Potential Marine Benthic Habitats, Offshore of Aptos Map Area, California

Mercedes D. Erdey, 2014
A. Endris, and H. Gary Greene, 2014. Bathymetric contours by
Potential marine benthic habitats mapped by Bryan E. Dieter, Charles
the Pajaro River. Sediment transport is primarily to the southeast. Exposure of deformed and differentially eroded
aids identification and classification of sedimentary habitats.

be subdivided on the basis of the spatial scale of the data.
models; sheet 1), are essential to development of the habitat map, as is shaded-relief imagery (sheet 2), which
others, 1999, 2007), and it can be subdivided on the basis of the spatial scale of the data.
information from the usSEABED bottom-sampling compilation by Reid and others (2006). The combination of
backscatter (sheet 3); seafloor character (sheet 5); and ground-truth information (sheet 6). This map also uses
provide a habitat for a specific species or an assemblage of organisms. Such maps are based largely on seafloor
observations, video, and (or) photographic documentation.

Backscatter data show that most of the area is underlain by "soft" materials, consistent with the interpreta-
tion of a "soft" substrate, which is likely to include a significant proportion of the area.

HARD SUBSTRATE ON CONTINENTAL SHELF

Canyon scarp; composed of hard substratum
Landslide deposits; composed of hard substratum
Hard, consolidated boulders or pinnacles of sedimentary rock
Soft, mobile sediment window that has unconsolidated and rippled sediment waves,
Unconsolidated, dynamic mound of soft sediment (sand)
Soft, hummocky, unconsolidated sediment (sand and gravel)
Soft, mobile sediment window that has unconsolidated and flat sediment waves,
Unconsolidated, dynamic mound of soft sediment (sand)
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