

**UNITED STATES BOARD ON GEOGRAPHIC NAMES
UNDERSEA FEATURE NAME PROPOSAL**

NAME PROPOSED: *Coast and Geodetic Survey Seamount Province*

LOCATION: North Pacific Ocean southwest of Kodiak Island

Ocean or Sea: Pacific Ocean

Coordinates:

Point feature or center point:	Lat.49 00 N	Long. 159 00 W
Linear feature (from):	Lat.	Long.
Linear feature (to midpoint or turning point):	Lat.	Long.
Linear feature (to):	Lat.	Long.
Areal Feature – Northeast corner:	Lat. 53 15N	Long. 161 W
Intermediate corner	Lat. 52N	Long. 157W
Intermediate corner:	Lat. 49N	Long. 155W
Southeast corner:	Lat. 45 N	Long. 156W
Southwest corner:	Lat. 45 N	Long. 162W
Northwest corner:	Lat. 53 N	Long. 162W

DESCRIPTION:

Feature type: Seamount Province Size and Shape: A near rectangular area having a number of seamounts and knolls extending through 8 degrees of latitude, 45 to 53 15 North and 155 to 162 west, corners of polygon noted above.
Depth: (max. and min.) 2800 fathoms – 1800 fathoms although largest seamounts have relief in vicinity of 700 fathoms
Steepness, etc. – a number of moderate sized seamounts of apparently normal seamount configuration concerning steepness and slopes
Associated features: Aleutian Trench, Surveyor Fracture Zone, Surveyor Seachannel. See seamount and knoll list below.

CHART OR MAP REFERENCE:

Name and feature shown on: Not named

Feature shown but not named on: First published in Coast and Geodetic Survey Operational Data Report No. 1, *Systematic ocean surveys by the USC&GSS Pioneer 1961-1963*; Douglas Elvers, 1967 with accompanying bathymetric map. This was the first data product associated with Operation Seemap. Shown in H.O. Publication No. 1302, Bathymetric Atlas of the Northcentral Pacific Ocean, 1971; maps 1609-1610, 1709-1711.

REASON FOR CHOICE OF NAME:

From the years 1925 through 1971, the United States Coast and Geodetic Survey systematically surveyed the Gulf of Alaska and North Pacific Ocean discovering

numerous seamounts, delineating the Aleutian Trench, and discovering numerous other features. The term province is used because this group of seamounts appears to have significantly different character than the seamount groups to the east which are distinctly lineal in character and the relatively flat smooth area to the west. Further more it appears to be constrained in the area between the Surveyor Fracture Zone and the Aleutian Trench. The seamounts and knolls in this province all seem to be significantly smaller than the seamounts in the Gulf of Alaska as well. This feature is named to commemorate the work of that organization in exploring much of the North Pacific Ocean. The majority of named seamounts and knolls within this province are named for Nineteenth Century Coast and Geodetic Survey personnel. Seamount names in this province associated with Coast and Geodetic Survey personnel include Harris, Gerdes, Derickson, Putnam, Pritchett, Taussig, Dorsey, Schott, Stevens, Saxton, Tittmann, Alden, Bryant, and Sengteller. Knolls named for Coast and Geodetic Survey personnel include Bolles, Burdick, Lefavor, Cutts, and Mendell.

DISCOVERY FACTS:

Date: 1925-1971 various tracklines and mapping projects conducted by the United States Coast and Geodetic Survey. Numerous C&GS ships traversed this area, but the discovery of this seamount province is primarily attributable to the USC&GS Ship PIONEER which began SEAMAP surveys here in 1961.

Sounding equipment used: 1960 vintage echo-sounder

Navigation Type: LORAN-C

Estimated horizontal accuracy: $\pm .1$ to $.25$ km Track/Spacing, crossing: 5-10 n.m. line spacing

SUPPORTING MATERIALS: This feature can be found in Coast and Geodetic Survey Operational Data Report No. 1, *Systematic ocean surveys by the USC&GSS Pioneer 1961-1963*; Douglas Elvers, 1967 with accompanying bathymetric map and H.O. Publication No. 1302, *Bathymetric Atlas of the Northcentral Pacific Ocean*, 1971; maps 1609-1610, 1709-1711.

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ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

BATHYMETRIC MAP
USC & GSS PIONEER 1961-1963
CONTOURED BY R. L. MOSES AND R. E. KOHLER

