This acoustic backscatter map of the Offshore of Carpinteria map area, California, was produced from sidescan sonar data acquired during surveys conducted in 2005 and 2006. The data were collected using 117-kHz and 234.5-kHz sidescan sonar, which provides a wide range of seafloor information, including backscatter data. The map was processed and combined with related datasets to create a geographic information system (GIS) map. The backscatter data were normalized for time-varying signal loss and beam-directivity differences. The map provides a general indication of the seafloor's geomorphology and is useful for environmental and resource assessments.