

Site: 1414A

Exp. 344 Structural Geology Observation Sheet

Core	Sec.	Structure ID	Top of struct	Bottom of struct	Core face app. plunge		2nd app. plunge		Striation on surface		Coherent int for pmag		P-mag pole		Note
					az	plunge	az	plunge	rake	from	top	bottom	Dec	Inc	
1		none	—		90 or 270	—	0, 180, Other	other or 0	—	90 or 270	—	—			
2	3	bedding	69	70	90 or 270	1	0	0	—	90 or 270	—	—			
3		none	—		90 or 270	—	0, 180, Other	other or 0	—	90 or 270	—	—			
4		none	—		90 or 270	—	0, 180, Other	other or 0	—	90 or 270	—	—			
5	1	bedding	107	107	90 or 270	1	0	1	—	90 or 270	—	—			
6	5	bedding	51	51	90 or 270	1	180	2	—	90 or 270	—	—			
7		None			90 or 270	—	0, 180, Other	other or 0	—	90 or 270	—	—			
8	5	lamination			90 or 270	28	0	2	—	90 or 270	—	—			
		bedding	46	49	90 or 270	23	180	8	—	90 or 270	all	—			
	7	head fa?	48	50	90 or 270	73	54	0	—	90 or 270	all	—			
					90 or 270	—	0, 180, Other	other or 0	—	90 or 270	—	—			
					90 or 270	—	0, 180, Other	other or 0	—	90 or 270	—	—			
9	1	bedding	135	135	90 or 270	15	180	19	—	90 or 270	all	—			
10		None			90 or 270	—	0, 180, Other	other or 0	—	90 or 270	—	—			
					90 or 270	—	0, 180, Other	other or 0	—	90 or 270	—	—			
11	2	bedding	72	72	90 or 270	1	0	2	—	90 or 270	all	—			
	3	"	26	29	90 or 270	4	180	4	—	90 or 270	all	—			
					90 or 270	—	0, 180, Other	other or 0	—	90 or 270	—	—			
12H	1	bedding	28	28	90 or 270	1	180	5	—	90 or 270	all	—			
13H	5	bedding	22	23	90 or 270	7	180	7	—	90 or 270	↘	—			
		↘	136	137	90 or 270	2	0	8	—	90 or 270	↘	—			
	6	↘	83	83	90 or 270	1	0	7	—	90 or 270	↘	—			
					90 or 270	—	0, 180, Other	other or 0	—	90 or 270	—	—			

soapy → potentially flow of & distorted

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Core	Sec.	Structure ID	Top of struct	Bottom of struct	Core face app. plunge		2nd app. plunge		Striation on surface		Coherent int for pmag		P-mag pole		Note	
					az	plunge	az	plunge	rake	from	top	bottom	Dec	Inc		
14H	2	bedding	74	77	90 or 270	13	0	11								
15H	2	bedding	77	78	90 or 270	5	180	2								
	2	??????	21	60	90 or 270	66	180	3								coloured bands & ...
	4	Bedding	6	7	90 or 270	3	0	2								
16H	1	"Fault"	0	23	90 or 270	77	330	0								Coloured bands; "S hear"
	4	"Fault"	0	120	90 or 270	81	10	0								"compaction fault" displacement ~ 4cm
	7	bedding	35	43	90 or 270	46	180	75								
17H	5	bedding	127	129	90 or 270	2	180	2								
18H	4	Fault	49	65	90 or 270	71	19	0								
	5	NF	13	31	90 or 270	76	349	0								
	7	bedding	107	108	90 or 270	3	0	10								
19H	3	"	8	8	90 or 270	5	180	2								
	6	"	37	37	90 or 270	3	0	3								
20H	1	NF	10	12	90 or 270	50	336	0								
	7	Fault	84	93	90 or 270	50	331	0								
	2	NF	32	40	90 or 270	45	319	0								
21H	2	bedding	97	98	90 or 270	6	0	11								
22H	1	NF	97	106	90 or 270	55										
	5	Fault	101	105	90 or 270	35										
					90 or 270											
23x		None			90 or 270											
24x		None			90 or 270											
					90 or 270											
					90 or 270											
					90 or 270											
					90 or 270											
					90 or 270											
					90 or 270											
					90 or 270											

← faint. can't see 2nd app. plunge.  
← " "


3ash layers, highly disturbed.

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					az	plunge	az	plunge	rake	from	top	bottom	Dec	Inc	
25x	1	Bedding	49	50	90 or 270	2	0	0		90 or 270					
	1	"	116	117	90 or 270	4	0	0		90 or 270					
	2	"	57	60	90 or 270	1	0	0		90 or 270					
	3	"	102	103	90 or 270	1	0	2		90 or 270					
	3	"	126	126	90 or 270	2	0	0		90 or 270					
	7	"	67	69	90 or 270	3	0	1		90 or 270					
	26x	1	fault	13	15	90 or 270	10	130	1		90 or 270				
		fault	13	17	90 or 270	25	130	2		90 or 270					
		inj. dyke?	19	36	90 or 270	60	346	0		90 or 270					
		inj. dyke	19	36	90 or 270	84	307	0		90 or 270					
2		fault	68	71	90 or 270	80	310	0		90 or 270					
3		fault	6	9	90 or 270	70	5	0		90 or 270					
5		fault	19	24	90 or 270	66	325	0		90 or 270					
5		fault	91	98	90 or 270	56	54	0		90 or 270					
5		NF	100	106	90 or 270	75	333	0		90 or 270					
6		fault	81	86	90 or 270	85	343	0		90 or 270					
27x			none			90 or 270									
28x	7	Bedding	41	41	90 or 270	2	0	0		90 or 270					
29x		none			90 or 270										
30x		none			90 or 270										
32x	1	Beddy	14	14	90 or 270	2	0	8		90 or 270					
	1	defom. band	12	12	90 or 270	3	0	32		90 or 270					
	2	Bedd	6	8	90 or 270	8	0	11		90 or 270					

splays dendroid str.





Site: 1414 A

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Core	Sec.	Structure ID	Top of struct	Bottom of struct	Core face app. plunge		2nd app. plunge		Striation on surface		Coherent int for pmag		P-mag pole		Note	
					az	plunge	az	plunge	rake	from	top	bottom	Dec	Inc		
412	1	foliation	0	5	90 or 270	6	0, 180, Other	180	1		90 or 270	0	8		veins deformed / vertical / latheney s-c-fabric top right	
	"	vein	5	7	90 or 270	68	0, 180, Other	72	0		90 or 270	0	8			
	"	vein	17	18	90 or 270	5	0, 180, Other	0	6		90 or 270	16	18			
	"	foliation (G)	24	29	90 or 270	13	0, 180, Other	180	8		90 or 270	24	29			
	"	S-plane	"	"	90 or 270	58	0, 180, Other	?	?		90 or 270	24	29			
	"	foliation	53	57	90 or 270	8	0, 180, Other	180	13		90 or 270	53	58			
							0, 180, Other				90 or 270					
							0, 180, Other				90 or 270					
							0, 180, Other				90 or 270					
							0, 180, Other				90 or 270					
412	2	foliation	12	13	90 or 270	1	0, 180, Other	0	2		90 or 270	15	18		mobilized / foliation parallel s-c-fabric top right folded; axial plane // foliation fold; axial plane = foliation fold axis: 312/0  younger	
			15	18	90 or 270	3	0, 180, Other	0	3		90 or 270	15	18			
		vein	18	21	90 or 270	87	0, 180, Other	0	45		90 or 270	20	28			
			30	31	90 or 270	8	0, 180, Other	180	10		90 or 270	28	31			
		fold axis	30	31	90 or 270	5	0, 180, Other	312	0		90 or 270	28	31			
		vein	45	47	90 or 270	77	0, 180, Other	20	0		90 or 270	44	47			
			4	4	90 or 270	77	0, 180, Other	388	0		90 or 270	44	47			
			4	4	90 or 270	45	0, 180, Other	51	0		90 or 270	44	47			
		RF ?	53	59	90 or 270	69	0, 180, Other	340	0		90 or 270	54	60			
		vein	59	67	90 or 270	89	0, 180, Other	10	0		90 or 270	60	68			
		vein 1	70	73	90 or 270	16	0, 180, Other	0	14		90 or 270	72	76			
		vein 2	70	73	90 or 270	50	0, 180, Other	304	0		90 or 270	72	76			
vein	75	78	90 or 270	62	0, 180, Other	12	0		90 or 270	75	78					
vein	75	78	90 or 270	79	0, 180, Other	349	0		90 or 270	75	78					



Site: *MM A*

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					az	plunge	az	plunge	rake	from	top	bottom	Dec	Inc	
38	1	bedding	18	10	90 or 270	3	180	1		90 or 270	61	121			
39		none			90 or 270		0, 180, Other	other or 0		90 or 270					
40R	1	foliation	7	9	90 or 270	5	0	12		90 or 270	7	10			
		vein	7	9	90 or 270	30	15	0		90 or 270	7	10			
	1	foliation	21	22	90 or 270	10	0	9		90 or 270	21	24			
	2	foliation	62	65	90 or 270	6	0	7		90 or 270	62	66			
		vein	5	7	90 or 270	7	180	1		90 or 270					
		foliation	5	7	90 or 270	87	45	0		90 or 270					
	A	foliation	16	20	90 or 270	4	0	1		90 or 270					
42R	1	foliation	5	8	90 or 270	37	180	17		90 or 270	5	8			
		foliation	16	23	90 or 270	34	0	47		90 or 270	13	26			
		vein	15	17	90 or 270	46	70	0		90 or 270	13	26			
		vein/fol.	21	26	90 or 270	35	0	48		90 or 270	13	26			
		vein	23	26	90 or 270	46	0	45		90 or 270	13	26			
	CE	foliation	3	9	90 or 270	65	180	9		90 or 270	1	18			
		discont.	5	10	90 or 270	40	180	23		90 or 270	1	18			
		irregular veins	13	19	90 or 270					90 or 270	1	18			
43R		none			90 or 270		0, 180, Other	other or 0		90 or 270					
					90 or 270		0, 180, Other	other or 0		90 or 270					
					90 or 270		0, 180, Other	other or 0		90 or 270					
					90 or 270		0, 180, Other	other or 0		90 or 270					
					90 or 270		0, 180, Other	other or 0		90 or 270					
					90 or 270		0, 180, Other	other or 0		90 or 270					
					90 or 270		0, 180, Other	other or 0		90 or 270					
					90 or 270		0, 180, Other	other or 0		90 or 270					

*dumped over*





Site: 1414 A

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Core	Sec.	Structure ID	Top of struct	Bottom of struct	Core face app. plunge		2nd app. plunge		Striation on surface		Coherent int for pmag		P-mag pole		Note
					az	plunge	az	plunge	rake	from	top	bottom	Dec	Inc	
45	1	Foliation	6	7	90 or 270	5	0	1		90 or 270	0	16			
		Foliation	50	52	90 or 270	12	180	1		90 or 270	47	57			
		Vein w/ Pyrite	66	69	90 or 270	19	0	69		90 or 270	66	71			
		Vein young	74	77	90 or 270	4	180	11		90 or 270	74	79			SOME SHEAR
		Vein old	74	79	90 or 270	75	345	0		90 or 270	74	79			EXTENSIONAL - PYRITE - QZ
		NET OF PY-QZ VEINS	84	95	90 or 270					90 or 270					
		BEIN PYR	114	115	90 or 270	3	0	1		90 or 270	101	115			
		VEIN	116	117	90 or 270	8	180	43		90 or 270	116	127			
		VEIN	120	125	90 or 270	27	180	12		90 or 270	116	127			
		VEIN	123	124	90 or 270	18	0	44		90 or 270	116	127			
	2	VEIN	4	5	90 or 270	3	180	4		90 or 270	0	13			QZ FIBERS - EXT
		VEIN	2	2	90 or 270	3	0	0		90 or 270	0	13			
		VEIN NETWORK	28	44	90 or 270					90 or 270	0				
		VEIN	44	46	90 or 270	19	0	12		90 or 270	44	78			
		VEIN	57	63	90 or 270	37	0	6		90 or 270	44	79			QZ
		CONJOINT VEINS	64	66	90 or 270					90 or 270					
		VEIN	93	98	90 or 270	41	180	30		90 or 270	83	97			QZ + Py
		VEIN	90	98	90 or 270	60	347	0		90 or 270	83	97			
		VEIN	124	125	90 or 270	19	180	32		90 or 270	117	125			Py + QZ + BASALT BRUCCIA
		VEIN	134	143	90 or 270	88	14	0		90 or 270	134	143			
3	VEIN	3	3	90 or 270	2	0	7		90 or 270	0	4				
									90 or 270						
									90 or 270						
									90 or 270						
									90 or 270						

Site: 1415A

Exp. 344 Structural Geology Observation Sheet

Core	Sec.	Structure ID	Top of struct	Bottom of struct	Core face app. plunge		2nd app. plunge		Striation on surface		Coherent int for pmag		P-mag pole		Note
					az	plunge	az	plunge	rake	from	top	bottom	Dec	Inc	
46R	1	vein (clay)	35	53	90 or 270	64	0, 180, Other	other or 0		90 or 270	22	54			
	1	vein mineral	59	64	90 or 270	28	0, 180, Other	other or 0		90 or 270	54	76			
	1	vein on fault	99	106	90 or 270	64	0, 180, Other	other or 0	2	90 or 270					
	2	vein	31	31	90 or 270	1	0, 180, Other	other or 0		90 or 270					
	3	fa.	7	10	90 or 270	3	0, 180, Other	other or 0		90 or 270	0	17			
	4	vein	38	40	90 or 270	1	0, 180, Other	other or 0		90 or 270	23	59			
					90 or 270		0, 180, Other	other or 0		90 or 270					
	1	vein	65	70	90 or 270	14	0, 180, Other	other or 0		90 or 270	54	76			
					90 or 270		0, 180, Other	other or 0		90 or 270					
					90 or 270		0, 180, Other	other or 0		90 or 270					
47R	2	vein (spice clay)	16	19	90 or 270	25	0, 180, Other	other or 0		90 or 270	0	33			
		vein mineral	88	90	90 or 270	23	0, 180, Other	other or 0		90 or 270	39	74			
	3	vein	4	4	90 or 270	4	0, 180, Other	other or 0		90 or 270	0	28			
			9	11	90 or 270	8	0, 180, Other	other or 0		90 or 270					
			11	14	90 or 270	18	0, 180, Other	other or 0		90 or 270					
			23	26	90 or 270	22	0, 180, Other	other or 0		90 or 270					
			79	86	90 or 270	55	0, 180, Other	other or 0		90 or 270	60	96			
					90 or 270	31	0, 180, Other	other or 0		90 or 270	131	140			
					90 or 270		0, 180, Other	other or 0		90 or 270					
					90 or 270		0, 180, Other	other or 0		90 or 270					
48R	2	vein	48	50	90 or 270	28	0, 180, Other	other or 0		90 or 270	46	66			
			51	51	90 or 270	2	0, 180, Other	other or 0		90 or 270	46	66			
			55	55	90 or 270	6	0, 180, Other	other or 0		90 or 270	46	66			
			96	99	90 or 270	31	0, 180, Other	other or 0		90 or 270	88	99			
			116	118	90 or 270	22	0, 180, Other	other or 0		90 or 270	104	115			
	3		35	38	90 or 270	15	0, 180, Other	other or 0		90 or 270	30	45			
			61	63	90 or 270	10	0, 180, Other	other or 0		90 or 270	57	75			

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Core	Sec.	Structure ID	Top of struct	Bottom of struct	Core face app. plunge		2nd app. plunge		Striation on surface		Coherent int for pmag		P-mag pole		Note
					az	plunge	az	plunge	rake	from	top	bottom	Dec	Inc	
48R	3	vein	83	83	90 or 270	0	0	0		90 or 270	77	108			
		vein	108	109	90 or 270	21	180	15		90 or 270	77	108			
49R	1	vein	5	14	90 or 270	71	3	0		90 or 270	4	18			qtz
	1	vein	51	52	90 or 270	11	180	12		90 or 270	35	66			qtz
	1	vein	74	77	90 or 270	23	180	3		90 or 270	69	110			qtz fibers - ext in-schistosity
	1	vein	81	90	90 or 270	52	25	0		90 or 270	69	110			
	1	vein young	95	109	90 or 270	55	180	25		90 or 270	69	110			
		vein older	107	107	90 or 270	6	0	5		90 or 270	69	110			
	1	vein	113	114	90 or 270	10	180	1		90 or 270	112	148			
	1	vein	119	129	90 or 270	72	20	0		90 or 270	112	148			
	2	deformation zone	75	84	90 or 270	68	332	0		90 or 270	58	84			
50R	1	veins (Chl?)	66	72	90 or 270	4	180	6		90 or 270	66	72			
	2	vein (Chl)	60	66	90 or 270	53	180	63		90 or 270	56	66			
		vein (Chl)	120	120	90 or 270	4	180	22		90 or 270	110	122			
51R	1	vein	13	29	90 or 270	71	25	0		90 or 270	12	33			
		"	52	62	90 or 270	24	29	0		90 or 270	34	72			
	2	"	78	83	90 or 270	56	328	0		90 or 270	64	23			
	3	"	0	11	90 or 270	65	180	49		90 or 270	0	105			
		"	14	17	90 or 270	25	0	15		90 or 270					
		fault of vein	22	36	90 or 270	61	46	0	83	90 or 270					light porphyry
		vein	40	54	90 or 270	73	180	55		90 or 270					
		"	109	112	90 or 270	28	0	29		90 or 270	105	120			
		"	112	115	90 or 270	26	0	24		90 or 270	"	"			
		"	129	131	90 or 270	23	180	31		90 or 270	121	135			
		"	130	133	90 or 270	24	180	30		90 or 270	"	"			

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					az	plunge	az	plunge	rake	from	top	bottom	Dec	Inc	
51R	4	vein	92	95	90 or 270	30	0	56		90 or 270	61	21			
	"	"	85	87	90 or 270	14	0	50		90 or 270	22	98			
	"	"	124	12A	90 or 270	46	0	0		90 or 270	124	131			
	5	"	9	11	90 or 270	45	0	0		90 or 270	9	17			
52R	1	"	15	21	90 or 270	63	0	0		90 or 270	2	22			
	"	"	45	47	90 or 270	11	0	24		90 or 270	32	49			
	"	"	112	112	90 or 270	1	0	14		90 or 270	112	115			
53R	1	"	27	37	90 or 270	76	0	0		90 or 270	21	39			
	"	"	711	137	90 or 270	85	0	0		90 or 270	111	132			
	2	"	86	94	90 or 270	50	0	0		90 or 270	74	96			
	3	"	48	55	90 or 270	45	0	0		90 or 270	46	77			
	4	"	132	137	90 or 270	32	0	12		90 or 270	128	145			
54R	3	"	64	71	90 or 270	43	0	0		90 or 270	47	133			
	5	"	56	59	90 or 270	22	0	26		90 or 270	55	89			
55R	1	aligned veins	90	101	90 or 270	9	0	15		90 or 270					
	2	vein	106	108	90 or 270	1	355	0		90 or 270	90	106			Qu
	3	vein	0	8	90 or 270	5	0	75		90 or 270	1	12			Qu, coarse; alteration
	3	vein	37	39	90 or 270	12	0	4		90 or 270	30	43			alt.
	3	vein	85	85	90 or 270	1	180	2		90 or 270	84	87			Qu
56R	1	Fevee slides alteration	15	28	90 or 270	45	180	65	15	90 or 270	15	23			Qu - fibres
			88	97	90 or 270	60	1	0		90 or 270	88	95			



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					az	plunge	az	plunge	rake	from	top	bottom	Dec	Inc			
5PR	1	Laminations (Foliation)	13	13	90 or 270	2	180	1				11	17				
	4		41	42	90 or 270	7	180	13				36	60				
	4		52	53	90 or 270	12	180	13				4	7				
	4		81	82	90 or 270	6	180	1				60	116				
	4	NF Foliation	124	131	90 or 270	82	10	0	13	90 or 270		124	142				
	4		135	137	90 or 270	20	0	9				9	9				
	4				90 or 270												
	2	4	1	2	90 or 270	3	180	7				0	21				
	4		30	30	90 or 270	2	180	2				22	33				
	3	verm	33	34	90 or 270	2	180	8									
			4	5	90 or 270												
			4	6	90 or 270												
			4	7	90 or 270												
4			8	90 or 270													
2	P foliation?	4	5	90 or 270	7	180	12								P?		
4	4	5	6	90 or 270											Y?		

← pressure solution change? just above basalt  
51-97 brecciated basalt.  
supported by vein.

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					az	plunge	az	plunge	rake	from	top	bottom	Dec	Inc	
19R	1	vein	11	110	90 or 270	86	0, 180, Other	1	0						
	2	"	33	33	90 or 270	1	0, 180, Other	0	3	90 or 270					
60R	1	"	16	16	90 or 270	9	0, 180, Other	180	6	90 or 270	29	33			
	7	"	32	33	90 or 270	7	0, 180, Other	0	37	90 or 270	14	48			
	9	"	52	63	90 or 270	86	0, 180, Other	2	0	90 or 270	"	"			
	9	"	82	82	90 or 270	7	0, 180, Other	180	53	90 or 270	48	105			
	9	"	125	133	90 or 270	58	0, 180, Other	180	16	90 or 270	4	4			
	3	"	9	25	90 or 270	77	0, 180, Other	356	0	90 or 270	122	147			
	4	"	121	123	90 or 270	15	0, 180, Other	0	1	90 or 270	0	25			
					90 or 270		0, 180, Other			90 or 270	11A	12A			
					90 or 270		0, 180, Other			90 or 270					
					90 or 270		0, 180, Other			90 or 270					
(57R)	1	vein (mineral)	41	44	90 or 270	17	0, 180, Other	180	5	90 or 270	16	65			
		"	60	61	90 or 270	9	0, 180, Other	0	2	90 or 270	"	"			
		"	62	63	90 or 270	12	0, 180, Other	180	7	90 or 270	"	"			
		"	95	77	90 or 270	7	0, 180, Other	180	3	90 or 270	4	4			
		"	91	93	90 or 270	12	0, 180, Other	0	19	90 or 270	50	97			
		"	111	118	90 or 270	44	0, 180, Other	0	5	90 or 270	"	"			
		"	123	125	90 or 270	28	0, 180, Other	180	42	90 or 270	100	126			
	2	vein (day)	19	21	90 or 270	15	0, 180, Other	180	32	90 or 270	"	"			
		vein (mineral)	30	31	90 or 270	19	0, 180, Other	180	56	90 or 270	0	49			
		"	42	43	90 or 270	47	0, 180, Other	180	32	90 or 270	"	"			
		"	49	52	90 or 270	35	0, 180, Other	0	21	90 or 270	49	55			
		"	56	64	90 or 270	73	0, 180, Other	0	46	90 or 270	56	64			
					90 or 270		0, 180, Other			90 or 270					
				90 or 270		0, 180, Other			90 or 270						
				90 or 270		0, 180, Other			90 or 270						
				90 or 270		0, 180, Other			90 or 270						

