

STATION	AREA (Fig. 2 domain)	UTM_X	UTM_Y	Category*	STRIKE	DIP	DIR SLICK. LIN	TREND	PLUNGE	Comments
3-224	Mammon Mine (A)	764823	3783119	1	86	17	S			sharp, planar contact at base of resistant hematite+carbonate mineralized zone (probably principal slip plane)
3-225	Mammon Mine (A)	764839	3783122	4	116	24	SW	262	14	≤2 m above principal slip plane (p.s.p.); subtle grooves
3-226	Mammon Mine (A)	764909	3783271	1	63	26	SE	227	8	subtle grooves trend = 227 ± 5°
3-227	Mammon Mine (A)	765000	3783207	2	95	16	S	234	10.5	excavated exposure; continuous, planar surface ~1/3 m above p.s.p.
3-228	Mammon Mine (A)	765041	3783210	1	45	18	SE			road cut exposure
3-124	W Pride Mine (B)	771287	3782627	1	172	12	W	218	9	top of ~1 m thick ultracataclasite ledge
3-124	W Pride Mine (B)			1				202	6	
3-125	W Pride Mine (B)	771284	3782764	1	207	12	NW	211	1	top of exposed ultracatclasite
3-126	W Pride Mine (B)	771268	3782729	1	180	12	W			excavated exposure; S-C gouge fabric and R shear suggest top-NE slip
3-127	W Pride Mine (B)	771336	3782334	3	169	15	W			detachment splits into two strands here w/ mylonitic carbonate in middle plate
3-127	W Pride Mine (B)			3	205	10	NW	221	3	slip surfaces here are ~1 m below upper detachment
3-128	W Pride Mine (B)	771343	3782159	1	162	20.5	W			lower brittle detachment above ~0.5-1 m thick ultracataclasite zone; possible slick set oriented 262, 15 (too subtle to confirm)
3-129	W Pride Mine (B)	771360	3782133	1	176	22	W			lower detachment
3-130	W Pride Mine (B)	771544	3781937	1	170	40	W			lower detachment; S-C fabric in carbonate mylonite middle plate indicates apparent top-NE shear
3-131	W Pride Mine (B)	771498	3781977	1	160	38	SW			lower detachment
3-133	W Pride Mine (B)	771518	3782046	1	259	37.5	N			lower detachment (? less alteration & brecciation here)
3-212	Pride Mine (B)	773275	3782253	1	208	28	W			
3-213	Pride Mine (B)	773458	3782322	1	201	16	W			
3-213	Pride Mine (B)			1	214	8	NW	227	2.5	≤10 cm below p.s.p.; a few R shears suggest top-NE slip
3-215	Pride Mine (B)	773226	3782542	1	213	33	NW			main detachment?
3-216	Pride Mine (B)	773439	3782800	1	210	25	NW	253	17.5	
3-216	Pride Mine (B)			1				222	5.5	
3-216	Pride Mine (B)			1				247	15.5	slick set trending 247-253 is better preserved than 222
3-217	Pride Mine (B)			1	215	25	NW	232	8	~0.3 m thick ultracataclasite ledge
3-217	Pride Mine (B)			1				28	3.5	subtle slicks
3-217	Pride Mine (B)			1				21	9	
3-217	Pride Mine (B)	773460	3782809	1				8	12	slick set best preserved on <1 mm thick mineralized coating on p.s.p.
3-218	Pride Mine (B)	773374	3782978	1	98	28	S			p.s.p.?
3-137	Mineral Wash (C)	224357	3788294	1	271	20	N	359	20	top of exposed ultracataclasite ledge
3-137	Mineral Wash (C)			2	297	26	N	55	24	~15 cm below p.s.p.; another possible slick set trending ~65
3-137	Mineral Wash (C)			2	256	19	N	314	17.5	~15 cm below p.s.p.
3-137	Mineral Wash (C)			2	282	20	N			possible NW-trending slicks
3-140	Mineral Wash (C)	775731	3789324	1	232	6	NW	43	0.8	ultracataclasite ledge ~0.5-0.75 m thick
3-141	Mineral Wash (C)	775755	3789319	1	207	10	NW			possible slicks trending ~220-230; S-C fabric in oriented thin section of u.catacl. indicates top-NE slip; NE-trending undulation in surface that merges w/ p.s.p.
3-144	Mineral Wash (C)	775785	3789321	1	232	16	NW	303	15.5	surface at top of ultracataclasite; subtle slicks
3-144	Mineral Wash (C)			1				312	16	R shear suggests reverse (top-SE) slip
3-145	Mineral Wash (C)	776015	3789458	1	229	27	NW			surface at top of ultracataclasite
3-145	Mineral Wash (C)			1	217	30	NW	317	30	~2 cm below top of ultracataclasite
3-145	Mineral Wash (C)			1				234	9.5	
3-146	Mineral Wash (C)	776037	3789500	1	227	8	NW	331	7.5	top of exposed ultracatclasite
3-148	Mineral Wash (C)	776070	3789658	1	238	6	NW			
3-149	Mineral Wash (C)	776129	3789707	1	213	6	NW			possible slicks trending ~290-295
3-150	Mineral Wash (C)	776162	3789722	1	218	28	NW			possible slicks trending ~292
3-150	Mineral Wash (C)			1	224	21	NW			
3-157	Mineral Wash (C)	775980	3790500	2	340	4	NE	145	2	~0.2-0.5 m below p.s.p.
3-158	Mineral Wash (C)	775965	3790487	2	303.5	4	NE	350	4	polished ultracataclasite surface 3-15 cm below p.s.p.; subtle slicks
3-159	Mineral Wash (C)	775964	3790475	2				331.5	2	curviplanar polished surface ~5-20 cm below p.s.p.
3-160	Mineral Wash (C)	775790	3790432	2	55	2	SE	130	2	curviplanar polished surface ~5-20 cm below p.s.p.
3-160	Mineral Wash (C)			1	208	8	NW			polished base of coherent upper plate
3-162	Mineral Wash (C)	775590	3790802	1	222	4	NW	40	0.5	
3-162	Mineral Wash (C)			5	11	16	E	49	10	curviplanar surface 0.4 to 0.5 m below p.s.p.; discordant to very gently NW-dipping p.s.p.
3-162	Mineral Wash (C)			5				64	8	
3-162	Mineral Wash (C)			5				80	8	
3-199	Squaw Peak (D)	228089	3784550	1	112	4	S			ultracataclasite ledge ~0.75-1 m thick; strike=112±20°

3-200	Squaw Peak (D)	228376	3784342	1	195	8	W	221	3	polished plane near top of ultracataclasite ledge
3-201	Squaw Peak (D)	228334	3784246	1	242	3.5	NW	30	2	top of ~15 cm thick ultracataclasite ledge
3-202	Squaw Peak (D)	228316	3784222	1				61	0.1	
3-202	Squaw Peak (D)			1				48	1	
3-202	Squaw Peak (D)			1				37	1.5	
3-203	Squaw Peak (D)	228769	3783562	1	273	8	N			top of ultracataclasite ledge
3-204	Squaw Peak (D)	228127	3783635	1	320	5	NE	39	5	slicks on surface 5 cm below p.s.p.; calcite veinlets w/ apparent NE-dip in oriented thin section of ultracataclasite suggest top-NE slip
3-205	Squaw Peak (D)	227922	3783665	2				197	1	curvilinear surface ≤0.3 m below p.s.p.
3-206	Squaw Peak (D)	227670	3784062	1	359	11	E			
3-208	Squaw Peak (D)	227693	3784127	1	31	7	SE			very subtle slicks trending ~40-50°
3-209	Squaw Peak (D)	227700	3784149	2				218	5	curvilinear surface at top of ultracataclasite
3-210	Squaw Peak (D)	227820	3784387	1	50	7	SE			
3-211	Squaw Peak (D)	228014	3784561	2	56	7	SE	208	4	very smooth, planar surface ~0.5 m below p.s.p.
3-211	Squaw Peak (D)			2				203	4.5	one groove curves from 200 to 203 in NE direction
3-119	SW Clara Peak antiform (E)	233798	3777129	1	355	26	E	132.1	18.4	top of <1 m thick ultracataclasite ledge
3-119	SW Clara Peak antiform (E)			1				33	17	subtle slicks
3-119	SW Clara Peak antiform (E)			1	3	20	E	132	15.9	subtle slicks on surface ~2 cm below p.s.p.
3-119	SW Clara Peak antiform (E)			1	346	22	E			
3-119	SW Clara Peak antiform (E)			4+	343	22	E	59	17	polished ultracataclasite ~3 m below p.s.p.; subtle slicks
3-163	Planet Wash (F)	227114	3789088	1	180	12	W			uppermost exposed ultracataclasite surface
3-164	Planet Wash (F)	227123	3789113	1	215	18	NW	308	18	exposed ultracataclasite; irregular surface
3-165	Planet Wash (F)	228247	3790661	2	216	30	NW			approximate orientation of ~1 m thick ultracataclasite ledge
3-168	Planet Wash (F)	228363	3790808	1	207	15	NW	217	2.5	polished surface ~2 cm below uppermost exposed ultracataclasite
3-169	Planet Wash (F)	228353	3790816	1	201	16.5	NW	359	6.5	~6 cm below top of exposed ultracataclasite
3-169	Planet Wash (F)			1				218	5	in one area slick set trending 218 appears to truncate set trending 359, which is not quite as well-preserved
3-170	Planet Wash (F)	226855	3793068	5	61	17	SE	224	5	gouge zone fault <2 m above p.s.p.; discordant to p.s.p.
3-171	Planet Wash (F)	226853	3793101	1	173	12	W			3-170 to 3-176 are along series of excavated exposures; 173, 12 W is surface <10 cm above p.s.p.
3-171	Planet Wash (F)			3	216	20	NW			slip surface ~1 m above p.s.p.
3-171	Planet Wash (F)			4	211	19	NW	222	3.5	~1.5 m above p.s.p.
3-171	Planet Wash (F)			4				346	13.5	slick set trending 346 is not quite as pronounced as set trending 222
3-172	Planet Wash (F)	226843	3793181	2	194	17	W	207	5	curvilinear surface <0.5 m above p.s.p.
3-172	Planet Wash (F)			2				201	2.5	in one area groove trending 201 appears to cut truncate slicks trending 226
3-172	Planet Wash (F)			2				226	9.3	
3-172	Planet Wash (F)			2				360	4	clear slicks exposed only on ~1 cm <sup>2</sup> area; overprinted by slick set trending 207°
3-172	Planet Wash (F)			2	269	14	N	44	10	polished surface ~0.4 m below p.s.p.
3-172	Planet Wash (F)			2				66	6	
3-172	Planet Wash (F)	226843	3793181	5	79	18	S	188	17	curvilinear surface <0.5 m above p.s.p.; discordant to p.s.p.; N-trending slicks noted on ~1 cm <sup>2</sup> part of surface
3-172	Planet Wash (F)			5				207	14.5	apparent truncation of slicks trending 226 by groove trending 201
3-172	Planet Wash (F)			5				220	12	slick set trending 188 is better preserved than sets trending 207 & 220
3-173	Planet Wash (F)	226840	3793198	5	153	15	SW	197	10.5	~1 m above p.s.p.; discordant to p.s.p.
3-174	Planet Wash (F)	226823	3793216	2	210	15	NW	218.5	2	slip surface ~15-20 cm above p.s.p.
3-175	Planet Wash (F)	226771	3793238	1	20	2	E	20.5	0.1	slick set trending 20 is most prominent set here
3-175	Planet Wash (F)			1				138	1.5	
3-175	Planet Wash (F)			1				170	1	
3-176	Planet Wash (F)	226770	3793227	1				10	1	polished surface <10 cm below p.s.p.; subtle ENE-trending slick set?
3-176	Planet Wash (F)			2	80	14	S	134	12	p.s.p. is subhorizontal at 3-175 to 3-176 area
3-176	Planet Wash (F)			5	206	19	NW	335	15	~0.3-0.5 m below p.s.p.
4-539	Planet Wash (F)	228011	3792522	1	160	15	W			approximate orientation of p.s.p.
4-540	Planet Wash (F)	228011	3792421	1	120	10	SW	226	9.8	
4-540	Planet Wash (F)			1				208	10	
4-542	Planet Wash (F)	228792	3791843	1	226	23	NW			approximate orientation of p.s.p.
4-543	Planet Wash (F)	228812	3791599	1	208	20	NW	227	7	
4-544	Planet Wash (F)	228659	3791445	1	214	25	NW			approximate orientation of p.s.p.
4-547	Planet Wash (F)	226018	3793465	1	120	7	SW			approximate orientation of p.s.p.
4-548	Planet Wash (F)	225815	3793606	1	175	9	W			
4-549	Planet Wash (F)	225965	3793886	1	200	18	W			approximate orientation of p.s.p.

1-59	Copper Penny (G)	232331	3784033	1	42	21	SE	221	1	excavated exposure
1-59	Copper Penny (G)			1				138	20	subtle slicks exposed only in one small area
1-59	Copper Penny (G)			1				214	6	
1-61	Copper Penny (G)	232407	3784094	1	14	20	E			strike $\pm 10^\circ$
1-96	Copper Penny (G)	232860	3784480	1	37	39.5	SE	214	3	slick set trending 214 is more pronounced than set trending 171
1-96	Copper Penny (G)			1				171	30	
1-96	Copper Penny (G)			1	43	37	SE	193	21	subtle slicks
1-98	Copper Penny (G)	232909	3784545	1	28	45	SE	31.5	3.5	excavated exposure; oriented thin section of cataclasite along p.s.p.
2-36	Copper Penny (G)	233390	3784611	1	85	5	S	219	3	undulating detachment at entrance to adit
2-36	Copper Penny (G)			1	60	20	SE	224	6	apparent S-C fabrics in gouge zone exposed in adit suggest top-NW (reverse) slip; R shears suggest top-NE slip
2-36	Copper Penny (G)			1	42	15	SE			
2-37	Copper Penny (G)	233207	3784472	1	50	14	SE	218	3	
2-38	Copper Penny (G)	233244	3784482	1	54	14	SE	216	4.5	
3-188	Copper Penny (G)	234187	3785430	1	165	3	W			
3-188	Copper Penny (G)			2				291	2	slicks on subhorizontal surface 20-25 cm below p.s.p.
3-189	Copper Penny (G)	234199	3785478	1	95	4	S			
3-190	Copper Penny (G)	234169	3785515	1	90	5	S	216	4	
3-190	Copper Penny (G)			1				206	5	
3-190	Copper Penny (G)			1				195	5	
3-190.5	Copper Penny (G)	234034	3785177	1	55	20	SE	216	6.5	possible slicks trending $\sim 185^\circ$
3-190.5	Copper Penny (G)			1				212	8	
3-191	Copper Penny (G)	233338	3784568	1	7	9	E	36	5	undulating p.s.p.
6-168	Copper Penny (G)	232484	3784135	1	58	27	SE	208	10	
6-168	Copper Penny (G)	232484	3784135	1				225	6	
6-168	Copper Penny (G)	232484	3784135	1	57	22	SE	204	6	$\sim 4$ m from 58, 27 SE attitude
6-169	Copper Penny (G)	233324	3784537	1	26	16	SE	40	7	avg. attitude of undulatory p.s.p.
6-169+	Copper Penny (G)	233257	3784490	1	42	18	SE			near 2-38, dip is $\pm 7$
1-63	W Swansea (H)	235621	3783860	1	223	49	NW			excavated exposure; apparent S-C fabrics suggest reverse slip (top-SE)
3-192	W Swansea (H)	234547	3782979	1	212	47	NW			excavated exposure
3-193	W Swansea (H)	235128	3783620	1	205	42	NW			
3-194	W Swansea (H)	235069	3783534	1	233	30	NW			excavated exposure
3-194	W Swansea (H)			2	215	22	NW	299	21	<0.5 m below p.s.p.; microfaults in ultracataclasite; sample cut // to slicks indicate top-SE (reverse) slip
3-196	SW Swansea (H)	233922	3781794	2	182	7	W			smooth, planar surface <20 cm below p.s.p.
3-196	SW Swansea (H)			2	198	7	W	235	4.5	curvilinear, just above 182, 7 W surface
3-196	SW Swansea (H)			2	157	7	SW	313	3.5	strike is approximate (cataclasite is locally magnetic here)
3-197	SW Swansea (H)	233743	3781411	2	228	16	NW	305	15.5	ultracataclasite along wash
3-198	SW Swansea (H)	233761	3781438	1	215	12	NW	217	0.5	subtle slicks
3-198	SW Swansea (H)			2	203	8	NW	308	7.5	$\sim 15$ cm below p.s.p.
4-371	W Swansea (H)	235604	3783847	1	220	50	NW	223	3.5	steepest measured dip of detachment in core complex; subtle slicks noted with hand lense on oriented sample of p.s.p.
3-180	N Copper Penny (I)	232842	3788161	1	224	20	NW			orientation of ultracataclasite ledge
3-181	N Copper Penny (I)	232996	3788245	1	236	30	NW			orientation of ultracataclasite ledge; $\sim 0.4$ m thick
3-183	N Copper Penny (I)	232929	3788345	1	250	28	NW			orientation of ultracataclasite ledge
3-117	SW Lincoln Ranch synform (J)	239861	3777936	1	254	10	N			top of exposed ultracataclasite (average of several attitudes)
2-72	W Butler Valley (K)	244864	3770783	1	45.5	21	SE	148	20.5	excavated exposure
2-72	W Butler Valley (K)			1				155	20	Fe-oxide steps and apparent R shears in ultracataclasite thin section cut parallel to SSE-trending slicks suggests top-NW (reverse)
2-72	W Butler Valley (K)			1				164	18	
2-72	W Butler Valley (K)			1				170	17	
2-72	W Butler Valley (K)			1				176	16	
2-72	W Butler Valley (K)			1	45	21	SE	139	21	most clear slick set; groove trending 139 curves to 149 in down-dip direction
2-72	W Butler Valley (K)			1				217	3	most subtle slick set
2-72	W Butler Valley (K)			1				191	12	one groove appears to plow across subtle SW-plunging groove
2-73	W Butler Valley (K)	244869	3770793	1	42	19	SE	150	18	
2-73	W Butler Valley (K)			1				140	18.5	
2-74	W Butler Valley (K)	244884	3770802	1	50	23	SE	209	9	faint slicks

2-74	W Butler Valley (K)			1				230	0	faint slicks
2-75	W Butler Valley (K)	244899	3770807	1	40	21	SE	202	7	faint slicks
12-126	W Butler Valley (K)	244835	3770724	1	13	17	E			
12-127	W Butler Valley (K)	244839	3770745	1	40.5	21	SE			
4-161	Swansea (L)	237749	3784096	1	240	45	NW			
4-162	Swansea (L)	237881	3784155	1	252	42	N	36	27.5	
4-162	Swansea (L)			1				40	26	
4-340	E Swansea (L)	239535	3785156	1	227	26	NW			excavated exposure
4-343	E Swansea (L)	239619	3785251	2	230	33	NW			approximate ultracataclasite ledge orientation
4-343	E Swansea (L)			2				231	0.1	subtle slicks
4-345	E Swansea (L)	239759	3785382	1	223	32	NW			top of exposed ultracataclasite
4-347	E Swansea (L)	239815	3785441	1	218.5	40	NW			
4-368	Swansea (L)	236958	3783661	1	236	44	NW			
4-250	Clara Peak (M)	241282	3783620	1	201	4	NW	224	2	shaft; ~0.3-0.4 m red-brown ultracataclasite (above gray-green cataclasite) at top of lower plate
4-250	Clara Peak (M)			1				229	2	
4-250	Clara Peak (M)			1				234.5	2.5	
4-250	Clara Peak (M)			1				219	2	
4-258	Clara Peak (M)	240733	3784055	1	79	2	S			
4-264	Clara Peak (M)	240591	3783970	1	12	7	E			orientation of ultracataclasite ledge
4-265	Clara Peak (M)	240459	3783855	1	325	4	NE			
4-266	Clara Peak (M)	240468	3783838	1	315	5	NE	48	5	
4-266	Clara Peak (M)			1				30	5	
6-131	Clara Peak (M)	240484	3783752	5	237	18	NW	57	0	~0.8 m (?) below p.s.p; smooth, planar surface
6-132	Clara Peak (M)	240474	3783782	2	290	5	N	49	4	excavated exposure; ~20 cm above p.s.p.
6-132	Clara Peak (M)	240474	3783782	2				344	4.5	unclear timing relationships between NE- and NNW-trending slicks
6-132	Clara Peak (M)	240474	3783782	2				351	4.5	
2-109	Clara District (N)	240505	3782396	1	56.5	9.5	SE	212	4	excavated exposure
2-109	Clara District (N)			1				202	5	less clear than 212 trending set
2-109	Clara District (N)			1				191	6	less clear than 212 trending set
2-109	Clara District (N)			1				232	1	
2-109	Clara District (N)			1	77	10	S	185	9.5	
2-109	Clara District (N)			1	91	6	S	179	6	
2-110	Clara District (N)	240621	3782564	5	145	13	SW	233	13	2-110: excavated exposure in altered & brecciated lower plate just below p.s.p.
2-110	Clara District (N)			5?	85	26	SE	135	20	
2-110	Clara District (N)			5	103	22	S			
2-111	Clara District (N)	240717	3782538	1	50	12	SE			excavated exposure
2-112	Clara District (N)	240479	3782380	1	46	13	SE	211	3	excavated exposure
2-114	Clara District (N)	241796	3782205	1	78	18	S	215	14	
2-114	Clara District (N)			5	47	40	SE	132	39	≥4 m long trace; right below p.s.p.; R shears suggest normal slip
2-115	Clara District (N)	241631	3782216	1	88.5	25	S			excavated exposure; possible ESE-plunging grooves
2-115	Clara District (N)			1	88	21	S	196	20	
2-115	Clara District (N)			1				113	9	
2-115	Clara District (N)			1				152	19	
2-115	Clara District (N)			5	151	23	SW	317	6	1-2 m below p.s.p.
2-121	Clara District (N)	241841	3782520	1	26	14	SE	31	1	excavated exposure
2-121	Clara District (N)			1	30	13	SE	198.5	4	grooves are more clear than set trending 31
2-131	Clara District (N)	242810	3783726	1	55	17	SE	222	4	subtle slicks
2-131	Clara District (N)			1				130	16	more pronounced grooves than set trending 222; small chatter marks suggest top-NW (reverse)
2-131	Clara District (N)			1				147	17	
2-137	Clara District (N)	242859	3783817	1	357	14	E	27	7	
2-137	Clara District (N)			1				22	6	slicks are more clear than set trending 27
2-137	Clara District (N)			1	29	11	SE			
2-141	Clara District (N)	242584	3783708	1	16	15	E	53	8.5	apparent S-C fabric in gouge zone immediately below p.s.p. suggests top-NW (reverse)
2-142	Clara District (N)	242442	3783643	1	332	10	NE	64	10	subtle slicks
2-142	Clara District (N)			2*	345	9	E	56.5	8	very clear slicks on throughgoung fault ~40-45 cm above p.s.p.
4-70	Clara District (N)	240869	3782470	3	97	10	S	195	10	~1 m below p.s.p.

4-70	Clara District (N)			3				225	8	continuous, planar surface; psp dips ~23-25 S
4-72	Clara District (N)	240943	3782447	1	103	20	S			
4-73	Clara District (N)	241000	3782433	1	70	12	SE			excavated exposure
4-230	Clara District (N)	241735	3783098	1	2	15	E			excavated exposure
4-241	Clara District (N)	242086	3782827	1	38	23	SE	199	8	excavated exposure; fine slicks
4-241	Clara District (N)			1				204	6	slicks curve from trend of 199 to trend of 205 moving NNE
4-241	Clara District (N)			1				196	9.5	
4-241	Clara District (N)			1				178	15.5	slicks trending 178 appear to truncate slicks trending 196
4-241	Clara District (N)			1				190	11.5	
4-242	Clara District (N)	242083	3782839	1	32	13	SE	36	1.5	curvature of one groove from trend of 31 to trend of 36 moving in NE direction
4-242	Clara District (N)			1				211	0.5	
4-242	Clara District (N)			1				204	1.5	
4-242	Clara District (N)			1				164	10	slicks trending 164 appear to be present within larger grooves trending 36
4-282	Clara District (N)	242340	3782479	1	261	5	N			very subtle NE-trending slicks
4-287	Clara District (N)	241811	3783193	1	22	11	SE			approximate orientation
4-291	Clara District (N)	242360	3783209	1	1	10	E	120	9	excavated exposure; oriented sample collected of p.s.p. with SE-plunging slicks
4-291	Clara District (N)			1				132	7.5	curvature of slicks from trend of 135 to 142 in downdip direction
4-291	Clara District (N)			1				142	6.5	chrysocolla veinlets w/ apparent NE-dip in oriented thin section of ultracataclasite suggest top-NE slip
4-291	Clara District (N)			1				39	6.3	not as clear as SE-plunging slicks
4-294	Clara District (N)	242265	3783400	1	359	12	E			
4-429	Clara District (N)	243190	3783922	1	25	17	SE			
4-431	Clara District (N)	243185	3783865	1	10	17	E			
4-475	Clara District (N)	239958	3781950	1	71	10	S			
6-151	Clara District (N)	241000	3782432	1	49	15	SE	196	12	same station as 4-73; W-side of excavated exposure
6-153	Clara District (N)	242080	3782837	1				41	5	same as station 4-242
6-153	Clara District (N)	242080	3782837	1				96	11	same as station 4-242
6-153	Clara District (N)	242080	3782837	1				200	3.5	same as station 4-242
6-160	Clara District (N)	241653	3783234	2 or 3	26	13	SE	172	8	smooth, planar surface ~0.5 m below p.s.p.
6-249	Clara District (N)	242863	3783833	3	25	14	SE	156	10	planar, throughgoing surface ~1 m (?) below p.s.p.
6-249B	Clara District (N)	242877	3783833	1	40	19	SE			
1-84	Swansea Wilderness (O)	239687	3788287	1	303	6	NE	62	5	this set is present within groove trending 47
1-84	Swansea Wilderness (O)			1				47	5.5	overprinting relationships suggest this set is the oldest at 1-84; one large groove curves clockwise in plunge direction (from 40-50)
1-84	Swansea Wilderness (O)			1				71	5	cuts across more NE-trending slick set
2-21	Swansea Wilderness (O)	239678	3788282	1	332	5	NE	26	4	1-84, 2-21, 2-22, 2-23: p.s.p. right along road
2-21	Swansea Wilderness (O)			1				30	4.5	some grooves curve from 30 to more ENE trend in downdip (NE) direction
2-21	Swansea Wilderness (O)			1				36	4.5	
2-21	Swansea Wilderness (O)			1				60	5	
2-21	Swansea Wilderness (O)			1				68	5	
2-22	Swansea Wilderness (O)	239745	3788392	1	302	5	NE	34	5	top-NE slip suggested by apparent R shear
2-22	Swansea Wilderness (O)			1				41	4	calcite veinlets w/ apparent NE-dip in oriented thin section of ultracataclasite suggest top-NE slip
2-22	Swansea Wilderness (O)			1				27	4	
2-23	Swansea Wilderness (O)	239738	3788423	1	337	7	NE	32	5.5	
2-23	Swansea Wilderness (O)			1				42	6	
2-29	Swansea Wilderness (O)	239647	3788010	1	25	14	SE	39	4	
4-121	Swansea Wilderness (O)	239952	3788322	1	238	9.5	NW	51	1.5	
4-123	Swansea Wilderness (O)	239704	3788721	1	330	5.5	NE	40	5.5	strike = 330 ± 12
4-123	Swansea Wilderness (O)			1				45	5.5	
4-123	Swansea Wilderness (O)			1				49	5.5	
4-124	Swansea Wilderness (O)	239630	3788762	1	34	20	SE	34	0	
4-124	Swansea Wilderness (O)			1				45	4	
4-124	Swansea Wilderness (O)			1				49	5	
4-124	Swansea Wilderness (O)			1				53	6.5	
4-124	Swansea Wilderness (O)			1				57	8.5	
4-124	Swansea Wilderness (O)			1				62	10	
4-126	Swansea Wilderness (O)	239714	3788846	1	22	7.5	E	47	3.5	
4-126	Swansea Wilderness (O)			1				54	4	curvature of slicks from trend of 54 to trend of 58 in NE direction
4-126	Swansea Wilderness (O)			1				59	4.5	
4-140	Swansea Wilderness (O)	239327	3788593	1	312	6	NE	51.5	6	5-10 cm (?) below p.s.p.

4-140	Swansea Wilderness (O)			1				39	5.5	
4-140	Swansea Wilderness (O)			1				45	6	one 4 mm long groove curves from trend of 59 to trend of 66 moving in NE direction
4-140	Swansea Wilderness (O)			1				85	4.5	slicks trending 85 & 74 are widespread; appear to truncate grooves trending 39 & 54
4-140	Swansea Wilderness (O)			1				74	5.5	
4-141	Swansea Wilderness (O)	239414	3788613	1	5	7	E	46	4.5	planar surface ~10 cm below p.s.p.
4-141	Swansea Wilderness (O)			1				31	2	
4-558	N Swansea (O)	238440	3786624	1	77	10	S	194	9	most slicks on surface are very fine (thin)
4-558	N Swansea (O)			1				208	8	
4-558	N Swansea (O)			1				216	7	
4-558	N Swansea (O)			1				219	6.5	not as well preserved as SSW-trending slicks
4-558	N Swansea (O)			1				102	4.5	slicks trending 102 appear to truncate slicks trending 214
4-558	N Swansea (O)			1	60	10	SE	124	8.5	clear slicks trending 124 truncate subtle set trending ~190?
4-558	N Swansea (O)			1				118	7	
4-558	N Swansea (O)			1				78	0.5	slicks trending ~78 appear to truncate groove trending ~118
4-558	N Swansea (O)			1				238	0.5	
4-558	N Swansea (O)			1				92	5.5	
4-562	N Swansea (O)	238377	3786750	1	31	6	SE			small window of p.s.p. within upper plate tuff
4-565	N Swansea (O)	238215	3786626	1	12	8	E			approximate orientation of p.s.p.
4-565.5	N Swansea (O)	238186	3786589	1	22	7	SE			
4-582	Swansea Wilderness (O)	239331	3788739	1	16	7	E	34	2	
4-582	Swansea Wilderness (O)			1				42	3	
4-611	Swansea Wilderness (O)	239387	3788349	1	8	10	E	37	5.5	
4-645	Swansea Wilderness (O)	240041	3788677	1	35	22	SE	35	0	
4-661	Swansea Wilderness (O)	240271	3788659	1	355	10	E			
4-665	Swansea Wilderness (O)	240300	3788643	1	239	10	NW			
4-683	Swansea Wilderness (O)	240205	3788229	1	250	4	NW	44	1.5	strike = 250 ± 40; one groove trending 255 appears to truncate slicks trending 44
4-683	Swansea Wilderness (O)			1				26	3	subtle slicks; appear to be overprinted by slicks trending 44
4-683	Swansea Wilderness (O)			1				58	1	
4-700	Swansea Wilderness (O)	240377	3787954	1	146	7	SW			
4-708	Swansea Wilderness (O)	240059	3787637	1	295	7	N	51	6.5	
4-708	Swansea Wilderness (O)			1				47	6.5	one 6 mm long groove curves from trend of 46 to trend of 49 in NE direction
4-708	Swansea Wilderness (O)			1				42	6.5	
4-709	Swansea Wilderness (O)	240082	3787620	1	315	8	NE			
4-742	N Swansea (O)	238241	3786570	1	235	3	NW			strike = 235 ± 25
4-747	N Swansea (O)	238274	3786495	1	265	3	N	319	2	slicks on planar cataclasite surface ~2 cm above p.s.p. (parallel to p.s.p.)
4-747	N Swansea (O)			1				324	2.5	slicks trending 319 curve to trend of 324 moving in NW direction
4-747	N Swansea (O)			1				44	2	most widespread slick set
4-747	N Swansea (O)			1				57	1.5	
4-747	N Swansea (O)			1				304	2	slicks on thin red-brown coating on p.s.p.
9-36	Swansea Wilderness (O)	240667	3788683	1	275	12	N			orientation of ultracataclasite ledge
9-144	Swansea Wilderness (O)	239853	3786689	1	335	5	NE			top of ultracataclasite ledge
4-525	Centennial Wash (P)	237353	3793814	1	248	15	NW			approximate attitude
4-527	Centennial Wash (P)	238573	3794132	1	253	11	N			average attitude of planar surfaces in ultracataclasite <10 cm below p.s.p.
4-528	Centennial Wash (P)	238494	3794053	1	240	12	NW	343	11.5	fine slicks on thin black coating on p.s.p.
4-528	Centennial Wash (P)			1				327	12	
5-78	Centennial Wash (P)	239445	3794405	1	265	10	N			approximate orientation of p.s.p.
5-79	Centennial Wash (P)	239517	3794396	1				55	2	additional possible slick sets trend ~47 & 62
5-80	Centennial Wash (P)	239672	3794411	1	252	10	N			top of exposed ultracataclasite
5-81	Centennial Wash (P)	239813	3794440	1	240	10.5	NW	38	5	
5-81	Centennial Wash (P)			1				43	3.5	
5-81	Centennial Wash (P)			1				57.5	3	slicks trending 57.5 & 48.5 are exposed in isolated areas along p.s.p.
5-81	Centennial Wash (P)			1				48.5	3	
5-81	Centennial Wash (P)			1				331	9	fine (narrow) NW-trending slicks are widespread across p.s.p. here; do not appear to be overprinted by NE-SE-trending slicks
5-81	Centennial Wash (P)			1				327	11	
5-81	Centennial Wash (P)			1				321	10	
5-82	Centennial Wash (P)	240419	3794537	1	223	16	NW			approximate attitude
5-83	Centennial Wash (P)	240471	3794785	1	284	24	N			
5-84	Centennial Wash (P)	241199	3794887	1	218	12	NW			approximate attitude

5-85	Centennial Wash (P)	241073	3794708	1	232	20	NW			
5-87	Rawhide Pipeline (P)	241344	3795921	1	320	21	NE			
5-88	Rawhide Pipeline (P)	243652	3796912	1	214	11	NW			approximate attitude
5-89	Rawhide Pipeline (P)	243108	3796319	1	218	9.5	NW	224	1	
5-92	Rawhide Pipeline (P)	242176	3795170	1	285	4.5	N	21	4	fine slicks trending 21 & 18 overprint subtle deeper grooved trending 42 (fine slicks visible within groove)
5-92	Rawhide Pipeline (P)			1				18	4	
5-92	Rawhide Pipeline (P)			1				42	4	
5-93	Rawhide Pipeline (P)	242008	3795248	1				23.5	2	apparent R shears suggest top-NNE slip
4-529	W Rankin Ranch (Q)	243746	3790369	1	173	15	W			
4-530	W Rankin Ranch (Q)	243846	3790139	1	78	6.5	S	216	3.5	additional slicks trend ~190?
4-531	W Rankin Ranch (Q)	244150	3789926	1	25	7.5	SE			
4-532	W Rankin Ranch (Q)	243598	3789768	1	350	13	E			
4-533	W Rankin Ranch (Q)	243282	3790180	1	294	11	N	19	11	
4-533	W Rankin Ranch (Q)			1				27	11	
4-533	W Rankin Ranch (Q)			1				55	9.5	
4-533	W Rankin Ranch (Q)			1				60	9	
4-533	W Rankin Ranch (Q)			1				330	6	
4-534	W Rankin Ranch (Q)	243026	3790359	1	292	10.5	N	14	10.5	most prominent slick set at 5-534; one 9 mm long groove curves from trend of 8 to trend of 1 moving N
4-534	W Rankin Ranch (Q)			1				17.5	10.5	
4-534	W Rankin Ranch (Q)			1				23	10.5	
4-534	W Rankin Ranch (Q)			1				33	10.5	
4-534	W Rankin Ranch (Q)			1				38	10	
4-534	W Rankin Ranch (Q)			1				42	10	additional slicks trend 62 & 77?
4-534	W Rankin Ranch (Q)			1	320	13	NE	43	13	~3 m E of 292, 10.5 N attitude; p.s.p. varies from 314, 13.5 NE to 328, 11 NE
4-534	W Rankin Ranch (Q)			1				45	13	
4-534	W Rankin Ranch (Q)			1				48	13	
4-534	W Rankin Ranch (Q)			1				12	10	slicks trending 12 appear to be present in groove trending 43
4-534	W Rankin Ranch (Q)			1				19	11.5	slicks trending 12 curve to trend of 19 moving in NNE direction
4-534	W Rankin Ranch (Q)			1				6	9.5	subtle slicks
4-535	W Rankin Ranch (Q)	242837	3790666	1	10	9	E	28	3	
4-535	W Rankin Ranch (Q)			1				32.5	3.5	
4-535	W Rankin Ranch (Q)			1				37.5	4	
4-536	W Rankin Ranch (Q)	245045	3790120	1	56	24	SE			crude estimate of detachment orientation
4-537	W Rankin Ranch (Q)	245860	3789460	1	172	35	W			approximate orientation of detachment
4-538	W Rankin Ranch (Q)	243775	3790518	1	228	15	NW			approximate orientation of detachment
5-95	Rankin Ranch (Q)	247188	3790235	1	217	16	NW			possible faint slicks trending 280
3-233	Lincoln Ranch basin (R)	253057	3783977	1	172	14	W			lunate shear in cataclasite ledge suggests top-SW slip(!)
3-234	Lincoln Ranch basin (R)	253083	3783907	1	155	23	SW	241	23	nice exposure of detachment cataclasite in A-bomb canyon; subtle slicks
3-234	Lincoln Ranch basin (R)			1				234	22.5	clear slicks on ~2x2 cm wide area on p.s.p.
3-236	Lincoln Ranch basin (R)	254119	3783695	1	280	5	N			overhanging surface; possible subtle slicks trending ~295?
3-237	Lincoln Ranch basin (R)	253725	3784212	1	280	8	N	25	7.8	one large groove trending 23 has fine slicks within it trending 28-35
3-237	Lincoln Ranch basin (R)			1				32	7.5	
3-237	Lincoln Ranch basin (R)			1				44	7	less widespread than slick set trending 25 & 32
3-238	Lincoln Ranch basin (R)	253593	3784161	1	239	10	NW	25	5.5	top of cataclasite ledge; slicks trending 25 is the more clear ans widespread set
3-238	Lincoln Ranch basin (R)			1				33.5	4	
3-238	Lincoln Ranch basin (R)			1				40	3	
3-239	Lincoln Ranch basin (R)	257127	3783431	1	240	12	NW	35	5.5	slicks preserved on thin black coating on top of cataclasite ledge; apparent lunate shear suggests top-SW (!)
3-240	Lincoln Ranch basin (R)	256515	3784224	1	155	40	SW			top of cataclasite ledge(?), attitude modified by Lincoln Ranch fault?
3-241	Lincoln Ranch basin (R)	256290	3785754	1	178	4	W			
3-242	Lincoln Ranch basin (R)	256511	3785820	1	258	10	N			top of cataclasite ledge
3-243	Lincoln Ranch basin (R)	256595	3785811	1	248	9	NW	58.5	1.5	top of cataclasite ledge; slicks on ~1x1 cm white coating
3-244	Lincoln Ranch basin (R)	256590	3786068	1	220	11	NW	238.5	3.5	
3-245	Lincoln Ranch basin (R)	256586	3786055	1	225	9	NW	244	3	top of cataclasite ledge
10-162	Lincoln Ranch basin (R)	255154	3783427	1	233	16.5	NW			top of cataclasite ledge
5-71	S Cleopatra Mine (S)	249536	3799758	1	255	16	N			orientation of ultracataclasite ledge
5-73	Fisher Camp (S)	246942	3797397	1	245	10	NW			N-dipping listric faults flatten into sharp, overhanging p.s.p.

5-75	Fisher Camp (S)	246741	3797303	1	240	9.5	NW			averaged attitude estimate; possible faint SW-trending slicks on some surfaces
5-76	Fisher Camp (S)	247262	3798625	1	213	19.5	NW			approximate orientation of cataclasite ledge
5-47	Rawhide Mine (T)	254958	3798628	1	358	7	E			top of ultracataclasite ledge, possible subtle slicks trending 72 & 60?
5-48	Rawhide Mine (T)	254953	3798626	1	342	9	E	47	8	
5-49	Rawhide Mine (T)	254934	3798609	1				26	6.5	next to 5-48 (slick set trending 47 also present)
5-50	Rawhide Mine (T)	254877	3798530	1	345	11	E	38	8	curvature of slick set from trend of 38 to trend of 43 moving in NE direction
5-50	Rawhide Mine (T)			1				43	8	Fe-oxide veinlets w/ moderate to steep apparent NE-dip in oriented thin section of ultracataclasite suggest top-NE slip
5-51	Deer Trail Mine (T)	255687	3797699	1	298	11	NE			orientation of top of ultracataclasite ledge
5-53	Deer Trail Mine (T)	255634	3797894	1	322	7	NE	37	6.5	near top of ultracataclasite ledge; possible additional slick sets trending 29 & 49
5-55	SE Bonanza Mine (T)	256002	3795989	1	152	16	SW			
5-56	Bonanza Mine (T)	254560	3796989	1	70	17	SE			excavated exposure
5-58	Cactus Queen Mine (T)	254102	3797888	1	49	3.5	SE			
5-59	Cactus Queen Mine (T)	254084	3797833	2	50	14	SE	170	9	polished, planar surface ≤15 cm below p.s.p.
5-60	Bonanza Mine (T)	254697	3796918	1	29	17	SE			approximate attitude
5-61	Bonanza Mine (T)	255320	3796995	1	48	21	SE	65.8	6.7	listric NE-dipping R shear in upper plate indicates top-NE slip
5-61	Bonanza Mine (T)			1				51.7	1.4	slicks at 5-61 are subtle; orientation from rake
5-62	Deer Trail Mine (T)	255721	3797346	1	22	9	SE	45	3.5	locally p.s.p. dips more steeply; slicks on thin black coating
5-62	Deer Trail Mine (T)			1				51.5	4.5	slicks on white calcedony
5-63	S Bonanza Mine (T)	254910	3795787	1	32	18	SE	49	6	slicks are groove casts lineations of various scales on p.s.p.
5-64	S Bonanza Mine (T)	254800	3795723	1	351	7	E	65	6.5	groove casts lineations; average orientation (trend ranges from ~55-72, mostly ~60-68)
5-65	S Bonanza Mine (T)	254516	3795765	1	6	5	E			approximate attitude
5-66	W Bonanza Mine (T)	253053	3797174	1	350	11	E			possible slick set trending ~51?
5-67	W Bonanza Mine (T)	253419	3797135	1	20	3	E	40	1	NE-trending slicks are relatively clear
5-67	W Bonanza Mine (T)			1				43	1.3	
5-67	W Bonanza Mine (T)			1				52	1.5	
5-67	W Bonanza Mine (T)			1				29	0.5	
5-67	W Bonanza Mine (T)			1				47.5	1.5	
5-67	W Bonanza Mine (T)			1				56	1.5	
5-67	W Bonanza Mine (T)			1				145	2.5	fine SE-trending slicks locally appear to be present within larger NE-trending grooves
5-67	W Bonanza Mine (T)			1				155	2	apparent R shears suggest SE-trending slicks record top-NW slip
5-68	Fool's Peak (T)	251468	3798619	1	320	14	NE	36	13.5	highest exposed ultracataclasite; overall ledge appears to dip a little more shallowly than 14°
5-68	Fool's Peak (T)			1				46	14	highest exposed ultracataclasite
5-69	Fool's Peak (T)	251340	3798680	1	302	10	NE	34.5	10	highest exposed ultracataclasite
5-69A	Fool's Peak (T)			2	290	7	N	55	5	~15 cm below top of ultracataclasite; ~3 m E of 5-69
5-40	E Rawhides (U)	258447	3795173	1	265	15	N	48	9	
5-42	E Rawhides (U)	258365	3795110	1	252	21	N			top of exposed ultracataclasite
5-43	E Rawhides (U)	258246	3795103	1	280	16	N			approximate orientation of ultracataclasite
5-44	E Rawhides (U)	258172	3795090	1	255	22	N			top of ultracataclasite
5-54	E Rawhides (U)	258777	3795283	3	318	6	NE	62	5.5	~1 m below p.s.p.; throughgoing, polished fault parallel to p.s.p.
3-257	W Alamo Lake (V)	260707	3792158	1	314	8	NE	54	7.8	
3-257	W Alamo Lake (V)			1				58	7.8	
3-258	W Alamo Lake (V)	260476	3792305	1	305	6	NE	22	5.7	excellent ~10 m long exposure of polished p.s.p.
3-258	W Alamo Lake (V)			1				32	6	slick sets determined for this outcrop are based on grouping dozens of measurements into clear sets
3-258	W Alamo Lake (V)			1				35	6	
3-258	W Alamo Lake (V)			1				37	6	
3-258	W Alamo Lake (V)			1				48	6	slicks locally curve from trend of 48 to trend of 54.5 in NE-direction; this set is truncated by groove trending 63
3-258	W Alamo Lake (V)			1				54	5.5	
3-258	W Alamo Lake (V)			1				58	5.5	
3-258	W Alamo Lake (V)			1				63	5.5	
3-258	W Alamo Lake (V)			1				67	5.5	one ~4 m long groove curves from trend of 67 to trend of 74 in NE-direction
3-258	W Alamo Lake (V)			1				73	5	
3-258	W Alamo Lake (V)			1				77	5	some grooves trending ~77-79 truncate slicks trending 37
3-258	W Alamo Lake (V)			1				82	4.5	locally groove trending 81 curves to trend of 84 in E-direction
3-258	W Alamo Lake (V)			1				87	4	slicks trending 89 & 82 appear to truncate slicks trending ~37
3-258	W Alamo Lake (V)			1				97	3	slicks trending ~83-100 are relatively isolated, deeper grooves
3-259	W Alamo Lake (V)	260207	3792751	1	303	8	NE			orientation of ultracataclasite ledge; possible slick set trending ~66; S-C fabric in oriented thin section of ultracataclasite indicates top-NE slip



[illegible]

## Category R slicks

STATION	AREA (Fig. 2 domain)	UTM_X	UTM_Y	SLICK. TREND	PLUNGE	
10-23	Mineral Wash (C)	775575	3789124	323	7	*see Fig. 10 in manuscript for sense of slip in each domain
10-23	Mineral Wash (C)			336	10	*almost all category R slicks are approximately down-dip on curvilinear faults in cataclasite <2 m below detachment fault
10-23	Mineral Wash (C)			313	31	
10-23	Mineral Wash (C)			345	14	
10-23	Mineral Wash (C)			333	11	
10-23	Mineral Wash (C)			45	1	
10-23	Mineral Wash (C)			358	7	
10-23	Mineral Wash (C)			356	11	
10-23	Mineral Wash (C)			38	23	
10-23	Mineral Wash (C)			352	2	
10-24	Mineral Wash (C)	775751	3789327	129	33	
10-24	Mineral Wash (C)			142	16	
10-24	Mineral Wash (C)			132	17	
10-24	Mineral Wash (C)			39	6	
10-24	Mineral Wash (C)			119	30	
10-24	Mineral Wash (C)			128	1	
10-24	Mineral Wash (C)			28	20	
3-207	Squaw Peak (D)	227676	3784102	123	27	
4-545	Planet Wash (F)	228632	3791436	310	34	
4-545	Planet Wash (F)			303	15	
4-545	Planet Wash (F)			355	17	
4-547	Planet Wash (F)	226018	3793465	227	6	
4-547	Planet Wash (F)			233	5.5	
4-547	Planet Wash (F)			207	5	
4-549	Planet Wash (F)	225965	3793886	318	24	
4-549	Planet Wash (F)			322	9	
4-549	Planet Wash (F)			317	10	
4-549	Planet Wash (F)			124	7	
4-549	Planet Wash (F)			117	72	
4-549	Planet Wash (F)			125	20	
4-549	Planet Wash (F)			120	35	
4-549	Planet Wash (F)			118	30	
4-549	Planet Wash (F)			112	33	
4-549	Planet Wash (F)			322	22	
4-549	Planet Wash (F)			116	27	
4-549	Planet Wash (F)			130	30	
4-549	Planet Wash (F)			144	35	
4-549	Planet Wash (F)			96	66	
4-549	Planet Wash (F)			115	36	
4-549	Planet Wash (F)			114	59	
4-549	Planet Wash (F)			132	39	
4-549	Planet Wash (F)			116	34	
4-549	Planet Wash (F)			335	9	
6-168	Copper Penny (G)	232484	3784135	3	10	
2-36	Copper Penny (G)			43	14	
2-36	Copper Penny (G)			35	14	
6-169	Copper Penny (G)	233324	3784537	35	5	
6-169	Copper Penny (G)			36	10	
6-169	Copper Penny (G)			31	7	
6-169	Copper Penny (G)			35	10	
6-169	Copper Penny (G)			21	12	
6-169	Copper Penny (G)			218	41	

6-169	Copper Penny (G)		218	61
6-169	Copper Penny (G)		220	66
near 6-169	Copper Penny (G)	233324 3784537	14	25
near 6-169	Copper Penny (G)		52	31
near 6-169	Copper Penny (G)		10	30
near 6-169	Copper Penny (G)		52	39
near 6-169	Copper Penny (G)		305	11
near 6-169	Copper Penny (G)		130	68
near 6-169	Copper Penny (G)		110.6	63.1
near 6-169	Copper Penny (G)		110	71
near 6-169	Copper Penny (G)		138	15
near 6-169	Copper Penny (G)		43	24
near 6-169	Copper Penny (G)		318	50
near 6-169	Copper Penny (G)		97	68.9
near 6-169	Copper Penny (G)		126	57
near 6-169	Copper Penny (G)		38	43
near 6-169	Copper Penny (G)		135	49
near 6-169	Copper Penny (G)		150	67
near 6-169	Copper Penny (G)		123	18
near 6-169	Copper Penny (G)		126	46
near 6-169	Copper Penny (G)		134	70
near 6-169	Copper Penny (G)		313	74
near 6-169	Copper Penny (G)		293	7
near 6-169	Copper Penny (G)		124	80
near 6-169	Copper Penny (G)		136	62
near 6-169	Copper Penny (G)		119	26
near 6-169	Copper Penny (G)		308	14
near 6-169	Copper Penny (G)		132	17
near 6-169	Copper Penny (G)		313	74
near 6-169	Copper Penny (G)		133	80
near 6-169	Copper Penny (G)		132	70
near 6-169	Copper Penny (G)		305	14
near 6-169	Copper Penny (G)		125	85
near 6-169	Copper Penny (G)		132	66
near 6-169	Copper Penny (G)		124	78
near 6-169	Copper Penny (G)		120	82
near 6-169	Copper Penny (G)		317	75
near 6-169	Copper Penny (G)		118	23
near 6-169	Copper Penny (G)		118	85
near 6-169	Copper Penny (G)		52	16
near 6-169	Copper Penny (G)		324	85
near 6-169	Copper Penny (G)		304	82
3-193 to 3-194	W Swansea (H)	235069 3783534	129	25
3-193 to 3-194	W Swansea (H)		123	14
3-193 to 3-194	W Swansea (H)		122	35
3-193 to 3-194	W Swansea (H)		123	22
3-193 to 3-194	W Swansea (H)		126	15
3-193 to 3-194	W Swansea (H)		123	31
3-193 to 3-194	W Swansea (H)		123	19
3-193 to 3-194	W Swansea (H)		120	43
3-193 to 3-194	W Swansea (H)		119	53
3-193 to 3-194	W Swansea (H)		119	21
3-193 to 3-194	W Swansea (H)		123	27

3-193 to 3-194	W Swansea (H)			126	10
3-193 to 3-194	W Swansea (H)			132	18
3-193 to 3-194	W Swansea (H)			120	21
3-193 to 3-194	W Swansea (H)			116	12
3-193 to 3-194	W Swansea (H)			115	35
3-193 to 3-194	W Swansea (H)			121	34
3-193 to 3-194	W Swansea (H)			108	26
3-193 to 3-194	W Swansea (H)			310	63
3-193 to 3-194	W Swansea (H)			140	30
3-193 to 3-194	W Swansea (H)			124	26
3-193 to 3-194	W Swansea (H)			109	15
3-193 to 3-194	W Swansea (H)			113	8
3-193 to 3-194	W Swansea (H)			134	22
3-193 to 3-194	W Swansea (H)			119	18
3-193 to 3-194	W Swansea (H)			101	44
3-193 to 3-194	W Swansea (H)			118	13
3-193 to 3-194	W Swansea (H)			107	40
3-193 to 3-194	W Swansea (H)			119	18
3-193 to 3-194	W Swansea (H)			118	22
3-193 to 3-194	W Swansea (H)			117	26
3-193 to 3-194	W Swansea (H)			115	21
3-193 to 3-194	W Swansea (H)			116	12
3-193 to 3-194	W Swansea (H)			103	25
3-193 to 3-194	W Swansea (H)			126	18
3-193 to 3-194	W Swansea (H)			132	40
3-193 to 3-194	W Swansea (H)			114	17
3-193 to 3-194	W Swansea (H)			93	22
3-193 to 3-194	W Swansea (H)			279	2
3-193 to 3-194	W Swansea (H)			114	25
3-193 to 3-194	W Swansea (H)			298	10
3-193 to 3-194	W Swansea (H)			125	3
3-193 to 3-194	W Swansea (H)			115	32
3-193 to 3-194	W Swansea (H)			299	21
3-193 to 3-194	W Swansea (H)			295	16
3-193 to 3-194	W Swansea (H)			351	11
1-63	W Swansea (H)	235621	3783860	319	25
1-63	W Swansea (H)			314	14
1-63	W Swansea (H)			323	13
1-63	W Swansea (H)			305	18
1-63	W Swansea (H)			309	33
1-63	W Swansea (H)			324	25
1-63	W Swansea (H)			209	64
371	W Swansea (H)	235604	3783847	311	15
371	W Swansea (H)			135	34
371	W Swansea (H)			132	9
371	W Swansea (H)			295	12
3-192	W Swansea (H)	234547	3782980	118	48
3-192	W Swansea (H)			302	34
3-192	W Swansea (H)			136	30
3-192	W Swansea (H)			123	15
3-192	W Swansea (H)			116	20
3-192	W Swansea (H)			127	39
10-159	SW Lincoln Ranch synform (J)	239785	3777964	135	52

10-159	SW Lincoln Ranch synform (J)			305	73
10-159	SW Lincoln Ranch synform (J)			320	68
10-159	SW Lincoln Ranch synform (J)			302	58
10-159	SW Lincoln Ranch synform (J)			105	71
10-159	SW Lincoln Ranch synform (J)			277	66
10-159	SW Lincoln Ranch synform (J)			318	38
10-159	SW Lincoln Ranch synform (J)			309	72
10-159	SW Lincoln Ranch synform (J)			131	23
10-159	SW Lincoln Ranch synform (J)			102	72
10-159	SW Lincoln Ranch synform (J)			323	57
10-159	SW Lincoln Ranch synform (J)			281	84
10-159	SW Lincoln Ranch synform (J)			110	1
10-160	SW Lincoln Ranch synform (J)	239879	3777944	48	42
10-160	SW Lincoln Ranch synform (J)			63	30
10-160	SW Lincoln Ranch synform (J)			61	35
10-160	SW Lincoln Ranch synform (J)			96	65
10-160	SW Lincoln Ranch synform (J)			73	71
10-160	SW Lincoln Ranch synform (J)			57	37
10-160	SW Lincoln Ranch synform (J)			77	19
10-160	SW Lincoln Ranch synform (J)			74	15
6-44	W Butler Valley (K)	244870	3770788	334	35
6-44	W Butler Valley (K)			317	38
6-44	W Butler Valley (K)			329	64
6-44	W Butler Valley (K)			334	37
6-44	W Butler Valley (K)			335	58
6-44	W Butler Valley (K)			315	37
6-44	W Butler Valley (K)			339	28
6-44	W Butler Valley (K)			318	35
6-44	W Butler Valley (K)			315	50
4-160	Swansea (L)	237690	3784059	134	43
4-160	Swansea (L)			138	48
4-160	Swansea (L)			158	35
4-160	Swansea (L)			163	60
4-161	Swansea (L)	237749	3784096	153	55
4-161	Swansea (L)			162	51
4-340	E Swansea (L)	239535	3785156	148	29
4-340	E Swansea (L)			127	46
4-340	E Swansea (L)			125	33
4-340	E Swansea (L)			312	10
4-340	E Swansea (L)			124	52
4-340	E Swansea (L)			113	40
4-340	E Swansea (L)			116	74
4-340	E Swansea (L)			102	37
4-340	E Swansea (L)			98	35
4-340	E Swansea (L)			141	35
4-340	E Swansea (L)			68	17
4-340	E Swansea (L)			56	40
4-340	E Swansea (L)			125	42
4-340	E Swansea (L)			128	29
4-340	E Swansea (L)			140	35
4-340	E Swansea (L)			20	43
4-340	E Swansea (L)			138	43
4-340	E Swansea (L)			107	21

4-340	E Swansea (L)			122	45
4-340	E Swansea (L)			110	14
4-340	E Swansea (L)			281	23
4-340	E Swansea (L)			117	32
4-340	E Swansea (L)			132	50
4-343	E Swansea (L)	239619	3785251	301	11
4-343	E Swansea (L)			285	5
4-343	E Swansea (L)			114	23
4-345	E Swansea (L)	239759	3785382	332	42
4-345	E Swansea (L)			329	1
4-345	E Swansea (L)			321	33
4-345	E Swansea (L)			112	40
4-345	E Swansea (L)			307	35
4-347	E Swansea (L)	239815	3785441	332	22
4-347	E Swansea (L)			318	31
4-347	E Swansea (L)			181	38
4-347	E Swansea (L)			199	9
4-367	Swansea (L)	236910	3783644	312	40
4-367	Swansea (L)			174	35
4-367	Swansea (L)			183	36
4-368	Swansea (L)	236958	3783661	145	35
4-368	Swansea (L)			146	48
4-368	Swansea (L)			140	41
4-368	Swansea (L)			313	7
4-368	Swansea (L)			155	23
4-368	Swansea (L)			133	46
4-368	Swansea (L)			128	56
4-368	Swansea (L)			152	43
4-368	Swansea (L)			145	41
4-368	Swansea (L)			296	11
4-368	Swansea (L)			150	26
4-368	Swansea (L)			152	27
4-369	Swansea (L)	237141	3783740	158	40
4-369	Swansea (L)			182.2	81.5
4-369	Swansea (L)			131	67
4-369	Swansea (L)			157	55
4-369	Swansea (L)			157	67
4-369	Swansea (L)			140	38
4-369	Swansea (L)			133	64
4-369	Swansea (L)			168	36
4-369	Swansea (L)			134	34
4-369	Swansea (L)			140	8
4-369	Swansea (L)			136	25
4-369	Swansea (L)			157	39
4-369	Swansea (L)			130	34
4-369	Swansea (L)			146	57
4-369	Swansea (L)			312	5
4-369	Swansea (L)			316	10
4-369	Swansea (L)			140	50
4-369	Swansea (L)			133	11
4-370	Swansea (L)	237672	3784048	312	42
4-370	Swansea (L)			122	43
4-370	Swansea (L)			125	32

4-370	Swansea (L)			304	2
4-370	Swansea (L)			125	10
4-370	Swansea (L)			132	31
6-131	Clara Peak (M)	240484	3783752	315	38
6-131	Clara Peak (M)			323	53
6-131	Clara Peak (M)			322	27
6-131	Clara Peak (M)			132	68
6-131	Clara Peak (M)			352	78
6-131	Clara Peak (M)			146	51
6-131	Clara Peak (M)			189.6	61.2
6-131	Clara Peak (M)			318	2
6-131	Clara Peak (M)			324	14
6-131	Clara Peak (M)			143	19
6-131	Clara Peak (M)			329	5
6-131	Clara Peak (M)			323	22
6-131	Clara Peak (M)			321	19
6-131	Clara Peak (M)			317	45
6-131	Clara Peak (M)			138	30
6-131	Clara Peak (M)			314	8
6-132	Clara Peak (M)	240474	3783782	342	50
6-132	Clara Peak (M)			331	55
6-132	Clara Peak (M)			121	34
6-133	Clara Peak (M)	240476	3783815	320	50
6-260	Clara Peak (M)	241288	3783577	118	56
6-260	Clara Peak (M)			118	65
6-260	Clara Peak (M)			36	16
6-265	Clara Peak (M)	241290	3783743	115	34
6-265	Clara Peak (M)			126	43
6-265	Clara Peak (M)			51	19
6-265	Clara Peak (M)			299	9
6-265	Clara Peak (M)			121	24
6-265	Clara Peak (M)			124	28
6-265	Clara Peak (M)			126	64
6-265	Clara Peak (M)			100	38
6-265	Clara Peak (M)			127	13
6-265	Clara Peak (M)			117	50
6-266	Clara Peak (M)	241286	3783785	119	33
6-266	Clara Peak (M)			118	36
6-266	Clara Peak (M)			120	38
6-266	Clara Peak (M)	241286	3783785	111	5
6-148	Clara District (N)	241791	3782208	112	46
6-148	Clara District (N)			115	40
6-148	Clara District (N)			108	55
6-148	Clara District (N)			116	67
6-148	Clara District (N)			132	40
6-148	Clara District (N)			120	37
6-148	Clara District (N)			332	35
6-148	Clara District (N)			317	25
6-148	Clara District (N)			314	47
6-148	Clara District (N)			346	30
6-148	Clara District (N)			320	43
6-148	Clara District (N)			126	46
6-149	Clara District (N)	241418	3782312	17	66

6-149	Clara District (N)			205	12
6-149	Clara District (N)			357	70
6-149	Clara District (N)			24	45
6-150	Clara District (N)	240940	3782434	171	22
6-150	Clara District (N)			46	67
6-151	Clara District (N)	241000	3782432	346	40
6-152	Clara District (N)	241793	3782537	43	66
6-152	Clara District (N)			12	64
6-152	Clara District (N)			220	5
6-152	Clara District (N)			5	30
6-153	Clara District (N)	242080	3782837	109	20
6-153	Clara District (N)			200	20
6-153	Clara District (N)			40	17
6-153	Clara District (N)			43	30
6-153	Clara District (N)			36	31
6-153	Clara District (N)			147	23
6-153	Clara District (N)			131	20
6-154	Clara District (N)	242141	3782775	6	11
6-154	Clara District (N)			294	6
6-154	Clara District (N)			132	12
6-154	Clara District (N)			323	30
6-154	Clara District (N)			112	37
6-154	Clara District (N)			124	28
6-154	Clara District (N)			121	43
6-154	Clara District (N)			137	13
6-154	Clara District (N)			112	17
6-154	Clara District (N)			134	33
6-154	Clara District (N)			119	5
6-154	Clara District (N)			129	33
6-154	Clara District (N)			130	62
6-245	Clara District (N)	240072	3782029	186	17
6-245	Clara District (N)			162	23
6-245	Clara District (N)			169	27
6-245	Clara District (N)			179	26
6-245	Clara District (N)			232	53
6-245	Clara District (N)			147	19
6-245	Clara District (N)			171	29
6-245B	Clara District (N)	240049	3782048	45	20
6-245B	Clara District (N)			192	2
6-246	Clara District (N)	243245	3784088	189	12
6-246	Clara District (N)			176	6
6-246	Clara District (N)			171	12
6-246	Clara District (N)			128	30
6-246	Clara District (N)			158	30
6-246	Clara District (N)			128	23
6-246	Clara District (N)			302	55
6-247	Clara District (N)	243185	3783868	133	23
6-249B	Clara District (N)	242877	3783833	145	5
6-250	Clara District (N)	242441	3783647	170	8
6-250	Clara District (N)			145	30
3-291	Clara District (N)			137	26
3-291	Clara District (N)			124.4	69.6
3-291	Clara District (N)			105	44



9-87	Swansea Wilderness (O)	239703	3787973	294	66
9-87	Swansea Wilderness (O)			311	52
9-87	Swansea Wilderness (O)			116	52
9-87	Swansea Wilderness (O)			311	51
9-87	Swansea Wilderness (O)			312	63
9-87	Swansea Wilderness (O)			325	43
9-87	Swansea Wilderness (O)			312	54
9-87	Swansea Wilderness (O)			132	37
9-87	Swansea Wilderness (O)			120	42
9-87	Swansea Wilderness (O)			314	60
near 1-84/2-21	Swansea Wilderness (O)	239687	3788287	122	28
near 1-84	Swansea Wilderness (O)			308	34
near 1-84	Swansea Wilderness (O)			315	13
near 1-84	Swansea Wilderness (O)			112	10
near 1-84	Swansea Wilderness (O)			134	20
near 1-84	Swansea Wilderness (O)			135	21
near 1-84	Swansea Wilderness (O)			132	24
near 1-84	Swansea Wilderness (O)			287	76
near 1-84	Swansea Wilderness (O)			325	35
near 1-84	Swansea Wilderness (O)			326	46
4-526	Centennial Wash (P)	237323	3793827	143	27
4-526	Centennial Wash (P)			322	14
4-526	Centennial Wash (P)			135	10
4-526	Centennial Wash (P)			138	15
4-526	Centennial Wash (P)			148	60
4-526	Centennial Wash (P)			326	18
5-77	Centennial Wash (P)	239405	3794410	105	35
5-77	Centennial Wash (P)			306	1
5-77	Centennial Wash (P)			122	1
5-77	Centennial Wash (P)			303	3
5-78	Centennial Wash (P)	239445	3794405	35	1
5-78	Centennial Wash (P)			296	5
5-78	Centennial Wash (P)			310	41
5-78	Centennial Wash (P)			304	30
5-78	Centennial Wash (P)			301	45
5-78	Centennial Wash (P)			305	40
5-78	Centennial Wash (P)			313	50
5-78	Centennial Wash (P)	239517	3794396	97	36
5-80	Centennial Wash (P)	239672	3794411	44	42
5-80	Centennial Wash (P)			220	30
5-81	Centennial Wash (P)	239813	3794440	310	19
5-81	Centennial Wash (P)			131	3
5-81	Centennial Wash (P)			335	54
5-81	Centennial Wash (P)			330	33
5-81	Centennial Wash (P)			335	56
5-81	Centennial Wash (P)			324	28
5-81	Centennial Wash (P)			133	45
5-81	Centennial Wash (P)			329	24
5-81	Centennial Wash (P)			329	9
5-84	Centennial Wash (P)	241199	3794887	324	15
5-84	Centennial Wash (P)			311	23.5
5-84	Centennial Wash (P)			328	14.5
5-84	Centennial Wash (P)			324	16

5-84	Centennial Wash (P)			278	32
5-84	Centennial Wash (P)			28.8	81.5
5-85	Centennial Wash (P)	241073	3794708	329	15.5
5-85	Centennial Wash (P)			31	3
5-86	Centennial Wash (P)	241152	3794591	74	37
5-86	Centennial Wash (P)			72	32
5-90	Rawhide Pipeline (P)	242479	3795139	318	2
5-90	Rawhide Pipeline (P)			324	16
5-90	Rawhide Pipeline (P)			114	32
5-90	Rawhide Pipeline (P)			47	24
5-91	Rawhide Pipeline (P)	242300	3795095	143	52
5-91	Rawhide Pipeline (P)			152	43
5-91	Rawhide Pipeline (P)			131	42
5-91	Rawhide Pipeline (P)			123	38
5-91	Rawhide Pipeline (P)			337	70
5-91	Rawhide Pipeline (P)			128	38
5-91	Rawhide Pipeline (P)			110	43
5-91	Rawhide Pipeline (P)			320	53
5-93	Rawhide Pipeline (P)	242008	3795248	171	11
4-532	W Rankin Ranch (Q)	243598	3789768	328	6
3-235	Lincoln Ranch basin (R)	255157	3783435	324	29
10-162	Lincoln Ranch basin (R)	255154	3783427	308	11
10-162	Lincoln Ranch basin (R)			303	83
10-162	Lincoln Ranch basin (R)			322	60
10-162	Lincoln Ranch basin (R)			286	18
10-162	Lincoln Ranch basin (R)			253.6	82
10-162	Lincoln Ranch basin (R)			309	83
10-162	Lincoln Ranch basin (R)			130	42
10-162	Lincoln Ranch basin (R)			124	49
10-162	Lincoln Ranch basin (R)			318	73
10-162	Lincoln Ranch basin (R)			308	69
10-162	Lincoln Ranch basin (R)			127	45
10-162	Lincoln Ranch basin (R)			312	45
10-162	Lincoln Ranch basin (R)			130	51
10-162	Lincoln Ranch basin (R)			136	53
10-162	Lincoln Ranch basin (R)			125	73
10-162	Lincoln Ranch basin (R)			338	57
10-162	Lincoln Ranch basin (R)			125	55
10-162	Lincoln Ranch basin (R)			124	36
10-162	Lincoln Ranch basin (R)			128	61
10-162	Lincoln Ranch basin (R)			329	47
10-162	Lincoln Ranch basin (R)			129	47
5-52	Deer Trail Mine (T)	255638	3797848	50	3
5-41	E Rawhides (U)	258400	3795128	312	3
5-41	E Rawhides (U)			142	25
5-41	E Rawhides (U)			129	25
5-41	E Rawhides (U)			136	24
5-41	E Rawhides (U)			139	7
5-41	E Rawhides (U)			344	20
5-41	E Rawhides (U)			325	16
5-41	E Rawhides (U)			315	56
5-41	E Rawhides (U)			138	15
5-41	E Rawhides (U)			134	50

5-41	E Rawhides (U)			131	5
5-41	E Rawhides (U)			128	55
5-44	E Rawhides (U)	258172	3795090	318	22
5-44	E Rawhides (U)			144	61
5-44	E Rawhides (U)			152	41
5-44	E Rawhides (U)			153	55
6-1	Burnt Well (X)	274032	3774561	310	13
6-1	Burnt Well (X)			292	23
6-1	Burnt Well (X)			301	11
6-1	Burnt Well (X)			312	12
6-5	Burnt Well (X)	274508	3774879	322	32
6-5	Burnt Well (X)			353	11
6-5	Burnt Well (X)			326	47
6-5	Burnt Well (X)			334	15
6-5	Burnt Well (X)			322	10
6-5	Burnt Well (X)			318	26
6-5	Burnt Well (X)			323	9
6-6	Burnt Well (X)	274474	3774862	329	41
6-6	Burnt Well (X)			350	23

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All these data were collected from the Buckskin-Rawhide detachment fault between 2007 & 2012 by J.Singleton.

- \*Category rating** (column E on detachment data worksheet)
- 1** = principal slip plane (p.s.p.) or subparallel slip surface  $\leq 10$  cm from p.s.p. (only where noted in comments); includes slicks at the top of lower plate ultracataclasite ledges; surfaces are planar or slightly curvilinear
  - 2** = slip surface 10-50 cm from p.s.p.; subparallel to p.s.p. ( $\leq 15^\circ$  discordance); planar to curvilinear
  - 3** = slip surface 50-100 cm from p.s.p.; subparallel to p.s.p. ( $\leq 15^\circ$  discordance)
  - 4** = slip surface 1-2 m from p.s.p.; subparallel to p.s.p. ( $\leq 15^\circ$  discordance)
  - 5** = subsidiary slip surface  $< 2$  m from p.s.p. but  $> 15^\circ$  discordant to p.s.p.; continuous (trace  $> 0.5$  m)
  - R** = Riedel shears or small-scale slip surfaces  $< 2$  m from p.s.p.; curvilinear and discontinuous surfaces (trace typically  $< 0.5$  m), slip inferred to be cm- to mm-scale

UTM coordinates given are based on North America Datum (NAD) 1927; zone 11 N (domains A-C) or zone 12 N (all other domains)