

2 (Preussag) 8  
-60°

Lithologic Log 015715

Logged By: *DSJ*

Code	From (feet)		To (feet)		Unit	Code	Description
	10	14	16	20			
L	10	0	21	5	1	#1	O/B
L	21	5	19	5	2	3G10	Typical, non-calc., chlor > musc gtz, phyllite of unit 3G; same as 78 Cat-02 unit 2
L	19	5	16	10	3	3E10	Normal graphitic phyllite, minor py, non-calc., generally F <sub>2</sub> fol.
L	16	10	24	5	4	3E11	Siliceous graphitic phyllite; laminae of tentatively banded graphitic / carbonaceous pelitic layers interleaved w/ off-white to m. gray siliceous (qtzite) bands; ident to 3E11 in 78 Cat-02 units 4, 8 & 10; unit non-calc. & commonly shows good sub-F <sub>2</sub> hinges in siliceous bands bounded by D <sub>2</sub> (S <sub>1</sub> ) graphitic pressure solution stripes (con- ulation foliation)
L	24	5	31	16	5	3G10	M. gray, non-calc., carbonaceous gtz-musc- (carbon) phyllite; typical 3G10 as seen thru much of Swm Terrace (GAT's "normal" phyllite)
L	31	16	31	16	10	3E11	As unit 4
L	31	16	43	10	7	31	Calcareous, brownish med gray, weakly var. carbonaceous biotite phyllite to phyllitic marbles; unit boundary marks first visible appearance of biotite; ident to unit 11 in 78 Cat-02
L	43	0	46	0	8	3G10	Non-calc. whly var. carb. bio. phyllite i.e. biotite, grade equiv of unit 5 same
L	46	0	50	7	9	31	As unit 7 only more weakly & patchily calcareous; calc. bio. phyll to locally bio. phyllitic marbles of unit 3

Lithologic Log

Code	From (feet)	To (feet)	Unit	Code	Description
	10 14 16	20 22 23 25 27			
L	100	1250	1	#	O/B
L	1250	1620	2	3G10	Typical chlor > musc, non-calc phyllite of unit 3G
L	1620	11100	3	3E10	Normal unit 3 graph. phyll.; poor core recovery 78-108 w/ approx. 8-10' recovered over 40' interval; unit non-calc. & non-sulfidic leucitic
L	11100	13140	4	3E11	Quite silicious graph. phyll. characterized by laminae, lenticular, quartzose bands // S <sub>2</sub> w/ commonly well preserved, relict F <sub>2</sub> hinges in these silicious laminae; unit w. remnant of 78 Janice 01 & 02; non-calc. & shales common dis. to py which could easily account for IP effects (if any); unit not 4a!; unit not uniformly graphitic w/ good graph. pressure solution stripes/cumulation for // S <sub>2</sub> ; part of unit carbonaceous - typical 3E1
L	13140	135100	5	3G12	Generally PS <sub>2</sub> foliated, m. greenish gray, carbonaceous, non-calc musc-gtz-chlor(?) phyllite
L	135100	13690	6	3E11	c.f. unit 4 but generally more graphitic
L	13690	13700	7	3E1	As units 4 & 6 but moderately calcareous; this identical to calcareous graph. phyll. seen in 78 Janice 01 & 02
L	13700	14295	8	3E11	As unit 4; note appearance of biotite in phase assemblage at about 403.5' suggesting transition from chlorite to biotite grade of greenschist D <sub>2</sub> meta. fm.
L	14295	14380	9	31	As unit 7, calcareous quartz graphitic phyllite of biotite grade, again c.f. 78 Janice 01 & 02
L	14380	15260	10	3E11	As units 4 & 8
L	15260	16080	11	31	Calcareous, var. carbonaceous, med. gray, biotite phyllites to phyllitic marbles (locally)

N.B.: No structural log; core stored at Grum Camp