

UNDERSEA FEATURE NAME PROPOSAL OHO/IOC form No. 1
(See Note overleaf)

Ocean Pacific Name proposed Pegas Guyot

Coordinates: of midpoint or summit: Lat. 15°35' N., Long. 152°05' E.

Description (kind of feature): guyot

Identifying or categorizing characteristics (shape, dimensions, total relief, least depth, steepness, etc.):

Meridionally extended mount, in south-west part connected to guyot-satellite. Slopes are complicated with spurs. Slopes steepness - from 4-7° to 25° and more. The minimum depth- 1303 m.; relative height of the guyot more than 3 600 m.

Associated features: The guyot is surrounded by Saipan basin, main chain of the Magellan seamounts lay to the north.

Chart reference:

Shown but not named on chart No.

On GEBCO sheet 5.06 it is represented with forms different to really observed

Reason for choice of name (if a person, state how associated with the feature to be named):

The name is given after the vessel "Pegas", which conducted the regional geologic-geophysical investigations in 1975-76 in East-Mariana basin, in Magellan seamounts and Marcus-Wake rise.

Discovery facts:

1983 by RV "Akademik Nesmeyanov", 1987 by RV "Morskoy Geolog", 1989 RV "Sever" - survey by single-beam echo sounder, seismoacoustics profiling, regular survey with scale 1:1 000 000; 2005 RV "Gelendzhik" - multibeam bathymetric survey by echo sounder SIMRAD EM12 S-120 with scale 1:200 000.

Navigation used: Navstar GPS

Estimated positional accuracy in nautical miles: ±0,001 mile

Description of survey (track spacing, line crossings, grid network, etc.): swathe bathymetric regular 3D survey

Nature and repository of other survey activities (dredge samples, cores, magnetics, gravity, photographs, etc.): bathymetric survey by multibeam echo sounder SIMRAD EM12 S-120; seismoacoustics profiling and hydro magnetic profiling; photo-TV profiling along irregular grid, seabed sampling by dredging, with spacing 1 station on 100 sq. km and by grabs.

Supporting material: enclose, if possible, a sketch map of the survey area, profiles of the feature, etc., with reference to prior publication, if any:

The appendix 1. Bathymetric chart (relief section -100 meters, denser -500 m.)

The appendix 2. Simrad EM12 S-120 track chart

1. The mountains of Western Pacific and their ore content /Volokhin Y.G., Melnikov M.E., Shkolnik E.L. and others. M.: Nauka, 1995, 368 p.

2. Vasiliev B.I., Evlanov J.B., Simonenko V.P. To geologic structure of Magellan seamounts of Pacific Ocean // Tihoocean. Geologiya. 1985. № 3. P. 97-101.

Submitted by: State Scientific Centre “Yuzhmorgeologiya”

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Concurred in by (if applicable): _____

Address: _____

National Authority (if any): _____

Address: _____

NOTE: This form should be forwarded, when completed:

- a) If the undersea feature is located in territorial waters: —
to your “National Authority for Apporoval of Undersea Features Names” or, if this does not exist or is not known, either to the International Hydrographic Bureau or to the Intergovernmental Oceanographic Commission (see addresses below);
- b) If the undersea feature is located in international waters: —
to the International Hydrographic Bureau or to the Intergovernmental Oceanographic Commission, at the following addresses:

International Hydrographic Bureau
7, Avenue President J.F.Kennedy
B.P. 445
MC 98011 MONACO CEDEX
Principality of MONACO

Intergovernmental Oceanographic Commission
UNESCO
Place de Fontenoy
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