

## Report on the Review of the Unnamed Seamount in the Central Pacific Ocean.

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### 1. Background.

A group of 73 seamounts located at the Pacific Ocean were pointed as unnamed. A list with coordinates and general morphological description of those seamounts were submitted to SCUFN as is referred in the document SCUFN 19-10.1A.

The corresponding verification of positioning and dimensions of each seamount, as well as which one of them are already named, was carried out and the results were reported in the document SCUFN21-10.1A.

The review and naming task for the remaining unnamed seamounts consequently was assigned.

### 2. Current status.

2.1. The SeamountOnline is an online service information system for seamount biology and provides the link to it sister system, the Seamount catalog web site. A kmz file of seamount was downloaded from there and opened in Google Earth in order to overly it with the kmz file of the Unnamed Seamount in the Central Pacific Ocean. Thus was feasible to detect the seamounts already named, and as well as, those with multiple identification. The list bellow shows the comparison results.

UNSCPO #	LAT	LONG	Seamount catalog name	Comments
5	45° 28' 37.25"S	157° 38' 47.40"W	Unnamed Shirshov 4	Not at B-8
26	24° 58' 39.68"S	98° 13' 12.16"W	Pillar /Stolboyava Smt	Not at B-8. Donatello Seamount will be proposed at SCUFN25.
27	24° 53' 15.58"S	97° 40' 2.90"W	Cupole Smt.	Not at B-8
28	26° 0' 47.27"S	100° 39' 43.11"W	Rock Smt.	Not at B-8
31	24° 40' 16.00"S	85° 26' 6.00"W	Albert Smt.	Not at B-8. Altair Guyot was proposed at SCUFN 24
32	23° 59' 36.29"S	84° 42' 33.20"W	Nasca #5 Smt.	Not at B-8. Evrika Seamount was proposed at SCUFN 24
33 and 15	25° 11' 36.99"S	100° 52' 36.56"W	Needle /Igohaya Smt.	Not at B-8
52	13° 27' 6.45"N	119° 50' 31.70"W	Dowd Guyot	Included in B-8 /One of the Acapulco Smts, also in B-8.

2.2. Dr. Ksenia Dobrolyubova from Geological Institute of the Russian Academy of Sciences (GINRAS) informed on the coordinates of 12 seamounts in the Pacific Ocean, where GINRAS have data and the purpose of submitting their corresponding names to SCUFN.

The following table shows the result obtained of the comparison between GINRAS's list, the list referred in the document SCUFN 19-10.1A and the Seamount Catalog data base.

GINRAS Seamount #	LAT	LONG	SCUFN 19-10.1A UNSCPO #	Seamount Catalog name
1	67° 38' 3.98" S	165° 42' 7.99" W	1	
2	45° 21' 12.99" S	155° 18' 51.01" W	close to 23	
3	45° 51' 2.98" S	156° 42' 15.01" W	close to 3 -22	
4	45° 21' 48.99" S	155° 18' 47.98" W	close to 23	
5	45° 35' 43.00" S	157° 52' 9.98" W	close to 5	Unnamed Shirshov 4 Smt.
6	35° 25' 10.99" S	116° 55' 46.99" W	close to 6	
7	45° 24' 14.00" S	117° 21' 44.99" W	No seamount	
8	35° 21' S	118° 6' 11.98" W	8	
9	34° 58' 1.99" S	118° 32' 33" W	44-9	
10	35° 0' 47.9" S	120° 53' 45.99" W	close to 41	
11	26° 51' 7.99" S	107° 33' 38.98" W	There is not an UNSCPO at this position	
12	26° 38' 0.99" S	106° 19' 56.99" W	close to 12	

2.3. Names proposals for 4 seamounts located at the South Pacific Ocean were submitted by GINRAS during the last SCUFN 24. A twice naming was detected at # 31 and # 32 seamount. The table shows the UNSCPO named by means GINRAS proposals.

SCUFN 24 GINRAS PROPOSALS	LAT	LONG	UNSCPO N°	Seamount Catalog name
EVRIKA Seamount	23°57.00'S	084°43.00'W	32	Nazca # 5 Seamount
ALTAIR Guyot	24°37.00'S	085°29.00'W	31	Albert Seamount
ARGUS Seamount	43°20.00'S	097°57.00'W	16	
MUKSUN Seamount	36°09.00'S	125°16.00'W	38 and 40	

### 3. Conclusions.

After crossing information from SeamountsOnline, Seamount Catalog and SCUFN the 73 coordinates initially reported as Unnamed Seamount in the Central Pacific Ocean include 10 already named, 4 unnamed seamounts with same coordinates, 4 coordinates without seamounts, and 1 with invalid longitude.

#### References:

- SCUFN 19-10.1A
- SCUFN 21-10.1A
- B-8 IOC/IHO GEBCO Gazetteer, August 2011.
- Stocks, K. 2009. SeamountsOnline: an online information system for seamount biology.
- Version 2009-1. [www.seamounts.sdsc.edu](http://www.seamounts.sdsc.edu)
- Seamount Catalog: <http://earthref.org/SC/>