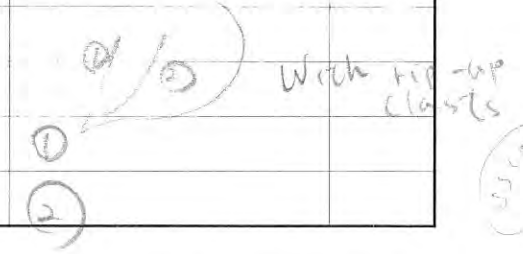
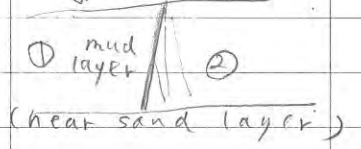
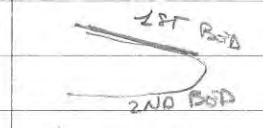


Exp. 362 Structure Observation Sheet

Site: 1481A

Core	Section	Top [cm]	Bottom [cm]	Structure	Type	Fault/shear zone observation 1	Shear zone observation 2	Apparent offset	Structure geometry	Breccia clast size	Structural Confidence	Confidence detail	Core Reference Frame				Link Files	
													Core face app. plunge	2nd app. plunge	Lineation			
												azimuth	plunge	azimuth	plunge	rake	from	Comments
Example						deformation band/shear band/slickenside/slickeline	cataclastic/compaction/riedel/S-C		planar/curved/wavy/anastomosing/polygonal/broad/open/closed/tight/upright/overturbed	uniform/variable	0-1.0		90 or 270				90 or 270	
U148 1AR	2W	18	18	bedding							0.9	90 or 270	1	0	7		90 or 270	
	1W	14	15	SWMP-BED								90 or 270	14	0	10		90 or 270	
		18	18	"								90 or 270	5	0	1		90 or 270	
3R	7W	62	63	bedding							0.8	90 or 270	1	0	0.5		90 or 270	thin bed
3R	5W	48	50	bedding							0.7	90 or 270	0	0	2		90 or 270	tuff(?) layer
4R	1W	35	37	bedding							0.7	90 or 270	0	0	1		90 or 270	
4R	4W	60	62	"							0.8	90 or 270	0	0	0.5		90 or 270	
4R	5W	6	7	"							0.8	90 or 270	1	0	1.5		90 or 270	
5R	2W	56	58	"							0.8	90 or 270	1	0	2		90 or 270	
5R	1W	86	88	"							0.8	90 or 270	1	180	0.5		90 or 270	
6R	1W	70	71	"	erosional						0.8	90 or 270	1	180	1		90 or 270	below sand layer
6R	1W	61	62	"	erosional						0.6	90 or 270	6	180	0.5		90 or 270	sand layer
6R	2W	54	55	"	erosional						0.6	90 or 270	3	180	1		90 or 270	"
"	"	71	72	"	erosional						0.6	90 or 270	3	0	4		90 or 270	angular
"	3W	81	83	"	erosional						0.6	90 or 270	3	0	2.5		90 or 270	
"	4W	122	123	"							0.7	90 or 270	2	0	0		90 or 270	(near sand layer)
"	4W	16	17	"							0.8	90 or 270	2	0	0		90 or 270	
"	3W	36	38	"							0.6	90 or 270	4	180	6		90 or 270	near sand layer
"	3W	82	84	"							0.4	90 or 270	8	180	1		90 or 270	② High-angle sand layer
7R	1W	37	37	BED								90 or 270	1	0	0		90 or 270	
8R	1W	5	6	BED							0.9	90 or 270	5	0	2		90 or 270	
9R	2W	49	50	BED								90 or 270	5	0	1		90 or 270	
10R	2W	86	86	BED								90 or 270	1	180	1		90 or 270	
11R	1W	12	12	BED								90 or 270	1	0	2		90 or 270	
12R	2W	33	35	Bed							0.8	90 or 270	0	0	0		90 or 270	
12R	2W	22	25	Slump fold							0.4	90 or 270	5				90 or 270	①
"	"	22	25	"							0.4	90 or 270	18				90 or 270	②

But coherent mud layer



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4

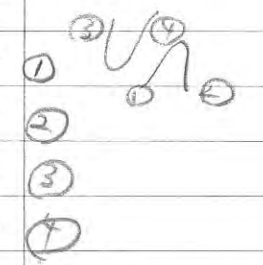
Exp. 362 Structure Observation Sheet

Site: 1481A

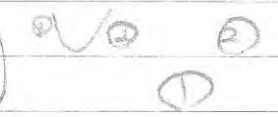
Core	Section	Top [cm]	Bottom [cm]	Structure	Type	Fault/shear zone observation 1	Shear zone observation 2	Apparent offset	Structure geometry	Breccia clast size	Structural Confidence	Confidence detail	Core Reference Frame			rake	from	Comments	Link Files
													Core face app. plunge azimuth	plunge	2nd app. plunge azimuth				
Example						deformation band/shear band/slickenside/slickeline	cataclastic/compaction/riedel/S-C		planar/curved/wavy/nastomosing/polygonal/broad/open/closed/tight/upright/overturbed	uniform/variable	0 - 1.0		90 or 270				90 or 270		
12R	1W	38	40	bed.							0.8		90 or 270	1	0	2		90 or 270	
13R	1W	32	34	Bed							0.8		90 or 270	0	180	1		90 or 270	
14R	1W	106	107	Bed							0.8		90 or 270	0	0	0		90 or 270	
14R	2W	27	29	Bed.							0.7		90 or 270	1	180	3		90 or 270	
"	"	46	47	slump							0.4		90 or 270	4				90 or 270	①
"	"	46	47	"							0.4		90 or 270	4				90 or 270	②
"	"	45	46	"							0.4		90 or 270	1				90 or 270	③
"	"	45	46	"							0.4		90 or 270	24				90 or 270	④
"	"	60	67	" slump fold in cemented sand stone.							0.4		90 or 270					90 or 270	
"	3W	43	44	bed.							0.6		90 or 270	4	0	2		90 or 270	below sand layer
15R	1W	22	24	slump fold.							0.4		90 or 270	11				90 or 270	⑤
15R	1W	24	25	"							0.4		90 or 270	22				90 or 270	⑥
15R	1W	42	44	Bed							0.8		90 or 270	0.5	0	1		90 or 270	
15R	2W	72	74	Bed.							0.8		90 or 270	15	180	2		90 or 270	
15R	4W	93	94	Bed.							0.8		90 or 270	0.5	180	2		90 or 270	
15R	3W	49	76	Rip-up clast							0.4		90 or 270					90 or 270	Associated with thick sand layer.
15R	2W	7	14	"							0.4		90 or 270					90 or 270	
16R	3W	25	25	Bed							0.9		90 or 270	2	0	3		90 or 270	
17R	1W	60	60	Bed							0.9		90 or 270	1	0	0		90 or 270	
18R	1W	45	45	Bed							0.8		90 or 270	3	180	1		90 or 270	
19R	3W	100	100	Bed							0.9		90 or 270	1	180	4		90 or 270	
19R	5W	45	45.5	Fault		Synsed		offset 1-2 mm			0.9		90 or 270	43				90 or 270	
				Faults		"		"			0.9		90 or 270					90 or 270	
				Faults		"		"			0.9		90 or 270					90 or 270	Not possible to measure
20R	1W	109	110	Bedding	sharp						0.8		90 or 270	1	0	1		90 or 270	(abundant sand layer + rip-up clasts)
21R	2W	124	125	Bedding							0.8		90 or 270	1.5	0	1.5		90 or 270	
21R	1W	46	47	Bedding							0.8		90 or 270	0	0	2		90 or 270	

P-mag 21-58

P-mag 33-48



below sand layer

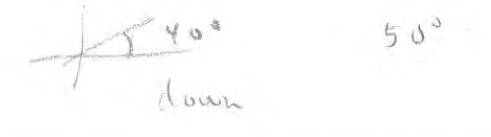


Associated with thick sand layer.

Exp. 362 Structure Observation Sheet																			
Site: 1481A																			
Core	Section	Top [cm]	Bottom [cm]	Structure	Type	Fault/shear zone observation 1	Shear zone observation 2	Apparent offset	Structure geometry	Breccia clast size	Structural Confidence	Confidence detail	Core Reference Frame				Comments	Link Files	
													Core face app. plunge		2nd app. plunge				Lineation
												azimuth	plunge	azimuth	plunge	rake	from		
Example						deformation band/shear band/slickenside/slickeline	cataclastic/compaction/riedel/S-C		planar/curved/wavy/nastomosing/polygonal/broad/open/closed/tilt/upright/overturbed	uniform/variable	0-1.0		90 or 270					90 or 270	
21R	3W	41	43	Bedding sharp							0.8		90 or 270	0.5	0	0		90 or 270	
22R	3W	119	118	Bedding							0.8		90 or 270	1.5	0	1		90 or 270	
22R	2W	20	21	Bedding							0.8		90 or 270	1	0	0.5		90 or 270	
23R	5W	9	9	Bedding							0.8		90 or 270	1	180	1.5		90 or 270	
23R	4W	5	7	"							0.8		90 or 270	2	180	2		90 or 270	
23R	3W	49	51	"							0.8		90 or 270	2	180	1		90 or 270	Below cemented sand, 70%
23R	1W	64	66	"							0.8		90 or 270	0	0	0.5		90 or 270	
23R	1W	121	123	?	(compaction band?)						0.7		90 or 270	5	180	0.5		90 or 270	Within sand
"	"	86	88	?							0.7		90 or 270	6	180	0.5		90 or 270	"
24R	6W	66	66	Bed							0.9		90 or 270	1	180	3		90 or 270	THIS CORE SHINES FOR THE ABSENCE OF STRUCTURES
25R	1W	35	35	beds							0.9		90 or 270	1	180	4		90 or 270	
26R	2W	26	26										90 or 270	1	0	1		90 or 270	
26R	1W	115	117	vein structure?							0.7		90 or 270	56				90 or 270	
27R	2W	114	115	Bedding							0.8		90 or 270	2	0	1		90 or 270	
27R	3W	85	86	"							0.8		90 or 270	1	0	4		90 or 270	
27R	4W	29	30	"							0.8		90 or 270	3	0	0		90 or 270	
27R	4W	90	94	vein structure?							0.6		90 or 270	88				90 or 270	
27R	7W	64	66	Bedding							0.8		90 or 270	0	180	1		90 or 270	
28R	1W	35	37	Bedding							0.8		90 or 270	1	0	4		90 or 270	
28R	6W	7	8	Bedding							0.8		90 or 270	4	0	0.5		90 or 270	
28R	4W	38	39	slump fold							0.4		90 or 270	1.5				90 or 270	Upper axis
"	"	38	39	"							0.4		90 or 270	5				90 or 270	Lower axis
28R	5W	17	18	bedding							0.8		90 or 270	1.5	0	1		90 or 270	light-colored silty layer
28R	5W	113	116	Black thin fracture							?		90 or 270	86				90 or 270	
28R	7W	11	12	slump fold							0.4		90 or 270	6				90 or 270	Upper axis
28R	7W	11	12	slump fold							0.4		90 or 270	2				90 or 270	Lower axis
													90 or 270					90 or 270	

very thin
very thin

34R double // respect to vertical dip-slip fault



SECT. 1 base (34R)

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Exp. 362 Structure Observation Sheet																				
Site: 1481A				Core Reference Frame																
Core	Section	Top [cm]	Bottom [cm]	Structure	Type	Fault/shear zone observation 1	Shear zone observation 2	Apparent offset	Structure geometry	Breccia clast size	Structural Confidence	Confidence detail	Core face app. plunge		2nd app. plunge		Lineation		Comments	Link Files
													azimuth	plunge	azimuth	plunge	rake	from		
Example						deformation band/shear band/slickenside/slickeline	cataclastic/compaction /riedel/S-C		planar/curved/wavy/a nastomosing/polygonal/broad/open/closed /tight/upright/overtur ned	uniform/variable	0-1.0		90 or 270					90 or 270		
29R	4W	80	82	Bedding							0.8		90 or 270	2	0	3				
29R	2W	8	8.2	Bedding							0.8		90 or 270	1	0	2				base of bioturbated interval
29R	4W	28	34	Black thin small fracture							?		90 or 270							
30R	2W	51	51	Bed							0.9		90 or 270	1	0	1				
	4W	137	142	Fault	Normal	spikelines					0.6	(Natural or drilling-induced)	90 or 270	27	180	18	28	90 or 270		Mag of fault.
31R	4W	65	65	Bed							1		90 or 270	1	0	1				
	2W	126	129	Fault	reverse						1		90 or 270	25	0	11	4	90 or 270		0.4cm offset; mag of FN in red-brown mudstone
32R	5W	129	135	fault	indet.	polished striated surf					0.4		90 or 270	42	0	14				
	5W	129	131	fault	indet.	polished striated surf					0.4		90 or 270	27	0	36	3	90 or 270		potential for drilling-reachd fault(?)
	6W	81	85	fault	indet.	polished surface					0.3		90 or 270	25	180	3	4	90 or 270		
	6W	61	70	fault	indet.						0.1		90 or 270	48	0	14				upward tip be truncated by continuous silty layer above
P-mag 10-12	3W	12	15	fault	normal	2mm offset					0.5		90 or 270	60	25	0	11	90 or 270		displace diagenetic layer does not extend, occasionally observed
	2W	36	39	Black thin small fractures		(vein structure)					?		90 or 270	88						
P-mag 11-12	1W	118	120	fault	normal	5mm? offset					0.5		90 or 270	20	0	3	4	90 or 270		small offset
P-mag 8-4	4W	10	12	syn-sed slump fold		(upper limb)					0.3		90 or 270	10						
	"	"	"	"		(lower limb)					0.3		90 or 270	1						
	2W	139	142	micro fault		indet. (normal?)	1mm offset?				0.4		90 or 270	25						conjugate (100)
	"	"	"	"		"	"				"		90 or 270	6						
	8W	59	60	Bedding							0.7		90 or 270	0.5	180	2				
	6W	59	60	Bedding							0.7		90 or 270	2	180	3				
33R	4W	72	73	Bedding							0.8		90 or 270	13	0	4				
33R	7W	56	61	Fault	indet.						0.3		90 or 270	49	320	0	18	90 or 270		No offset.
33R	7W	72	73	Bedding							0.8		90 or 270	0	180	1				
"	"	79	84	Fault	normal						0.4		90 or 270	39	334	0	40	90 or 270		5mm offset
"	6W	60	71	Fault	indet.						0.4		90 or 270	66	2	90	1	90 or 270		no offset photo
"	5W	18	23	Fault	indet.						0.3		90 or 270	44	359	0	2	90 or 270		"

P-mag 65- slickenside imaged

close-up photo

photo

360
- 11
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360
- 21
339

90-270
349

Exp. 362 Structure Observation Sheet

Site:													Core Reference Frame				Comments	Link Files	
Core	Section	Top [cm]	Bottom [cm]	Structure	Type	Fault/shear zone observation 1	Shear zone observation 2	Apparent offset	Structure geometry	Breccia clast size	Structural Confidence	Confidence detail	Core face app. plunge azimuth	Core face app. plunge plunge	2nd app. plunge azimuth	2nd app. plunge plunge			Lineation rake
Example						deformation band/shear band/slickenside/slickeline	cataclastic/compaction /riedel/S-C		planar/curved/wavy/a nastomosing/polygon al/broad/open/closed /tight/upright/overtur ned	uniform/variable	0-1.0		90 or 270					90 or 270	
34R	7W	25	32	fault	normal						0.7		90 or 270	48	0	34	28	90 or 270	offset diagenetic surface
		29	30	bedding							0.6		90 or 270	12	180	2		90 or 270	diagenetic surface
		32	37	fault	indet						0.6		90 or 270	43	0	41	23	90 or 270	curved downward surface; mid-pt measured
	7W	36	48										90 or 270	40				90 or 270	both situations & large-scale grooves
													90 or 270					90 or 270	
	6W	36	43	fault	indet						0.6		90 or 270	40	180	21	42	90 or 270	offset green diagenetic horizon; not seen in 7W
		66	72	fault	indet						0.5		90 or 270	51	180	37	60	90 or 270	
		60	64	fault	indet						0.4		90 or 270	33	180	20	37	90 or 270	
35R	6W	94	94	Bed							0.9		90 or 270	0	0	5		90 or 270	
	3W	53	56	Fault	Normal						0.2		90 or 270	33	180	34	34	90 or 270	
		82	85	Fault	Normal						0.2		90 or 270	34	0	4	16	90 or 270	
	8W	66	71	Fault	Normal						0.2		90 or 270	44	0	8	16	90 or 270	
	2W	5	10	Deformation bands - some evidence of reverse movement - (offset of 1-2 mm)									90 or 270					90 or 270	
36R	1W	94	94	Bed									90 or 270	2	0	1		90 or 270	
37R	4W	38	38	Bed									90 or 270	0	0	1		90 or 270	(probably sedimentary)
38R	3W	0	75	Breccia (red)	angular		* probably sedimentary			variable slightly angular	0.4		90 or 270					90 or 270	Below brecciated drilling disturbance
38R	1W	41	49	bedding							0.8		90 or 270	0	0	2		90 or 270	below sand layer
38R	4W	29	30	Bedding							0.8		90 or 270	1	0	4		90 or 270	
38R	3W	80	84	Faults (indet)			①				0.3		90 or 270	38	180	22	30	90 or 270	① Brecciated zone below sedimentary breccia (green mud)
38R	2W	98	100	Faults (indet)							0.3		90 or 270	42	339	0	25	90 or 270	Multiple fractures
38R	3W	89	91	Fault (indet)			②				0.3		90 or 270	56	349	0	0	90 or 270	Brecciated zone in red clay. (Below sandy slump?) facet
38R	4W	22	26	Fracture (shear zone?)							0.6		90 or 270	33	63	0		90 or 270	
													90 or 270					90 or 270	
													90 or 270					90 or 270	
													90 or 270					90 or 270	
													90 or 270					90 or 270	

Close-up
⊗