DIAMOND DRILL RECORD

842127

PROPERTY HEATHER HOLE No. DDH8401

DIP TEST		
	Angle	
	Reading	Corrected
110.95		-43.25°

SUMMARY LOG (PART OF APPENDIX 5)

Hole No. DDH8401 Sheet No. 1 of 3 Lat.
Section Dep.
Date Begun Coring: Oct 16, 1984 Bearing 201°(-45°)
Date Finished Coring: Oct 19, 1984 Elev. Collar 520m approx.

Total Depth 110.95
Logged By Eric D. Titley
Claim
Core Size NQ

SEE ATTACHED GEOFORM FOR DETAIL LOGS

DEPTH (m)	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
0-7.62	TRICONED. No core recovered						
7.62-58.52	PHYLLITIC TUFF. Medium grey green, sheared (from 30 to 70° to long core axis), chloritic. 2.5% fine grained patchy pyrite dissem. and as stringers in the tuff and in c.gr. milky white qtz. vns. 5% qtz. veins, stringers and eyes (?) some aligned parallel to shearing. Strongly sheared from 7.62 to 18.0m. Local concentrations of up to 5% py. Weak (original?) banding (at 15°) locally. Weak bleaching locally. Qtz. vn. with ankerite (?), chlorite (?) and py from 26.2 to 27.5m. Folded texture from 32.61 to 40.0m. Probably at least two phases of Qtz. Ank. vn. .03% Ank. vns., .03% clay gouge, 1% hematite vns., .3% limonite, trace of pyrolusite.						

DIAMOND DRILL RECORD

PROPERTY HEATHER HOLE No. DDH8401

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. Sheet No. 2 of 3 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH (m)	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
7.62-58.52							
(cont'd)	46.94-54.25 strongly fractured and sheared (from 10-40°) zone. 1% lim. 54.25-55.78 Zone with interbedded grey green tuff, light grey to white chert and rare purple tuff. 5% dissem. py. 55.78-5825 Tuff with cherty layers similar to 54.25 to 55.78M, but with 2.5% brown limonitic patches.						
58.52-110.95	TUFF. Grey green, chloritic, similar to 7.62 to 58.52m, but not as strongly sheared. A few medium-grained patches. A few sections of disrupted bedding with minor cherty mat'l. Several zones of tightly folded beds and vns. Some strongly sheared zones (angles vary). 2.5% py. occurs as above. Chalcopyrite is dissem. in tuff and as patches in some Q.V. Occassional wispy tan sericite (?).						

DIAMOND DRILL RECORD

PROPERTY HEATHER HOLE No. DDH8401

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. Sheet No. 3 of 3 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH (m)	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
58.52-110.95							
(cont'd)	Rare purple tuff. A few limonitic						
	sheared zones. Some green grey						
	sections, may be partly greywacke.						
	Rare possible traces of scorodite.						
	5% Q.V., Trace Ank. Vn., Rare gouge,						
	Trace fuchsite, .3% hem. vns., .1%						
	limonite, Trace pyrolusite.						
	59.50 Trace of bright yellow stain (jarosite?)						
	64.55-65.2 Limonitic, sh'd.						
	71.7-72.1 5% Py.						
	75.35-77.5 A few limonitic sh'd zones.						
	97.00- 110.95 1% calcite veins.						
110.95	END OF HOLE.						

DIAMOND DRILL RECORD

PROPERTY HEATHER HOLE No. DDH8402

DIP TEST		
	Angle	
	Reading	Corrected
109.73		-56.0°
227.07		-46.0°

SUMMARY LOG (PART OF APPENDIX V)

Hole No. Sheet No. 1 of 9 Lat. Total Depth 227.08m

Section DDH8401 Dep. Logged By Eric D. Titley

Date Begun Coring: Oct 20, 1984 Bearing 201° (-60°) Claim

Date Finished Coring: Oct 27, 1984 Elev. Collar 1520m approx. Core Size HQ- 76.20 NQ-227.08

SEE ATTACHED GEOFORM FOR DETAIL LOGS

DEPTH (m)	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
0- 6.10	TRICONED. No core recovered.						
6.10-16.46	TUFF. Medium grey green, phyllitic, chloritic						
	weakly to mod'ly sh'd(20 to 70°)						
	At least two generations of Qtz.						
	Ank.(?) Vns. Earlier vns. are folded						
	cut by later non-folded vns, some						
	of which are parallel to shearing.						
	1% Py. occurs as f.gr. dissem. and						
	patchy conc., locally up to 5% in						
	narrow zones. Py. also occurs in						
	Q.A.V. .03% Ccpy with py. in Q.A.V.						
	with tr. of wispy sericite (?) and poss.						
	jarosite from 12.19 to 13.20.						
	1% Q.V., Trace Ankerite vns., .1% gouge						
	.3% hem., .3% lim.						
16.46-30.80	PHYLLITIC TUFF. Medium grey green, strongly						
	sheared (from 10 to 50°). Several irregular						
	gouge-filled fctrs. Some possible						
	chert. Weakly bleached appearance on						

DIAMOND DRILL RECORD

PROPERTY HEATHER HOLE No. DDH 8402

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. Sheet No. 2 of 9 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
16.46-30.80	some fctrs. Tr. of wispy tan sericite.						
	Gouge also noted at 21.4, 23.0 to 24m.						
	16.46-17.68 FAULT Fragments of phyllitic						
	tuff in 20 % pale green gouge in						
	zone of poor recovery.						
30.80-55.60	PHYLLITIC TUFF. Medium to dark green phyllitic tuff.						
	10% Q.V. 0.1% C.V., Rare hem. 2.5% dissem. py. Trace						
	ccpy Rare lim. .3% fine sulphides. Strongly sheared						
	sections and a few folded Q.V. cut by non-folded vns.						
	parallel to sh. from 30.80 to 35.55m. Tightly folded						
	tuff with fragmented Q.V. and fine, dark grey milled						
	fine sulphides from 35.55 to 37.8m. Possible bleaching						
	and minor tan sericite.Malachite stain at 34.5m.						
	37.3 to 55.60m Strongly sheared predominantly at 60°,						
	locally tightly folded. Abundant quartz. (Ankerite?)						
	veins occuring parallel to shearing and in folds and as						
	fragmented veins. Up to 20% quartz in some sections.						
	Minor possible chert from 38.1 to 39.62m. Some zones of						
	milled dark grey fine sulphides.						

DIAMOND DRILL RECORD

PROPERTY HEATHER HOLE No. DDH8402

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. Sheet No. 3 of 9 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
55.60- 70.71	PURPLE TUFF.						
	Purple black and dark green tuff. Strongly sheared.						
	Locally tightly folded. Pervasively chloritic. No						
	sulphides noted. Quartz and quartz-calcite veins occur						
	as folded veins, Veins in shear planes and fragmented						
	veins. Possible silty sediment in part.						
	5% Q.V., 1% C.V. .3% seric.						
	.1% hem. .1% clay gouge .3% lim.						
	65.53 - 70.71 2.5% Q.V. 2.5% C.V.						
	Mixed quartz and calcite veins. 66.5 to 66.6. Strongly						
	fractured zone with 10% clay gouge.						
70.71- 72.76	TUFF. 10% Q.V. 1% C.V. 1% Py. .03% CPY.						
	Dark green, chloritic tuff sheared at low angles (10 to						
	40°). Quartz veins as in 55.60 to 70.71m above, but						
	with network of fine clacite veinlets in some veins with						
	shattered appearance. 8cm wide quartz vein from 72.70 to 73.05m.						
73.76- 84.22	PURPLE TUFF 1% Q.V. 5% C.V. .3% hem. .03% Py.						
	Purple black to dark green tuff. Strongly sheared and						
	folded with abundant calcite and calcite quartz veins						
	parallel to shearing (10 to 30°) and irregularly folded						
	and fragmented. Minor cherty layers from 73.76 to						

DIAMOND DRILL RECORD

PROPERTY HEATHER HOLE No. DDH8402

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. Sheet No. 4 of 9 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
73.76 -84.22	75.29m. Occassional wispy tan sericitic patches notably						
(cont'd)	from 76.20 to 77.72m. Minor zones of calcite stockwork.						
	A few possibly argillaceous layers, some possibly folded						
	calcareous layers.						
84.22- 99.15	TUFF 2.5% Q.V. 2.5% C.V. .3% seric.						
	1% epidote patches. 2.5% hem.						
	Medium green, predominantly coarse ash tuff. Massive						
	texture, with some scattered shearing. A few dark						
	maroon hematitic patches or layers in sheared sections,						
	and hematitic veinlets. Patches of pistachio green						
	epidote. Quartz calcite veins are locally weakly folded.						
	Quartz commonly has shattered appearance, no sulphides noted.						
99.15- 167.20	PURPLE TUFF. 2.5% Q.V. 2.5% C.V. .3% epidote 5% pervasive						
	hematite.						
	Dark maroon purple tuff with dark green choritic interbeds.						
	Strongly sheared (from 30 to 60^{0}) and locally tightly						
	folded. Irregular patches of epidote from 99.15 to 100.50 m.						
	Quartz calcite veins occur parallel to shearing. Some						
	fragmented and some folded. No sulphides, except where						
	noted. Dark red, strongly hematitic zone of brecciated						
	quartz and calcite veins from 113.9 to 114.2m, 120.75 to						

DIAMOND DRILL RECORD

PROPERTY HEATHER HOLE No. DDH8402

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. Sheet No. 5 of 9 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	121.95m. Traces of wispy yellow sericite in some quartz						
	veins.						
	118.70- 119.70 .3% Py. dissem.						
	Zone of strongly sheared and folded chloritic green and						
	purple tuff with patchy pyrite disseminated in the tuff						
	and in some quartz-calcite veins. 1% yellow wispy						
	sericite (?) in the tuff.						
	138.85 - 139.80 5% Q.V. 1% C.V. 1% fuchsite						
	blebs. .3% dissem. Py.						
	Medium green tuff. 1% disseminated. Dark red blebs of						
	hematite (after pyrite?). Rare purple tuff.						
	141.30 - 142.00 .1% dissem. py. 1% hem.						
	similar to 138.85 to 139.80m.						
	146.70-147.50 .1% dissem. py .1% hem.						
	Similar to 138.85 to 139.80m. Pale yellow wispy patches						
	of sericite (?). Irregular dark green chloritic veinlets.						
	159.20 - 162.75 5% Q.V. 1% clay gouge						
	narrow shear zones with grey and green gouge at low						
	angles to core axis						
	162.75 - 167.20 2.5% Q.V. 5% C.V. .03% dissem. Py Tr. ccpy.						
	Dark maroon purple tuff with 5% grey Siliceous patches						

DIAMOND DRILL RECORD

PROPERTY HEATHER HOLE No. DDH8402

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. Sheet No. 6 of 9 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	(possibly chert). Common irregular calcite veins and veinlets occur in tuff, quartz veins, siliceous patches, sometimes forming a stockwork. Dark green chloritic material occurs as interbeds (with .03% pyrite) and in veins and siliceous patches. Wispy tan and yellow sericite (?) occurs throughout. Sharp lower contact at 35°. Trace of chalcopyrite on chlorite.						
167.20- 186.10	TUFF. 5% Q.V. .3% C.V. .1% A.V. .1% dissem. py. Medium to dark green, weakly sheared to massive tuff. 1% fine grained disseminated and patchy pyrite, local concentrations up to 5%. Some pyrite occurs with wispy tan sericite (?) and chlorite on the margins of quartz -(ankerite?) veins. Quartz-(ankerite?) veins are predominantly parallel to shearing, less commonly folded or fragmented. Pyrite and sericite (?). Appear to occur on margins of folded or fragmented veins where associated with veining. Calcite veins are irregular, abundant at upper contact, diminishing away from contact. Minor possible cherty zone from 174.8 to 175.45m.						

DIAMOND DRILL RECORD

PROPERTY HEATHER HOLE No. DDH8402

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. Sheet No. 7 of 9 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	167.20-171.00 Banded at 30° Tr. Ccpy.						
	Green tuff with pyrite as in main unit, but with						
	interbedded purple maroon tuff from 169.47 to 169.80m						
	and in minor amounts to 171.00m. .03% chalcopyrite in						
	quartz calcite veins around 170.54m. Banded texture in						
	green tuff at upper contact.						
186.10- 195.65	TUFF 5% Q.V. 1% C.V. 2.5% hem. .1% dissem. Py.						
	Interbedded dark green chloritic tuff and dark purple						
	maroon hematitic tuff. Moderately to strongly sheared						
	texture, locally tightly folded. Green tuff has ankeritic						
	amygdules? and rare grey quartz eyes from 187.05 to						
	187.35m. 5% grey cherty tuff. tan and yellow patches						
	of wispy sericite(?). Quartz-calcite ankerite veins are						
	commonly folded and fragmented and also parallel to shear						
	plane. Fine pyrite is disseminated and on chloritic						
	shear planes and in some veins, local concentrations of						
	1%. Chert mainly at upper contact and from 189.85 to						
	191.3m.						

DIAMOND DRILL RECORD

PROPERTY HEATHER HOLE No. DDH8402

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. Sheet No. 8 of 9 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
195.65-197.85	FAULT ZONE 30% chlorite. 2.5% clay gouge. .1% Q.V.						
	.3% C.V. 10% ank(?) Vn. fgms. .1% dissem py.						
	Fault zone of very strongly sheared, folded, bleached						
	tuff. Rock is now predominantly green chloritic sheets						
	and patches and light grey clay-altered tuff with						
	pervasively brecciated white ankerite (?) vein fragments						
	and possible carbonatized tuff. 1% of a very fine, dark,						
	green chlorite in scattered patches. Light grey to						
	white gouge occurs in narrow seams from 196.25 to 196.45m.						
197.85-207.00	TUFF. 5% Q.V. .3% dissem. py.						
	Medium green tuff. Moderately to strongly sheared with						
	some fairly massive sections. Some probable original						
	bedding may be parallel to shearing. Becoming less						
	sheared and veined away from fault zone. Local tight						
	folding, notably from 199.49 to 200.00m.						
209.00-227.08	TUFF. .3% Q.V. 5% C.V. .1% dissem Py.						
	Trace ccpy. Sheared at 60°.						
	Light green tuff with 20% pale tan green chert (?).						
	Texture is tightly folded to brecciated. Pyrite is						
	disseminated and in fine cross-cutting calcite veinlets.						
	.3% patches of pistachio green epidote.						

DIAMOND DRILL RECORD

PROPERTY HEATHER HOLE No. DDH8402

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. Sheet No. 9 of 9 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
209.00- 227.08	TUFF .3% Q.V. 5% C.V. .1% dissem. py. Tr: ccpy. sheared at 60°. Light to dark green to grey green tuff. Moderately sheared with calcite and calcite quartz veins commonly parallel to shear plane, and few cross-cutting. Pyrite occurs as disseminations (with local concentrations of up to 2.5%), and in calcite quartz veinlets. A few tan sericitic patches. Grey green sections have vaguely sedimentary appearance. A few cherty patches from 220.65 to 222.8m. 2.5% disseminated pyrite around 222.5m. 219.50-220.65 1% Q.V. 2.5% C.V. rare dissem. py. light green massive, intrusive - looking tuff with a cherty patch.						
227.08	END OF HOLE						