

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

Ocean or Sea **Pacific Ocean** Name proposed **Vulkanolog Guyot**

Coordinates: of midpoint or summit: Lat. **17°59,2' N.** Long. **152°00,0' E.**

Description (kind of feature): **guyot**

Identifying or categorizing characteristics (shape, dimensions, total relief, least depth, steepness, etc.): **Guyot complex outlines with angular form. The flat summit have diameter near 5 miles. The minimum depth of summit 1192 m. Slopes steepness ranges from 7° to 20° and more. Relative height of the guyot is more than 4 000 m. Guyot is located in the north-west part of the Magellan mountains.**

Associated features:

Chart reference:

Shown with name on chart No.

Shown but not named on chart No. **On GEBCO sheet 5.06 it is represented as a simple cone with depth of summit more then 2 000 m., and inaccurate position.**

Not shown but within area covered by chart No.

Reason for choice of name (if a person, state how associated with the feature to be named): **The name was proposed in honor of the R/V “ Vulkanolog” , which the first investigated this guyot in 1986**

Discovery facts : **1986 the first inverstigated by RV “Vulkanolog” in 2006 year by RV “Gelendzhik” detail surey**

By means of (equipment): **regular survey by multibeam echo sounder SIMRAD EM-12S –120, 1:200 000 scale**

Navigation used: **Navstar GPS**

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

Description of survey (track spacing, line crossings, grid network, etc.): **area 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 EM-12S - 120; seabed sampling by dredging; phototelevision profiling by the “ Neptun” system with spacing between lines from 5 to 5 x 2.5 kms; geoacoustics profiling along the lines spaced 2,5 x 2 kms, drilling GBY-0,7/4000 in single points.**

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

Appendix 1 . **Bathymetric map**

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