

Cabo Falso Dune Sheet, BajaCalifornia Sur, Mexico

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 (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
CBFO1	N12/1983	2531690	605700		4	40	12/12/00 Ac

Site Notes: Site is in NE edge of dune field (TL Sample at 2 m depth).
Elevation estimated from GPS and 50 m contour map.

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm^2	Structure	Diagenesis
Disturbed	0-20	ML		10yr5/6			Bioturbation
HDPBw	20-80	ML		10yr5/4		4 Weak Blocky	
HDCox	80-150	MU		10yr6/6			

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
CBFO2	N12/1983	2531290	607380		4	60	12/12/00 AU

Site Notes: Site is in middle of old (stabilized) dune ridges (TL Sample at 150 cm depth).
Elevation estimated from GPS and 50 m contour map.

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm^2	Structure	Diagenesis
Disturbed	0-20					Loose	
HDBw	30-80	MU		10yr7/6		1.5 Very Weak B.	
HDCox	80-150	MU				Very Weak B.	

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
CBFO3	N12/1983	2530560	606570		3	120	12/12/00 RC

Site Notes: Site is in recently stabilized dunes, immediate northeast side of currently active dunes.
Elevation estimated from GPS and 50 m contour map.

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm^2	Structure	Diagenesis
HDBw	0-20					0.5 Loose	
HDCox	20-60	FU		10yr5/3		0.5 Loose	

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
CBFO4	N12/1983	2530460	606560		3	140	12/12/00 Ac

Site Notes: Landwardmost active dunes (SE side of dunes) on light house headland.
Elevation estimated from GPS and 50 m contour map.

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm^2	Structure	Diagenesis
HDC		ML		10yr7/6		0 Loose	

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
CBFO5	N12/1983	2530430	605560		3	50	12/12/00 Ac

Site Notes: Site is in middle of active dunes. Elevation estimated from GPS and 50 m contour map.

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
HDC	0-50	ML				0 Loose	

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
CBFO6	N12/1983	2530180	605490		10	5	12/12/00 Ac

Site Notes: Site is at modern beach backshore. Elevation estimated from observed tide level.

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm ²	Structure	Diagenesis
HS	0-100	CL				0 Loose	