

Scenario: You are a marine mammal biologist working for the National Marine Fisheries Service. You have been asked to prepare a report about the migrations and movements of blue whales along the Pacific Coast of North America. You must give information about the locations of the whales and the seamounts they might be feeding on.

As part of your report, please propose an area in Canada, United States and Mexico for a Marine Reserve. You can propose a marine reserve area no greater than 250,000 square km. Your reserves in Mexico and the United States should include at least one seamount.

Once you have chosen your reserve, estimate and report the depth, distance from shore and slope of the seamounts inside the reserve.

Draw your reserve on the map titled 'Pacific Coastal Seamounts'

NAME	DEPTH	LAT_DD	LONG
GLIMDROP	-1207	37.45	-123.467
STEEL VENDOR	-1611	40.38	-129.45
RODRIGUEZ	-651	34.05	-121.07
SAN JUAN	-546	33.03	-121
JASPER	-1089	30.42	-122.76
FERREL	-567	29.54	-117.29
WESTFALL	-1253	30.18	-120.08
CERRALVO	-305	24.18	-109.6
CABRILLO	-1084	22.82	-109.28
DISPATCH	-1307	27.66	-119.36
HENDERSON	-1173	25.34	-119.56
FAIRWEATHER	-1907	19.85	-113.08
SUITCASE	-1963	20.66	-112.72
ROSA	-955	26.18	-115
CREST	-2020	24.54	-117.08
SM_01_1C	-921	18.42	-119.52
SM_02_2D	-969	26.02	-121.8
SM_01_2D	-1111	26.14	-122.28
TANEY	-2160	36.85	-125.617
GUIDE	-1700	37.03	-123.37
DAVIDSON	-1253	35.76	-122.7038
PIONEER	-813	37.37	-123.43

Table 1. Seamount Data for Pacific Coastal Regions of California and Baja California.

Longitude	Latitude	Depth of Seamount	Distance to shore	Slope of Seamount

Table 2. Seamount Data for Proposed Reserves

Activity written by Michelle Kinzel, kinzelm@geo.oregonstate.edu. All whale data courtesy of the Marine Mammal Institute, Oregon State University

Pacific Coastal Seamounts

