

Crescent City, Ten Mile, Point Arena, Bodega, Point Reyes Dune Sheets, California

UTM Sector and Datum (xx/yr), Northing, Easting, Estimated Error (EPE +-m), DEM Altitude (Alt m MSL).

Exposure Type: Active (AC), Trench (TR), Auger (AU), Road Cut (RC), Creek Cut (CC), Sea Cliff (SC), Slope (SL).

Units: Age: Tertiary (T), Pleistocene (P), Holocene (H), Wave-cut Platform (W); Parent Material; Soil Horizon

Parent Material: Eolian Dune (D), Loess (L), Colluvium (U), Peat (P), Alluvial/Fluvial (V), Lagoonal/Estuary (N),

Beach Shoreface (S), Basal Conglomerate (M).

Note: Loess (L) is designated where it overlies bedrock, colluvium, or pre-existing Bw/Bt horizons.

Soil Horizon: Organic (A), Leached (E), Accumulation (B), Fe+3 Accumulation (Bw),

Incipient Clay Accumulation (Btj), Clay Accumulation (Bt), Humate Accumulation (Bs),

Humate Cementation (Bh), Calcrete (Bk), Silcrete (Bq), Reduced Glade Layer (Bg), Subsoil Calcrete (K),

Dune Parent (C), Oxidized Parent (Cox).

Subsurface depth (cm); Dominant Grain Size: Silt, Sand, Pebbles, Cobbles (default is sand)

Sand sizes (Coarse U/L, Medium U/L, Fine U/L, Very Fine U/L)

Bedding: Cross Beds (XB, dipxx), Planar Beds (PB), Fluidization (FL), Heavy Mineral Laminae (HM)

Munsell Maximum Color (field condition: moist)

Penetrometer: (P. kg/square cm) unconfined compressive strength.

Structure: loose, very weak blocky, weak blocky, strong blocky, columnar/prismatic.

Diagenesis: Fe-ortstein, Fe-humate, allophane, gibbsite, calcrete, silcrete

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
CRES10	10N/83	4638000	401000	10	10	7/4/02	AU

Site Notes: Very recently stabilized Holocene dunes, patchy vegetation.

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
HDA	0-10						
HDC	10-200	MU				0.5 Loose	

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
CRES1	N10/83	4632650	403340	10	20	12/18/01	RC

Site Notes: Site is on Lake Earle Drive.

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
V	0-100	CU					

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
CRES2	N10/83	4628910	405550	10	45	12/18/01	RC

Site Notes: Site is on Elk Creek Valley Road and appears to be alluvium over cobbles over terrace.

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
PU	0-100						
PV	100-150	Cobbles					
T	150-151						

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
CRES3	N10/83	4628880	402910	4	9	12/18/01	RC

Site Notes: This site is on Lake Earl Drive, and represents a Pleistocene fluvial? terrace.

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
PV	0-100	CU	Sm. cross-sets				

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
CRES3	N10/83	4627910	398350	8	17	12/18/01	AC

Site Notes: This site is in parabolic dunes (NW-SE) at end of Old Mill Road.

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
HDC	0-500						

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
CRES5	N10/83	4627720	399180	13	9	12/18/01	RC

Site Notes: This site is near the easternmost of the Crescent City Holocene dune sheet.

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
HDA	0-10						
HDC	10-800	FU					

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
CRES6	N10/83	4627270	405170		31	12/18/01	RC

Site Notes: Site is on Elk Valley Road.

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
T							

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
CRES7	N10/83	4626680	395890		12	12/18/01	SL

Site Notes: Site is at Pt. St. George just north of the Light House.

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
HDA	0-20	Shells					
HDCox	20-40						
PDBw	40-70			7.5YR3/3			
PDCox	70-200						
PDBg	200-220						
PDCox	220-300						
PDBg	300-375						
PDCox	375-500						
Cover	500-700						
PW	700-701						

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
CRES8	N10/83	4626400	400430	15	10	12/18/01	RC

Site Notes: This site is on Lake Earl Drive. Possible reworking of fluvial deposits into local dunes.

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
PDBw	0-40			7.5YR4/6		4	
PDCox	40-80					3.75	
PV	80-100						

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
CRES9	N10/83	4625050	404090		6	15	12/18/01 RC

Site Notes: Site is a roadcut on west side of road in front of yellow house. House is built on remnant terrace.

This is easternmost extent of Pleistocene dune or eolian reworked alluvial plain deposits. No dune cross-bedding.

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
PDBw	0-40		Truncated	2.5YR4/3		3	Very Weak B.
PDCox	40-130		PB			3	Very Weak B.
PDBh	130-140					3.75	Very Weak B.
PD/VCox	140-200		PB	2.5Y4/4		2.75	Very Weak B.
PDBg	200-230					4	
PD/VCox	230-300					4.5	

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
CRES10	N10/83	4624620	403920		6	14	12/18/01 RC
Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
PUBtj	0-50						
T	50-100						