

readme.txt

XYZ data (soundings & gridded) from 2011 Elkhorn Slough combined bathymetric/topographic survey
Conducted by CSUMB Seafloor Mapping Lab

Survey Date	Vessel	Location	Topo	Bathy
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.

Soundings folder: contains combined bathy/topo xyz point data files exported from PFM files cleaned in IVS Fledermaus

Data east of rail road tracks (subdivided into north and south sections)

ERRN_bathytopo_soundings_2011.xyz

combined sonar bathymetry and laser topography data east

and north of rail road tracks for south marsh exported from

ES2011_ERR_bathytopo4CleaningCorina.pfm

ERRS_bathytopo_soundings_2011.xyz

combined sonar bathymetry and laser topography data east

and north of rail road tracks for parsons slough exported from

ES2011_ERR_bathytopo4CleaningSteven.pfm

Data from Elkhorn Slough Main Channel (subdivided into three sections along length of channel)

readme.txt
 ES_ML-PS_bathytopo_2011xyz.csv
 combined sonar bathymetry and laser topography data from
 Moss Landing Harbor (bathy only) to mouth of Parsons Slough exported from
 ES_111026-111223_Laser4cleaning_corina.pfm
 ES_PS-KP_bathytopo_2011xyz.csv
 combined sonar bathymetry and laser topography data from
 mouth of Parsons Slough to Kirby Park exported from
 ES_111026-111223_Laser4cleaning_Steve.pfm
 ES_KP-HL_bathytopo_2011xyz.csv
 combined sonar bathymetry and laser topography data from
 Kirby Park to Hudsons Landing exported from ES2011_N_Kirby_KF_Laser4Cleaning.pfm
 cleaned by Corina Marks

Gridded folder: contains gridded point data derived from bathy/topo sounding data
 files listed above gridded in IVS DMagic at 0.5 and 1.0 meter spacings with no
 interpolation (i.e. weight diameter = 1).

Gridded Data for entire project areas (Main channel & east of rail road
 tracks)

ES2011_allBathyTopo_1x1m.xyz
 Gridded Data east of rail road tracks only
 ERRall_bathytopo_1m.xyz
 ERRall_bathytopo_50cmx1m.xyz

Gridded Data for Elkhorn Slough Main Channel only
 ES_ML-PS_bathytopo_50cmx1m.xyz (Moss Landing Harbor to Parsons
 Slough mouth)
 ES_PS-HL_bathytopo_50cmx1m.xyz (Parsons Slough mouth to Hudsons
 Landing)