcher Inlet Inc. — Vancouver

LATITUDE: 140W	BEARING: 271° (due W)	DIP: 40°	STARTED: Dec. 7/82	COMPLETED: Dec 8/82	HOLE NO: V82-2
DEPARTURE: 4+60N	V.D.	H.D.	DRILLED BY: Poisson Drilling		DEPTH: 95
ELEVATION:	LOCATION: Grace Vein Extension - immediatly N of Diabase Fault				LOGGED BY: D Gignac

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Au/ton
0-10	Casing.				
16-41.7	Felsic Volcanic - xtal / tuFF - minor				
	sulFides - occasional carb stringers				
	- some evidence of displacement				
	- gradual grading into Finer grained vols.				
41.7-86.0	Felsic volcanic - Fine grained grey-green	63-64	4125	1.0	NIL
	some qtz eyes and minor irregular	64-64.8	4126	0.8	NIL
	qtz carb stringers. - minor sulFides + bio.	64.8-66	4127	1.2	NIL
	64.8-71.8 - Vein Material - schistose.	66-67	4128	1.0	0.02
	qtz - carb - sericite, tourm. - bio. - chlorite	67-68	4129	1.0	0.01
	sulFides include - much Fine diss. Aspy,	68-69	4130	1.0	0.22
	minor py - cpy - po	69-70	4131	1.0	0.17
	67.5-68.7 - 9.V. - Aspy. ser.	70-71	4132	1.0	0.14
	69.8-70.4 - 9V - Aspy. ser	71-71.8	4133	0.8	0.01
80.6-95.0	Felsic volcanics - xtal TuFF (as before)	71.5-73	4134	1.2	0.005
	End of hole.				

Dankoe Mines Ltd.

LATITUDE: L40W	BEARING: 271° (due W)	DIP: 70°	STARTED: Dec 8/82	COMPLETED: Dec 8/82
DEPARTURE: 4+60N	V.D.	H.D.	DRILLED BY: Poisson Drilling.	DEPTH: 138
ELEVATION:	LOCATION: Grace Vein Extension - immediately N of diabase Fault.			LOGGED BY: DGignac

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Au/ton
0 - 12	Casing.				
12 - 84.5	Felsic Volcanics - XTal TuFF - some qtz eyes minor sulFides.				
	grades into Finer grained volcanic				
	- two minor altered secondary qtz's - barren (at 22 and 23 Ft.) (0.2' each)				
84.5 - 138	Felsic Volcanic. Fine grained grey - blue				
	- numerous irregular qtz carb stringers.				
	- becomes very Fractured From 104 to 114.4.				
	- Fractures have no set orientation.				
	- some evidence oF movement.				
	114.4 - 122.5 - Lamp dyke - Hangingwall contact 70CA Foot wall at 45CA.				
	122.5 - 138 - Fine grained volcanics some chloritic phases	122.5 - 123.5	4135	1.0	.002
		123.5 - 124.5	4136	1.0	.002
	122.5 - 125.5 - qtz carb vein material py - po - bio - chlorite blobs.	124.5 - 125.5	4137	1.0	.002
	End oF hole.				

Duncraine Mines Ltd. PROPERTY: Darwin				HOLE NO. D82-4
LATITUDE: L40W	BEARING: 250°	DIP: 40°	STARTED: Dec 10/82 COMPLETED: Dec 10/82	
DEPARTURE: 5+30N	V.D.	H.D.	DRILLED BY: Poisson Drilling.	DEPTH: 119'
ELEVATION:	LOCATION: 30' Soft pit on N dipping QV. + trace extension.			LOGGED BY: D. Gignac

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Au/T.
0 - 13	Casing.				
13 - 31	Felsic volcanic - xtal TuFF.				
	• occasional weathered seams to 18.3'				
	- biotite rich sections.				
	- grades into volcanics - Finer grained				
31 - 119	Felsic volcanics - Fine grained - some				
	- chloritic phases				
	- occasional qtz carb stringers 45CA.				
	85 - 93 - very brittle + Fractured.	94 - 95	4138	1.0	.22
	- Fractures no set orientation	95 - 96	4139	1.0	.01
	- slips occasionally mineralized	96 - 97	4140	1.0	.28
	with chlorite	97 - 98	4141	1.0	.53
	- probably Fault block.	98 - 99	4142	1.0	.03
	95 - 101 - Vein Material 70CA	99 - 100	4143	1.0	.002
	- schistose qtz carb stringers	100 - 101	4144	1.0	.005
	- sericite, bio - py - apy - Fine mspy.	101 - 102	4145	1.0	.005
	102 - 119 - Volcanics - brittle + Fract. As				
	above.				
	End of Hole				

Dunraine Mines Ltd. PROPERTY: Darwin				HOLE NO. DZ-5-
LATITUDE: L40W	BEARING: 250°	DIP: 55°	STARTED: Dec 11/82 COMPLETED: Dec 11/82	
DEPARTURE: 5+30N	V.D.	H.D.	DRILLED BY: Poisson Drilling	DEPTH: 139'
ELEVATION:	LOCATION: 301 SoF pit on N dipping Qv and Braco Extension.			LOGGED BY: DWignall

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Oz Au/T
0 - 4	CASing				
4 - 19.1	Felsic Volcanic - xtal TuFF.				
19.1 - 109.2	Felsic volcanic - Fine grained grey green				
	-chloritic phases				
	-occasional qtz carb stringers +				
	veinlets - sulFide barren.				
	58-61 Qv - Vitreous - neg sulFides.				
	-minor chloritic inclusions				
	58-85 CA.				
	63 - 0.1 blob pyrrotite - minor cpy				
	in glassy qtz stringer				
	102-109.2 - Vein material	101 - 102	4146		.002
	-schistose bio-py-cpy ser.	102 - 103	4147		NIL
	107-109.2 - minor Aspy	103 - 104	4148		.002
		104 - 105	4149		.005
		105 - 106	4150		.002
		106 - 107	4151		.002
		107 - 108	4152		.002
		108 - 109.2	4153		.005
109.2-139	Diabase - qtz variety				
	- occasional Lamprophyre.				

Duncaine Mines Ltd. PROPERTY: Darwin

LATITUDE: L40W 180' E of L	BEARING: 280°	DIP: 40°	STARTED: Dec 14/82 COMPLETED: Dec 14/82	HOLE NO. 082-6 page 1 of 1
DEPARTURE: 7N	V.D.	H.D.	DRILLED BY: Poisson Drilling	DEPTH: 129
ELEVATION:	LOCATION: 1+30 E of T North - Skunky Dog Showing			LOGGED BY: DGaspar

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Au/oz
0-12	Casing.				
12-21.9	Felsic Volcanics - xtal TuFF				
	Fairly massive - minor diss. sulFides				
21.9-42	MaFic Intrusive - Diabase - blue grey				
	gtz variety.				
42-105	Felsic Volcanics - xtal TuFF as				
	before				
	- becoming Finer grained grey-green				
105-129	Felsic Volcanics - Fine grained.				
	minor sulFides + biotite blotches				
	- No Evidence of shear or vein				
	- No Evidence of Assy mins.				
	End of Hole.				

LATITUDE: L	BEARING: Grid W	DIP: 45°	STARTED: Dec 18/82	COMPLETED: Dec 23/82
DEPARTURE: 0+10E	V.D.	H.D.	DRILLED BY: Poisson Drilling	DEPTH: 285
ELEVATION:	LOCATION: Darwin Shear. to intersect possible Au zone in Shear.			LOGGED BY: D Gignac

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Au/Em.					
0.- 15	Casing.									
15- 19.1	Lamp dyke							-		
19.1-64.5	Granodiorite - Stock - Fairly massive									
	-occasional qtz carb stringers									
	-some Aplitic Altered seams									
64.5-73.1	MaFic Volcanics - chloritic - Ash -									
	minor irregular carb stringers									
73.1-77.4	Granodiorite - As before									
77.4-86.1	Felsic volcanics - TuFFs - biotite blebs									
	and minor py min									
86.1-87-	MaFic vols - Ash?									
	87- 87.5 - Lamp dyke.									
87.5-119.7	Felsic volcanics - vtal TuFF. - ~~Felsp~~									
	Feldspar + biotite rich - numerous irregular									
	qtz-carb stringers - minor py min.									
	- Aplitic Alteration near old grey dyke.									
	90.7 - 93.7 - dyke grey - cemented									
	Fault gouge?									
	- lower volcanic contact severely									
	Altered blue by lamp intrusion.									
	119.7 - 125 - Lamp dyke.									
125-134.7	MaFic vols - as before.									
	129 - 131.4 Lamp dyke.									
134.7-143.7	Felsic Volcanics - Fine grained - minor									
	sulfides - becoming coarser at lower									

LATITUDE:	BEARING:	DIP:	STARTED:	COMPLETED:	HOLE NO: DDH 1
DEPARTURE:	V.D.	H.D.	DRILLED BY:		DEPTH:
ELEVATION:	LOCATION:				LOGGED BY:

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Au/ton	Ag/ton
	contact - grading into mafic vols.					
143.7-148.1	Mafic volcanics - as before -					
148.1 - 194.1	Felsic Volcanics - Fine grained					
	- numerous irregular qtz carb stringers at 70C.A.					
	- 165.4 - 166 - Aplitic Alteration					
	- 173.7 - 175.5 - Aplitic Alteration - vuggy some py					
	- 189.2 - 189.6 - carb vein - neg sulfides.					
194 - 281.7	Darwin Shear - sheared contacted volcanics, chlorite ± sericite schist.	194 - 195	2601	1.0	NIL	
	qtz carb stringers - some cherty seams	195 - 197	2602	2.0	NIL	
	Fairly well mineralized sections.	197 - 199	2603	2.0	NIL	
	- sulfides = py - Fine ? Aspy - minor cpy	199 - 201	2604	2.0	NIL	NIL
	- tourmaline also evident. as is biotite.	201 - 203	2605	2.0	NIL	
	- 250.4 - 252.7 - Lamp dyke.	203 - 205	2606	2.0	NIL	
	- wing samples possible in Footwall.	205 - 207	2607	2.0	NIL	
		207 - 209	2608	2.0	NIL	
		209 - 211	2609	2.0	NIL	
		211 - 213	2610	2.0	NIL	
		213 - 215	2611	2.0	NIL	
		215 - 217	2612	2.0	NIL	
		217 - 218	2613	1.0	NIL	
		218 - 220	2614	2	.005	.002
		220 - 222	2615	2.0	NIL	
		222 - 224	2616	2.0	NIL	

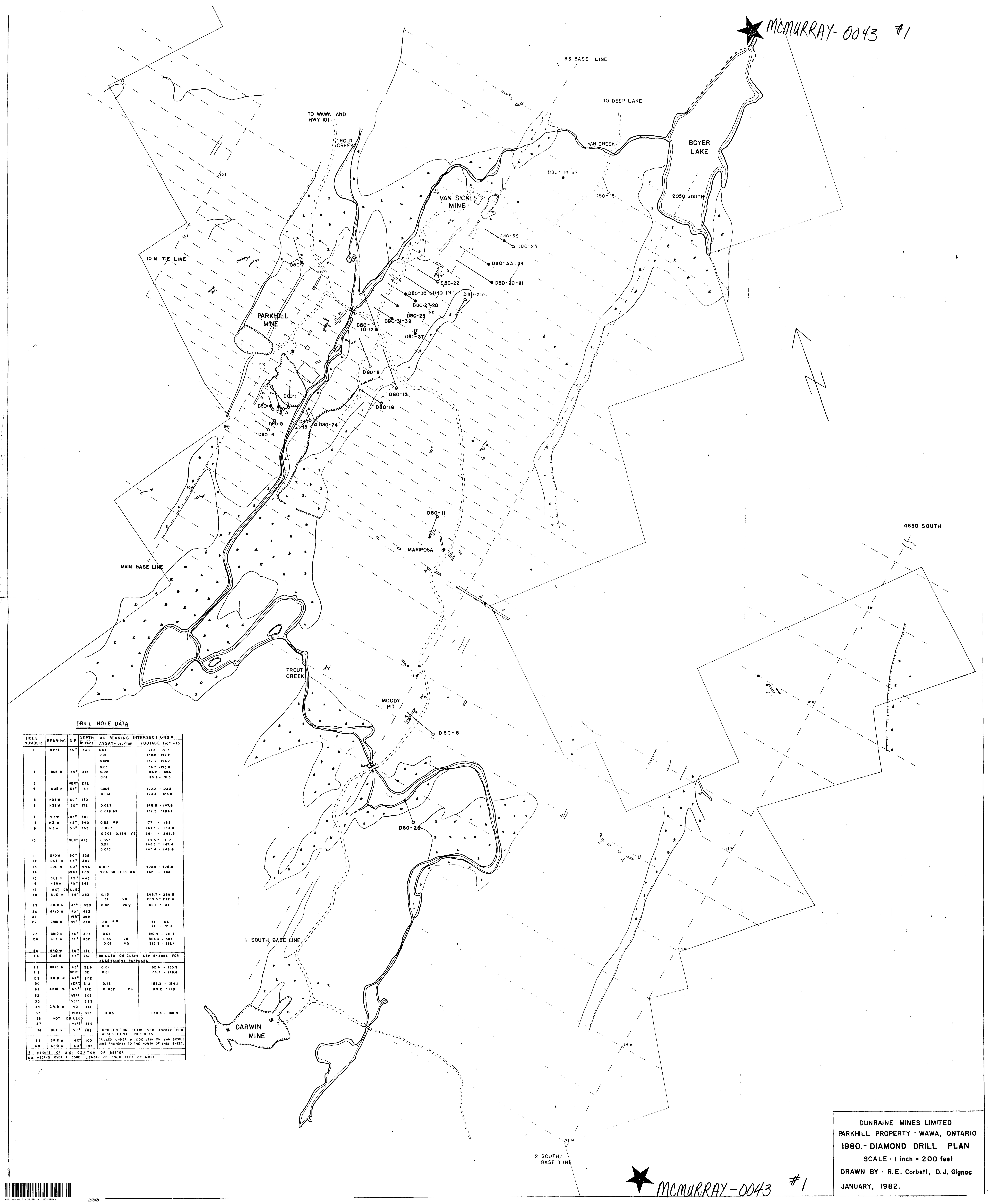
LATITUDE :	BEARING:	DIP:	STARTED: COMPLETED:	#3 of 3
DEPARTURE:	V.D.	H.D.	DRILLED BY:	DEPTH:
ELEVATION:	LOCATION:			LOGGED BY:

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA Au/ton.					
	Darwin Shear - Sampling continued -	224-226	2617	2.0	NIL					
		226-228	2618	2.0	NIL					
		228-230	2619	2.0	NIL					
		230-232	2620	2.0	NIL					
		232-234	2621	2.0	NIL					
		234-236	2622	2.0	NIL					
		236-238	2623	2.0	NIL					
		238-240	2624	2.0	NIL					
		240-242	2625	2.0	NIL					
		242-245	2626	3.0	NIL					
		245-246	2627	1.0	NIL					
		246-248	2628	2.0	NIL					
		248-250.4	2629	2.4	NIL					
		252.7-255	2630	2.3	.002					
		255-257	2631	2.0	.002					
		257-258	2632	1.0	NIL					
		258-260	2633	2.0	NIL					
		260-262	2634	2.0	.03	.03				
		262-264	2635	2.0	.002					
		277.5-279	2636	1.5	NIL					
				16.4						
	End of Hole									

Quinsam Mines Ltd. Vancouver

LATITUDE: 34+40W	BEARING: 90°(due E)	DIP: 40°	STARTED: Dec 2/82 COMPLETED: Dec 3/82	HOLE NO. 82-6
DEPARTURE: 2+30S	V.D.	H.D.	DRILLED BY: Poisson Drilling.	DEPTH: 92
ELEVATION:	LOCATION: Hayne Vein -			LOGGED BY: D. Lignac

FOOTAGE		SAMPLE FOOTAGES	SAMPLE No.	WIDTH FT.	ASSAY DATA
0-12	Casing.				
12-26.5	Felsic Volcanic xtal TuFF - some minor po-py-cpy - minor sericite.				
26.5-31.0	Lamp dyke. ZOCA.				
31.0-92	Felsic volcanic - fine grained grey-green - some chloritic phases - possible Hsh. - occasional barren irregular qtz carb stringers - minor sulfides py-cpy bio.				
	End of Hole.				



DRILL HOLE DATA

HOLE NUMBER	BEARING	DIP	DEPTH in feet	AU BEARING INTERSECTIONS * ASSAY - oz./ton	FOOTAGE from - to
1	N23E	55°	330	0.011	71.2 - 71.7
				0.01	149.9 - 152.2
				0.025	152.2 - 154.7
				0.03	154.7 - 155.8
2	DUE N	45°	215	0.02	88.9 - 89.6
				0.01	89.6 - 91.5
3		VERT.	222		
4	DUE N	53°	152	0.064	122.2 - 123.3
				0.031	123.3 - 125.8
5	N38W	50°	170		
6	N36W	50°	172	0.029	146.5 - 147.6
				0.019 **	152.5 - 158.1
7	N3W	55°	301		
8	N31W	45°	340	0.02 **	177 - 182
9	N3W	50°	353	0.067	163.7 - 164.4
				0.302 - 0.199 VG	261 - 262.3
10		VERT.	413	0.057	10.5 - 11.7
				0.01	146.3 - 147.4
				0.013	147.4 - 148.8
11	S40W	50°	255		
12	DUE N	45°	392		
13	DUE N	50°	446	0.017	403.9 - 405.9
14		VERT.	405	0.06 OR LESS **	162 - 168
15	DUE N	75°	445		
16	N38W	45°	262		
17	NOT DRILLED				
18	DUE N	75°	283	0.13	268.7 - 269.5
				1.31 VG	269.5 - 272.4
19	GRID N	45°	323	0.02 VG ?	186.1 - 188
20	GRID N	45°	423		
21		VERT.	269		
22	GRID N	45°	240	0.01 **	61 - 66
				0.01	71 - 72.2
23	GRID N	50°	373	0.01	210.4 - 211.2
24	DUE N	75°	332	0.33 VG	306.3 - 307
				0.07 VG	315.9 - 316.4
25	GRID W	45°	181		
26	DUE N	45°	237	DRILLED ON CLAIM SSM 542856 FOR ASSESSMENT PURPOSES.	
27	GRID N	45°	229	0.01	152.6 - 153.9
28		VERT.	321	0.01	175.7 - 178.8
29	GRID N	45°	202		
30		VERT.	312	0.12	152.2 - 154.1
31	GRID N	45°	212	0.082 VG	109.2 - 110
32		VERT.	302		
33		VERT.	363		
34	GRID N	40	312		
35		VERT.	353	0.05	185.8 - 186.4
36	NOT DRILLED				
37		VERT.	559		
38	DUE N	50°	182	DRILLED ON CLAIM SSM 407822 FOR ASSESSMENT PURPOSES.	
39	GRID W	40°	100	DRILLED UNDER WILCOX VEIN ON VAN SICKLE MINE PROPERTY TO THE NORTH OF THIS SHEET	
40	GRID W	60°	105		

* ASSAYS OF 0.01 OZ/TON OR BETTER
** ASSAYS OVER A CORE LENGTH OF FOUR FEET OR MORE

DUNRAINE MINES LIMITED
PARKHILL PROPERTY - WAWA, ONTARIO
1980.- DIAMOND DRILL PLAN
SCALE : 1 inch = 200 feet
DRAWN BY : R.E. Corbett, D.J. Gignac
JANUARY, 1982.

DRILL HOLE DATA

HOLE NUMBER	BEARING	DIP	DEPTH IN FEET	AU BEARING INTERSECTIONS* ASSAY oz/ton	FOOTAGE from - to
1	GRID W	45°	275	0.08	232.7 - 233.6
2	GRID W	45°	354	1.02 - VG	177.7 - 178.2
				0.10	185.0 - 186.5
				0.06	267.1 - 268.0
3	GRID W	45°	321	0.05	57.3 - 57.9
4	GRID W	70°	276	0.03	155.3 - 156.5
				0.03	230.0 - 231.0
				0.45 - VG	245.0 - 246.8
5	GRID W	45°	314		
6	GRID W	45°	324		
7	GRID W	62°	316		
8	GRID W	82°	292	0.03	250.0 - 251.0
				0.03	251.0 - 252.3
				0.461 - VG	252.3 - 254.4
9	GRID W	61°	344		
10	GRID W	60°	308		
11	GRID W	60°	244	0.10	160.7 - 162.0
12	GRID W	60°	274		
13	GRID W	60°	245		
14	DUE N	50°	101	0.08 OR LESS - VG	42.0 43.0
15	DUE N	50°	100		
16	GRID W	70°	296		
17	GRID N	48°	150		
18	N60E	45°	152	0.015	60.1 - 66.0
19	GRID N	45°	109	0.15	78.5 - 80.0
				0.17	80.0 - 80.8
20		VERT	125.7	DRILLED ON CLAIM SSM 581886 FOR ASSESSMENT PURPOSES.	

* ASSAYS OF 0.03 OZ./TON OR BETTER ON SHEAR ZONE ONLY.

DUNRAINE MINES LIMITED
DARWIN PROPERTY - WAWA, ONTARIO
1981 - DIAMOND DRILL PLAN
SCALE: 1 inch = 200 feet
DRAWN BY : R. Corbett, D. Gignac