## INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION (OF UNESCO)

## Undersea feature name proposal

IHO/IOC Form No. 1

Ocean or Sea: Arctic Ocean
Name proposed: Naletov Ridge

В

Coordinates of extremities: Lat. 84°56.2' N Lat. 86°30.5' N

Long. 25°02.5' E to Long. 14°55.0' E

Description (kind of feature): The chain of seamounts in the E sector of the Arctic stretched in the submeridional direction and crossing the W part of Gakkel' Ridge in nearly normal direction.

Identifying or categorizing characteristics: The chain of seamounts about 110 miles in extent consists of ten local steep-sided elevations with relative height up to 1000 m and more. In the S the chain is limited by a seamount with the depth of 2736 m over it, in the N- by a seamount with the depth of 3090 m over it. Coordinates of the seamounts are given above. Slope steepness of some seamounts attains  $17^{\circ}$ .

Associated features:

Chart reference:

Shown with name on chart No.

Shown but not named on chart No. DNO 1:500 000 (1999); GEBCO G:01

Not shown but within area covered by chart No.

Reason for choice of name: To perpetuate the memory of Nikolay Sergeyevich Naletov (1923-2000), hydrographer of the North Hydrographic Expedition of the Northern Fleet, not once a participant of the air expeditions into the high latitudes of the Arctic. In 1948-1983 he participated or was at the head of the research works in various areas of the Arctic Ocean, in the White and Barents Seas and in Novaya Zemlya.

Discovery facts:

Date: 1971, 1972, 1978 by the Northern Fleet Hydrographic Expedition when carrying out general bottom relief survey from ice in the N part of the seamounts and from a submarine in the S part.

By means of: Soundings were taken by means of echo sounder NEL-6, by seismosounding technique and sounding machine.

Navigation used: Depth positioning was carried out by astronomical fixing during the survey from ice and by radio navigation system "Marshrut" during the survey from a submarine.

Estimated positional accuracy in nautical miles: Mean square error of positioning by astronomical fixing – 0.4-0.7 miles, by RNS "Marshrut" -1.9 miles.

Description of survey: Survey from ice was carried out by means of airborne landing, survey from a submarine – by sounding technique. Survey scale – 1:500 000.

Nature and repository of other survey activities: Survey from ice – discrete with density of one sounding per 100-160 km<sup>2</sup>. Survey from a submarine – parallel sounding lines with interval 8-14 km.

Supporting material: In 1971 sounding along track from a submarine was carried out by the Northern Fleet Hydrographic Expedition. Soundings were taken by means of echo sounder NEL-6. Position was fixed by radio navigation system "Marshrut" with accuracy of 3 miles.

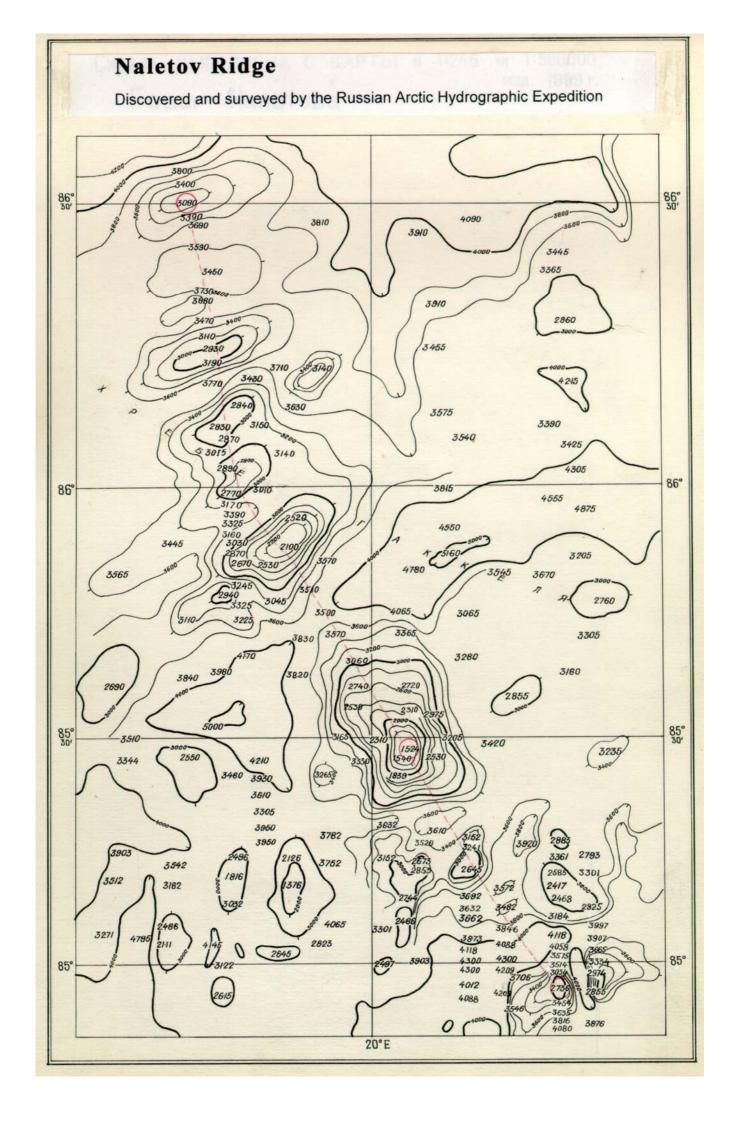
Submitted by: The Department of Navigation and Oceanography of the RF Ministry of Defence.

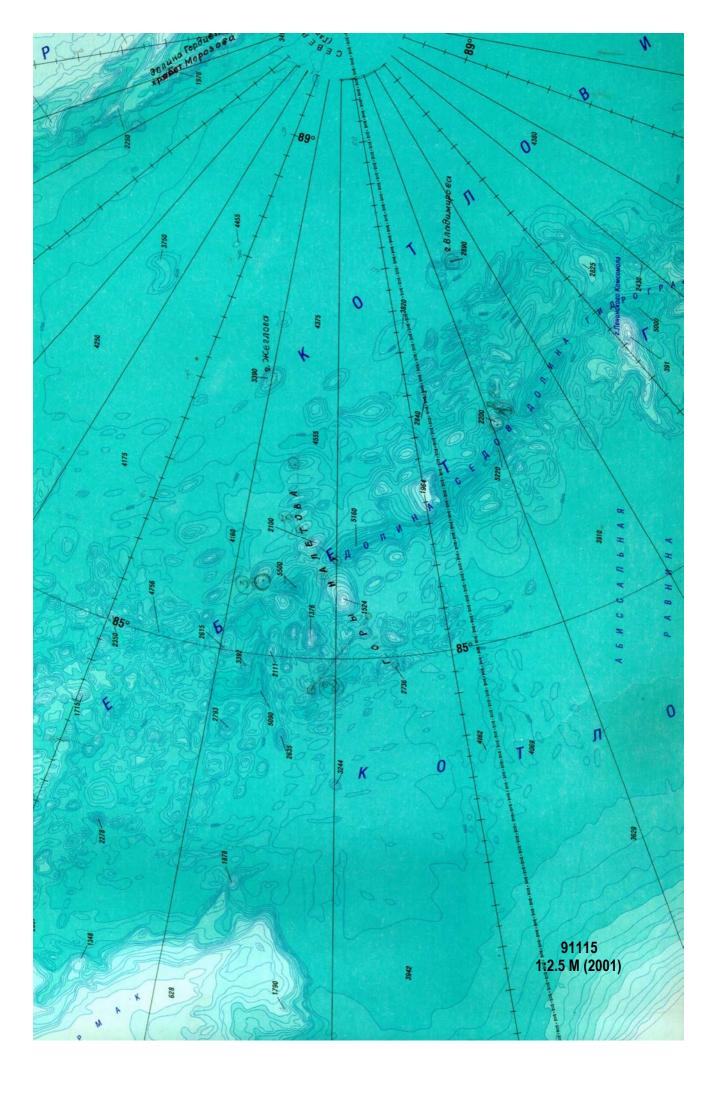
Date: 30.03.2007

Address: 11 liniya, B-34, St. Petersburg 199034

Concurred in by:

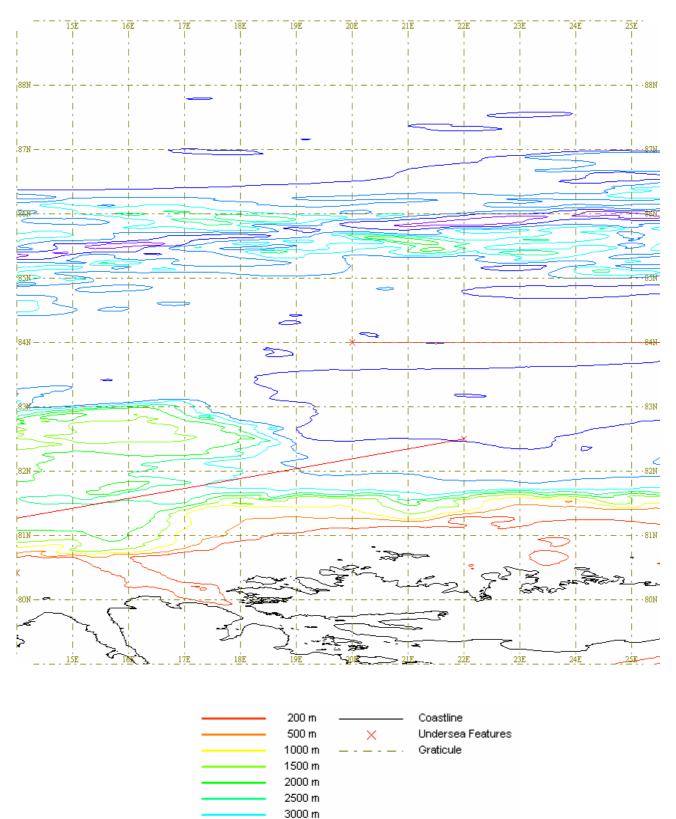
Address:





84°56.2' N 25°02.5' E to 86°30.5' N 14°55.0' E

GEBCO G · 01



3500 m 4000 m 4500 m

## Naletov Nikolay Sergeyevich

(1923-2000)

He began his career in the North Hydrographic Expedition in 1948 as an assistant of the superintendent of works. He participated annually in the expeditions to the White and Barents Seas, carried out soundings in the vicinity of Novaya Zemlya, Ostrov Vaygach, in Kandalakshskiy Zaliv and Onezhskiy Zaliv, at Karel'skiy and Pomorskiy Coasts. In 1951 he was appointed a superintendent of hydrographic works and in 1974 due to his great experience in the field works and organizational abilities he was appointed a chief of a hydrographic party.

He participated in 33 expeditions to the Arctic seas. He was at the head and personally participated in the work on the sounding of more than 60 000 linear kilometres.

Not once he participated in the air expeditions into the high latitudes of the Arctic, took soundings from ice at Mendeleyev Rise and in Makarov and Nansen Basins.