

UNITED STATES BOARD ON GEOGRAPHIC NAMES

UNDERSEA FEATURE NAME PROPOSAL

NAME PROPOSED: Malahoff Seamount

LOCATION: Main Hawaiian Islands Archipelago

Ocean or Sea: North Pacific Ocean

Coordinates:

point feature or center point:.....Lat. 18° 12.0' N Long. 157° 27.0' 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. Long.
- Southeast corner:.....Lat. Long.
- Southwest corner:.....Lat. Long.
- Northwest corner:.....Lat. Long.

DESCRIPTION:

Feature type: Seamount Size and shape: ~20 km in dia @ base, Stellate
Depth (max. and min.): <1600 m to 4400 m Steepness, etc.: varies on flank
Associated features: Probable failure scar on NE side of summit, saddle between it and Pensacola Seamount just to the NE.

CHART OR MAP REFERENCE:

Name and feature shown on:
Feature shown but not named on: R/V Kilo Moana cruise km0712, chartlet km0712-50-17 & NOAA charts 19010, 504

REASON FOR CHOICE OF NAME: In honor of Dr. Alexander Malahoff, Geophysicist/Geoscientist.

Alex Malahoff is still active in the geoscience field though will retire as Professor of Oceanography and Director of the Hawaii Undersea Research Laboratory at the University of Hawaii at Manoa in Feb 2008. He has dedicated his career to the study of land based geothermal systems, aeromagnetic surveys of volcanic and tectonic regions, and undersea exploration of hydrothermal mid-ocean ridges and seamounts.

DISCOVERY FACTS:

Date: July 2007 Discoverer (individual, ship): Ch. Sci. Christopher Kelley, R/V Kilo Moana
Sounding equipment used: Simrad EM120 MBES Navigation type: GPS
Estimated horizontal accuracy: ±10 meters Track spacing, crossings: 3 swaths, ~5 nm apart

SUPPORTING MATERIALS: Please enclose references, reprints profiles, maps, etc.

SUBMITTED BY: Dr. John R. Smith Jr. (Co-Chief Scientist) A.M. was major MS and PhD advisor.

Organization and address:

Hawaii Undersea Resarch Laboratory, 1000 Pope Rd., MSB 303, Honolulu, HI 96822 jrsmith@hawaii.edu

Please mail to:

Executive Secretary
US Board on Geographic Names
National Geospatial-Intelligence Agency
4600 Sangamore Road Mail Stop D-167
Bethesda MD 20816-5003
USA