

DRILL LOG SHEET

Hole No : DDH BD 8

COLLAR CO-ORDINATES : 300S/1850W

PROJECT : HIGHCLERE

LOCATION CODE : MQ 03

COLLAR R.L. :

LOCATION : BUCKBY	DATE STARTED	16-11-80	HOLE SIZE		FROM	TO	TOTAL	CORE STORAGE	DEVONPORT
	DATE FINISHED	8-12-80	NON CORE					NO OF TRAYS	
	TOTAL DEPTH	272.20m						SAMPLE STORAGE	
MAP/PHOTO REFERENCE : 5435900mN 399000mE	LOGGED BY	I.J. Buchhorn	CORE					ASSAY LAB.	ANALABS/AMDEL
	CONTRACTOR	A.D.D.						ASSAY REPORTS	
HOLE SURVEY DATA									
INSTRUMENT :									
DEPTH	INSTRUMENT		ACID ETCH		REMARKS				
	INCL.	AZ.	INCL.	AZ.					
COLLAR	060	083			RIG				
163.3m	057	080			DRILL CREW	M. Blight N. Bellinger	CASING		MIN. & PET. LAB. C.M.S.
269.0m	055	089							MIN. & PET. REPORTS
					CASING LEFT	NQ	0	6m	6m

GRAPHIC/LETTER SYMBOL LOGGING KEY

	_____		_____		_____
	_____		_____		_____
	_____		_____		_____
	_____		_____		_____
	_____		_____		_____

STRUCTURE / ALTERATION CODE

B BEDDING O OXIDATION
 J JOINTING
 C CLEAVAGE
 F FOLIATION
 sh SHEARING
 q QUARTZ VEINS

DRILLING SUMMARY :

049

From	To	Interval (m)	Core Rec'd	% Rec	Sample No.	Compos No.	Assays										Magnetic Susceptibility x 10 ⁻⁵ S.I.			% Estimates			Core Angles			T.S Alt.	P.S	Description		
							Sn	W	CaF ₂ %	Cu	Pb	Zn	Mo	Au	Ag	Bi	Ni	cpy	py	po										
90-14	92-50	2-36	2-36	100	1244	C12	42	380		65	10	36	47		<1	10	10	60-70		tr	tr								Massive diopside-dolomite skarn, "mottled" calcite aggregates, 1-2% po-py basal 30cm, trace cp / 91.2 trace galena blebs, 3mm	
92-50	93-84	1-34	1-34	100	1245		14	15	0.58	300	5	40	8		<1	10	20	45		5	2								Massive dolomitic diopside skarn, dissem po-py "conglomeratic" sulphide skarn diffusion texture with light grey diopside "pebbles" fringed by black biotite (?) metamorphosed argillite? py as blebs & microveinlets, 0.5-3mm, also remobilized 5mm veins & 2mm euhed crystals	
93-84	95-57	1-65	1-73	95.4	1246		100	<10		485	<5	75	1		<1	<1	60	1000-15,000		5	10-15								Pyrrhotite-magnetite bearing dolomite conglomerate, coarse mag-po blebs associated with light grey diopside "pebbles" in dark biotitic matrix, trace cp associated with po "pebbles" of magnetite-pyrrhotite assoc. with dark matrix	
95-57	98-38	2-81	2-81	100	1247	C13	210	<10	3.04	360	5	65	0.5		<1	<1	65	100-100		2	5								Pyrrhotite-biotite bearing dolomitic limestone conglomerate, common diopside, minor tremolite needles / trace coarse (1-3mm) schreibelite, epidote in base	
98-38	102-80	4-42	4-42	100	1248		6	<10		60	25	120	1		<1	20	35	10		tr									Dolomitic limestone conglomerate, subrounded limestone fragments (1-40mm) in calc-phlogopite (-calc) matrix, common epidote alteration of limestone fragments / clasts unsupported in argillac matrix	
102-80	105-60	2-80	2-80	100	1249	C14	14	<15	0.29	20	10	60	6		<1	10	25	10		1-2									Brecciated & altered brown cherty shale, min conglomerate band, medium shear & brecc, biotite throughout (contact metamorph.) dissem py blebs ore veinlets / 104.8 limestone conglomerate band, 10cm	
105-60	109-10	3-50	3-50	100	1250		<4	<10		55	30	110	4		<1	10	50	5		1-2									Dolomitic limestone conglomerate, subrounded limestone fragments in argillac (phlog-biot?) matrix, fragments typically 1cm / epidote alteration of limestone clasts / v.f. dissem. py in matrix	
109-10	110-75	1-65	1-65	100	1251		4	<10		38	10	38	6		<1	10	20	10-15		2									Massive cherty dolomite to dolomitic quartzite / 109.1-109.3 10% dissem. py blebs / dissem. 1-2mm py blebs pervasive / 109.6 5cm chert conglomerate band 5-10mm pebbles	
110-75	116-70	5-95	5-70	95.8	1252	C15	4	15	0.29	30	15	50	6		1	10	20	10-20		1-2									Dolomitic limestone conglomerate, limestone fragments in biotite-calc-quartz matrix, more indurated, less altered than overlying conglomerate, common cherty biotite quartzite bands, min limestone bands (<10cm), occasional chert conglomerate / strongly fractured, especially cherty quartzites / 113.0-113.2 10% dissem. v.f. py associated with cherty quartzite, epidote assoc. with py	
116-70	121-15	2-50	4-45	56.2	1253		10	<10	0.50	45	15	135	3		<1	<1	55	10		1-2									Dolomite conglomerate, subrounded 2-10mm dol (-epidote) fragments in biotite phlog matrix / strongly altered brecciated	
121-15	122-74	1-59	1-59	100	1254		6	<10		15	5	80	0.5		<1	<1	45	50-250		1										Wh. massive dolomite, trace disseminated v.f. (0.5mm) magnetite, common vuggy leaching associated with fracture zones at 122.1, 122.3
122-74	126-70	2-40	3-96	60.4	1255		7	<10	0.38	10	<5	55	2		<1	<1	75	10		1-2										Strongly brecciated, py veined chert, possibly silty, extensive tension gash veining (pyrite with pervasive chlorite coating) / chert occ. v.f. (<0.5mm) laminations / py microveinlets, occasional disseminated py.
126-70	131-10	1-30	4-40	49.2	1256		<3	<10	0.38	10	<5	40	1		<1	<1	40	10		1-3										Conglomeratic chert (interformational), weakly dolomitic, minor phlog-biot-qtz matrix rich conglomerate / pyrite rich zones, microveinlets & disseminated
131-10	137-00	4-10	5-30	69.5	1257		10	<10	0.66	35	<5	75	2.5		<1	1	70	5		1-4										Dolomitic conglomerate, dolomite fragments in friable sugary calc-phlog-qtz matrix source of fragments "intraform dolomites" such as 121.15-122.74 / dissem. F epidote in matrix / pyrite v.f. (<0.05mm) restricted to matrix / 132.7-133.2 wh. dolomitic chert / chlorite common from 133.1 associated with microfracture
137-00	139-90	1-10	1-90	57.9	1258		9	<10	0.43	10	<5	50	1		<1	<1	60	10-300		2-4										Conglomerate biotite quartzite, py & mag disseminated in basal 50cm, probably diopside bearing / py 0.5-10mm disseminated euhed blebs & veinlets / fragments up to 3cm, include 1cm chert & light grey diopside (?) (altered dolomite) (minor epidote associated with pyrite)
139-90	143-50	0-70	4-60	15.7	1259		<3	<10		115	5	30	1.5		<1	<1	55	5-20		1										Massive dolomitic chert-quartzite, dissem v.f. euhed py (0.5mm) minor chlorite - epidote alteration along fractures
143-50	148-20	1-05	4-70	22.3	1260		<3	<10		40	<5	80	1.5		<1	<1	70	5-20		1-2										Pebbly sericite-chlorite conglomerate fragments of completely argillized dolomite matrix intense alteration to very soft phlog-chlor-calc assemblage, dissem. v.f. euhed py (0.5mm) minor epidote
148-20	152-85	2-05	4-65	44.1	1261		5	<10	0.73	20	5	35	1		<1	<1	70	5		1										Mauve conglomerate cherty quartzite, subrounded 2-10mm chert fragments, diffusely gradational into cherty matrix (through recrystallization) / py joint coating & as dissem. blebs & microveinlets / minor chloritic alteration / minor irregular dolomite zones (diffuse 1-4cm) often assoc. py coarse euhed
152-85	153-70	0-65	0-85	76.5	1262		<3	<10		30	5	95	2.5		<1	1	55	5-10		4-8										Strongly altered, brecc. chloritic conglomerate, phlog-biotite-qtz matrix, chert fragments strongly pyritic, v.f. euhed blebs pervasive often epidote association
153-70	155-00	2-10	2-20	95.5	1263		4	<10		35	10	90	1.5		<1	<1	55	5-20		2										Dolomitic conglomerate, ovoid chert dolomite fragments in phlog-qtz (dol) matrix, pervasive epidote alteration of fragments / clasts 5-30mm, always ovoid, often zoned metamorphic effect

667-050

