

DRILLHOLE/TRVERSE : WS000012

PROJECT IDEN : M577      START DATE : 88/ 7/18      COMPLETION DATE : 88/ 7/19      GEOLOGGED BY : RUB + SGM  
 COLLAR NORTHING: 5636551.00      COLLAR EASTING : 512497.00      COLLAR ELEVATION: 813.00      GRID AZIMUTH : 0.00  
 TOTAL LENGTH : 99.37      CORE/MOLE SIZE : NQ

SURVEY FLAG		SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING
000		0.00		203.00	-55.00		
001		89.92		203.00	-53.00		
002		99.37		203.00	-54.00		

  

K L (UNITS = MT)	F - INTERVAL - FROM - TO	CORE RECOVERY (%)	X M ROCK I X TYPE	TYPI- QAL TEX- GRAIN FRAC- FRYING MIN TURES CHARACS TURE		STRUCTUR-1 ALTERATION MINS		ORE-TYPE MINS		SUMMARY										
				TM 1	TM 2	TX 1	TX 2	STK 1	DIP 1		CA	MU	CL	EP	HE	HA	PR	AS	FS	HA
P	0.00 - 3.35		OVER																	
P	3.35 - 9.18		GNAC	BD CA 3 5 5 7		P 2 BD														
L			6A	FO CT 2 2		5														
RP	3.35 - 9.18		GREYWACKE: CONTAINS 40% ANGULAR CLAST OF DARK SILTSTONE AND GREY WACKE IN A SILTSTONE GROUNDMASS(80%). THE CLAST ARE PROBABLY RIP UP CLASTS FROM SOFT SEDIMENTS. IN SOME CASES THE MORE COMPETENT GREYWACKE CLASTS ARE AUGEN SHAPED AND ARE ASSOCIATED WITH PROMINANT FOLIATION SUGGESTING CATACLASTIC METAMORPHISM. AT 4.10M THERE IS BEDDING IN THE SILTSTONE AT 25 DEG. LIMONITIC FRACTURES EXTEND FROM 3.35-11.47M . GRADED BEDDING AT 15 DEG. AT 7.90M.																	
RP	3.35 - 9.18																			
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RM	3.35 - 9.18		SILTSTONE: TYPICALLY OCCURS AS 40% DELICATE ELONGATED CLASTS IN 80% GREYWACKE.																	
RM	3.35 - 9.18																			
N	3.35 - 5.18		4 SILT	BD	2 2 X 2		M													
L			3A				5													
P	9.18 - 11.37		SILT	MX BD 3 5 5 7		P 2 BD														
L			3A	FO CT 2 2		5														
RP	9.18 - 11.37		SILTSTONE: MASSIVE, DARK GREY, BEDDING AT 12.06M AT 0 DEG.																	
P	11.37 - 45.35		GNAC	BD CA 3 5 5 7		P 2 BD														
L			6A	FO CT 2 2		5														
RP	11.37 - 45.35		GREYWACKE: 80% INTERBEDDED WITH SILTSTONE, SAND AS 3.35-45.35M. GOUGE AT 35.70M AT 40 DEG. FOR 2 CM. GOUGE AT 41.20M AT 50 DEG. (1CM THICK).																	
RM	11.37 - 45.35																			
RM	11.37 - 45.35																			
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RM	11.37 - 45.35																			
RP	11.37 - 45.35		CATACLASTIC METAMORPHISM AND ASSOCIATED FOLIATION WITH AUGENS OF GREYWACKE AT 18.90-19.40M. AUGEN AND FOLIATION DEVELOPMENT SEEN WITH MINOR FINE GRAINED PYRITE ALONG FOLIATION AT 22.20-																	
RP	11.37 - 45.35																			

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F - INTERVAL -		CORE RECOVERY (%)	X M ROCK TYPE	TYPI- QAL TEX- GRAIN FRAC- FYING MIN TURES CHARACS TURE	STRUCTUR-1	ALTERATION MINS					ORE-TYPE MINS					SUMMARY	
K L (UNITS = MT)						T ID	STK	DIP	A	A	A	A	A	MIN	A		A
Y G FROM - TO		( X )	X TYPE	1 2 QM1 1 2 F F C P & TK	1	AZM	RT	QZ	NR	CY	AK	SR	XX	PY	CP	LI	YY
K F		ROCK	FOR EN RT	TM QM2 TX TX 5 R S O DIP F	T ID	STK	DIP	CA	MU	CL	EP	HE	HA	PR	AS	FS	HA
E L		QUAL	MEN V Q LC- 3	3 4 0 N H / SML I	2	AZM	RT			H	H	H	H	H	H	H	H
Y G		DESIG	AGE	COL				STRUCTUR-2		A	A	A	A	A	A	A	A
RP	11.37	45.35	25.40M. SILTSTONE WITH GREYWACKE AUGEN AND MINOR PYRITE ALONG FOLIATION AT 32.40-33.21M.														
RP	11.37	45.35															
N	11.37	45.35	4 SILT BD 2 2 X 2 N D( <-														
L			3A 5 V+														
P	45.35	47.88	SILT CT MX 2 2 X 2 P V( D(														
L			3A CA 5 FO 10 V*														
P	47.88	83.50	GWAC BD CA 3 5 5 7 P D(														
L			6A FO CT 2 2 5 2 BD V=														
RP	47.88	83.50	GREYWACKE: AT 50.00-51.05M AND 52.50-53.15M GREYWACKE OCCURS AS AUGEN WITH ASSOCIATED FOLIATION IN THE SILTSTONE														
RP	47.88	83.50	GROUNDMASS (CATACLASTIC). AT 58.93-59.03M FAULTING AT 50 DEG.														
RP	47.88	83.50	INDICATED BY GOUGE. WHERE AUGEN HAVE NOT DEVELOPED THE														
RP	47.88	83.50	GREYWACKE OCCURS AS ANGULAR FRAGMENTS SET IN DARK SILTSTONE														
RP	47.88	83.50	GROUNDMASS.														
RP	47.88	83.50	SILTSTONE: FORMS THE MATRIX TO ABUNDANT GREYWACKE FRAGMENTS.														
RN	47.88	83.50															
N	47.88	88.50	4 SILT BD CA 2 2 X 2 N														
L			3A V*														
P	83.50	88.84	GWAC MX 3 5 5 7 P UC 30 V* D.														
L			5A 2 2 1 LC 35														
RP	83.50	88.84	GREYWACKE: ZONE OF MASSIVE GREYWACKE.														
P	85.84	87.78	SILT BD CA 2 2 X 2 P D.														
L			3A 5 V*														
RP	85.84	87.78	SILTSTONE: CONTAINS FRAGMENTS OF GREYWACKE AND OCCASIONAL														
RP	85.84	87.78	GREYWACKE AUGEN. EXHIBITS FOLIATION LOCALLY, EG. AT														
RP	85.84	87.78	70.07-72.80M, 74.78-74.98M AND 78.03-78.87M.														
RN	85.84	87.78	GREYWACKE FORMS FRAGMENTS VARIOUSLY ANGULAR OR EYE SHAPED, SET														
RN	85.84	87.78	IN SILTSTONE GROUNDMASS. AT 74.25M BEDDING AT 25 DEG., AND AT														
RN	85.84	87.78	83.50M BEDDING AT 30 DEG.														
N	85.84	87.78	4 GWAC BD CA 3 5 5 7 N 2 BD D.														
L			6A FO CT 2 2 5 V*														
P	87.78	99.37	SILT MX 2 2 X 2 P V+ D.														
L			3A V+														
RP	87.78	99.37	SILTSTONE: THIS SECTION LACKS GREYWACKE FRAGMENTS, BEDS AND														
RP	87.78	99.37	AUGEN AS DESCRIBED ABOVE AND IS MORE COMPETENT WITH THE RESULT														
RP	87.78	99.37	THAT IT IS WELL FRACTURED AND RELATIVELY STRONGLY QUARTZ AND														
RP	87.78	99.37	CALCITE VEINED. FOR THE FIRST 0.85M THE VEINS TEND TO PARALLEL														
RP	87.78	99.37	CORE AXIS BUT LATER TREND GENERALLY AT 60 TO 70 DEG. TO CORE														
RP	87.78	99.37	AXIS. VEINS ARE USUALLY 1MM-2CM THICK AND ARE TYPICALLY WITHOUT														
RP	87.78	99.37	VISIBLE SULPHIDES. AT 95.40-98.05M FAULT AT 20 DEG. WITH GOUGE.														

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K L (UNITS = MT)	FROM	TO			TM	TM	MAT	TX	TX	F	C	%	M	T	ID	STK	DIP	A	A	A	A	A	A	MIN	A	A	A	MIN
E A																												
Y G																												
K F																												
E L																												
Y G																												
R P	87.78	99.37																										
R D	98.05	98.15																										
N	96.05	98.15																										
L																												

CORE ANGLES OF FAULTS ARE 10-40 DEG. GRAPHITIC SLICKENSIDES.  
MISSING CORE: PROBABLY SILTSTONE.  
X NISM M

SUMMARY REMARKS

DRILL HOLE W880012 WAS COLLARED AT THE W END OF TRENCH 88-T-47, 35M NE OF HOLE W870007 AND WAS DRILLED TO TEST THE DOWN DIP EXTENSION OF MINERALIZATION ASSOCIATED WITH A FELDSPAR PORPHYRY DYKE INTERSECTED IN HOLE W870007. THIS HOLE, LOCATED ON THE TWO BOB ZONE, WAS DRILLED AT AN AZIMUTH OF 203 DEG. AND A DIP OF -55 DEG. FRO A TOTAL DEPTH OF 99.37M.

THE OVERBURDEN EXTENDS TO 3.35M. HIGHLY SHEARED INTERBEDDED GREYWACKE AND SILTSTONE OCCURS FROM 3.35-99.37M. A ZONE OF QUARTZ AND CALCITE VEINING OCCURS WITHIN SILTSTONE AT 87.70-99-37M. NO FELDSPAR PORPHYRY DYKE WAS INTERSECTED IN THIS HOLE.

## M577 - WS880012 - SAMPLE INTERVALS

LINE	FROM	TO	NUMBER	LENGTH
1	0.00	13.11		
2	13.11	15.24	79058	2.13
3	15.24	32.31		
4	32.31	35.05	79059	2.74
5	35.05	42.35		
6	42.35	44.50	79060	2.15
7	44.50	59.00		
8	59.00	61.00	79061	2.00
9	61.00	71.93		
10	71.93	74.94	79062	3.01
11	74.94	84.13		
12	84.13	85.65	79063	1.52
13	85.65	87.78	79064	2.13
14	87.78	88.38	79065	0.60
15	88.38	90.22	79066	1.84
16	90.22	91.62	79067	1.40
17	91.62	93.04	79068	1.42
18	93.04	94.44	79069	1.40
19	94.44	95.40	79070	0.96
20	95.40	99.37	79071	3.97