Table 14.2-3 Pinabete Permit Area Laboratory Analysis Results

Lab ID	Soil series	Sample site	Soil horizon	Sample depth	pH s.u.	EC mmhos/cm	Saturation %	Ca meq/l	Mg meq/l	Na meq/l	Sar	Sand %	Silt %	Clay %	Texture USDA	$CaCO_3$ %	Sulfur total %	NP t/kt	ABP total S t/kt	SO4 %	Organic sulfur %	Pyritic sulfur %	AB pry. S t/kt	ABP pry. S t/kt	Boron sol. mg/kg	Se total mg/kg	Se sol. mg/kg
N/A	Avalon	#546	A	0-6	8.1	0.38	-	3.16	0.71	5.95	4.3	80	8	12	SL	1.7	-	-	-	-	-	-	-	-	-	-	-
N/A	Avalon	#546	Bw	6-14	8.2	0.26	-	1.85	0.48	0.50	0.5	72	12	16	SL	4.5	-	-	-	-	-	-	-	-	-	-	-
N/A	Avalon	#546	Bk1	14-23	8.0	0.28	-	1.54	0.62	0.92	0.9	65	15	20	SL	7.8	-	-	-	-	-	-	-	-	-	-	-
N/A	Avalon	#546	Bk2	23-45	8.3	0.69	-	1.03	0.51	5.24	5.8	62	17	21	SCL	20.0	-	-	-	-	-	-	-	-	-	-	-
0398S01646	Bacobi	#428	2Btb	12-21	8.1	0.76	36	1.7	0.63	6.20	6.0	68	12	20	SCL	3.7	0.01	32	31.3	.	.	.	.	.	0.3	<0.15	<0.015
0398S01669	Bacobi	#464	Bt	11-20	8.3	1.61	34	1.9	0.58	16.00	14.0	76	11	13	SL	2.6	0.01	20	20.2	.	.	.	.	.	0.4	<0.15	<0.015
N/A	Bacobi	#863	A	0-4	7.2	0.89	-	5.18	1.72	0.87	0.5	82	7	11	LS	1.2	-	-	-	-	-	-	-	-	-	-	-
N/A	Bacobi	#863	Bt	4-14	7.7	0.54	-	1.97	0.5	2.90	2.6	80	7	13	SL	2.1	-	-	-	-	-	-	-	-	-	-	-
N/A	Bacobi	#863	Btk	14-32	7.9	0.64	-	1.35	0.44	4.70	5.0	56	15	29	SCL	4.2	-	-	-	-	-	-	-	-	-	-	-
N/A	Bacobi	#863	Btk2	32-37	7.8	1.20	-	2.58	1.05	8.85	6.6	38	26	36	CL	18.1	-	-	-	-	-	-	-	-	-	-	-
0398S02023	Beebe Variant	#521	C3	28-60	7.0	0.50	23	1.2	0.18	4.50	5.0	92	2	6	S	2.6	0.03	14	12.9	.	.	.	.	.	<0.50	<0.15	<0.015
0398S02031	Beebe Variant	#525	C1	0-33	7.2	0.55	22	2.3	0.38	3.60	3.0	89	3	8	LS	3.9	0.06	34	32.0	.	.	.	.	.	<0.50	0.35	<0.015
0398S02032	Beebe Variant	#525	C2	33-60	7.3	0.86	30	2.9	0.56	7.90	6.0	71	16	13	SL	3.1	0.03	29	28.3	.	.	.	.	.	0.2	0.35	<0.015
0398S02033	Beebe Variant	#526	A	0-4	7.4	0.27	31	1.5	0.15	1.20	1.0	78	14	8	SL	1.4	0.01	13	13.0	.	.	.	.	.	<0.50	<0.15	<0.015
0398S02034	Beebe Variant	#526	C1	4-29	7.7	0.41	26	0.84	0.08	4.10	6.0	90	4	6	S	1.1	0.02	11	10.0	.	.	.	.	.	<0.50	<0.15	<0.015
0398S02035	Beebe Variant	#526	C2	29-40	7.6	0.59	27	1.1	0.12	6.20	8.0	86	7	7	LS	1.3	0.02	13	12.4	.	.	.	.	.	<0.50	<0.15	<0.015
0398S02036	Beebe Variant	#526	C3	40-60	7.6	1.03	27	1.8	0.22	11.00	11.0	92	3	5	S	1.4	0.02	13	11.9	.	.	.	.	.	<0.50	<0.15	<0.015
0398S02044	Beebe Variant	#533	A	0-4	8.0	1.45	30	1.3	0.15	17.00	20.0	67	18	15	SL	3.0	0.02	27	26.5	.	.	.	.	.	0.3	<0.15	<0.015
0398S02045	Beebe Variant	#533	C1	4-26	7.9	10.40	48	15	3.10	88.00	30.0	57	24	19	SL	2.2	0.09	21	17.7	.	.	.	.	.	0.3	0.40	0.220
0398S02046	Beebe Variant	#533	2Byb	26-37	8.3	15.70	32	19	11.00	130.00	33.0	77	11	12	SL	1.9	0.14	16	11.5	.	.	.	.	.	0.3	0.30	0.100
0398S02047	Beebe Variant	#533	2Cy	37-60	8.4	23.10	36	19	24.00	220.00	47.0	67	16	17	SL	3.0	0.20	26	19.5	.	.	.	.	.	0.4	0.30	0.150
0398S02167	Beebe Variant	#541	A	0-5	7.5	0.71	48	2.9	0.52	5.90	5.0	42	26	32	CL	2.6	0.02	25	24.0	.	.	.	.	.	0.2	<0.15	<0.015
0398S02168	Beebe Variant	#541	Bw	5-10	7.5	0.52	30	1.6	0.25	3.70	4.0	76	12	12	SL	1.8	0.02	17	16.3	.	.	.	.	.	<0.50	<0.15	<0.015
0398S02169	Beebe Variant	#541	C1	10-28	7.5	0.37	29	1.5	0.22	2.40	3.0	88	4	8	LS	1.5	0.02	13	11.9	.	.	.	.	.	<0.50	<0.15	<0.015
0398S02170	Beebe Variant	#541	C2	28-63	7.8	0.67	29	1.5	1.60	6.70	5.0	86	6	8	LS	1.4	0.01	14	13.3	.	.	.	.	.	<0.50	<0.15	<0.015
0398S02177	Beebe Variant	#550	A	0-4	7.5	1.22	29	4.8	0.26	7.80	5.0	64	16	20	SCL	3.8	0.02	35	34.8	.	.	.	.	.	0.3	0.60	<0.015
0398S02178	Beebe Variant	#550	C1	4-30	8.4	0.80	28	1.2	0.74	9.50	10.0	88	4	8	LS	3.4	0.03	29	27.8	.	.	.	.	.	<0.50	<0.15	<0.015
0398S02179	Beebe Variant	#550	C2	30-60	8.2	2.11	36	0.55	0.33	21.00	32.0	88	4	8	LS	1.7	0.02	17	16.0	.	.	.	.	.	0.2	0.25	0.160
0398S04441	Beebe Variant	#582	C1	0-40	7.7	8.44	26	21	3.20	93.00	27.0	84	6	10	LS	2.4	0.16	26	20.8	.	.	.	.	.	0.8	<0.15	<0.015
0398S04442	Beebe Variant	#582	C2	40-68	8.0	7.06	44	8.6	5.00	84.00	32.0	84	5	11	LS	2.9	0.11	30	26.1	.	.	.	.	.	0.4	0.25	0.070
0398S01673	Benally	#466	3C	22-60	8.4	2.75	45	1.7	0.38	29.00	28.0	78	9	13	SL	4.9	0.04	53	51.9	.	.	.	.	.	0.5	<0.15	0.060
0398S01732	Benally	#473	Btn	0-8	8.0	1.92	44	0.98	0.14	25.00	33.0	60	13	27	SCL	5.4	0.02	52	51.0	.	.	.	.	.	0.8	0.35	<0.015
0398S01733	Benally	#473	Btkyn	8-20	7.7	10.40	58	19	1.80	100.00	32.0	38	23	39	CL	2.9	0.84	29	2.7	.	.	.	.	.	0.9	0.70	0.100
0398S01734	Benally	#473	Cdy	20-60	7.8	5.31	84	7	0.85	67.00	34.0	29	22	49	C	4.7	0.13	48	43.7	.	.	.	.	.	0.8	<0.15	0.030
0398S02162	Benally	#537	Btnb	13-33	7.4	9.58	39	18	3.70	70.00	21.0	58	17	25	SCL	4.8	0.10	47	43.6	.	.	.	.	.	0.3	0.30	<0.015
0398S02163	Benally	#537	Bkyb	33-45	7.6	11.90	52	26	5.30	94.00	24.0	38	26	36	CL	6.0	0.26	61	52.9	.	.	.	.	.	0.5	0.65	0.310
0398S02164	Benally	#537	2Cy	45-60	8.2	18.40	42	18	7.80	160.00	45.0	60	16	24	SCL	5.0	0.26	47	39.0	.	.	.	.	.	0.5	0.35	0.040
0398S04452	Benally	#594	Btkn	0-10	8.2	2.77	31	5.3	0.49	31.00	18.0	75	6	19	SL	11.0	0.02	109	108.2	.	.	.	.	.	0.5	0.35	<0.015
0398S04537	Benally	#658	Btn	0-17	8.1	2.12	30	1.5	0.10	27.00	30.0	68	8	24	SCL	2.7	0.02	29	28.5	.	.	.	.	.	0.7	<0.15	<0.015
0398S04538	Benally	#658	Btkn	17-28	7.7	13.30	32	24	4.10	120.00	33.0	72	6	22	SCL	4.3	0.06	39	37.1	.	.	.	.	.	1.2	0.35	<0.015

Table 14.2-3 (Continued)

Lab ID	Soil series	Sample site	Soil horizon	Sample depth	pH s.u.	EC mmhos/cm	Saturation %	Ca meq/l	Mg meq/l	Na meq/l	Sar	Sand %	Silt %	Clay %	Texture USDA	$CaCO_3$ %	Sulfur total %	NP t/kt	ABP total S t/kt	SO4 %	Organic sulfur %	Pyritic sulfur %	AB pry. S t/kt	ABP pry. S t/kt	Boron sol. mg/kg	Se total mg/kg	Se sol. mg/kg
0398S04539	Benally	#658	2C	28-50	8.0	8.13	26	13	2.40	68.00	24.0	90	2	8	S	1.5	0.03	13	12.3	.	.	.	.	.	0.8	0.25	<0.015
0398S04540	Benally	#658	2Ck	50-60	8.4	5.30	40	2.8	0.65	57.00	44.0	84	6	10	LS	4.1	0.03	32	30.8	.	.	.	.	.	0.6	<0.15	<0.015
N/A	Blancot							- No Sample Taken -																			
0398S02041	Doak	#531	A	0-5	7.6	1.04	33	4.5	0.90	4.70	3.0	63	18	19	SL	5.9	0.03	51	50.4	.	.	.	.	.	0.4	0.25	<0.015
0398S02042	Doak	#531	Bt	5-21	7.4	3.18	41	21	2.50	22.00	6.0	48	26	26	SCL	5.5	0.08	56	53.9	.	.	.	.	.	1.1	0.55	<0.015
0398S02043	Doak	#531	Bky	21-42	7.3	7.20	43	54	6.50	40.00	7.0	38	32	30	CL	3.7	0.12	36	31.9	.	.	.	.	.	0.5	0.35	0.040
0398S02048	Doak	#534	A	0-4	8.1	4.01	37	3.1	0.81	21.00	15.0	59	23	18	SL	4.6	0.03	42	40.7	.	.	.	.	.	1.0	<0.15	<0.015
0398S02049	Doak	#534	Bt	4-23	7.4	5.01	40	22	3.70	26.00	7.0	46	31	23	L	6.1	0.03	60	58.6	.	.	.	.	.	0.4	0.35	<0.015
0398S02050	Doak	#534	C	23-60	7.5	5.21	35	14	3.20	35.00	12.0	57	22	21	SCL	6.1	0.03	60	59.1	.	.	.	.	.	0.4	0.35	0.040
N/A	Fajada	#1051	C	0-12	7.8	0.32	28	1.53	0.17	1.40	1.5	84	3	13	S	1.4	-	-	-	-	-	-	-	-	-	-	-
N/A	Fajada	#907	A	0-4	7.2	0.76	27	4.28	1.2	1.08	0.7	78	11	11	SL	1.4	-	-	-	-	-	-	-	-	-	-	-
N/A	Fajada	#907	Bw	4-18	7.5	0.44	28	1.85	0.5	1.60	1.5	83	6	11	SL	2.4	-	-	-	-	-	-	-	-	-	-	-
N/A	Farb							- No Sample Taken -																			
0398S00785	Fruitland	#199	AB	0-13	7.6	0.53	29	1.9	0.36	1.50	1.0	75	10	15	SL	3.5	0.02	32	30.9	.	.	.	.	.	<0.50	<0.15	<0.015
0398S00786	Fruitland	#199	C	13-64	7.2	4.44	31	26	3.90	18.00	5.0	75	7	18	SL	3.8	0.02	33	32.3	.	.	.	.	.	<0.50	<0.15	<0.015
0398S00952	Fruitland	#200	A	0-10	7.5	2.54	29	11	1.0	16	6.7	70	17	13	SL	3.0	0.02	27	26.6	.	.	.	.	.	<0.50	<0.15	<0.015
0398S00953	Fruitland	#200	Btk	10-29	7.5	0.58	43	2.4	0.13	3.1	2.7	55	22	23	SCL	1.7	0.03	16	15.2	.	.	.	.	.	<0.50	<0.15	<0.015
0398S00954	Fruitland	#200	Bk	29-60	7.6	1.15	25	1.9	0.10	8.6	8.6	90	5	5	S	1.4	0.02	13	12.1	.	.	.	.	.	<0.50	<0.15	<0.015
0398S01458	Fruitland	#410	Btn	0-5	8.3	0.93	48	2.9	1.30	9.90	7.0	82	4	14	SL	5.3	0.01	49	48.9	.	.	.	.	.	<0.50	<0.15	<0.015
0398S01459	Fruitland	#410	2Bk	5-29	8.3	5.64	34	3.4	1.20	57.00	38.0	91	1	8	S	2.3	0.03	15	14.4	.	.	.	.	.	0.3	0.25	0.080
0398S01460	Fruitland	#410	2Ck	29-34	8.4	7.11	46	3.5	2.50	77.00	45.0	93	1	6	S	2.9	0.06	23	21.2	.	.	.	.	.	0.5	0.25	0.080
0398S01462	Fruitland	#413	A	0-8	7.5	0.41	24	2.6	0.27	0.60	1.0	96	1	3	S	1.3	0.01	11	10.2	.	.	.	.	.	<0.50	<0.15	<0.015
0398S01463	Fruitland	#413	C	8-26	7.5	0.29	27	1.3	0.32	1.50	2.0	78	7	15	SL	1.3	0.01	11	10.7	.	.	.	.	.	<0.50	<0.15	<0.015
0398S01464	Fruitland	#413	Btkb	26-50	8.4	1.00	30	1.3	0.57	10.00	10.0	86	4	10	LS	2.9	0.01	24	23.6	.	.	.	.	.	<0.50	<0.15	<0.015
0398S01465	Fruitland	#413	2Btnb	50-60	8.2	2.65	47	1.5	0.50	31.00	31.0	61	19	20	SCL	6.9	0.03	65	64.0	.	.	.	.	.	<0.50	<0.15	<0.015
0398S02012	Fruitland	#507	2Ck	39-60	7.7	7.52	46	14	6.30	5.30	2.0	67	18	15	SL	2.6	0.07	26	23.4	.	.	.	.	.	1.0	<0.15	0.060
0398S04447	Fruitland	#586	C1	0-19	7.8	1.16	26	1.7	0.26	14.00	14.0	81	6	13	SL	2.7	0.03	29	28.0	.	.	.	.	.	0.3	<0.15	<0.015
0398S04448	Fruitland	#586	C2	19-42	8.0	10.00	40	19	4.50	97.00	28.0	88	5	7	LS	2.1	0.17	22	16.8	.	.	.	.	.	1.5	<0.15	0.040
0398S04449	Fruitland	#586	C3	42-60	8.1	7.95	34	12	4.80	90.00	31.0	90	4	6	S	2.6	0.12	27	23.1	.	.	.	.	.	0.4	<0.15	0.130
0398S04516	Fruitland	#595	Ck	10-35	7.9	1.96	23	1.7	0.20	17.00	18.0	85	5	10	LS	5.4	0.04	51	49.4	.	.	.	.	.	<0.50	<0.15	<0.015
0398S04517	Fruitland	#595	C	35-60	8.2	2.36	25	0.95	0.25	22.00	28.0	94	2	4	S	2.6	0.04	26	24.7	.	.	.	.	.	0.3	<0.15	<0.015
0398S04610	Fruitland	#634	2Btk	8-19	7.8	0.55	22	1.8	0.21	4.30	4.3	76	6	18	SL	10.0	0.02	98	97.1	.	.	.	.	.	0.2	<0.15	<0.015
0398S04611	Fruitland	#636	C	0-15	7.6	0.37	21	1.8	0.15	1.80	1.8	82	6	12	SL	3.0	0.01	30	30.1	.	.	.	.	.	<0.50	<0.15	<0.015
0398S04612	Fruitland	#636	Ck	15-23	7.9	0.92	26	0.86	0.15	7.80	11.0	78	8	14	SL	4.6	0.02	47	46.4	.	.	.	.	.	0.2	<0.15	<0.015
0398S04613	Fruitland	#636	C	23-60	8.3	0.69	23	0.44	0.34	6.10	9.8	89	2	9	LS	2.1	0.03	21	20.2	.	.	.	.	.	<0.50	<0.15	<0.015
0398S04547	Fruitland	#663	Bw	3-18	7.9	0.51	21	0.7	0.05	3.30	5.4	86	4	10	LS	3.3	0.01	25	24.5	.	.	.	.	.	<0.50	<0.15	<0.015
0398S04548	Fruitland	#663	Ck	18-37	7.6	5.77	30	16	1.55	56.00	19.0	76	6	18	SL	6.1	0.07	60	57.9	.	.	.	.	.	0.6	0.30	<0.015
0398S04549	Fruitland	#663	C	37-60	7.7	5.35	23	13	1.45	51.00	19.0	92	3	5	S	3.2	0.06	27	24.7	.	.	.	.	.	0.3	<0.15	<0.015
N/A	Gilco	#1224	A	0-5	8.1	0.68	-	2.6	0.38	3.45	2.8	67	14	19	SL	2.3	-	-	-	-	-	-	-	-	-	-	-
N/A	Gilco	#1224	C1	5-30	7.8	6.00	-	19.34	3.24	45.87	13.7	74	8	18	SL	2.5	-	-	-	-	-	-	-	-	-	-	-

Table 14.2-3 (Continued)

Lab ID	Soil series	Sample site	Soil horizon	Sample depth	pH s.u.	EC mmhos/cm	Saturation %	Ca meq/l	Mg meq/l	Na meq/l	Sar	Sand %	Silt %	Clay %	Texture USDA	$CaCO_3$ %	Sulfur total %	NP t/kt	ABP total S t/kt	SO4 %	Organic sulfur %	Pyritic sulfur %	AB pry. S t/kt	ABP pry. S t/kt	Boron sol. mg/kg	Se total mg/kg	Se sol. mg/kg
N/A	Gilco	#1224	C2	30-75	8.0	8.00	-	12.09	3.29	78.54	28.3	86	5	9	LS	1.5	-	-	-	-	-	-	-	-	-	-	-
N/A	Grieta	#741	A	0-4	-	0.51	-	1.97	0.68	1.08	0.9	61	20	19	CL	-	-	-	-	-	-	-	-	-	-	-	-
N/A	Grieta	#741	Bt	4-15	-	0.36	-	1.43	0.27	1.60	1.7	56	17	27	CL	-	-	-	-	-	-	-	-	-	-	-	-
N/A	Grieta	#889	A	0-6	7.7	0.48	-	2.77	0.57	0.87	0.7	82	6	12	FSL	1.5	-	-	-	-	-	-	-	-	-	-	-
N/A	Grieta	#889	Bt	6-20	7.7	0.48	-	1.39	0.44	2.74	2.9	73	7	20	SCL	3.8	-	-	-	-	-	-	-	-	-	-	-
N/A	Grieta	#889	Btk	20-35	8.0	0.80	-	0.68	0.22	7.39	11.0	59	20	21	SCL	21.9	-	-	-	-	-	-	-	-	-	-	-
N/A	Huerfano	#1153	A/E	0-2	8.2	2.35	39	0.86	0.41	26.60	33.4	50	16	34	C	10.8	-	-	-	-	-	-	-	-	-	-	-
N/A	Huerfano	#1153	Btn	2-8	8.7	1.80	73	1.12	0.37	20.90	24.2	46	23	31	C	13.1	-	-	-	-	-	-	-	-	-	-	-
N/A	Huerfano	#1153	By	8-20	8.1	7.00	117	19.35	2.61	85.67	25.8	7	54	39	C	16.3	-	-	-	-	-	-	-	-	-	-	-
N/A	Huerfano	#994	Btn	0-4	8.5	0.88	47	0.43	0.17	8.49	15.5	47	20	33	C	5.7	-	-	-	-	-	-	-	-	-	-	-
N/A	Huerfano	#994	By	4-10	8.0	3.00	69	19.92	2.58	61.03	18.2	24	39	37	C	19.9	-	-	-	-	-	-	-	-	-	-	-
0398S02027	Jocity	#524	Bw	0-16	7.2	0.71	27	2.1	0.23	6.50	6.0	74	13	13	SL	2.8	0.02	26	24.9	.	.	.	.	.	2.4	<0.15	<0.015
0398S02028	Jocity	#524	C1	16-27	7.4	2.72	36	5.1	0.67	33.00	20.0	59	19	22	SCL	2.9	0.03	29	28.1	.	.	.	.	.	0.7	0.25	0.020
0398S02029	Jocity	#524	C2	27-41	7.3	4.16	83	10	1.40	46.00	19.0	20	34	46	C	2.1	0.07	22	20.0	.	.	.	.	.	0.4	0.35	0.120
0398S02030	Jocity	#524	C3	41-60	7.2	5.96	60	28	3.70	57.00	14.0	22	38	40	C	5.0	0.19	50	43.7	.	.	.	.	.	0.4	0.40	0.080
0398S02037	Jocity	#529	C	0-9	8.1	8.95	37	7.3	0.96	94.00	46.0	59	26	15	SL	3.4	0.05	30	28.7	.	.	.	.	.	1.0	<0.15	<0.015
0398S02038	Jocity	#529	Bynb	9-15	7.8	16.50	38	34	5.40	130.00	29.0	48	34	18	L	2.0	0.13	39	35.0	.	.	.	.	.	1.0	<0.15	<0.015
0398S02039	Jocity	#529	C1	15-32	7.0	11.90	43	35	6.50	85.00	19.0	48	32	20	L	3.3	0.14	33	29.1	.	.	.	.	.	0.7	0.50	<0.015
0398S02040	Jocity	#529	C3	32-50	7.4	4.84	31	33	4.80	33.00	8.0	67	19	14	SL	1.9	0.06	19	17.1	.	.	.	.	.	0.3	<0.15	<0.015
0398S02165	Jocity	#540	C	0-13	8.1	1.98	30	1.5	0.57	26.00	26.0	68	19	13	SL	7.3	0.02	92	91.2	.	.	.	.	.	0.2	<0.15	<0.015
0398S02166	Jocity	#540	Btknb	13-22	7.9	12.30	53	23	2.40	100.00	30.0	42	32	26	L	6.4	0.30	65	56.0	.	.	.	.	.	0.4	0.30	<0.015
N/A	Jocity	N/A	A	0-5	8.2	0.65	-	1.18	0.13	5.44	6.7	74	8	18	SL	2.1	-	-	-	-	-	-	-	-	-	-	-
N/A	Jocity	N/A	C1	5-44	7.9	3.90	25	10.33	1.41	31.24	12.9	60	16	24	SL	2.1	-	-	-	-	-	-	-	-	-	-	-
N/A	Jocity	N/A	C2	44-91	8.3	2.00	27	1.84	0.36	15.61	14.9	61	13	26	SL	2.3	-	-	-	-	-	-	-	-	-	-	-
N/A	Mack							- No Sample Taken -																			
0398S00782	Mayqueen	#3	A	0-4	7.5	0.57	29	2.3	0.60	2.60	2.0	78	7	15	SL	6.0	0.02	55	54.2	.	.	.	.	.	<0.50	<0.15	<0.015
0398S00783	Mayqueen	#3	Bt	4-21	7.9	1.09	30	1.6	0.49	9.90	10.0	70	11	19	SL	6.3	0.02	55	54.0	.	.	.	.	.	<0.50	<0.15	<0.015
0398S00784	Mayqueen	#3	C	21-53	7.6	7.71	32	13	2.50	51.00	18.0	78	7	15	SL	4.2	0.07	37	34.6	.	.	.	.	.	<0.50	0.25	<0.015
0398S01743	Mayqueen	#484	A	0-11	7.3	0.39	24	3.1	0.29	0.63	0.0	88	5	7	LS	1.1	0.01	8	7.5	.	.	.	.	.	<0.50	<0.15	<0.015
0398S01744	Mayqueen	#484	Bw	11-22	7.2	0.33	27	2.3	0.39	0.88	1.0	85	6	9	LS	2.2	0.01	13	13.0	.	.	.	.	.	<0.50	<0.15	<0.015
0398S01745	Mayqueen	#484	Bt	22-31	7.3	0.32	29	2.1	0.57	0.81	1.0	83	5	12	LS	2.5	0.01	14	14.0	.	.	.	.	.	<0.50	<0.15	<0.015
0398S01746	Mayqueen	#484	C	31-39	7.4	0.30	28	1.2	0.41	1.40	2.0	93	0	7	S	0.9	0.01	6	5.6	.	.	.	.	.	<0.50	<0.15	<0.015
0398S01747	Mayqueen	#484	2Ck	39-60	7.7	0.74	25	0.58	0.24	6.50	10.0	90	6	4	S	2.8	0.02	18	16.9	.	.	.	.	.	<0.50	<0.15	<0.015
0398S01986	Monierco	#502	Btk	0-10	7.2	0.40	29	1.9	0.28	2.40	2.0	70	11	19	SL	6.5	0.01	49	48.8	.	.	.	.	.	0.2	<0.15	<0.015
0398S01987	Monierco	#502	2Ck	10-20	7.7	1.17	41	0.84	0.24	12.00	17.0	25	42	33	CL	14.0	0.01	137	136.9	.	.	.	.	.	0.4	0.35	<0.015
0398S01642	Muff	#420	Btn	0-10	8.2	3.67	55	1.7	0.28	35.00	35.0	51	16	33	SCL	4.2	0.02	40	39.3	.	.	.	.	.	2.3	0.45	0.020
0398S01643	Muff	#420	Btyn	10-20	7.9	13.00	57	25	1.80	130.00	34.0	38	22	40	C	5.3	0.19	51	44.9	.	.	.	.	.	1.0	0.65	0.100
0398S01644	Muff	#420	Cy	20-34	7.9	11.80	46	23	1.80	110.00	32.0	28	29	43	C	5.8	0.14	55	51.1	.	.	.	.	.	1.5	0.55	0.080
0398S01645	Muff	#420	Btnb	34-58	8.1	4.37	39	3.1	0.44	45.00	34.0	38	39	23	L	5.3	0.03	45	44.3	.	.	.	.	.	0.7	0.55	0.100
0398S01663	Muff	#444	Btn	0-8	7.8	5.11	47	7.7	0.66	39.00	19.0	38	24	38	CL	8.2	0.06	74	72.0	.	.	.	.	.	1.0	0.35	<0.015

Table 14.2-3 (Continued)

Lab ID	Soil series	Sample site	Soil horizon	Sample depth	pH s.u.	EC mmhos/cm	Saturation %	Ca meq/l	Mg meq/l	Na meq/l	Sar	Sand %	Silt %	Clay %	Texture USDA	$CaCO_3$ %	Sulfur total %	NP t/kt	ABP total S t/kt	SO4 %	Organic sulfur %	Pyritic sulfur %	AB pry. S t/kt	ABP pry. S t/kt	Boron sol. mg/kg	Se total mg/kg	Se sol. mg/kg
0398S01664	Muff	#444	2Bky	8-15	7.8	11.20	53	22	2.00	100.00	29.0	26	34	40	C	5.1	1.98	50	-11.6	2	0	0	0	50.2	1.3	0.35	0.020
0398S01665	Muff	#444	2Cky	15-25	7.8	9.71	68	20	2.50	85.00	25.0	18	37	45	C	5.6	0.49	54	38.9	.	.	.	.	.	0.8	0.25	<0.015
0398S02173	Muff	#547	Btn	0-4	7.6	0.79	51	1.5	0.68	8.70	8.0	40	24	36	CL	2.6	0.02	26	25.5	.	.	.	.	.	0.3	<0.15	<0.015
0398S02174	Muff	#547	Btkyn	4-17	7.5	7.99	93	15	3.20	71.00	24.0	18	30	52	C	2.1	0.60	20	1.6	.	.	.	.	.	0.2	0.30	0.060
0398S02175	Muff	#547	C1	17-54	7.4	5.25	60	12	2.50	43.00	16.0	32	36	32	CL	3.5	0.09	33	29.8	.	.	.	.	.	<0.50	<0.15	0.040
0398S02176	Muff	#547	C2	54-60	7.7	2.80	30	3.4	0.78	29.00	20.0	70	14	16	SL	4.8	0.04	45	43.7	.	.	.	.	.	0.3	0.25	0.040
N/A	Patel	#1242	A	0-8	7.9	0.50	31	1.58	0.28	6.08	6.3	80	8	12	S	-	-	-	-	-	-	-	-	-	-	-	-
0398S01982	Persayo	#495	C	0-6	7.0	0.45	28	3.7	0.48	0.72	0.0	58	19	23	SCL	9.3	0.01	87	86.6	.	.	.	.	.	0.3	<0.15	<0.015
0398S02015	Persayo	#514	2Btkn	10-21	7.8	6.78	47	4.9	2.10	79.00	42.0	44	24	32	CL	7.0	0.04	157	155.6	.	.	.	.	.	1.2	0.40	<0.015
0398S02016	Persayo	#515	Btn	0-11	7.9	0.68	29	0.69	0.16	7.50	11.0	62	17	21	SCL	5.1	0.01	49	48.9	.	.	.	.	.	0.3	<0.15	<0.015
0398S02024	Persayo	#522	C	0-9	7.2	0.38	30	0.89	0.10	3.70	5.0	89	5	6	S	1.3	0.01	12	11.2	.	.	.	.	.	<0.50	<0.15	<0.015
0398S02025	Persayo	#522	Btnb	9-17	7.5	3.49	33	3.8	0.64	40.00	27.0	86	5	9	LS	2.0	0.03	16	14.9	.	.	.	.	.	0.2	<0.15	<0.015
0398S02026	Persayo	#522	2By	17-28	7.2	6.03	31	26	4.50	59.00	15.0	79	12	9	SL	3.4	0.20	27	20.6	.	.	.	.	.	0.8	<0.15	<0.015
0398S02184	Persayo	#560	C1	0-8	7.0	3.09	41	27	4.40	12.00	3.0	62	14	24	SCL	3.6	0.17	38	32.6	.	.	.	.	.	0.8	0.55	<0.015
0398S02185	Persayo	#560	C2	8-14	6.8	3.15	37	27	6.00	10.00	2.0	69	9	22	SCL	3.8	0.22	40	32.7	.	.	.	.	.	0.6	0.50	<0.015
N/A	Persayo	#616	A	0-4	7.9	0.69	-	4.32	0.62	1.84	1.2	66	13	21	SL	6.5	-	-	-	-	-	-	-	-	-	-	-
0398S01461	Razito	#411	2Cy	46-60	8.4	16.70	38	19	7.10	180.00	51.0	88	4	8	LS	3.2	0.30	28	18.1	.	.	.	.	.	0.2	0.25	0.050
0398S01647	Razito	#431	C	0-19	7.4	0.32	26	2.4	0.55	1.80	1.0	93	2	5	S	0.6	0.01	5	5.1	.	.	.	.	.	<0.50	<0.15	<0.015
0398S01648	Razito	#431	2Btk	19-26	8.1	0.75	37	2.8	0.91	8.10	6.0	78	4	18	SL	6.9	0.01	44	44.2	.	.	.	.	.	0.5	<0.15	<0.015
0398S01649	Razito	#431	3Bky	26-36	7.6	7.31	68	19	4.90	66.00	19.0	51	19	30	SCL	11.0	0.15	107	102.7	.	.	.	.	.	1.3	0.60	0.050
0398S01651	Razito	#435	Btkb	29-39	8.1	1.12	31	3.5	0.97	12.00	8.0	83	7	10	LS	3.7	0.01	27	26.8	.	.	.	.	.	0.3	<0.15	<0.015
0398S01661	Razito	#454	Btb	35-45	7.5	0.30	36	1.5	0.34	1.90	2.0	61	14	25	SCL	2.9	0.01	25	24.5	.	.	.	.	.	0.3	<0.15	<0.015
0398S01662	Razito	#454	C	45-60	7.7	0.49	25	2.3	0.50	3.70	3.0	88	4	8	LS	1.7	0.01	13	12.4	.	.	.	.	.	0.2	<0.15	<0.015
0398S01727	Razito	#471	A	0-5	7.5	0.44	25	3.2	0.34	0.72	1.0	88	5	7	LS	1.3	0.01	9	8.9	.	.	.	.	.	<0.50	<0.15	<0.015
0398S01728	Razito	#471	C	5-19	7.8	0.68	27	0.75	0.13	7.40	11.0	90	3	7	S	1.0	0.01	7	6.9	.	.	.	.	.	<0.50	<0.15	<0.015
0398S01729	Razito	#471	2Btn	19-31	8.0	2.99	43	1.9	0.35	41.00	38.0	68	13	19	SL	5.4	0.02	48	47.8	.	.	.	.	.	0.6	0.45	<0.015
0398S01730	Razito	#471	2Cky	31-60	7.7	9.85	37	25	3.50	100.00	26.0	80	6	14	SL	1.4	0.14	10	5.6	.	.	.	.	.	0.6	0.55	0.060
0398S01731	Razito	#472	2Btkyn	18-31	7.7	11.60	47	23	2.20	110.00	31.0	53	15	32	SCL	4.1	0.95	44	14.3	.	.	.	.	.	1.1	0.40	<0.015
0398S01735	Razito	#477	2Btkn	31-46	8.4	5.58	34	1.7	0.62	62.00	58.0	85	3	12	LS	3.5	0.03	23	21.6	.	.	.	.	.	0.4	0.25	<0.015
0398S01736	Razito	#477	2Bck	46-60	8.1	10.40	31	19	4.40	110.00	32.0	88	1	11	LS	3.3	0.07	22	19.5	.	.	.	.	.	0.5	<0.15	0.020
0398S01988	Razito	#505	C1	0-46	7.3	0.43	30	1.2	0.12	3.30	4.0	90	5	5	S	1.2	0.02	14	12.9	.	.	.	.	.	<0.50	<0.15	<0.015
0398S01989	Razito	#505	C2	46-60	7.4	1.82	34	6.1	0.68	14.00	8.0	83	9	8	LS	1.5	0.02	13	12.2	.	.	.	.	.	<0.50	<0.15	<0.015
0398S02171	Razito	#544	C1	0-31	7.3	0.29	30	1.7	0.45	1.40	1.0	90	2	8	S	1.4	0.01	12	11.2	.	.	.	.	.	<0.50	<0.15	<0.015
0398S02172	Razito	#544	C2	31-60	7.5	0.42	29	0.78	0.08	3.90	6.0	90	2	8	S	1.4	0.02	12	10.9	.	.	.	.	.	<0.50	<0.15	<0.015
0398S04450	Razito	#593	2Btkn	30-47	8.2	11.30	38	12	6.20	130.00	43.0	68	9	23	SCL	8.4	0.11	73	69.7	.	.	.	.	.	0.6	0.35	<0.015
0398S04451	Razito	#593	2C	47-60	8.7	7.40	39	3.1	1.60	86.00	56.0	87	6	7	LS	4.4	0.07	40	37.6	.	.	.	.	.	0.5	0.30	<0.015
0398S04530	Razito	#647	A	0-4	7.4	0.24	21	1.7	0.10	0.15	0.2	92	2	6	S	0.5	0.01	5	5.0	.	.	.	.	.	<0.50	<0.15	<0.015
0398S04531	Razito	#647	C1	4-15	7.4	0.22	23	1.7	0.10	0.15	0.2	92	1	7	S	0.8	0.01	8	7.3	.	.	.	.	.	<0.50	<0.15	<0.015
0398S04532	Razito	#647	C2	15-42	7.5	0.26	25	1.3	0.15	0.70	0.8	94	1	5	S	1.2	0.01	9	8.8	.	.	.	.	.	<0.50	<0.15	<0.015
0398S04533	Razito	#647	C3	42-60	8.6	0.69	27	0.3	0.05	5.40	13.0	92	3	5	S	0.7	0.01	6	5.3	.	.	.	.	.	<0.50	<0.15	<0.015

Table 14.2-3 (Continued)

Lab ID	Soil series	Sample site	Soil horizon	Sample depth	pH s.u.	EC mmhos/cm	Saturation %	Ca meq/l	Mg meq/l	Na meq/l	Sar	Sand %	Silt %	Clay %	Texture USDA	$CaCO_3$ %	Sulfur total %	NP t/kt	ABP total S t/kt	SO4 %	Organic sulfur %	Pyritic sulfur %	AB pry. S t/kt	ABP pry. S t/kt	Boron sol. mg/kg	Se total mg/kg	Se sol. mg/kg
0398S04536	Razito	#656	Btb	33-60	8.2	0.67	27	0.9	0.20	6.20	8.4	74	6	20	SCL	5.9	0.01	53	53.0	.	.	.	.	.	0.3	<0.15	<0.015
N/A	Redlands	#750	Btk	20-37	-	0.81	-	0.68	0.14	6.98	10.9	69	11	20	SCL	-	-	-	-	-	-	-	-	-	-	-	-
N/A	Redlands	#775	A	0-5	7.8	0.46	27	2.84	0.42	0.71	0.6	77	13	10	FSL	1.4	-	-	-	-	-	-	-	-	-	-	-
N/A	Redlands	#775	Bt1	5-12	7.8	0.35	32	1.89	0.34	1.08	1.0	77	8	15	SCL	2.7	-	-	-	-	-	-	-	-	-	-	-
N/A	Redlands	#775	Bt2	12-22	8.1	0.42	36	2.07	0.75	1.10	0.9	66	11	23	SCL	3.6	-	-	-	-	-	-	-	-	-	-	-
N/A	Redlands	#775	Btk	22-33	7.9	2.50	45	3.73	1.5	19.69	12.2	54	17	29	SCL	3.5	-	-	-	-	-	-	-	-	-	-	-
N/A	Redlands	#775	C	33-43	7.7	3.30	31	7.88	3.05	23.17	9.9	81	5	14	SL	1.8	-	-	-	-	-	-	-	-	-	-	-
N/A	Redlands	#864	A	0-6	7.5	0.71	30	4.28	1.09	1.08	0.7	73	13	14	FSL	1.9	-	-	-	-	-	-	-	-	-	-	-
N/A	Redlands	#864	Bt1	6-15	7.7	0.50	30	2.31	0.68	1.60	1.3	69	12	19	SL	2.7	-	-	-	-	-	-	-	-	-	-	-
N/A	Redlands	#864	Bt2	15-28	7.8	0.47	34	1.93	0.61	2.02	1.8	72	7	21	SCL	3.7	-	-	-	-	-	-	-	-	-	-	-
N/A	Redlands	#864	C	28-63	7.8	1.00	32	3.1	1.24	5.72	3.9	86	4	10	LS	2.6	-	-	-	-	-	-	-	-	-	-	-
0398S04437	Shiprock	#574	A	0-4	7.6	0.52	21	4	0.71	1.60	1.0	76	13	11	SL	2.2	0.01	21	20.8	.	.	.	.	.	<0.50	<0.15	<0.015
0398S04438	Shiprock	#574	Bt	4-11	7.6	0.40	24	2.2	0.44	3.50	3.0	79	8	13	SL	2.7	0.01	20	19.6	.	.	.	.	.	0.2	<0.15	<0.015
0398S04439	Shiprock	#574	Bkyb	11-30	8.1	1.14	47	2.1	0.40	14.00	13.0	46	27	27	SCL	7.9	0.01	149	148.4	.	.	.	.	.	0.8	<0.15	<0.015
0398S04440	Shiprock	#574	C	30-60	7.6	6.76	26	27	8.00	61.00	15.0	90	3	7	S	1.5	0.12	11	7.1	.	.	.	.	.	1.2	<0.15	<0.015
0398S01457	Shiprock	#400	2Bt	15-22	8.2	1.18	44	1.5	0.47	12.00	12.0	84	6	10	LS	6.3	0.02	58	56.9	.	.	.	.	.	<0.50	0.35	<0.015
0398S01652	Shiprock	#423	Bw	0-13	7.3	0.32	26	2.1	0.38	1.50	1.0	91	4	5	S	0.0	0.01	6	5.8	.	.	.	.	.	<0.50	<0.15	<0.015
0398S01653	Shiprock	#423	Btk	13-19	8.0	0.85	32	2	0.58	8.80	8.0	83	6	11	LS	3.7	0.01	22	22.1	.	.	.	.	.	0.2	<0.15	<0.015
0398S01658	Shiprock	#451	Bw	0-26	7.4	0.37	28	2.3	0.30	1.60	1.0	86	6	8	LS	2.5	0.01	20	19.4	.	.	.	.	.	<0.50	<0.15	<0.015
0398S01659	Shiprock	#451	Btkb	26-56	7.9	0.86	32	2.1	0.43	8.90	8.0	76	9	15	SL	3.7	0.01	26	26.0	.	.	.	.	.	0.4	<0.15	<0.015
0398S01660	Shiprock	#451	2Ck	56-60	7.7	1.50	34	1.8	0.39	15.00	15.0	73	9	18	SL	2.3	0.01	17	16.8	.	.	.	.	.	1.0	<0.15	<0.015
0398S01666	Shiprock	#456	Bw	0-17	7.8	0.52	27	1.2	0.59	4.40	5.0	92	3	5	S	0.6	0.01	5	4.8	.	.	.	.	.	<0.50	<0.15	<0.015
0398S01667	Shiprock	#456	Btk	17-24	8.5	0.81	31	4.3	0.83	7.20	4.0	86	4	10	LS	3.6	0.01	26	25.8	.	.	.	.	.	0.2	<0.15	<0.015
0398S01668	Shiprock	#456	Bk	24-60	8.6	2.46	35	2.5	0.40	22.00	19.0	83	4	13	SL	3.4	0.02	24	23.4	.	.	.	.	.	0.5	<0.15	<0.015
0398S01737	Shiprock	#478	2Btk	16-26	8.1	0.78	32	0.94	0.30	9.20	12.0	75	11	14	SL	13.0	0.01	112	111.8	.	.	.	.	.	0.2	<0.15	<0.015
0398S01738	Shiprock	#478	2Bk	26-60	7.9	3.17	31	2.9	1.40	37.00	25.0	90	3	7	S	2.3	0.02	15	14.2	.	.	.	.	.	0.6	<0.15	<0.015
0398S01739	Shiprock	#481	Btn	0-8	8.1	1.34	30	0.88	0.19	20.00	27.0	83	5	12	LS	1.7	0.01	13	13.0	.	.	.	.	.	0.5	0.25	<0.015
0398S01740	Shiprock	#481	Bk	8-44	7.7	8.96	30	24	1.20	92.00	26.0	88	5	7	LS	1.3	0.18	8	2.8	.	.	.	.	.	0.6	0.40	0.040
0398S01741	Shiprock	#481	2Ck	44-60	8.0	5.95	40	4.5	0.69	64.00	40.0	88	3	9	LS	3.3	0.04	25	23.6	.	.	.	.	.	0.2	0.40	0.090
0398S01742	Shiprock	#482	Bkyn	0-17	7.6	6.93	26	24	2.20	65.00	18.0	83	5	12	LS	2.7	0.10	22	18.5	.	.	.	.	.	0.5	0.35	<0.015
0398S02180	Shiprock	#553	A	0-4	7.4	0.44	25	1.3	0.34	3.70	4.0	74	12	14	SL	4.1	0.01	37	37.1	.	.	.	.	.	<0.50	<0.15	<0.015
0398S02181	Shiprock	#553	Bw	4-9	7.8	0.54	26	1.3	0.22	5.10	6.0	82	6	12	SL	5.0	0.01	33	32.5	.	.	.	.	.	<0.50	<0.15	<0.015
0398S02182	Shiprock	#553	Btk	9-16	8.2	0.94	32	2.7	0.65	14.00	11.0	78	8	14	SL	8.5	0.02	64	63.2	.	.	.	.	.	0.3	<0.15	<0.015
0398S02183	Shiprock	#553	C	16-34	7.8	7.88	28	9.1	5.00	79.00	30.0	86	6	8	LS	1.8	0.03	15	14.2	.	.	.	.	.	0.8	0.30	<0.015
0398S04443	Shiprock	#583	Bw	0-11	7.6	0.46	22	3.3	0.59	1.30	0.9	83	10	7	LS	1.6	0.01	13	12.2	.	.	.	.	.	<0.50	<0.15	<0.015
0398S04444	Shiprock	#583	Bt	11-22	7.8	0.50	25	1.8	0.39	5.20	5.0	84	5	11	LS	2.9	0.01	23	22.7	.	.	.	.	.	<0.50	<0.15	<0.015
0398S04445	Shiprock	#583	BCk	22-50	8.2	1.02	27	1.1	0.31	13.00	16.0	87	4	9	LS	3.8	0.02	35	34.8	.	.	.	.	.	0.3	<0.15	<0.015
0398S04446	Shiprock	#583	2Ck	50-61	8.0	3.67	25	3	1.30	44.00	30.0	92	3	5	S	2.3	0.04	19	17.9	.	.	.	.	.	0.5	<0.15	<0.015
0398S04541	Shiprock	#659	2Bk2	32-51	8.6	3.95	35	1.3	0.50	40.00	42.0	84	5	11	LS	4.2	0.03	33	32.5	.	.	.	.	.	0.7	0.30	0.030
0398S04542	Shiprock	#660	2Btk	12-27	8.4	1.50	36	5.3	1.84	17.00	9.1	74	8	18	SL	3.6	0.02	32	31.8	.	.	.	.	.	0.7	0.25	<0.015

Table 14.2-3 (Continued)

Lab ID	Soil series	Sample site	Soil horizon	Sample depth	pH s.u.	EC mmhos/cm	Saturation %	Ca meq/l	Mg meq/l	Na meq/l	Sar	Sand %	Silt %	Clay %	Texture USDA	$CaCO_3$ %	Sulfur total %	NP t/kt	ABP total S t/kt	SO4 %	Organic sulfur %	Pyritic sulfur %	AB pry. S t/kt	ABP pry. S t/kt	Boron sol. mg/kg	Se total mg/kg	Se sol. mg/kg
0398S04543	Shiprock	#660	2Bk	27-60	7.8	7.02	27	24	4.05	48.00	13.0	88	4	8	LS	3.4	0.10	27	24.0	.	.	.	.	.	0.4	<0.15	<0.015
0398S04544	Shiprock	#662	Bw	0-12	7.5	0.34	22	1.9	0.15	0.45	0.5	86	6	8	LS	1.4	0.01	12	11.6	.	.	.	.	.	<0.50	<0.15	<0.015
0398S04545	Shiprock	#662	Btk	12-29	7.8	0.49	23	0.7	0.10	3.30	5.1	82	6	12	SL	2.6	0.01	21	20.8	.	.	.	.	.	0.2	<0.15	<0.015
0398S04546	Shiprock	#662	Bk	29-61	8.2	2.63	34	0.85	0.35	23.00	29.0	84	6	10	LS	5.6	0.02	50	49.2	.	.	.	.	.	0.5	<0.15	<0.015
N/A	Shiprock Variant	#739	A	0-6	7.6	0.60	29	3.39	0.68	1.04	0.7	73	14	13	SL	2.5	-	-	-	-	-	-	-	-	-	-	-
N/A	Shiprock Variant	#739	Bw	6-15	7.9	0.39	31	1.43	0.62	1.60	1.7	81	7	12	SL	4.3	-	-	-	-	-	-	-	-	-	-	-
N/A	Shiprock Variant	#739	Btk	15-33	8.0	0.63	33	1.07	0.26	4.70	5.8	74	11	15	SL	5.5	-	-	-	-	-	-	-	-	-	-	-
N/A	Shiprock Variant	#739	Bk	33-47	8.0	1.20	30	1.89	0.61	8.80	7.9	64	15	21	SCL	24.3	-	-	-	-	-	-	-	-	-	-	-
N/A	Shiprock Variant	#755	A	0-5	7.9	0.38	28	2.05	0.34	0.76	0.7	80	8	12	SL	4.9	-	-	-	-	-	-	-	-	-	-	-
N/A	Shiprock Variant	#755	Btk1	5-17	8.0	0.53	29	1.15	0.21	3.67	0.5	74	9	17	SCL	2.1	-	-	-	-	-	-	-	-	-	-	-
N/A	Shiprock Variant	#755	Btk2	17-22	8.1	0.61	29	0.84	0.16	5.21	7.4	74	10	16	SCL	6.7	-	-	-	-	-	-	-	-	-	-	-
N/A	Shiprock Variant	#755	Bk	22-31	8.3	0.91	34	0.44	0.15	8.09	14.9	50	23	27	SCL	35.0	-	-	-	-	-	-	-	-	-	-	-
N/A	Shiprock Variant	#776	A	0-5	7.7	0.49	29	2.81	0.48	1.18	0.9	80	9	11	FSL	3.6	-	-	-	-	-	-	-	-	-	-	-
N/A	Shiprock Variant	#776	Bt	5-14	7.8	0.46	32	2.73	0.66	1.08	0.8	76	10	14	Sl	1.2	-	-	-	-	-	-	-	-	-	-	-
N/A	Shiprock Variant	#776	Btk	14-28	8.0	0.51	33	1.03	0.31	3.72	4.5	76	9	15	SCL	3.2	-	-	-	-	-	-	-	-	-	-	-
N/A	Shiprock Variant	#776	Bk	28-35	8.2	0.50	31	2.65	0.34	1.76	1.4	65	14	21	SCL	25.5	-	-	-	-	-	-	-	-	-	-	-
0398S01654	Stumble	#447	2Cy	20-40	7.2	3.53	27	25	2.20	16.00	4.0	91	1	8	S	2.0	0.06	23	20.6	.	.	.	.	.	0.3	<0.15	<0.015
0398S01655	Stumble	#447	2Ck	40-54	8.0	0.75	29	1.2	0.74	6.80	7.0	93	2	5	S	0.7	0.02	9	8.1	.	.	.	.	.	<0.50	<0.15	<0.015
0398S01983	Stumble	#497	Bw	0-11	7.1	0.40	29	2.7	0.41	1.30	1.0	85	6	9	LS	2.1	0.01	16	15.6	.	.	.	.	.	<0.50	<0.15	<0.015
0398S01984	Stumble	#497	Bc	11-24	7.2	0.42	27	1.8	0.37	2.40	2.0	83	7	10	LS	2.7	0.01	21	20.6	.	.	.	.	.	<0.50	<0.15	<0.015
0398S01985	Stumble	#497	2Ck	24-44	7.7	1.24	30	0.59	0.15	12.00	20.0	83	6	11	LS	4.5	0.02	33	32.5	.	.	.	.	.	0.5	<0.15	<0.015
N/A	Stumble	#574	A	0-4	8.1	0.37	-	2.58	0.46	0.63	0.5	77	11	12	LS	8.1	-	-	-	-	-	-	-	-	-	-	-
N/A	Stumble	#574	Bk1	4-19	8.7	0.30	-	0.76	3.08	2.09	3.1	80	8	12	LS	4.2	-	-	-	-	-	-	-	-	-	-	-
N/A	Stumble	#574	Bk2	19-26	8.8	0.63	-	2.85	4.58	5.79	4.6	76	11	13	LS	7.4	-	-	-	-	-	-	-	-	-	-	-
N/A	Stumble	#574	Bk3-4	26-46	8.6	1.90	-	1.57	17.50	18.40	17.5	81	8	11	LS	2.9	-	-	-	-	-	-	-	-	-	-	-
0398S04514	Stumble	#579	C1	4-51	7.8	1.10	29	2.2	0.20	7.30	6.7	90	4	6	S	1.2	0.01	13	12.2	.	.	.	.	.	<0.50	<0.15	<0.015
0398S04515	Stumble	#579	C2	51-60	7.6	1.65	22	5.2	0.60	11.00	6.2	96	0	4	S	1.6	0.03	16	14.9	.	.	.	.	.	<0.50	<0.15	<0.015
0398S04529	Stumble	#646	2Ck	29-60	8.3	0.89	26	1.2	0.25	8.30	9.7	82	5	13	SL	6.1	0.03	61	59.9	.	.	.	.	.	0.3	<0.15	<0.015
N/A	Trail							- No Sample Taken -																			
N/A	Tsaya							- No Sample Taken -																			
N/A	Uffens							- No Sample Taken -																			