

## **Bathymetry and Fault Mapping of San Diego Bay**

To date, we have been acquiring and interpreting existing geophysical data in San Diego Bay and surrounding regions to characterize fault structures and seafloor type. This data compilation will provide a preliminary map for our geophysical survey this summer as well as information for the visualization module. We have also fabricated the pole mount assembly for deployment of the SeaBat 7125 swath bathymetry system. Examination of the potential vessel on loan to the Port revealed that the cabin area is too small to house the required geophysical equipment. The topside acquisition computers require a controlled environment and cannot be set up on deck where they would be susceptible to salt spray and excessive temperature fluctuations. We are eager to begin the geophysical survey and are waiting on a vessel. Difficulties have arisen in the donation of the vessel to the Port and has introduced a delay; original delivery of the vessel was scheduled for January 2011.