

Netarts Dune Sheet, 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, VeryFine U/L)

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

Munsell Maximum Color (moist): lowest value and highest chroma.

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
MANZ1	N10/83	5064360	426900		5	15 7/8/01	RC

Site Notes: Site is on the western side of Mazanita dune sheet (modern foredune).

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
HD	0-200	FU		2.5Y8/4		0 Loose	

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
MANZ2	N10/83	5063680	427790		6	48 7/8/01	RC

Site Notes: Site is on eastern side of US101, immediately north of Neahkanani Lake.

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
HDA	0-10						
HDBw	10-25	FU		2.5Y7/4		0.5 Loose	
HDCox	25-425	FU	XBdipNE				

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
MANZ3	N10/83	5063650	426730		7	10 7/8/01	SL

Site Notes: This site is on the east side of the Beach Road at the north end of Manzanita.

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
HDA	0-20						
HDBw	20-35			7.5YR5/6		1.5 Loose	
HDCox	35-175	FU					

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
MANZ4	N10/83	5063000	427390		7	27 7/8/01	RC

Site Notes: South end of Manzanita

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
HD	0-300						

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
NETA1	10N/83	5034130	424850		6	110 9/9/02	RC

Site Notes: This site is on the NE terminus of the dune sheet above Oceanside.

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
LBw	0-10						
PDBw	10-50			7.5YR6/8		3.75 Strong Blocky	
PDCox	50-150	FU					

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
NETA2	10N/83	5033700	425120		10	122	9/9/02 RC
Site Notes: This site is at the end of Highland Drive, about 100 m SW of water tank.							
Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
Lbw	0-20					2	
PDBw	20-40			7.5YR5/6		4 Strong Blocky	
PDCox	40-150	FU		2.5Y6/4		2.5 Weak Blocky	
Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
NETA3	10N/83	5033430	424930		7	86	9/9/02 RC
Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
HDBw	0-30			10YR6/6		2 Weak Blocky	
HDCox	30-150	FU				1.5 Very-Weak B.	
Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
NETA4	10N/83	5033240	425100		14	73	7/13/01 RC
Site Notes: Site is located on east side of Capes Road (TL sample taken at 1.5 m depth).							
Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
HDA	0-4						
HDBw	4-40	FU		10YR6/8		3 Very Weak B.	
HDCox	40-180	FU		2.5Y6/4		2.5 Very Weak B.	
HDC	180-200	FU				2.5 Very Weak B.	
Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
NETA5	10N/83	5033200	425070		10	64	9/9/02 RC
Site Notes: West side of Capes Road.							
Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
HDA	0-10						
HDCox	10-300	FU					
Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
NETA6	10N/83	5033180	424760		8	49	3/9/03 SL
Site Notes: This site is in the headwall of the Capes slope failure (RC sample at 300 cm depth in profile).							
Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
HDC	0-300	FU		2.5YR7/3		0 Loose	
HDBw	300-330					0.5 Very Weak B.	
HDCox	330-350	FU				0.5 Very Weak B.	
HDBw	350-360			7.5YR6/6		0.75 Very Weak B.	
HDC	360-400					Loose	
Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
NETA7	10N/83	5033080	424830		10	56	3/9/03 RC
Site Notes: This site is on Capes Drive and represents the undisturbed topsoil on the Holocene dune ramp.							
Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
HD	0-10						
HDA	10-20					1 Very Weak B.	
HDBw	20-50			7.5YR4/3		2.5 Very Weak B.	
HDCox	50-150	FU				1.5 Very Weak B.	
HD	150-200			2.5YR7/4			
Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
NETA8	10N/83	5032350	425450		7	26	7/13/01 RC
Site Notes: Road cut on east side of Capes Road above Happy Camp.							
Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis

HDA
HDCox

0-5
5-500

Loose
0.5 Loose

