INTERNATIONAL HYDROGRAPHIC ORGANIZATION

INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION (of UNESCO)

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:	Amlia Canyo GEBCO loca	a Canyon (revise ACUF & Ocean or Sea: CO location)		or Sea:	Bering Sea				
Geometry that best of	defines the feat	ure (Yes/No) :							
Point	Line	Polygon	Multiple points	Multiple lin	es* Mu	Itiple	Combination of		
	I			 	polygons* geometries*				
Yes	Yes	No	No	No	!	No	Yes		
* Geometry should b	e clearly disting	guished when pr	oviding the coordina	ates below.					
·		;	Lat. (e.g. 63°32.6'N)			Long. (e.g. 046°21.3'W)			
} !			Point (1140 m) 52° 37.1'N			Point (1140 m) 173° 04.1'W			
1		1							
l l		Line	Start (1064 m) 52°	35.9'N	Line Star	Line Start (1064 m) 173° 03.4'W			
1 1		Line	Line Mid1 (1140 m) 52° 37.1'N			Line Mid1 (1140 m) 173° 04.1'W			
Coordinates:		Line	Line Mid2 (2117 m) 52° 50.6'N			Line Mid2 (2117 m) 173° 06.8'W			
1 1			Line Mid3 (2830 m) 52° 55.8'N			Line Mid3 (2830 m) 173° 20.1'W			
1 1			Mid4 (3112 m) 53°			Line Mid4 (3112 m) 173° 22.8'W			
l I		Line	Line End (3714 m) 53° 31.5'N			Line End (3511 m) 175° 12.2'W			
, \		!		۱ ٭ ـ ـ ـ ـ ـ ـ ۴					
 !	Maximun	n Depth: 3	3714 m	Steepne	ess :	1.1°			
Feature	Minimum	n Depth : 1	~		Shape :		U/V		
Description: Total Relief :		ief : 2	2650 m I		mension/Size :		209778 m long/		
 \			i			~24000 m wide			
Associated Features:		Umnako	Umnak canyons						
							!		
				ī					
		i			US Bathy Chart AMLIA –1810N-1				
Chart/Map Reference	xes:	!	Shown Unnamed on Map/Chart:			US Nav. Chart 16480 & 16012			
		. Within Ar	Within Area of Map/Chart:						
Reason for Choice	of Name (if a	Amlia Ca	anyon, named afte	er Amlia Isla	nd, is a nam	e alread	recognized by		
person, state how as	sociated with th		ACUF and GEBCO. We are proposing to move the place name uphill, to a						
feature to be named):			steeper part of the canyon.						
			/ Data:		Liotodia				
			Discovery Date:			Listed in both ACUF and GEBCO			
Discovery Facts:		i I			Gazetteers but no accompanying information is provided.				
		Dismver	Discoverer (Individual, Ship):						
!				·					
,									
			Date of Survey:		various				
			Survey Ship:			various			
Supporting Survey Data, including Track Controls:			Sounding Equipement:		Various				
			Type of Navigation:		Various				
			Estimated Horizontal Accuracy, in		100 m horizontal resolution				
		nautical n	nautical miles (M):			bathymetry surface			

,	Survey Track Spacing: various Supporting material can be submitted as Annex in analog or digital form.						
ί	Please see Zimmermann and Prescott (2018)						
	Name(s):	Mark Zimmermann & Megan Prescott					
	Date:	July 2018					
	E-mail:	mark.zimmermann@noaa.gov					
	Organization and Address:	National Marine Fisheries Service,					
Proposer(s):		NOAA, Alaska Fisheries Science					
1	1	Center, 7600 Sand Point Way NE,					
	 	Bldg. 4, Seattle, WA 98115-6349 USA					
	Concurrer (name, e-mail, organization						
	and address):	i					
	Zimmermann and Prescott (2018): shown in Fig. 6 (please see below).						
Remarks:	Harris et al. (2014): recognized as blind canyon C8605.						
	Harris and Whiteway (2011): recognized as a canyon but not named.						
1	i n'ans and viniteviay (2011). Teorgi 112eu as a canyon dui not naneu.						
·	-!	!					

NOTE: This form should be forwarded, when completed:

- a) If the undersea feature is located <u>inside the external limit</u> 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 <u>outside the external limits</u> of the territorial sea:

- to the IHO or to the IOC, at the following addresses :

International Hydrographic Organization (IHO)	Intergovernmental Oceanographic Commission (IOC)			
4b, Quai Antoine 1er	UNESCO			
B.P. 445	Place de Fontenoy			
MC 98011 MONACO CEDEX	75700 PARIS			
Principality of MONACO	France			
Fax: +377 93 10 81 40	Fax: +33 1 45 68 58 12			
E-mail: info@iho.int	E-mail: info@unesco.org			
Web: <u>www.iho.int</u>	Web: <u>http://ioc-unesco.org/</u>			

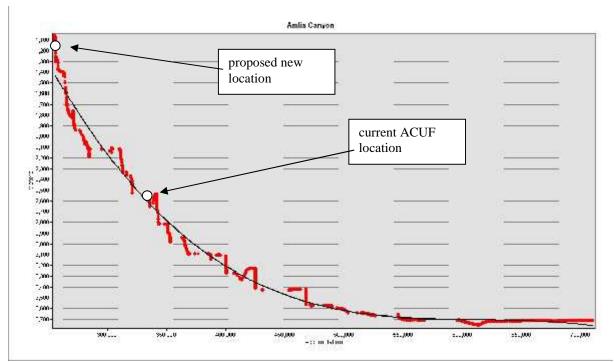


Figure 1. Plot of depth and accumulation of raster cells along main thalweg path, with fitted curve.

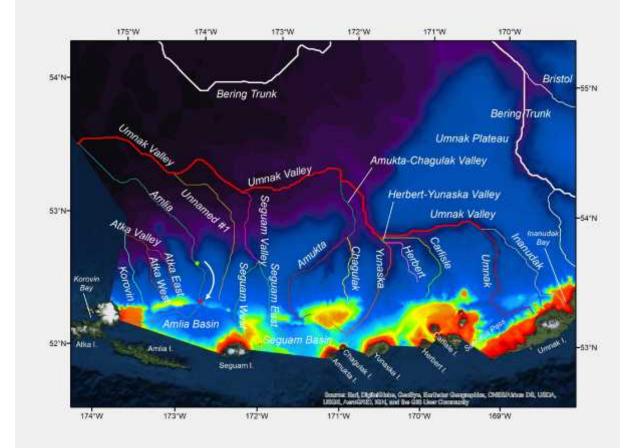


Figure 2. Modified version of Fig 6. (Zimmermann &Prescott, 2018) "Thalwegs of the Umnak Canyon area of the eastern Bering Sea slope" showing proposed location change for Amlia Canyon place name.