

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:	Saint George Canyon (revise ACUF location and feature)	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 (714 m) 56° 04.9'N	Point (714 m) 170° 23.4'W
	Line Start (128 m) 56° 07.9'N	Line Start (128 m) 170° 16.0'W
	Line Mid1 (714 m) 56° 04.9'N	Line Mid1 (714 m) 170° 23.4'W
	Line Mid2 (3351 m) 55° 28.4'N	Line Mid2 (3351 m) 170° 58.9'W
	Line End (3352 m) 55° 26.1'N	Line End (3352 m) 171° 14.0'W

Feature Description:	Maximum Depth:	3352 m	Steepness :	2.6°
	Minimum Depth :	128 m	Shape :	U/V
	Total Relief :	3225 m	Dimension/Size :	110852 m long/ ~25000 m wide

Associated Features:	Bering canyons, Pribilof Island area canyons
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Chart/Map References:	Shown Named on Map/Chart:	
	Shown Unnamed on Map/Chart:	US Nav. Chart 16011 (mostly obscured by caution notes)
	Within Area of Map/Chart:	

Reason for Choice of Name (if a person, state how associated with the feature to be named):	Our proposed canyon is not recognized by GEBCO or ACUF. ACUF recognizes a different St. George Canyon but it leads to St. Paul Island. ACUF's St. George Canyon is about 81000 m to the NW of our proposed canyon, which shows a direct connection to the nearby St. George Island.
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Discovery Facts:	Discovery Date:	2018
	Discoverer (Individual, Ship):	2018

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
	Concurrer (name, e-mail, organization and address):	
Remarks:	Zimmermann and Prescott (2018): shown in Fig. 7 (please see below). Harris et al. (2014): recognized as part of shelf incising canyon C8805. Harris and Whiteway (2011): recognized as unnamed canyon having two thalwegs. Our proposed name location is near tip of their southern thalweg.	

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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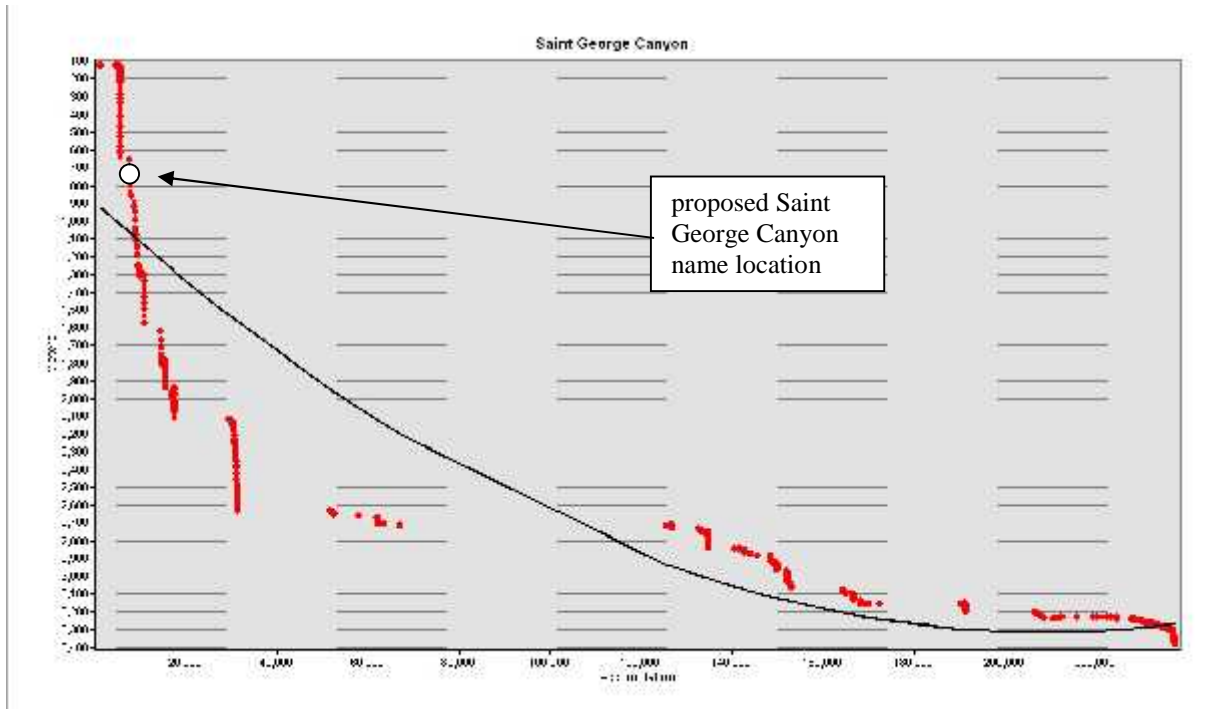


Figure 1. Plot of depth and accumulation of raster cells along main thalweg path, with fitted curve.

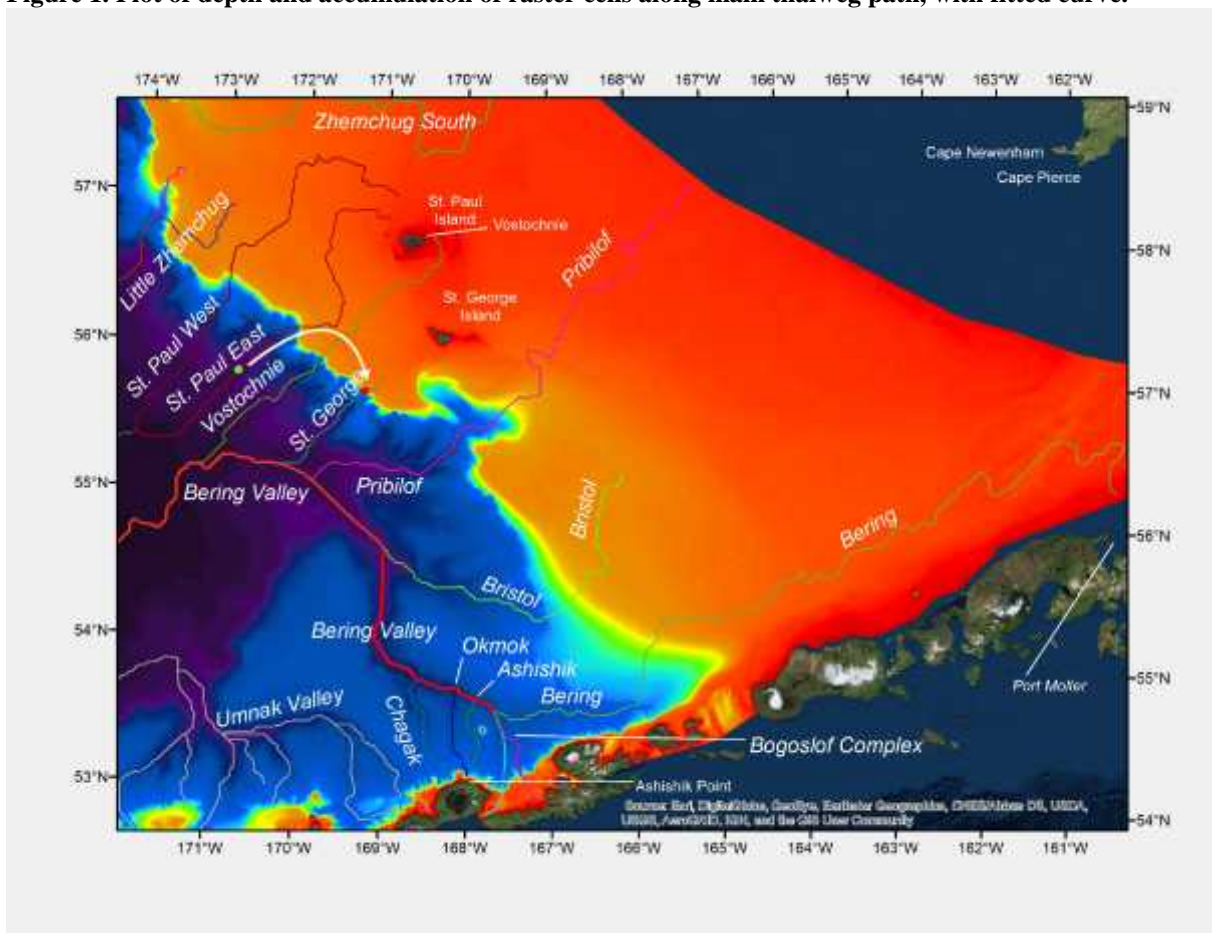


Figure 2. Modified version of Fig 7. (Zimmermann & Prescott, 2018) “Thalwegs of the Bering Canyon area of the eastern Bering Sea slope” showing proposed shift of St. George Canyon place name. ACUF (but not GEBCO) recognizes a different St. George Canyon – our St. Paul East – far to the NW of this feature.