

readme.txt

ArcGIS .asc DEM grids from 2011 Elkhorn Slough combined bathymetric/topographic survey  
Conducted by CSUMB Seafloor Mapping Lab

Survey Date	Vessel	Location	Topo	Bathy
110605	KelpFly	Moss Landing Harbor		x
110918	KelpFly	Main Channel		x
110919	KelpFly	Main Channel		x
110920	KelpFly	Main Channel		x
110921	KelpFly	East of RR		x
110922	KelpFly	East of RR		x
110927	KelpFly	Main Channel		x
110927	KelpFly	Main Channel	X	X
110928	KelpFly	East of RR	x	x
110928	KelpFly	East of RR	x	x
110929	ATV	East of RR	x	
111026	Ventresca	Main Channel	x	
111223	KelpFly	Main Channel		x
111223	Ventresca	Main Channel	x	

Coordinates: NAD83(CORS96 epoch 2002) UTM north zone 10, NAVD88(Geoid09)

Survey Reference station for vertical & horizontal control: P210 PID= DI7526  
Website: <http://www.ngs.noaa.gov/cgi-bin/cors/corsage.prl?site=P210>  
published NAD83 coordinates HAE

NAD_83 (CORS96) POSITION (EPOCH 2002.0)			
Transformed from ITRF00 (epoch 1997.0) position in Jun. 2007.			
X =	-2688757.935 m	latitude =	36 48 58.07387 N
Y =	-4348066.144 m	longitude =	121 43 54.57086 W
Z =	3801079.513 m	ellipsoid height =	3.596 m

Elkhorn Slough main channel, South Marsh & Parsons Slough east of the rail road tracks

Bathy data was cleaned by Mary Young and combined in PFM with uncleaned Laser Topo data for cleaning  
by Corina Marks

main channel north of Kirby park = ES2011\_N\_Kirby\_KF\_Laser4Cleaning.pfm  
main channel Moss Landing - Parsons slough mouth =

ES\_111026-111223\_Laser4Cleaning\_corina.pfm

East of rail road North end = ES2011\_ERR\_bathytopo4CleaningCorina.pfm

and Steve Quan

main channel Parsons Slough mouth - Kirby Park =

ES\_111026-111223\_Laser4Cleaning\_Steve.pfm

east of rail road South end = ES2011\_ERR\_bathytopo4CleaningSteven.pfm.

DEM .asc grids created in IVS DMagic from gridded .SD files derived from cleaned soundings data sets.

ES2011all\_1m.asc

entire survey area gridded at 1m (main channel & east of rail road tracks)

ES2011\_ML-PS\_50cm.asc

main channel only, Moss Landing Harbor - Parsons Slough mouth gridded at 50 cm

ES2011\_PS-HL\_50cm.asc

Main channel only, Parsons Slough mouth - Hudsons Landing gridded at 50 cm

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ERR2011\_50cm.asc

entire east of rail road track area gridded at 50 cm