

**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>	Okmok Canyon (revision of ACUF feature, new GEBCO 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 (712 m) 53° 36.7'N	Point (712 m) 168° 07.3'W
	Line Start (558 m) 53° 35.6'N	Line Start (558 m) 168° 07.3'W
	Line Mid1 (712 m) 53° 36.7'N	Line Mid1 (712 m) 168° 07.3'W
	Line End (2460 m) 54° 10.9'N	Line End (2460 m) 168° 28.5'W

<b>Feature Description:</b>	Maximum Depth:	2640 m	Steepness :	2.2°
	Minimum Depth :	558 m	Shape :	U/V
	Total Relief :	1902 m	Dimension/Size :	76540 m long/ ~18000 m wide

<b>Associated Features:</b>	Bering canyons
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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):	Okmok Canyon is not recognized by GEBCO, but ACUF does have a place name for "Okmuk Canyon" about 73000 to the west, where we do not show any canyon occurring. There is an Okmuk Canyon on US Bathy Chart 1710N-2 but we show two parallel canyons in this area. This canyon starts near Umnak Island and points toward Mount Okmok.
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<b>Discovery Facts:</b>	Discovery Date:	Listed in ACUF "prior to 1993" but no accompanying information is provided.
	Discoverer (Individual, Ship):	

<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
	Concurren (name, e-mail, organization and address):	
<b>Remarks:</b>	Zimmermann and Prescott (2018): shown in Fig. 7 (please see below). Harris et al. (2014): recognized as shelf incising canyon C8805. Harris and Whiteway (2011): recognized as unnamed canyon.	

**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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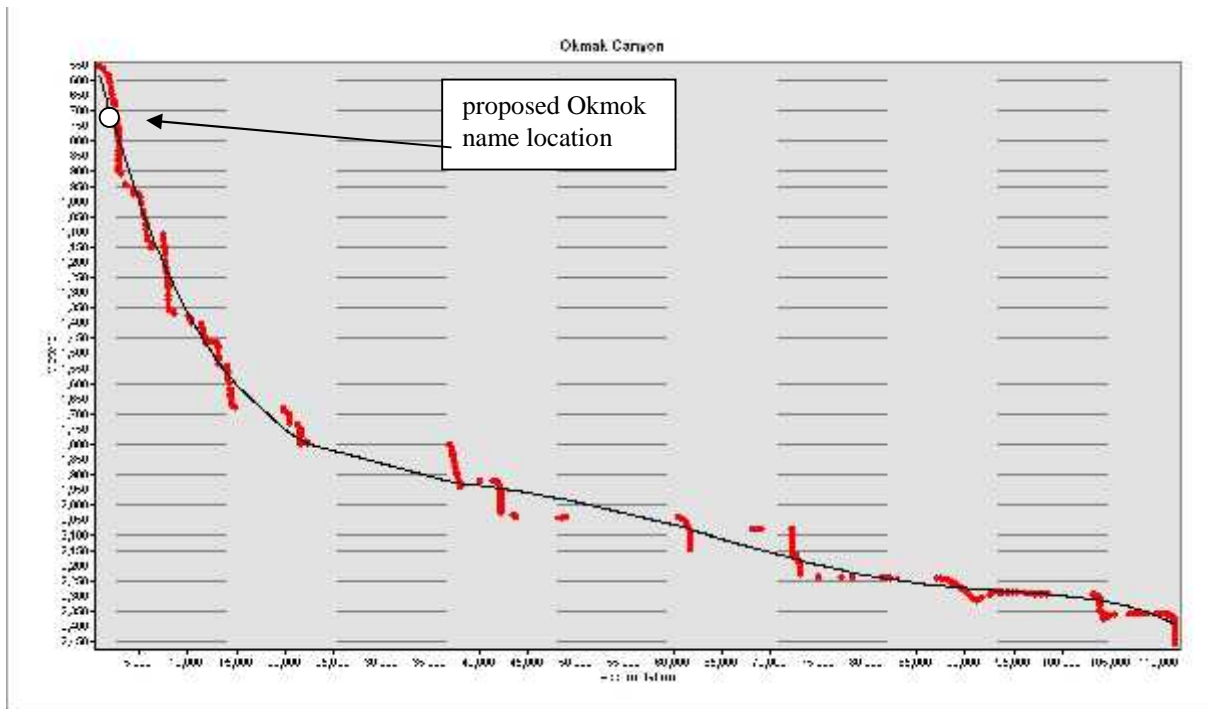


Figure 1. Plot of depth and accumulation of raster cells along main thalweg path, with fitted curve.

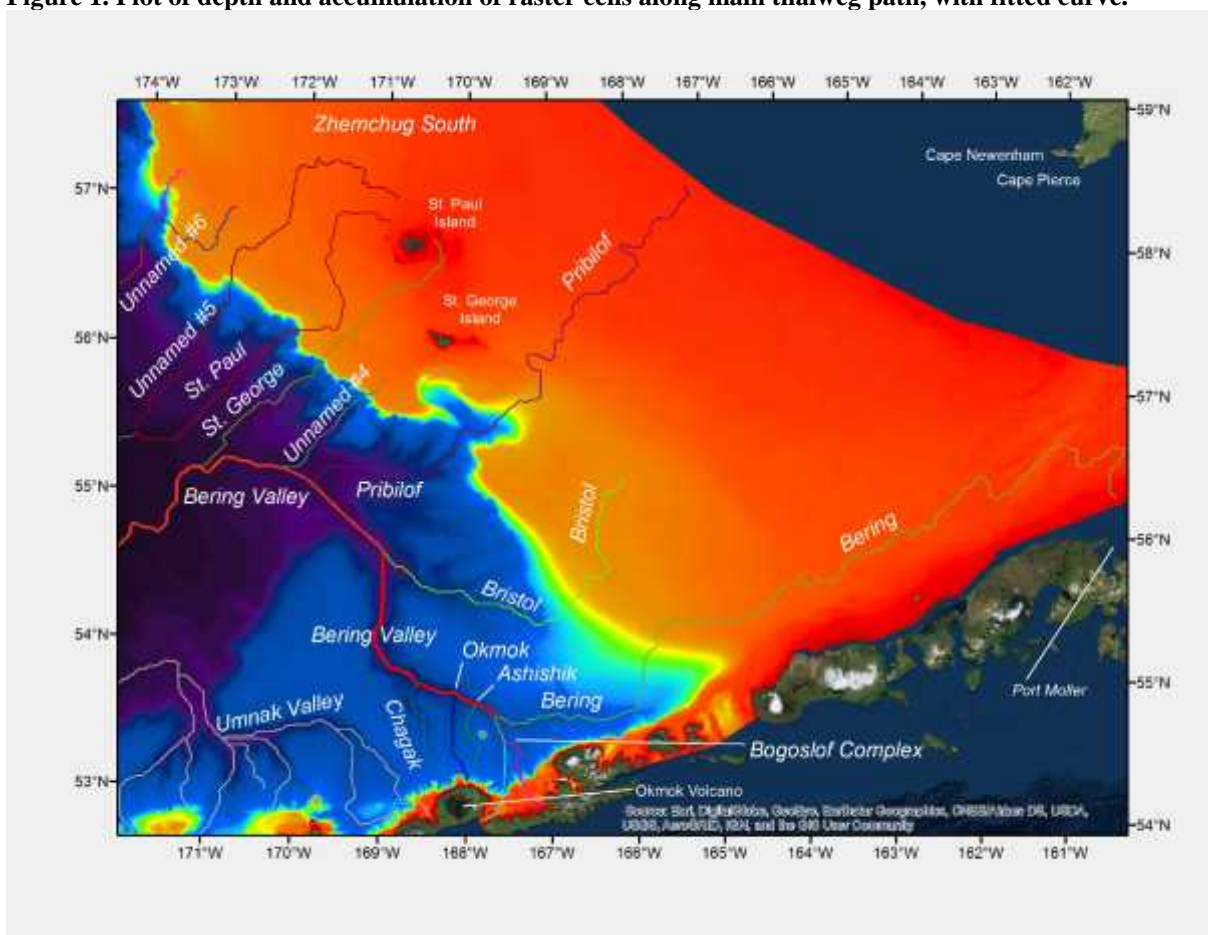


Figure 2. Modified version of Fig 7. (Zimmermann & Prescott, 2018) “Thalwegs of the Bering Canyon area of the eastern Bering Sea slope” showing proposed Okmok Canyon place name.