

Crook Point Dune Sheet and Indian Sands Dune Ramp, Oregon

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 (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
CRO01	N10/83	4679500	384650	10	67	12/16/01	AC
Site Notes: This site is located west of HW1 in partially active dunes.							
Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
HD	0-100	FU				Loose	

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
CRO02	N10/83	4678830	384840	8	83	12/16/01	RC
Site Notes: Site is on US101 roadcut.							
Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
HDA	0-20					1 Loose	
HDC	20-520			5y4/2		0.5 Loose	
HDA	520-530					0.5 Loose	
HDC	530-650						

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
CRO03	N10/83	4678710	384730	10	71	12/16/01	SL
Site Notes: This is located west of HW 1 on a ridge, covered by shorepine, grass.							
Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
HD	1-100					Loose	

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
ISAN	N10/83	4668150	387330	9	60	12/17/01	SL

Site Notes: Site is located in a small complex of Pleistocene parabolic dunes that ramp a steep slope below US101.

This section is measured from a blow out, trending NE that exposed the Pleistocene dune strata.

An early Holocene midden is locally developed on the latest-Pleistocene dune deflation surface

located about 50 m west of this profile site (Moss and Erlandson, 1999; Davis, 2004).

The midden surface can be traced upslope to the PDBtj horizon (150-235 cm in this profile).

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
UA	0-85	Silt					
UBw	85-125	Silt				3.5	
LBw	125-150	Silt					
PDBtj	150-235	FU				4	
PDCox	235-375		XBdipNE			2.5	
PDBw	375-435					2.5	

PDCox	435-495	FU	2.5
PDBw	495-530		
PDCox	530-610	ML	3
PD	610-2610		