

Addendum OP-A5-2

Field Data Sheets

Soil Description: Location MULTIPLE Facility west end
 Site No. _____ Date 9/2 Time _____ Vegetation _____
 Elevation _____ Slope _____ Aspect _____ Geomorphic Surface _____
 Parent Material(s) _____ Described by _____

Depth (cm)	Horizon	Color		Structure	Gravel %		Consistence			Texture	pH	Clay films			Boundaries		notes
		moist	dry		Wet	Moist	Dry	v1	n			pf	a	s			
0-6		10YR 3/3		m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po lo lo ss ps vfr so s p fr sh ve vp fl h vll vh eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a o g d	s w i b						
6-19		10YR 4/4		m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po lo lo ss ps vfr so s p fr sh ve vp fl h vll vh eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a o g d	s w i b						
19-30		10YR 4/6		m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po lo lo ss ps vfr so s p fr sh ve vp fl h vll vh eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a o g d	s w i b						
30-33+		10YR 5/6		m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po lo lo ss ps vfr so s p fr sh ve vp fl h vll vh eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a o g d	s w i b						
		-----		m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po lo lo ss ps vfr so s p fr sh ve vp fl h vll vh eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a o g d	s w i b						
		-----		m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po lo lo ss ps vfr so s p fr sh ve vp fl h vll vh eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a o g d	s w i b						

Soil Description: Location MU 1 PIT 29 (see pit 35) EDGE OF SWALE
 Site No. _____ Date 9/5 Time 9:12 Vegetation Dense sage - 20" +
 Elevation _____ Slope 1% Aspect W Geomorphic Surface _____
 Parent Material(s) _____ Described by Lipton

Depth (cm)	Horizon	Color		Structure	Gravel %	Consistence			Texture	pH	Clay films	Boundaries	notes
		moist	dry			Wet	Molst	Dry					
0-6		10YR3.5/3		m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po ss ps s p vs vp	lo lo vfr so fr sh fl h vfl vh eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a o g d s w i b	AM 8" up to 4"	
6-12		4/4		m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po ss ps s p vs vp	lo lo vfr so fr sh fl h vfl vh eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a o g d s w i b	PM-siltstone or finess	
12-18		5/4		m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po ss ps s p vs vp	lo lo vfr so fr sh fl h vfl vh eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a o g d s w i b		
18-24		5/4		m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po ss ps s p vs vp	lo lo vfr so fr sh fl h vfl vh eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a o g d s w i b	ef = sil	
24-30		10YR 5/4 5/3		m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po ss ps s p vs vp	lo lo vfr so fr sh fl h vfl vh eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a o g d s w i b	ef = mod	
				m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po ss ps s p vs vp	lo lo vfr so fr sh fl h vfl vh eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a o g d s w i b		

Soil Description: Location MUL PIT 30

Site No. _____ Date 9/5 Time 9:50 Vegetation Mod sage cover - 15"

Elevation _____ Slope 0-1 Aspect S? Geomorphic Surface - nearly level, gently rolling

Parent Material(s) _____ Described by recording position in landscape

Depth (cm)	Horizon	Color		Structure	Gravel %		Consistence			Texture	pH	Clay films			Boundaries		notes			
		moist	dry		Wet	Moist	Dry	v1	n			pf	a	s						
0-6		10YR 3/3		m eg 1 2 3	vf f m c vo	gr pl pr cpr abk sbk	0 <10 10 25	50 75 >75	so ss s vs	po pa p vp	lo vfr fr fl vfl ell	lo so sh h vh eh	S LS SL SCL L CL	SICL SIL SI SIC C SC	v1 1 2 3 4	n mk co cobr	pf po br co cobr	a o g d	s w i b	shallower to shale than expected
6-12		10YR 4/3		m eg 1 2 3	vf f m c vo	gr pl pr cpr abk sbk	0 <10 10 25	50 75 >75	so ss s vs	po pa p vp	lo vfr fr fl vfl ell	lo so sh h vh eh	S LS SL SCL L CL	SICL SIL SI SIC C SC	v1 1 2 3 4	n mk co cobr	pf po br co cobr	a o g d	s w i b	note - pattern ground litter on surface
12-18	cr	10YR 4/4		m eg 1 2 3	vf f m c vo	gr pl pr cpr abk sbk	0 <10 10 25	50 75 >75	so ss s vs	po pa p vp	lo vfr fr fl vfl ell	lo so sh h vh eh	S LS SL SCL L CL	SICL SIL SI SIC C SC	v1 1 2 3 4	n mk co cobr	pf po br co cobr	a o g d	s w i b	ef = 31 totally undisturbed site
18-24		5YR 3/3		m eg 1 2 3	vf f m c vo	gr pl pr cpr abk sbk	0 <10 10 25	50 75 >75	so ss s vs	po pa p vp	lo vfr fr fl vfl ell	lo so sh h vh eh	S LS SL SCL L CL	SICL SIL SI SIC C SC	v1 1 2 3 4	n mk co cobr	pf po br co cobr	a o g d	s w i b	maroon shale
				m eg 1 2 3	vf f m c vo	gr pl pr cpr abk sbk	0 <10 10 25	50 75 >75	so ss s vs	po pa p vp	lo vfr fr fl vfl ell	lo so sh h vh eh	S LS SL SCL L CL	SICL SIL SI SIC C SC	v1 1 2 3 4	n mk co cobr	pf po br co cobr	a o g d	s w i b	
				m eg 1 2 3	vf f m c vo	gr pl pr cpr abk sbk	0 <10 10 25	50 75 >75	so ss s vs	po pa p vp	lo vfr fr fl vfl ell	lo so sh h vh eh	S LS SL SCL L CL	SICL SIL SI SIC C SC	v1 1 2 3 4	n mk co cobr	pf po br co cobr	a o g d	s w i b	

Soil Description: Location MU1 PIT 31 (see reverse side) white coarces sand at 18"
 Site No. _____ Date _____ Time 10:25 Vegetation _____
 Elevation _____ Slope _____ Aspect SE Geomorphic Surface hilltop
 Parent Material(s) _____ Described by CUPRA

Depth (cm)	Horizon	Color		Structure	Gravel %		Consistence				Texture	pH	Clay films			Boundaries		notes		
		moist	dry		0	>75	Wet	Moist	Dry	1			2	3	4	a	b			
0-6		10YR 4/3		m sg 1 2 3	vf f m c vo	gr pl pr cpr abk sbk	0 <10 10 25	50 75 >75	so ss s vs	po ps p vp	lo vfr fr fl vll eff	lo so sh h vh eh	S LS SL SCL L CL	SICL SIL SI SIC C SC	v1 1 2 3 4	n po br co cobr	pf po br co cobr	a o g d	s w i b	
6-12		10YR 4/4		m sg 1 2 3	vf f m c vo	gr pl pr cpr abk sbk	0 <10 10 25	50 75 >75	so ss s vs	po ps p vp	lo vfr fr fl vll eff	lo so sh h vh eh	S LS SL SCL L CL	SICL SIL SI SIC C SC	v1 1 2 3 4	n po br co cobr	pf po br co cobr	a o g d	s w i b	
12-18		10YR 5/4		m sg 1 2 3	vf f m c vo	gr pl pr cpr abk sbk	0 <10 10 25	50 75 >75	so ss s vs	po ps p vp	lo vfr fr fl vll eff	lo so sh h vh eh	S LS SL SCL L CL	SICL SIL SI SIC C SC	v1 1 2 3 4	n po br co cobr	pf po br co cobr	a o g d	s w i b	
18-36		10YR 6/4		m sg 1 2 3	vf f m c vo	gr pl pr cpr abk sbk	0 <10 10 25	50 75 >75	so ss s vs	po ps p vp	lo vfr fr fl vll eff	lo so sh h vh eh	S LS SL SCL L CL	SICL SIL SI SIC C SC	v1 1 2 3 4	n po br co cobr	pf po br co cobr	a o g d	s w i b	no bedrock noted
				m sg 1 2 3	vf f m c vo	gr pl pr cpr abk sbk	0 <10 10 25	50 75 >75	so ss s vs	po ps p vp	lo vfr fr fl vll eff	lo so sh h vh eh	S LS SL SCL L CL	SICL SIL SI SIC C SC	v1 1 2 3 4	n po br co cobr	pf po br co cobr	a o g d	s w i b	
				m sg 1 2 3	vf f m c vo	gr pl pr cpr abk sbk	0 <10 10 25	50 75 >75	so ss s vs	po ps p vp	lo vfr fr fl vll eff	lo so sh h vh eh	S LS SL SCL L CL	SICL SIL SI SIC C SC	v1 1 2 3 4	n po br co cobr	pf po br co cobr	a o g d	s w i b	

Soil Description: Location MU1 PIT 32 Typical of this mapunit
 Site No. _____ Date 9/5 Time _____ Vegetation _____ See reverse of
 Elevation _____ Slope 19% Aspect SE Geomorphic Surface _____
 Parent Material(s) _____ Described by Cupre Pit 31

Depth (cm)	Horizon	Color		Structure	Gravel %		Consistence			Texture	pH	Clay films			Boundaries		notes			
		moist	dry		0	>75	Wet	Moist	Dry			v1	n	pf	a	s				
	6	10YR	3/3	m eg 1 2 3	vf f m c vo	gr pl pr cpr abk sbk	0 <10 10 25	50 75 >75	so ss s vs	po ps p vp	lo vfr fr fl vfl ell	lo so sh h vh eh	S LS SL SCL L CL	SICL SIL SI SIC C SC	v1 1 2 3 4	n po mk br co cobr	pf po br co cobr	a o g d	s w i b	Φ
	12	10YR	4/4	m eg 1 2 3	vf f m c vo	gr pl pr cpr abk sbk	0 <10 10 25	50 75 >75	so ss s vs	po ps p vp	lo vfr fr fl vfl ell	lo so sh h vh eh	S LS SL SCL L CL	SICL SIL SI SIC C SC	v1 1 2 3 4	n po mk br co cobr	pf po br co cobr	a o g d	s w i b	Φ
	18	10YR	4/4	m eg 1 2 3	vf f m c vo	gr pl pr cpr abk sbk	0 <10 10 25	50 75 >75	so ss s vs	po ps p vp	lo vfr fr fl vfl ell	lo so sh h vh eh	S LS SL SCL L CL	SICL SIL SI SIC C SC	v1 1 2 3 4	n po mk br co cobr	pf po br co cobr	a o g d	s w i b	Φ
	24	10YR	4/4	m eg 1 2 3	vf f m c vo	gr pl pr cpr abk sbk	0 <10 10 25	50 75 >75	so ss s vs	po ps p vp	lo vfr fr fl vfl ell	lo so sh h vh eh	S LS SL SCL L CL	SICL SIL SI SIC C SC	v1 1 2 3 4	n po mk br co cobr	pf po br co cobr	a o g d	s w i b	Φ
	30	10YR	5/4	m eg 1 2 3	vf f m c vo	gr pl pr cpr abk sbk	0 <10 10 25	50 75 >75	so ss s vs	po ps p vp	lo vfr fr fl vfl ell	lo so sh h vh eh	S LS SL SCL L CL	SICL SIL SI SIC C SC	v1 1 2 3 4	n po mk br co cobr	pf po br co cobr	a o g d	s w i b	SICL - shale med coarse sand day loam
	36	10YR	5/4	m eg 1 2 3	vf f m c vo	gr pl pr cpr abk sbk	0 <10 10 25	50 75 >75	so ss s vs	po ps p vp	lo vfr fr fl vfl ell	lo so sh h vh eh	S LS SL SCL L CL	SICL SIL SI SIC C SC	v1 1 2 3 4	n po mk br co cobr	pf po br co cobr	a o g d	s w i b	
				m eg 1 2 3	vf f m c vo	gr pl pr cpr abk sbk	0 <10 10 25	50 75 >75	so ss s vs	po ps p vp	lo vfr fr fl vfl ell	lo so sh h vh eh	S LS SL SCL L CL	SICL SIL SI SIC C SC	v1 1 2 3 4	n po mk br co cobr	pf po br co cobr	a o g d	s w i b	
				m eg 1 2 3	vf f m c vo	gr pl pr cpr abk sbk	0 <10 10 25	50 75 >75	so ss s vs	po ps p vp	lo vfr fr fl vfl ell	lo so sh h vh eh	S LS SL SCL L CL	SICL SIL SI SIC C SC	v1 1 2 3 4	n po mk br co cobr	pf po br co cobr	a o g d	s w i b	

Soil Description: Location Mul Pit 33 SEE ~~FOR~~SE notes below
 Site No. _____ Date 9/5 Time 10:50 Vegetation mod sage cover
 Elevation _____ Slope 3% Aspect SE Geomorphic Surface _____
 Parent Material(s) _____ Described by Cipra

Depth (cm)	Horizon	Color		Structure	Gravel %		Consistence			Texture	pH	Clay films			Bound-aries		notes
		moist	dry		Wet	Moist	Dry	v1	n			pf	a	s			
6		10YR 3/3		m vf gr sg f pl 1 m pr 2 o cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po lo lo ss ps vfr so s p fr sh ve vp fl h vfl vh eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a o g d	s w i b					0	
12		10YR 4/4		m vf gr sg f pl 1 m pr 2 o cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po lo lo ss ps vfr so s p fr sh ve vp fl h vfl vh eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a o g d	s w i b					0	
18		10YR 4/4		m vf gr sg f pl 1 m pr 2 o cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po lo lo ss ps vfr so s p fr sh ve vp fl h vfl vh eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a o g d	s w i b					0	
24		7.5 or 10YR 5/3		m vf gr sg f pl 1 m pr 2 o cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po lo lo ss ps vfr so s p fr sh ve vp fl h vfl vh eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a o g d	s w i b					5/3	
30		10YR 5/3		m vf gr sg f pl 1 m pr 2 o cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po lo lo ss ps vfr so s p fr sh ve vp fl h vfl vh eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a o g d	s w i b					5/3	
36		10YR 6/3 (7/3)		m vf gr sg f pl 1 m pr 2 o cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po lo lo ss ps vfr so s p fr sh ve vp fl h vfl vh eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a o g d	s w i b					✓	

Soil Description: Location MUL PIT 35 Desc to 24" soil is likely 60"
 Site No. _____ Date 9/5 Time 9:35 Vegetation _____
 Elevation _____ Slope _____ Aspect _____ Geomorphic Surface _____
 Parent Material(s) _____ Described by _____

Depth (cm)	Horizon	Color		Structure	Gravel %		Consistence			Texture	pH	Clay films			Boundaries		notes
		moist	dry		Wet	Moist	Dry	v1	n			pf	a	s			
0-6		10YR 3/3		m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po lo lo ss ps vfr so s p fr sh va vp fl h vll vh eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a o g d	s w i b	typical swale Deep					
6-12		10YR 3/4 ^{8/2}		m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po lo lo ss ps vfr so s p fr sh va vp fl h vll vh eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a o g d	s w i b	mod texture dark					
12-18		10YR 4/3 ^{4/4}		m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po lo lo ss ps vfr so s p fr sh va vp fl h vll vh eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a o g d	s w i b						
18-24		10YR 4/4		m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po lo lo ss ps vfr so s p fr sh va vp fl h vll vh eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a o g d	s w i b						
		-----		m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po lo lo ss ps vfr so s p fr sh va vp fl h vll vh eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a o g d	s w i b						
		-----		m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po lo lo ss ps vfr so s p fr sh va vp fl h vll vh eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a o g d	s w i b						

Soil Description: Location MU1PR33 photos 100 - 1877
 Site No. _____ Date 9/9/08 Time 2:50 Vegetation open, sparse grasses
 Elevation _____ Slope 2% Aspect S Geomorphic Surface side slope
 Parent Material(s) _____ Described by JC

Depth (cm)	Horizon	Color		Structure	Gravel %		Consistence				Texture Lom	pH	Clay films			Boundaries		notes
		moist	dry		W	C	pl	Wet	Moist	Dry			Clay films	Boundaries				
0-6	<u>A1</u>	7.5 YR 4/3		m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk	0 60 <10 75 10 >75 25	so po lo lo ss ps vfr so s p fr sh ve vp fl h eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a a o o g g d d	s s w w i i b b	Very hard heavily massive Bz EF = 0 lower						
6-12	<u>Bt</u>	7.5 YR 4/4		m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk	0 60 <10 75 10 >75 25	so po lo lo ss ps vfr so s p fr sh ve vp fl h eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a a o o g g d d	s s w w i i b b	EF = 0 lower						
12-25		10 YR 5/4		m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk	0 60 <10 75 10 >75 25	so po lo lo ss ps vfr so s p fr sh ve vp fl h eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a a o o g g d d	s s w w i i b b	upper boundary @ 10-14" Conc Sndy Lom (COSL) EF = 0						
25-33		10 YR 5/4		m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk	0 60 <10 75 10 >75 25	so po lo lo ss ps vfr so s p fr sh ve vp fl h eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a a o o g g d d	s s w w i i b b	EF = 0						
33-60	<u>Cr</u>	10 YR 7/3		m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk	0 60 <10 75 10 >75 25	so po lo lo ss ps vfr so s p fr sh ve vp fl h eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a a o o g g d d	s s w w i i b b	highly fractured shale upper EF = V lower EF = 5/8 t calcareous shale						
		-----		m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk	0 60 <10 75 10 >75 25	so po lo lo ss ps vfr so s p fr sh ve vp fl h eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a a o o g g d d	s s w w i i b b							
		-----		m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk	0 60 <10 75 10 >75 25	so po lo lo ss ps vfr so s p fr sh ve vp fl h eff eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a a o o g g d d	s s w w i i b b							

notes for 0-6
somewhat massive
10-14"

upper boundary
@ 10-14"
Conc Sndy Lom
(COSL)
EF = 0

highly fractured shale
upper EF = V
lower EF = 5/8 t
calcareous shale

Soil Description: Location MU 1 PR 35 pils 100-1875 4

Site No. _____ Date 9/9/08 Time 11:20 Vegetation 14 - drainage: safe 11 6

Elevation _____ Slope 1% Aspect S Geomorphic Surface position edge of partly defined drainage

Parent Material(s) _____ Described by IC Broad swale drainage

Depth (cm)	Horizon	Color		Structure	Gravel %		Consistence			Texture	pH	Clay films			Boundaries		notes			
		moist	dry		0	50	Wet	Moist	Dry			v1	n	pf	a	s				
0-4		10YR 3/2		m eg 1 2 3	vf f m c vo	gr pl pr cpr abk abk	0 <10 10 25	50 75 >75	so ss s vs	po ps p vp	lo vfr fr fl vfl eff	lo so sh h vh eh	S LS SL SCL L CL	SICL SIL SI SIC C SC	v1 1 2 3 4	n po br co cobr	pf po br co cobr	a o g d	s w i b	1/2" of sulfate
4-8		10 YR 3/3		m eg 1 2 3	vf f m c vo	gr pl pr cpr abk abk	0 <10 10 25	50 75 >75	so ss s vs	po ps p vp	lo vfr fr fl vfl eff	lo so sh h vh eh	S LS SL SCL L CL	SICL SIL SI SIC C SC	v1 1 2 3 4	n po br co cobr	pf po br co cobr	a o g d	s w i b	
8-12		10 YR 4/3		m eg 1 2 3	vf f m c vo	gr pl pr cpr abk abk	0 <10 10 25	50 75 >75	so ss s vs	po ps p vp	lo vfr fr fl vfl eff	lo so sh h vh eh	S LS SL SCL L CL	SICL SIL SI SIC C SC	v1 1 2 3 4	n po br co cobr	pf po br co cobr	a o g d	s w i b	Heavy loam
12-18		10 YR 4/4		m eg 1 2 3	vf f m c vo	gr pl pr cpr abk abk	0 <10 10 25	50 75 >75	so ss s vs	po ps p vp	lo vfr fr fl vfl eff	lo so sh h vh eh	S LS SL SCL L CL	SICL SIL SI SIC C SC	v1 1 2 3 4	n po br co cobr	pf po br co cobr	a o g d	s w i b	Heavy loam
18-34		10 YR 4/4		m eg 1 2 3	vf f m c vo	gr pl pr cpr abk abk	0 <10 10 25	50 75 >75	so ss s vs	po ps p vp	lo vfr fr fl vfl eff	lo so sh h vh eh	S LS SL SCL L CL	SICL SIL SI SIC C SC	v1 1 2 3 4	n po br co cobr	pf po br co cobr	a o g d	s w i b	
34-48		10 YR 4/3		m eg 1 2 3	vf f m c vo	gr pl pr cpr abk abk	0 <10 10 25	50 75 >75	so ss s vs	po ps p vp	lo vfr fr fl vfl eff	lo so sh h vh eh	S LS SL SCL L CL	SICL SIL SI SIC C SC	v1 1 2 3 4	n po br co cobr	pf po br co cobr	a o g d	s w i b	

11/2/11

Location MU 1 PR35
 Date 9/1/08 Time 11:20 Vegetation 17-drumstick: sage
 Elevation _____ Slope 17% Aspect S Geomorphic Surface edge of partly defined drainage
 Parent Material(s) _____ Described by JC

Depth (cm)	Horizon	Color		Structure	Gravel %		Consistence			Texture	pH	Clay films			Boundaries		notes
		moist	dry		Wet	Moist	Dry	v1	n			pf	a	s			
48-60	C			m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po ss pa s p vs vp	lo vfr fr fl vfl eff	lo so sh h vh eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a s o w g l d b		Structure massive-structureless visible filaments of humic EF = V			
				m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po ss pa s p vs vp	lo vfr fr fl vfl eff	lo so sh h vh eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a s o w g l d b					
				m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po ss pa s p vs vp	lo vfr fr fl vfl eff	lo so sh h vh eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a s o w g l d b					
				m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po ss pa s p vs vp	lo vfr fr fl vfl eff	lo so sh h vh eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a s o w g l d b					
				m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po ss pa s p vs vp	lo vfr fr fl vfl eff	lo so sh h vh eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a s o w g l d b					
				m vf gr sg f pl 1 m pr 2 c cpr 3 vo abk sbk	0 50 <10 75 10 >75 25	so po ss pa s p vs vp	lo vfr fr fl vfl eff	lo so sh h vh eh	S SICL LS SIL SL SI SCL SIC L C CL SC		v1 n pf 1 po 2 mk br 3 co 4 k cobr	a s o w g l d b					

10 YR 5/3
 9/18 - Don't ship JC