

**UNDERSEA FEATURE NAME PROPOSAL**  
(See IHO-IOC Publication B-6 and **NOTE** overleaf)

Note: The boxes will expand as you fill the form.

<b>Name Proposed:</b>	Bogoslof Sill (new GEBCO and ACUF feature)	<b>Ocean or Sea:</b>	Bering Sea
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<b>Geometry</b> that best defines the feature (Yes/No) :						
Point	Line	Polygon	Multiple points	Multiple lines*	Multiple polygons*	Combination of geometries*
Yes	Yes	No	No	No	No	Yes

\* Geometry should be clearly distinguished when providing the coordinates below.

<b>Coordinates:</b>	Lat. (e.g. 63°32.6'N)	Long. (e.g. 046°21.3'W)
	Point (28 m) 53° 40.8'N	Point (28 m) 167° 11.1'W
	Line Start (64 m) 53° 38.0'N	Line Start (64 m) 167° 10.9'W
	Line Mid1 (62 m) 53° 38.8'N	Line Mid1 (62 m) 167° 12.1'W
	Line Mid2 (28 m) 53° 40.8'N	Line Mid2 (28 m) 167° 11.1'W
	Line Mid3 (107 m) 53° 44.3'N	Line Mid3 (107 m) 167° 11.8'W
	Line End (34 m) 53° 44.6'N	Line End (34 m) 167° 04'.2W

<b>Feature Description:</b>	Maximum Depth:	28 m	Steepness :	NA
	Minimum Depth :	107 m	Shape :	U/V
	Total Relief :	79 m	Dimension/Size :	~26,000 m shore to shore

<b>Associated Features:</b>	Bering canyons, Bogoslof complex
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<b>Chart/Map References:</b>	Shown Named on Map/Chart:	US Bathy Chart UNALASKA – 1710N-2
	Shown Unnamed on Map/Chart:	US Nav. Chart 16500
	Within Area of Map/Chart:	

<b>Reason for Choice of Name</b> (if a person, state how associated with the feature to be named):	<p>Bogoslof Canyon is recognized by ACUF but not GEBCO. The ACUF place name location is near where our West and East canyons meet.</p> <p>There is a Bogoslof Canyon on US Bathy Chart 1710N-2 but we show two similar canyons in this area (our West and East) that join to form a valley. The West canyon starts in Umnak Pass and the East canyon starts at Unalaska Island. There is also a Basin in Makushin Bay, Unalaska Island. Due to our method of smoothing the depth surface prior to making the thalwegs, the thalweg representing this small basin is greatly simplified, so we relied on thalwegs produced from an unsmoothed depth raster.</p>
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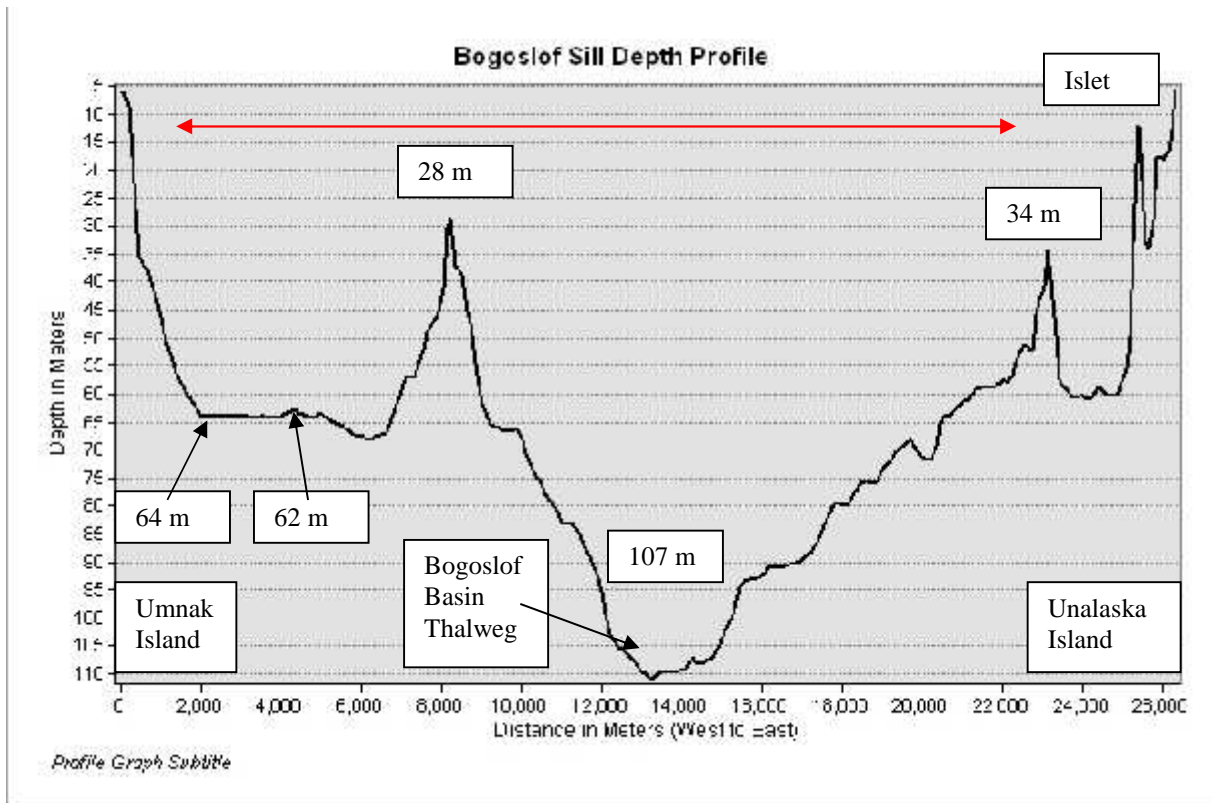
<b>Discovery Facts:</b>	Discovery Date:	2018
	Discoverer (Individual, Ship):	2018

<b>Supporting Survey Data, including Track Controls:</b>	Date of Survey:	various
	Survey Ship:	various
	Sounding Equipment:	various
	Type of Navigation:	various
	Estimated Horizontal Accuracy, in nautical miles (M):	100 m horizontal resolution bathymetry surface
	Survey Track Spacing:	various
	Supporting material can be submitted as Annex in analog or digital form. Please see Zimmermann and Prescott (2018)	
<b>Proposer(s):</b>	Name(s):	Mark Zimmermann & Megan Prescott
	Date:	July 2018
	E-mail:	mark.zimmermann@noaa.gov
	Organization and Address:	National Marine Fisheries Service, NOAA, Alaska Fisheries Science Center, 7600 Sand Point Way NE, Bldg. 4, Seattle, WA 98115-6349 USA
	Concurrer (name, e-mail, organization and address):	
<b>Remarks:</b>	<p>Zimmermann and Prescott (2018): shown in Fig. 7 (please see below).  Harris et al. (2014): the Basin is recognized as "Basins perched on shelf" and "small shelf valley".  Harris and Whiteway (2011): the Basin is not recognized.</p>	

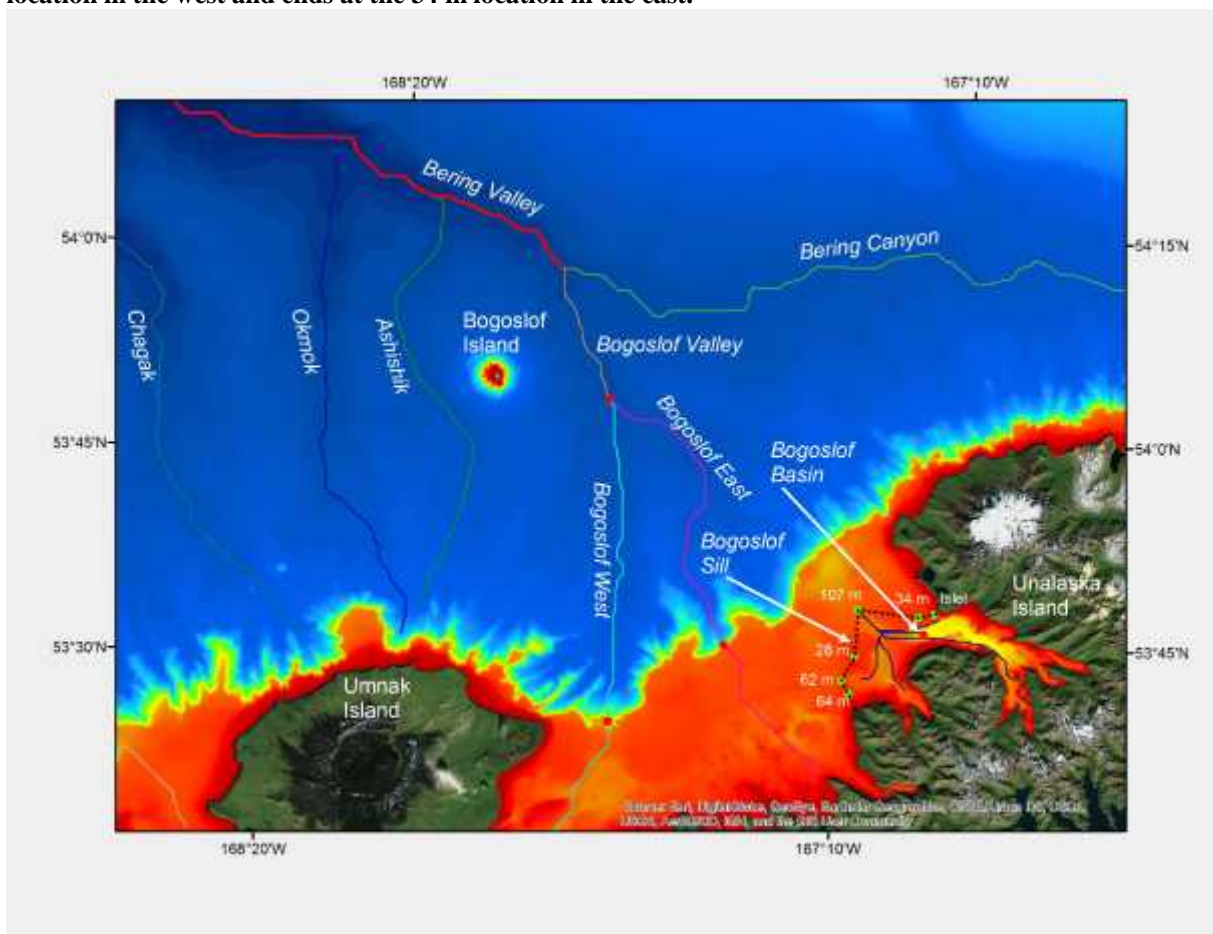
**NOTE:** This form should be forwarded, when completed:

- a) **If the undersea feature is located inside the external limit of the territorial sea:**  
- to your "National Authority for Approval of Undersea Feature Names" (see Publication B-6) or, if this does not exist or is not known, either to the IHO or to the IOC (see addresses below);
- b) **If at least 50 % of the undersea feature is located outside the external limits of the territorial sea:**  
- to the IHO or to the IOC, at the following addresses :

International Hydrographic Organization (IHO) 4b, Quai Antoine 1er B.P. 445 MC 98011 MONACO CEDEX Principality of MONACO Fax: +377 93 10 81 40 E-mail: <a href="mailto:info@iho.int">info@iho.int</a> Web: <a href="http://www.iho.int">www.iho.int</a>	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS France Fax: +33 1 45 68 58 12 E-mail: <a href="mailto:info@unesco.org">info@unesco.org</a> Web: <a href="http://ioc-unesco.org/">http://ioc-unesco.org/</a>
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**Figure 1. Plot of horizontal cross-section along selected shallow locations of Bogoslof Sill, extending from Umnak Island in the west to Unalaska Island in the east. We propose that the sill starts at the 64 m location in the west and ends at the 34 m location in the east.**



**Figure 2. Modified version of Fig 7. (Zimmermann & Prescott, 2018) “Thalwegs of the Bering Canyon area of the eastern Bering Sea slope” showing proposed Bogoslof Basin place name.**