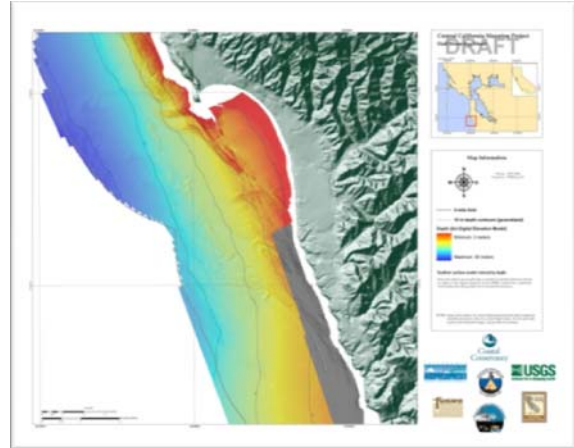


Exhibit 1. CA Seafloor Mapping Program 10-Map Folio Series

Shaded Bathymetric Relief

Fine-scale seafloor geomorphology is revealed in both gray-scale and color-coded shaded relief digital elevation models created from multibeam sonar bathymetry data. The gray scale map is used to take advantage of the human eye's ability to discern finer detail in black and white versus color imagery while the color-coded map reveals detailed depth information.

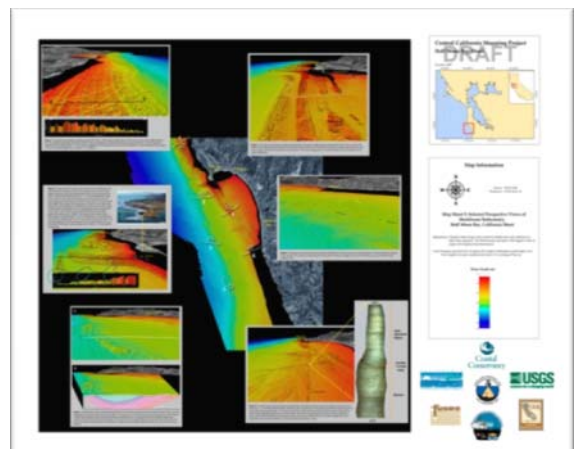


Acoustic Backscatter

Gray-scale backscatter maps show the intensity of an acoustic pulse reflected and scattered off the seafloor. These data aid in the seafloor character, geology, and habitat interpretations because the signal is partially influenced by the composition and roughness of the seafloor.

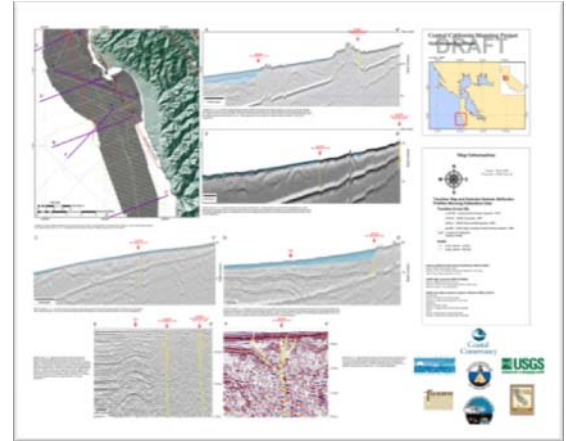
Data Integration and Visualization

Perspective views, bathymetric profiles, and block diagrams that merge the bathymetry data with seismic profiles display information and relationships that are not apparent in 2-D map views alone.



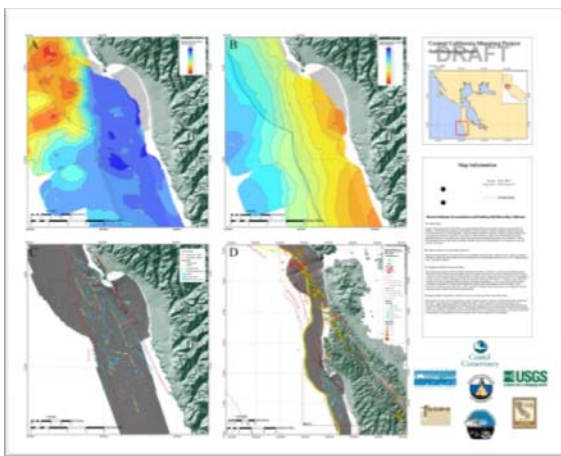
Seismic Profiles

Subbottom seismic profiles illustrate key aspects of the geologic framework, stratigraphy, and tectonics of the mapped area. These data are used for the habitat, geologic, and isopach interpretations.



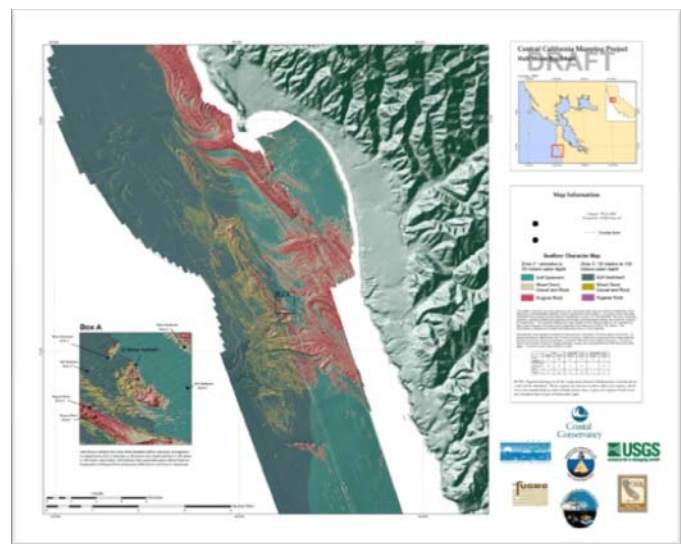
Isopach and Depth to Basement

The isopach map depicts the thickness of unconsolidated sediment of probable Holocene age beneath the seafloor. Thicknesses are based on interpretation of high-resolution, seismic reflection profiles. These maps show the depth to the base of the unconsolidated sediment layer, determined from seismic reflection profiles, by adding the water depth to the thickness of the unconsolidated sediment layer.



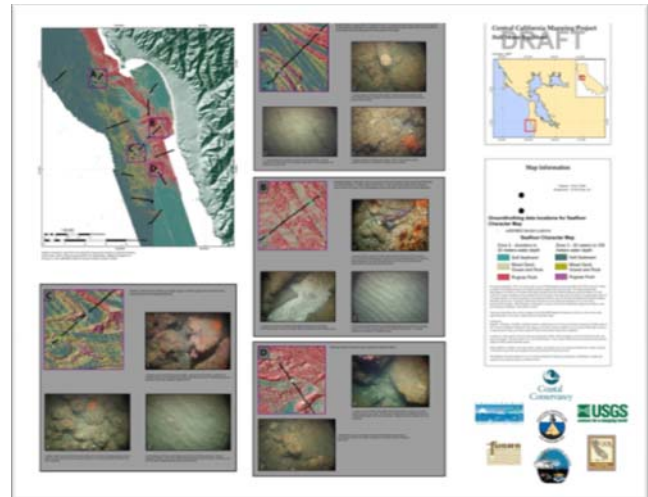
Seafloor Character

The seafloor character map is produced using video-supervised maximum likelihood classification of the bathymetry and backscatter signals from sonar systems. Derivative roughness (rugosity) and backscatter intensity are used as variants in the classification. The substrate classes are then divided into the California Marine Life Protection Act depth zones.



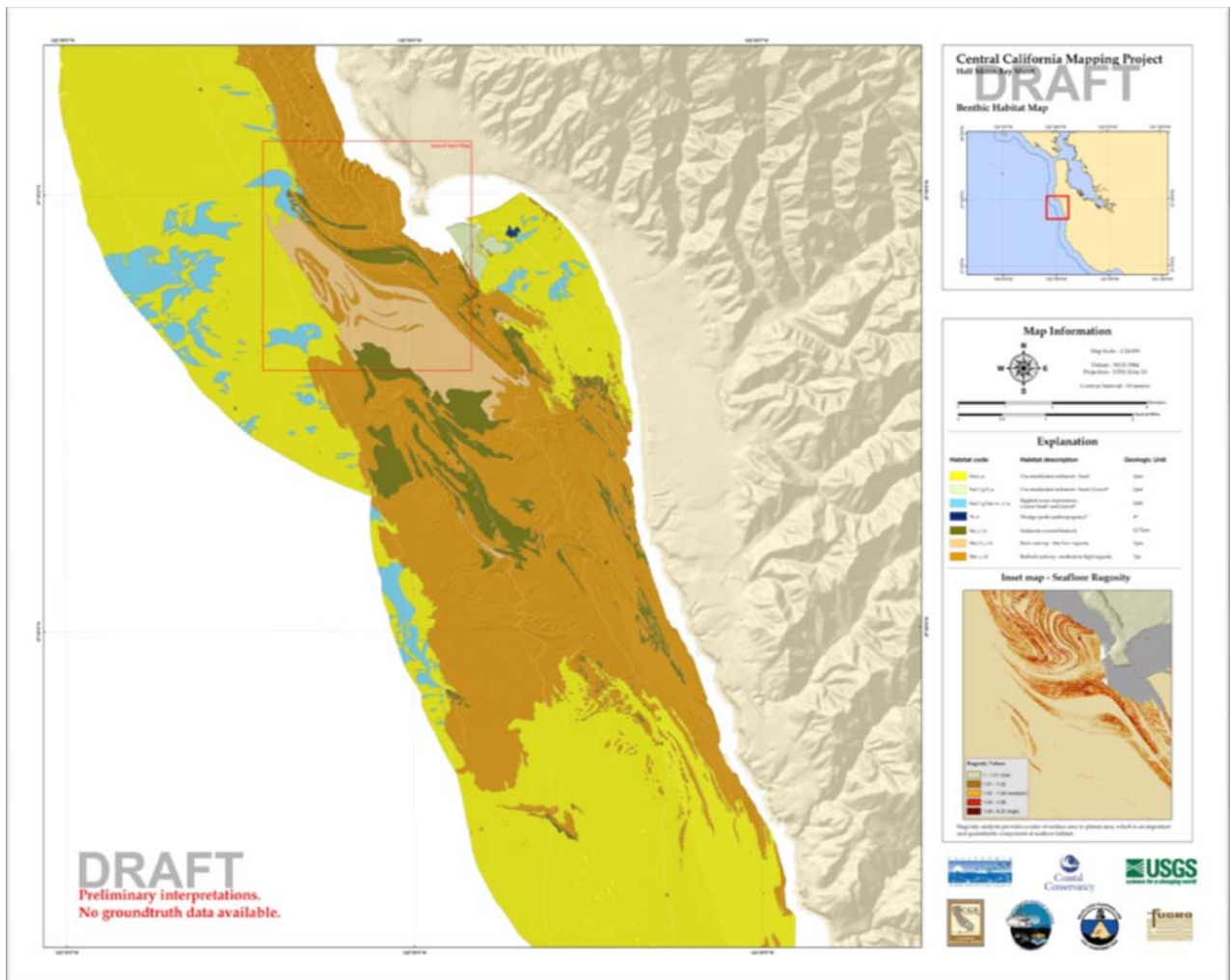
Ground-Truthing

This map sheet shows the seafloor character map along with examples of video frame-grabs and still photographs used to interpret and validate the seafloor character map.



Seafloor Habitats

These maps are traditional seafloor benthic habitat maps identifying regions of similar character (roughness, composition, etc) that will help identify specific seafloor communities.



Seafloor Geology

These maps are traditional geologic maps showing and describing the distribution of different geologic units, contacts, and structures (faults and folds). Where data is available, these maps will also show adjacent onshore geologic mapping.

