

Integral profiles for South Padre Island, Texas

Integral consulting inc. distribution

Data

With the exception of the 2021 survey, all profile data were obtained from the City of South Padre Island Data Archive and the Texas General Land Office. The 2021 survey was subcontracted to T. Baker Smith by Integral as part of this project. There is no data for the beach at profile CBI-22 in June 2021 due lack of access because of the active nourishment that was taking place at the time of the survey.

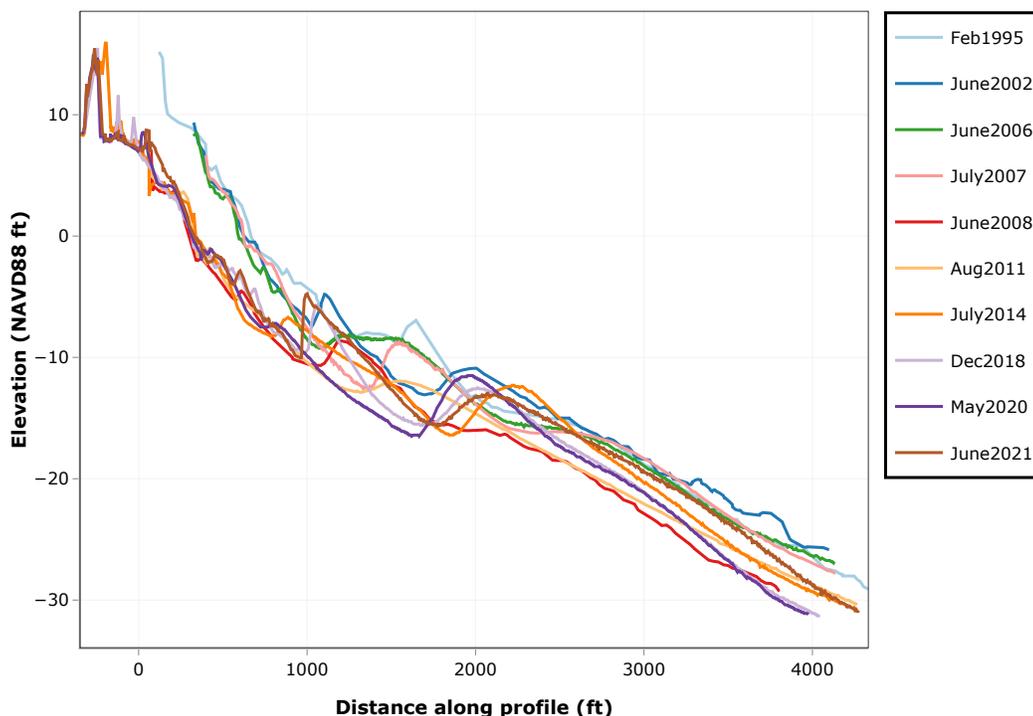
Data are in NAVD88 feet; State Plane (HARN), NAD-83, Texas South, US Feet.

The operational mean high water datum of 0.34 feet used to determine boundary between the profile volumes offshore and onshore was chosen based on a USGS standard for the region that includes South Padre Island (<https://pubs.er.usgs.gov/publication/ofr20051027> (<https://pubs.er.usgs.gov/publication/ofr20051027>)).

Example Interactive Figure

Below is a sample interactive plot of a coastal profile. Plots for all CBI surveys can be found in the subsequent section. Some features for these interactive plots:

- Double click on a legend item to isolate a survey line. Then single click additional legend items to view a selected set of surveys. To view all surveys again, double click anywhere in the legend
- View data values when cursor is hovered over a line or data point.
- Click and drag a rectangle to define a plot area for zooming. Click the "Home" icon to zoom out to the plot's original view.
- Use the toolbar on the upper right of the plot to download an image, zoom in and out, and reset the image to initial view. Additional explanations of the toolbar options can be found here (<https://plotly.com/chart-studio-help/getting-to-know-the-plotly-modebar/>).

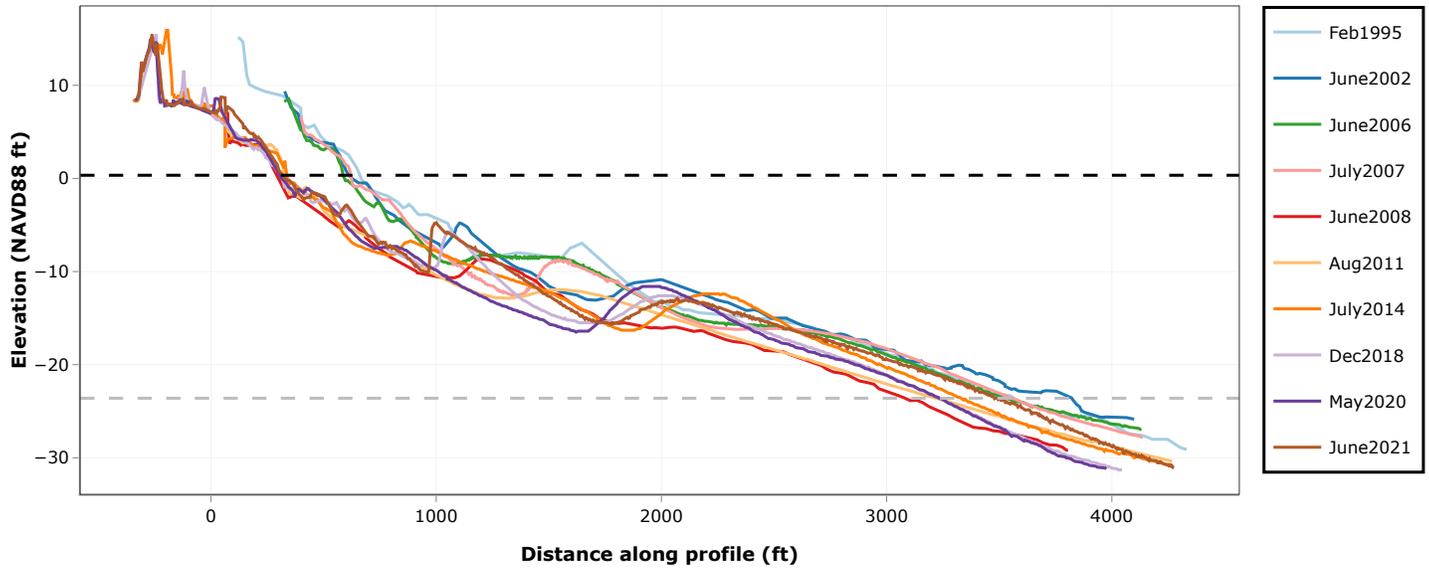


CBI Surveys 1-25

- Black dotted line represents the operational Mean High Water Mark (0.34 feet)
- Gray dotted line represents the cut-off value for lower volume (-23.6 feet)

CBI-1	CBI-2	CBI-3	CBI-4	CBI-5	CBI-6	CBI-7	CBI-8	CBI-9	CBI-10	CBI-11	CBI-12
CBI-13	CBI-14	CBI-15	CBI-16	CBI-17	CBI-18	CBI-19	CBI-20	CBI-21	CBI-22	CBI-23	
CBI-24	CBI-25										

CBI-1



Site Map

