



NOAA's Continually Updated Shoreline Product

NOAA's National Geodetic Survey (NGS)

has developed an ambitious project—the Continually Updated Shoreline Product (CUSP)—**to provide the most current shoreline representation** of the United States and its territories.

Why a new continuous shoreline?

At least 15 federal agencies, most coastal state and local organizations, as well as academic institutions and private companies are **consumers of coastal mapping data**. Shoreline data assists decision makers in developing coastal community plans, managing resources, mitigating hazard events, conducting environmental analyses, and more.

Goal for CUSP

Shoreline is a dynamic interface between land and water. Over the years, several continuous shorelines have been developed, but many may not have been maintained and, therefore, no longer adequately represent changes to the land-water interface. **CUSP has been designed to deliver continuous shoreline with frequent updates.**

CUSP will identify surveys for inclusion, **employ state-of-the-art technology** for cartographic review and validation, **attribute shoreline features**, and develop a strategy to delineate shoreline as it becomes available. Where applicable, CUSP will reference a mean-high water shoreline based on vertical modeling or image interpretation using both water level stations and/or shoreline indicators.



Data Sources for CUSP

CUSP is built upon NGS National Shoreline data and uses **both NOAA and non-NOAA contemporary sources** to replace older vintage shoreline areas. These data sources—coupled with NOAA tools (such as VDatum) and outside-sourced data sets which meet NOAA standards—contribute to the creation of a continually updated shoreline.

NOAA is **exploring additional data sources** for CUSP. Shoreline providers who wish to contribute their data to CUSP are encouraged to contact us.

For more information, contact NGS:

- **On the Web**
geodesy.noaa.gov/CUSP
- **By email**
ngs.shoreline@noaa.gov