

DDH 04 - 01

Time '04 Depth (m) Orientation

7 PM 15' 4.6 Standpipe set

(No night shift)

8 PM 66' 20.1 Bad ground

9 AM 80' 24.4 V broken

PM 167' 50.9 '93' S^t Horiz

10 AM 223' 68 167' (has broken)

227' foliated sl, qtz - f - Co²⁺ vein 135/190

PM 289' 88.1

267' $\frac{140}{180}$ Good drilling, but change

11 AM 385' 117.4

314' F¹ 270/5-10, qtz - f - 135/190

364' foliated sl, dia 100/96-80 Fair drilling 'lots of qtz'

PM 421' 128.3

V broken from 400'

12 AM 462' 140.8 457'

V broken & chazey. Better last 10'

PM 569' 477'

537'

13 AM 570'

yellow clayey, sandy
One barrel blocked in gauge (syncing)
more retrieved barrel
during AM 13/6
clay

PM 602'

14 AM 664' 627'

Done soft. last 30' is shut down
rk.

PM 687' 604

Kid Take Survey

Depth Dip Corrected Dip

250' (76.2m) - 66° - 60°

450' (137.2m) - 70° - 65°

686' (209.1m) - 71° - 66°

CORE LOGGING LEGEND (GRAPHICAL)

Lithology



Foliated gtz-muscovite schist with gtz/feldspar layers of possible porphyry origin



Contorted foliated gtz-sericite schist - frequent gtz augen foliation
remained by coarse sericite
actinolite & graphite
biotite

A
b



Chlorite schist



Metamorphic ('bull') gtz



Gneiss (sheared & lithified)



Pink brown gtz-sericite-gtz schist



Gouge, shear, fracture zones

diabase dykes

Alteration

hematite clay \pm gtz veinlets

hematite spotting (after S=)

silicification (pervasive)

calcification (pervasive)

g = graphite-pyrite

sericite

litho unit

sub unit

unconformity

gradational contact

Mineralisation?

hematite clay \pm gtz veinlets

clay \pm gtz veinlets

clay \pm calcite veinlets

Schl. chlorite \pm gtz veinlets

py arsenopyrite

ap arsenopyrite

HOLE No. DDH.04-01

SHEET 1 of 1

LOGGED BY R. Aderson

DATE 16 JUNE '04

1/2-calc-pyrox (S²) (limonite) broken core

silicification (perovskite)

limonite spotting (after S²)

Depth Scale 1:100	DEPTH (m)	RECOV. %	RQD	SAMPLE No.	ASSAYS		LITHOLOGY	STRUCTURE	ALTIN	MINERALIN	OXIDATION	GEOLOGY NOTES	SUMMARY
					PPM								
					Au	As							
	1											COLLAPSED 7 JUNE 2004 E. CARSON DIAMOND DRILLING M. McLean / R. Buffard	
	2												
	3												
	4											STARTING CORE	
	5											Volcanic qtz-(muscovite) schist - qtz/feld eyes	
	6												
Box 1	7			396001	0.011	93				mod		8-2: lin v'letted-br equant FeOx pseudo-rare fg. S ² cres? asps) 40 CX	
	8									do			
	9			396002	0.019	151				strong oxide		9-0-9-4: 4X lin-q-clay veinlets 40 CX	
	10									(MnO ₂)		10-0: MnO ₂ dendrites adj lin v'let	
	11			396003	0.017	192						11-0: 5mm lin-clay-q v'let 40 CX	
Box 2	12			396004								prob. not veining qtz-calc (clay) veinlets	
	13				0.023	254						S1 35 CX Veinlets 30 CX, ± S1	
	14												
	15			396005	0.021	186						Volcanic qtz-(muscovite) schist - qtz/feld eyes	
	16												
Box 3	17			396006	0.031	180							
	18										strong oxide		
	19			396007	0.030	168					(MnO ₂)		
	20												

Volcanic qtz/feld eye schist, minor muscovite

perovskite

Qtz(augen)-actinolite schist

HOLE No. DDH.04-01

SHEET 2 of 11

LOGGED BY RPH

DATE 14 June '04

DEPTH (m)	RECOV. %	RCD	SAMPLE No.	ASSAYS		LITHOLOGY	STRUCTURE	ALT N	MINERAL N	GEOLOGY NOTES	SUMMARY
				Au							
21	v. poor rec		396/127						py	Foliated 'eye' schist Sericitic 'sugary' gtzite - dis py	
22			396/128						py		
23			396/129						py	20cm band of old schist, dk brown micaceous porphyroblasts. 22.8 - 23.01	
24									py		
25									py	sericitic (greenish) schist, some gtz	
26			396/130						py		
27			396/131						py	'sugary' d. aug foliated gtz - muscovite (f) ? 10cm gray folial gtz (num ? py mids)	
28	< 30%		396/132						py	28.34 OR: S1 000/30, V 140/90, V 225/80	
29			396/133						py		
30			396/134						py	Foliated gtz-se gschist (sericitic) thin foliae Qtz schist, folded foliae, sericite augen in gtz boundaries (v. weakened)	
31			396/135						py		
32			396/136						py	(grades to fresh gtz(augen) actinolite schist below)	
33									py	leucocratic & ? muscovite gtz schist	
34	-13%								py	10cm fresh Qtz (folial) - 5mm pits, cl gtz eyes in gtz ? mids on margins	
35									py	Musc	
36									py		
37									py	Foliated gtz augen schist, prominent gtz foliae / antecles. Fens & clumps of actinolite penetrating S1. Folded- contorted foliae.	
38									py		
39									py		
40									py	Crushed; leuc & MnO2 (slight), minor muscovite	

Depth Scale 1:100

2 X 2

4 X 2

Sample

HOLE No. DDH 02-01

SHEET 3 of 4

LOGGED BY RGA

DATE 15/6/84

Depth Scale 1:100

DEPTH (m)	RECOV. %	ROD	SAMPLE No.	ASSAYS		LITHOLOGY	STRUCTURE	ALT N	MINERAL N	GEOLOGY NOTES	SUMMARY
				Au							
41						A	A			Foliated g/z augen-sericite-actinolite schist	
42						A	A				
43						A					
44						A			py	py disseminated schist	
45						A		A			
46						A					
47						A				hard ox (clay, minor MnO ₂)	
48						A				10 cm av. ss, pitted, fractured, 11 ft.	
49						A				fine foliated sericite-g/z schist (gneiss)	
50						A				49.9 OR: S1 040/5	
51						A				(actinolite dark in shing)	
52						A				py cubes (clay)	
53						A				Foliated g/z-sericite schist	
54						A					
55						A					
56						A					
57						A					
58						A				Elliptic schist (sericitic)	
59						A				Foliated g/z-sericite-actinolite schist	
60						A					

DATE 15/6/02

DEPTH (m)	RECOV. %	ROD	SAMPLE NO.	ASSAYS		LITHOLOGY	STRUCTURE	ALTN	MINERAL N		GEOLOGY NOTES	SUMMARY
				ppm								
				Au	Ag							
61											Bleached gtz-sericite schist with condensed foliation	
62												
63												
64											← clay gouge	
65			396142				X					
66	<10% rec		396141				X					
67			M396008				X				qtz porphyry intrusive	
68			M396009				X				(f.p. S2 // CX) qtz-sericite schist, argillitic. 3 x 2.5 m qtz calc VN 10 cx, tr lin	
69			396009	0.020	49		X				← clay gouge	
70			396010				X				clay (calc) VN 095/85-90 [OR@69.2] S1 305/25-30	
71			396011	0.014	28		X				clay (calc) VN 080/90	
72			396012				X				veins mostly whitish clay (no acid reacted) thicknesses 1-3 cm	
73			396013	0.012	119		X					
74			396014				X					
75			396015	0.014	50		X				Bleached qtz-sericite schist (wavy foliae)	
76			396016				X					
77			396017	0.015	27		X				Mod oxid	
78			396018				X					
79			396019	0.010	35		X					
80			396020				X					

	DEPTH (m)	RECOV. %	RAD	SAMPLE No.	ASSAYS		LITHOLOGY	STRUCTURE	ALTN	MINERALIN	GEOLOGY NOTES	SUMMARY
					ppm							
					Au	As						
81				M396014	0.016	25		X			Foliated gtz-sericite schist (wavy foliae)	
82				396015								
83				396015	0.005	13		X			" " " " " " " "	
84				-143				X				
85				-144				X			Foliated gtz-sericite schist clayey clay, minor gtz (laminae filling massive) Decarv (? disc). Hg lin v. rich, drs lin (py). Sericite margins	
86				396016				X				
87				396016	0.012	34		X			" " " " " " " "	
88				017	0.018	76		X			? disc QV (sericite margins) ← crush zone	
89				018	0.053	102		X			40CX { 89.1: 10 cm lin v. imp (SAm) + margins - red-bronze Fe ox 89.3: 3x gtz (rocky) S= veinlets (partly ox) prop. cores of f.g. aspy. Common grains of ephedra red-bronze Fe ox.	
90				019	0.041	60		X				
91				020	0.023	63		X				
92				396050	0.066	27		X			Foliated gtz-sericite schist (not folia) 10cm QV (prob discordant to py (? aspy), sericite clumps)	
93				396051	0.012	28		X			Wavy foliae. Clayey veinlet 45CX + 90 blst	
94				396052				X				
95					0.016	30		X				
96								X			OR 95.7-98.	
97								X				
98								X			gtz-carb (mag) vein 080/45	
99								X				
100								X				

HOLE No. DDH.04-01

SHEET 6 of 11

LOGGED BY R.S.H.

DATE 16-17/6/04

Depth Scale 1:100

DEPTH (m)	RECOV. %	RQD	SAMPLE No.	ASSAYS		LITHOLOGY	STRUCTURE	ALTN	MINERALIN	GEOLOGY NOTES	SUMMARY
				Au	Ag						
101			-145							clay-gtz veined 50 ex, // S1	
102			396/46							Sericite	
103											
104			-147								
105			396/48							Sericite g/ste - ^{Wavy} to flld g/ste-serr flcar	
106											
107			396/49							clay gouge	
108											
109											
110											
111										OR 110-95 Limonite clay-gtz veined 280/85-90	
112										111.5	
113			M396053	0.014	26						
114											
115			396/50							bx a g/ste frgs, ferrug matrix/veins	
116											
117											
118											
119			M296/51							S1 c. 50 CX contact c. + S1 + 60 CX	
120										st. well bed mass py ? bx a. (? g/ste propylty). Eg. dis py. } ? unmin	

DATE 16-17/8/07

SUMMARY

GEOLOGY NOTES

Annealed breccia. We did stain. Qtz frags

V. Skerred. Some clay young seeds
Protocol of 'wavy' photos g-series solid
Very schistose

mod
with

slightly
is the

charge gauge, some QV fings

25 cm? disc QV. Mod fx. Slightly skewed nuc. Contact

Early bloomed g/l - semi white

clayey gouge

? Electric sander (weekly calistised)
grading into (wasp paper)

Slightly wavy blotted 9/2-(14) series.

OR 139.29: S150CX 315/0-5

HOLE No. DDHOK-01.....

SHEET 8 of 11

LOGGED BY RGA

DATE 16-17/6/07

DEPTH (m)	RECOV. %	RQD	SAMPLE No.	ASSAYS		LITHOLOGY	STRUCTURE	ALTIN	MINERALIN	GEOLOGY NOTES	SUMMARY
				Au							
141			396162			st. wavy fol gtz-sericite schist poss chloritic schist	X		Met as fol	S1 c 60 ex	
145			396163			st. wavy fol gtz-sericite schist OR 145.4 S1-subhoriz (60 ex)	X			Quartz schist - v. thin sericitic foliae / lam. st. wavy foliae	
150						st. chloritic gtz-sericite schist	X				
155			396164			st. wavy, gtz-sericite schist (some gtz nr massive)	X				
160							X				

Depth Scale 1:100

DATE 18-17/6/04

DATE 18-17/6/04

DATE 18-17/6/04

SUMMARY

Au

RAD

RECOV. %

DEPTH (m)

161

165

170

175

180

Depth Scale 1:100

Flaked (see wavy) $g/2$ -sori (20k) solns
strong solubility, core clears readily
some sori are more chlorotic

mod to strong shearing, clay gouge sects
some loc. stain (weak)

1 argill. alt. Vary serice. gfs shoot it.
H. fragile + leaves readily anast.

DATE 16-17/6/03

209-4 KOH

HOLE No. DDH.07-01.....

SHEET 11 of 11

LOGGED BY ... *RJA*

DATE 1677/6/04

DEPTH (m)		RECOV. %	RQD	SAMPLE No.	ASSAYS		LITHOLOGY	STRUCTURE	ALTN	MINERAL N	GEOLOGY NOTES	SUMMARY
					Au							
201												
202												
203											Somewhat wavy foliation cf. augen gneiss - series sketched up hole see previous section + S1	
204												
205											Prob. strong metamorphism	
206											gneissic texture in lower portion? see	
207				M 396023	<0.005	3					(5.13% B, 5.03% Fe) 0.1% S	
208												
209												
210											209.4 - F0H 14 JUNE 2004	