

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:	Bering Canyon (revise ACUF and GEBCO location)	Ocean or Sea:	Bering Sea
-----------------------	--	----------------------	------------

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 (1062 m) 54° 19.1'N	Point (1062 m) 166° 20.2'W
	Line Start (40 m) 56° 16.9'N	Line Start (40 m) 160° 48.7'W
	Line Mid1 (1062 m) 54° 19.1'N	Line Mid1 (1062 m) 166° 20.2'W
	Line End (2193 m) 54° 05.0'N	Line End (2193 m) 167° 56.9'W

Feature Description:	Maximum Depth:	2193 m	Steepness :	0.3°
	Minimum Depth :	40 m	Shape :	U/V
	Total Relief :	2153 m	Dimension/Size :	700768 m long/ ~85000 m wide

Associated Features:	Bering canyons
-----------------------------	----------------

Chart/Map References:	Shown Named on Map/Chart:	US Bathy Chart AKUTAN –NN 3-3
	Shown Unnamed on Map/Chart:	US Nav. Chart 16011
	Within Area of Map/Chart:	

Reason for Choice of Name (if a person, state how associated with the feature to be named):	Bering Canyon is recognized by GEBCO and ACUF, but farther to the west, after Bogoslof Canyon has merged with it, and at the place where our Ashishik Canyon joins it (both near Bogoslof Island). Thus we suggest moving the Bering Canyon name upstream, to the east. We suggest that the downstream portion be called Bering Valley.
--	---

Discovery Facts:	Discovery Date:	Listed in GEBCO and ACUF Gazetteers but accompanying information is not provided.
	Discoverer (Individual, Ship):	See GEBCO

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. 7 (please see below). Harris et al. (2014): the western part of this feature is 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: 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/
--	--

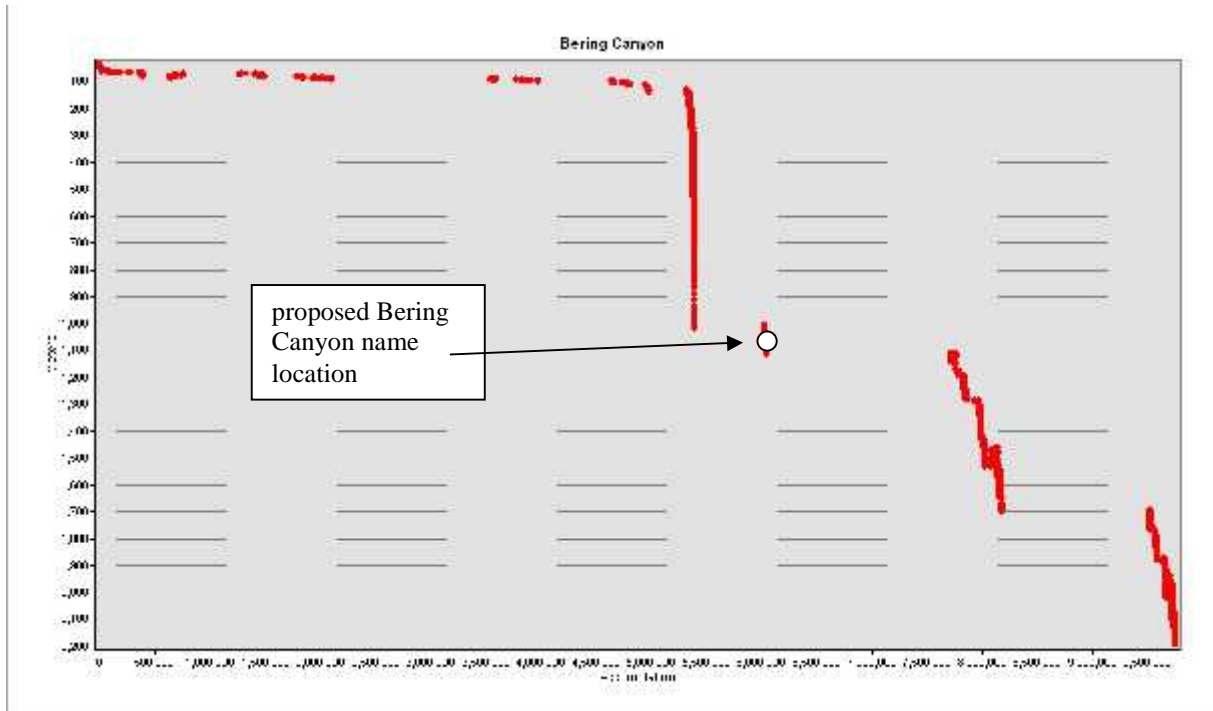


Figure 1. Plot of depth and accumulation of raster cells along main thalweg path.

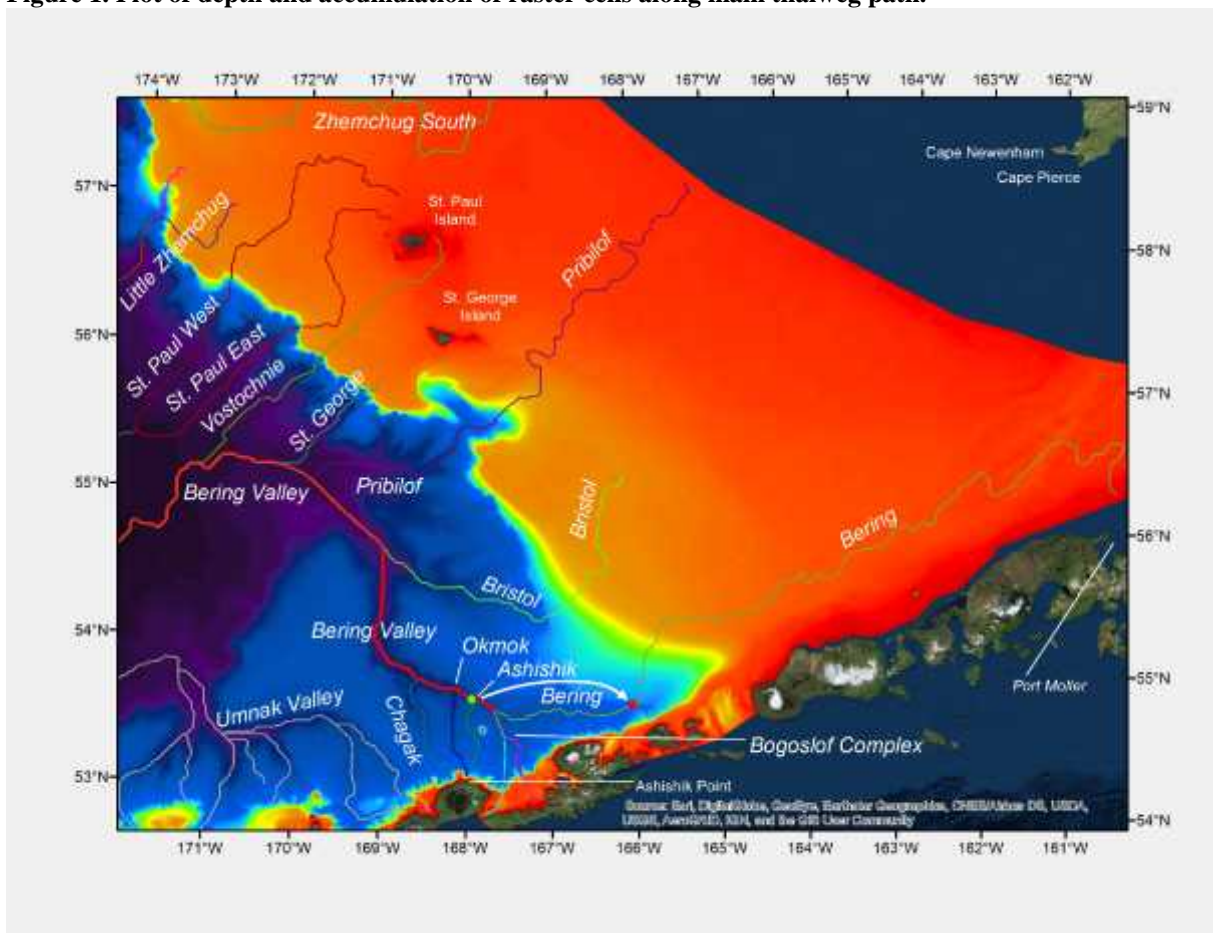


Figure 2. Modified version of Fig 7. (Zimmermann & Prescott, 2018) “Thalwegs of the Bering Canyon area of the eastern Bering Sea slope” showing proposed shift of Bering Canyon place name, away from Bering Valley and away from the end of our Ashishik Canyon.