

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

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

Name Proposed:	Amukta Canyon (revise GEBCO and ACUF location)	Ocean or Sea:	Bering Sea
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Geometry 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.

Coordinates:	Lat. (e.g. 63°32.6'N)	Long. (e.g. 046°21.3'W)
	Point (2774 m) 53° 16.8'N	Point (2774 m) 171° 37.1'W
	Line Start (270 m) 52° 45.6'N	Line Start (270 m) 171° 39.0'W
	Line Mid1 (747 m) 52° 42.0'N	Line Mid1 (747 m) 171° 44.9'W
	Line Mid2 (1188 m) 52° 46.0'N	Line Mid2 (1188 m) 171° 57.2'W
	Line Mid3 (2138 m) 52° 58.3'N	Line Mid3 (2138 m) 172° 02.9'W
	Line Mid4 (2774 m) 53° 16.8'N	Line Mid4 (2774 m) 171° 37.1'W
	Line End (2945 m) 53° 25.1'N	Line End (2945 m) 171° 27.3'W

Feature Description:	Maximum Depth:	2945 m	Steepness :	2.0°
	Minimum Depth :	270 m	Shape :	U/V
	Total Relief :	2676 m	Dimension/Size :	119000 m long/ ~25000 m wide

Associated Features:	Urmak canyons, Chagulak Canyon
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Chart/Map References:	Shown Named on Map/Chart:	US Bathy Chart AMLIA-1810N-1
	Shown Unnamed on Map/Chart:	US Nav. Chart 16480 & 16012
	Within Area of Map/Chart:	

Reason for Choice of Name (if a person, state how associated with the feature to be named):	Amukta Canyon, named after Amukta Island, is a name already recognized by ACUF and GEBCO. We are suggesting that the placement could be farther downhill, at a steeper part of the canyon.
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Discovery Facts:	Discovery Date:	Listed in both ACUF and GEBCO Gazetteers with no accompanying information provided
	Discoverer (Individual, Ship):	

Supporting Survey Data, including Track Controls:	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)	
Proposer(s):	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):	
Remarks:	Zimmermann and Prescott (2018): shown in Fig. 6 (please see below). Harris et al. (2014): recognized as shelf-incising canyon C8654. Harris and Whiteway (2011): recognized as Umnak 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: info@iho.int Web: www.iho.int	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS France Fax: +33 1 45 68 58 12 E-mail: info@unesco.org Web: http://ioc-unesco.org/
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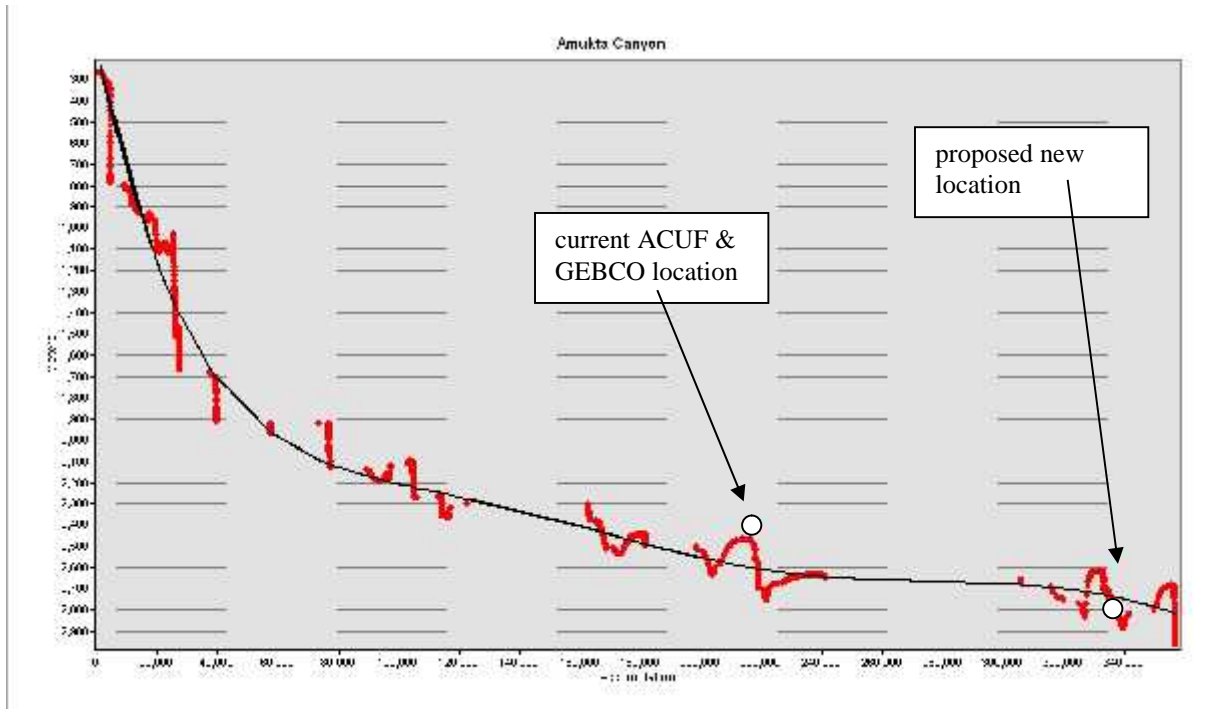


Figure 1. Plot of depth and accumulation of raster cells along main thalweg path, with fitted curve.

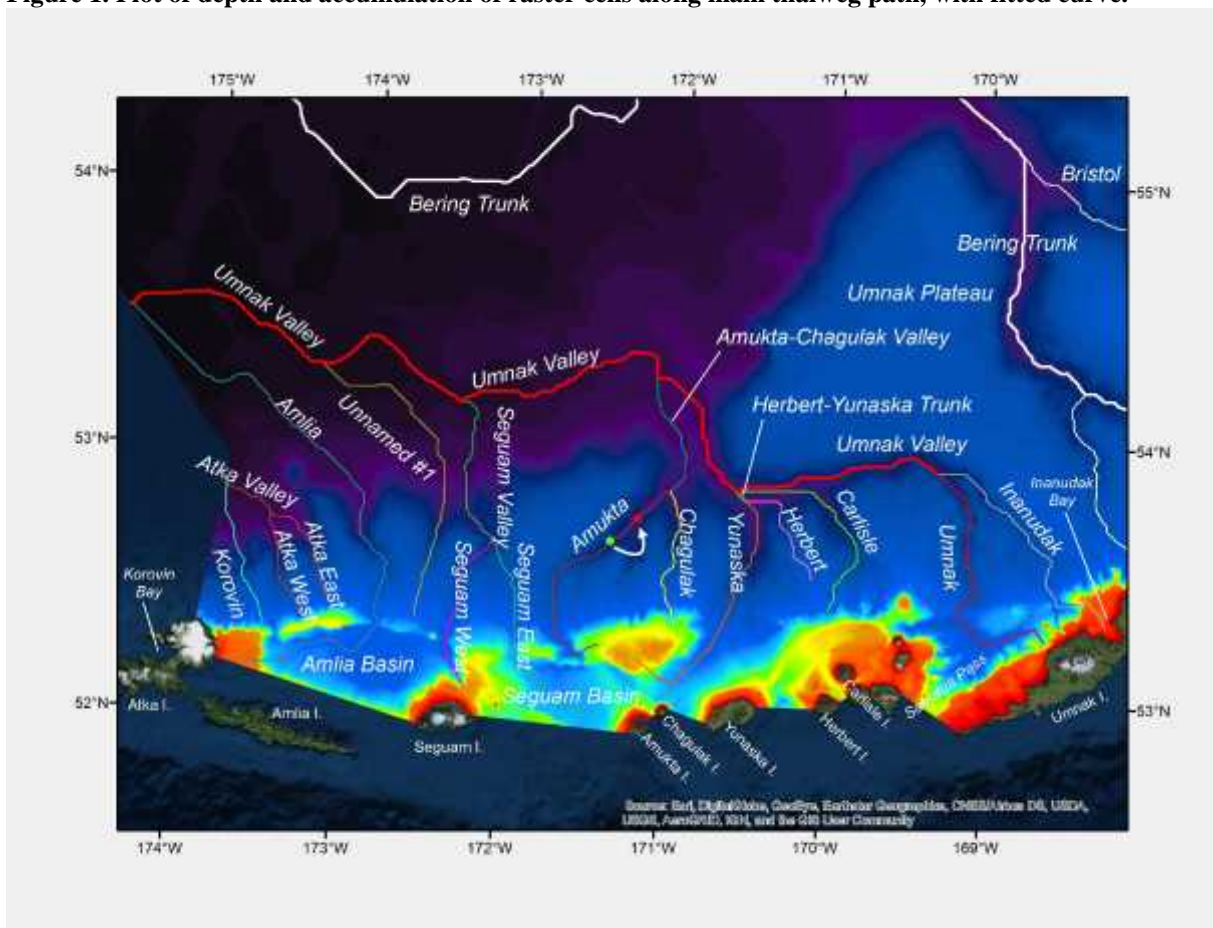


Figure 2. Modified version of Fig 6. (Zimmermann & Prescott, 2018) “Thalwegs of the Umnak Canyon area of the eastern Bering Sea slope” showing proposed location change for Amukta Canyon place name.