INTERNATIONAL HYDROGRAPHIC ORGANIZATION | **INTERNATIONAL OCEANOGRAPHIC COMMISSION (of UNESCO)**

UNDERSEA FEATURE NAME PROPOSAL

Ocean or Sea: East Sea **Name Proposed**: Usan Trough

Coordinates: A – of midpoint or summit: Lat. 38° 10.5′N Long. 130° 40.5′E

70 kilometres in N direction from Ulleung Do (‘*Do*’ means island)

B – extremities (if linear feature):

Lat. 37° 39′N
Long. 130° 51′E
to
Lat. 38° 35′N
Long. 130° 34′E

Description (kind of feature): Trough

Identifying or categorizing characteristics (shape, dimensions, total relief, least depth, steepness, etc.):
Usan Trough is an elongated depression characterized by a flat bottom with steep sides. This feature is located in the central part of the Korea Plateau, and divides it into two terrains: Gangwon Plateau and Ulleung Plateau. The trough varies in width from 10 to 20 km and the depth from 2,000 to 2,900 m. Presented here are data 105 km of the trough, although the trough probably extends significantly further to the NNW.

Associated features:

Chart reference:

Shown with name on chart No. 102A (scale 1:0.75 mln), No. 138 (1:0.5 mln) and No. B4623(Bathymatric chart, 1:0.5mln) published by Korea

Shown but not named on chart No. _____

Not shown but within area covered by chart No. _____

Reason for choice of name (if a person, state how associated with the feature to be named):
The name ‘Usan’ is originated from the name of an ancient country founded in Ulleung Do before the 5th century. Usan is the ancient name of Ulleung-do prior to the 5th century AD.

Discovery facts:

Date: Apr. ~ Jun. 1997 **by** (individuals or ship): Haeyang 2000

By means of (equipment): Multi-Beam Echosounder (SeaBeam 2100)

Navigation used: DGPS (Trimble DGPS 4000DS)

Estimated positional accuracy in nautical miles: ± 0.0027 miles

Description of survey (track spacing, line crossings, grid network, etc.):

The line spacing of survey tracks was less than 2 km in order to ensure 100 % coverage of our multi-beam system.

Nature and repository of other survey activities (dredge samples, cores, magnetics, gravity, photographs, etc.):

Gravity and magnetic surveys were also conducted.

Supporting material (enclose, if possible, a sketch map of the survey area, profiles of the features, etc., with reference to prior publication, if any):

See attached bathymetric maps, 3-D image maps, and survey track chart.

Submitted by: The Korea Committee on Marine Geographical Names, Republic of Korea

Date: June 08, 2007

Address: 1-17, 7-ga Hang-dong, Jung-gu, Incheon, 400-800, Republic of Korea

Tel : +82 32 885 3825

Fax : +82 32 885 3088

Concurred in by (if applicable):

National Authority (if any): National Oceanographic Research Institute

Address: 1-17, 7-ga Hang-dong, Jung-gu, Incheon, 400-800, Republic of Korea

Tel : +82 32 885 3825

Fax : +82 32 885 3088

Note: this form should be forwarded, when completed:

a) **If the undersea feature is located in territorial waters** :-

to your "National Authority of Undersea Feature Names" or, if this does not exist or is not known, either to the International Hydrographic Bureau or to the Intergovernmental Oceanographic Commission (see addresses below) ;

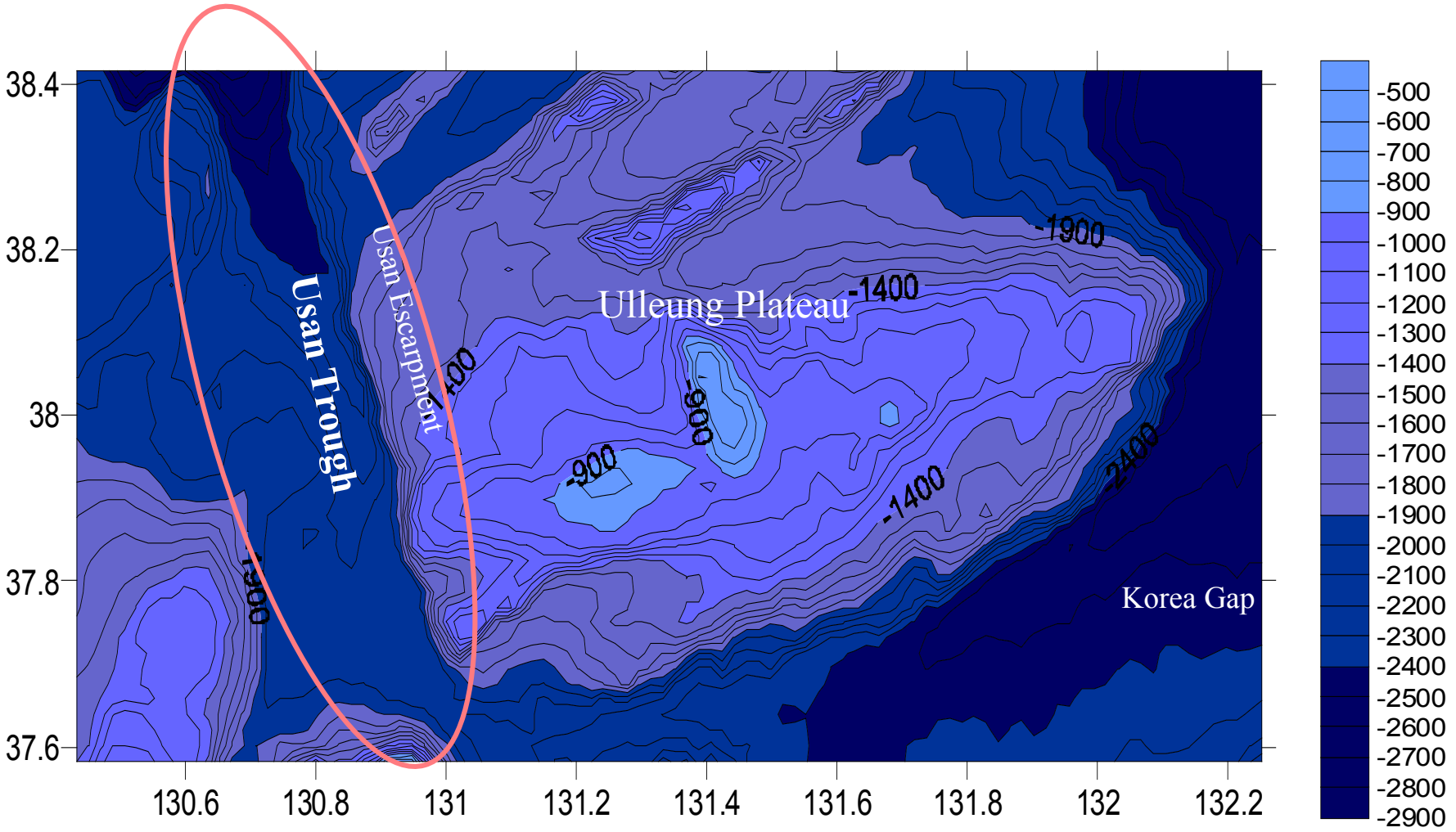
b**) If the undersea feature is located in international waters :-**

to the International Hydrographic Bureau or to the Intergovernmental Oceanographic Commission, at the following addresses :

International Hydrographic Bureau
4, quai Antoine 1er
B.P. 445
MC 98011 MONACO CEDEX
Principality of MONACO
Fax: +377 93 10 81 40
E-mail: info@ihb.mc

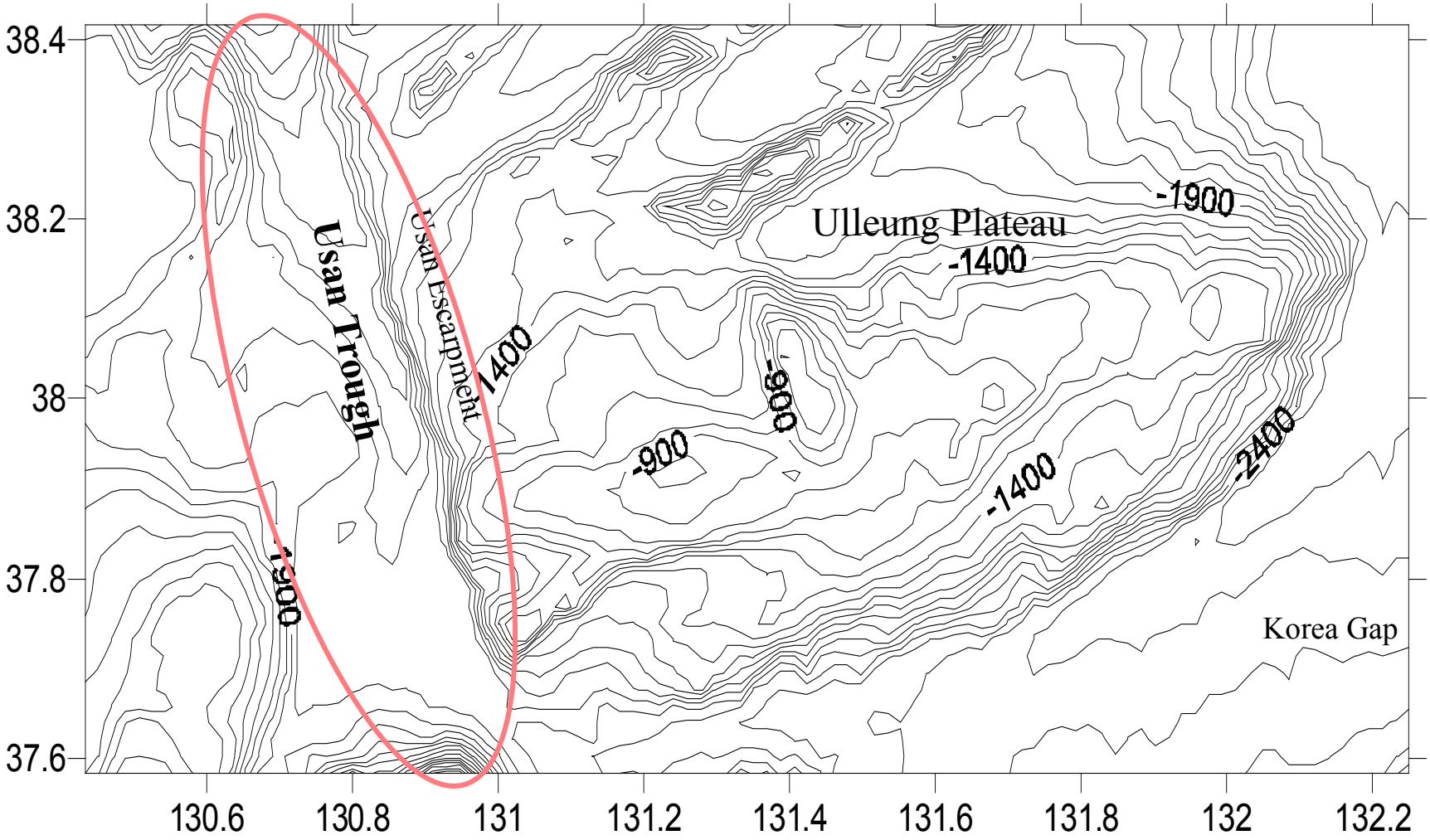
Intergovernmental Oceanographic Commission
UNESCO
Place de Fontenoy
75700 PARIS
FRANCE
Fax: +33 1 45 68 58 12
E-mail: info@unesco.org

Usan Trough



Bathymetric contour Map of Usan Trough (Contour interval : 100 m)

Usan Trough



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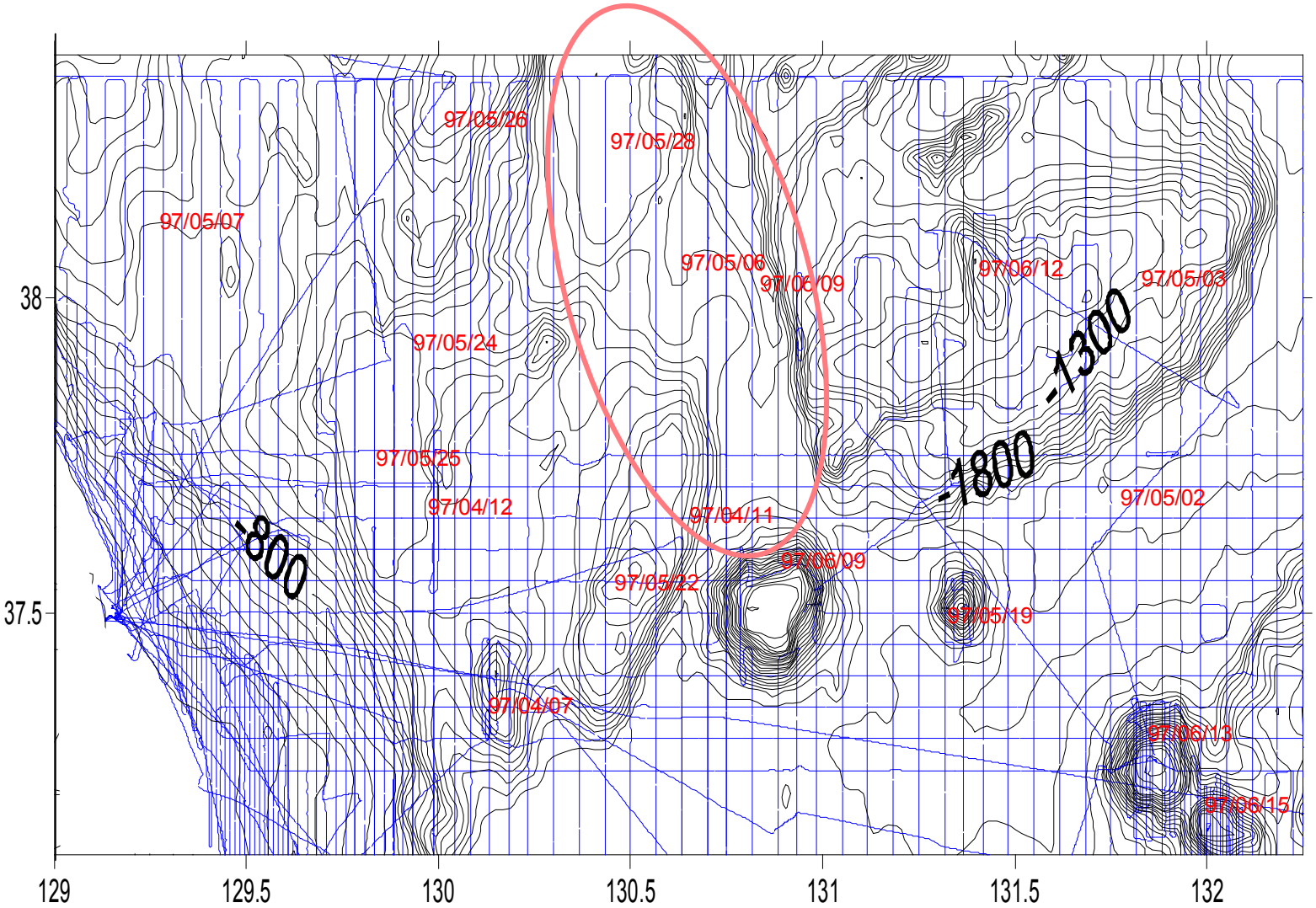


The track lines and date in survey area

Usan Trough

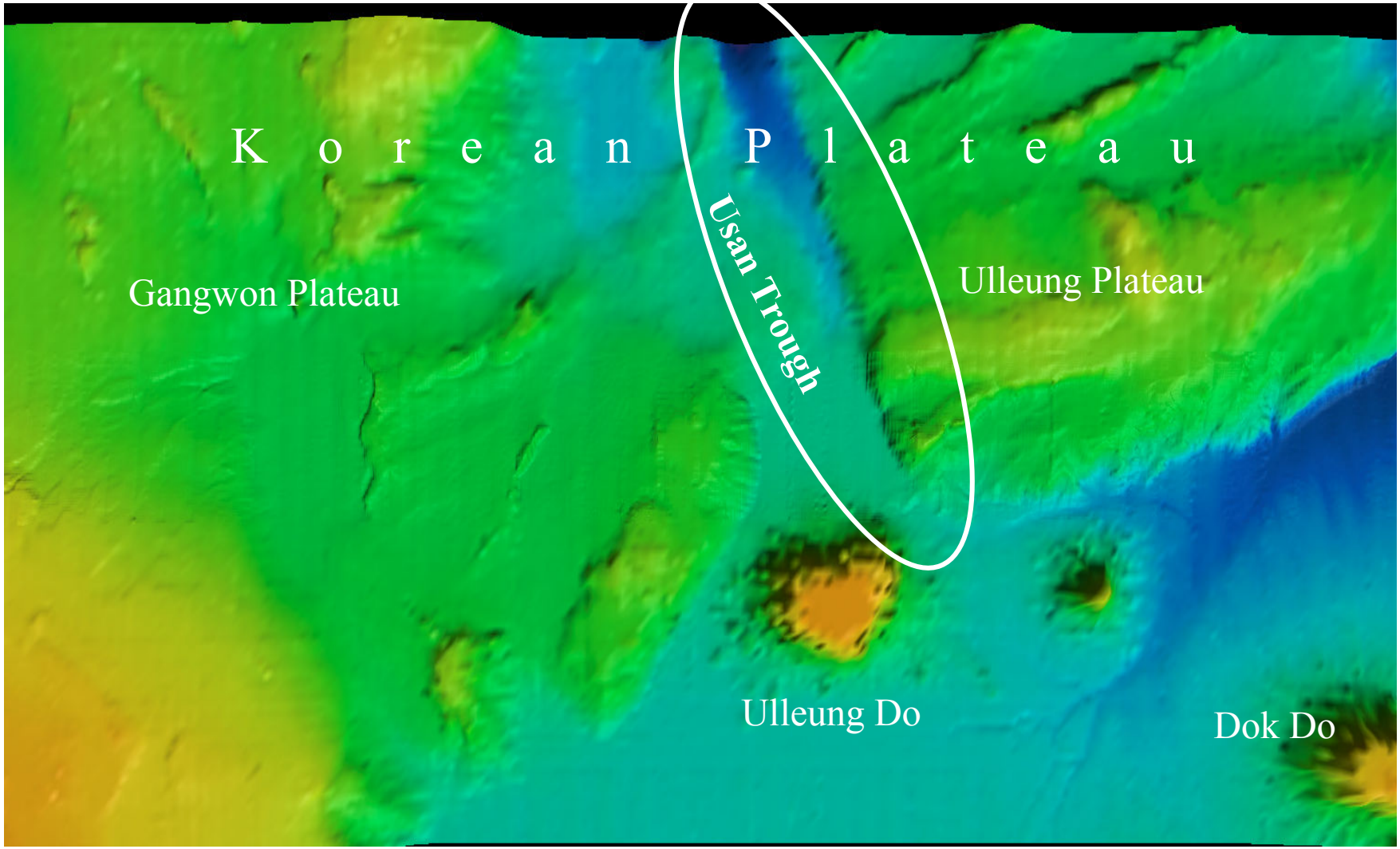
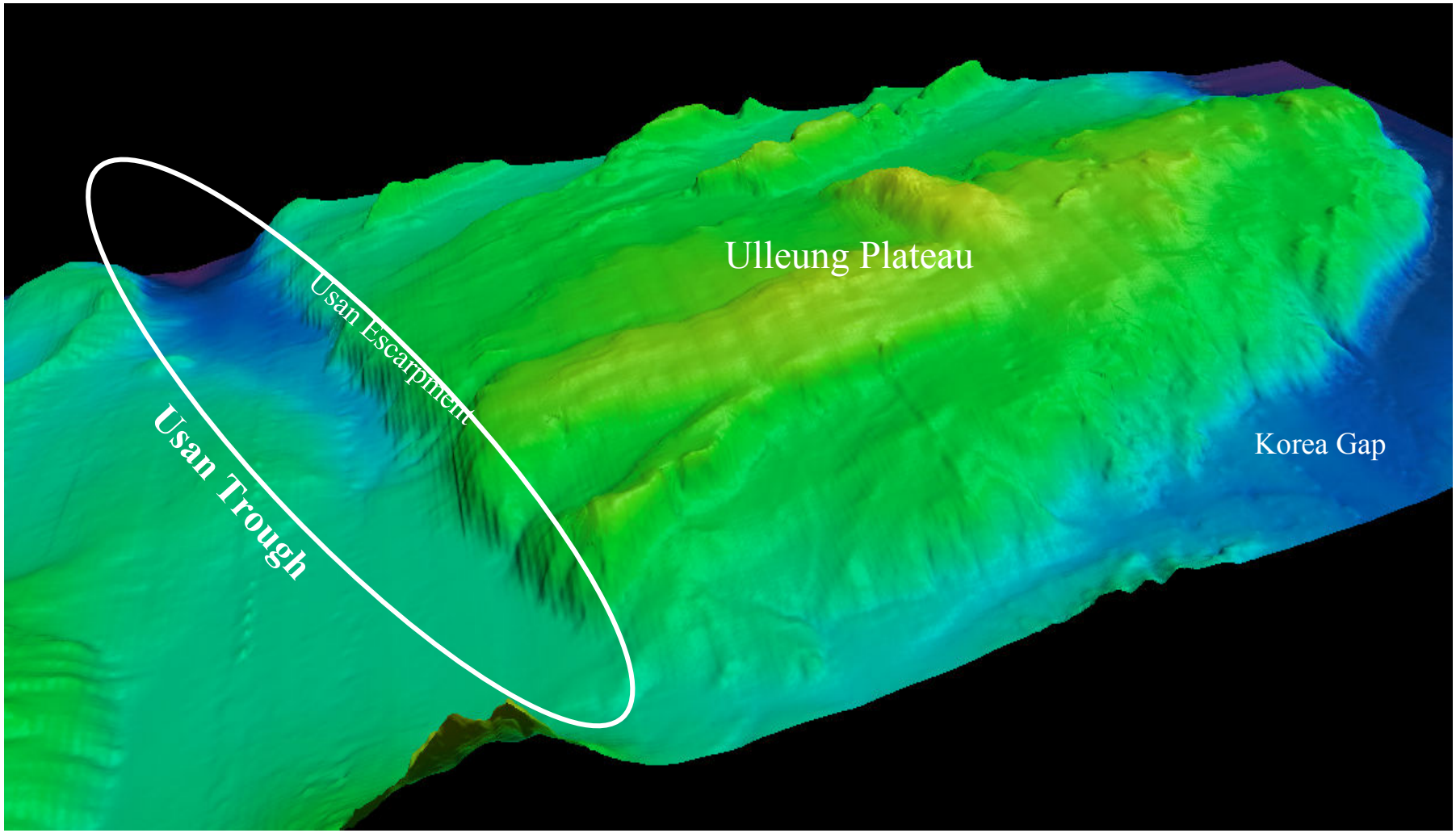


Image Map of Usan Trough

Usan Trough



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Usan Trough

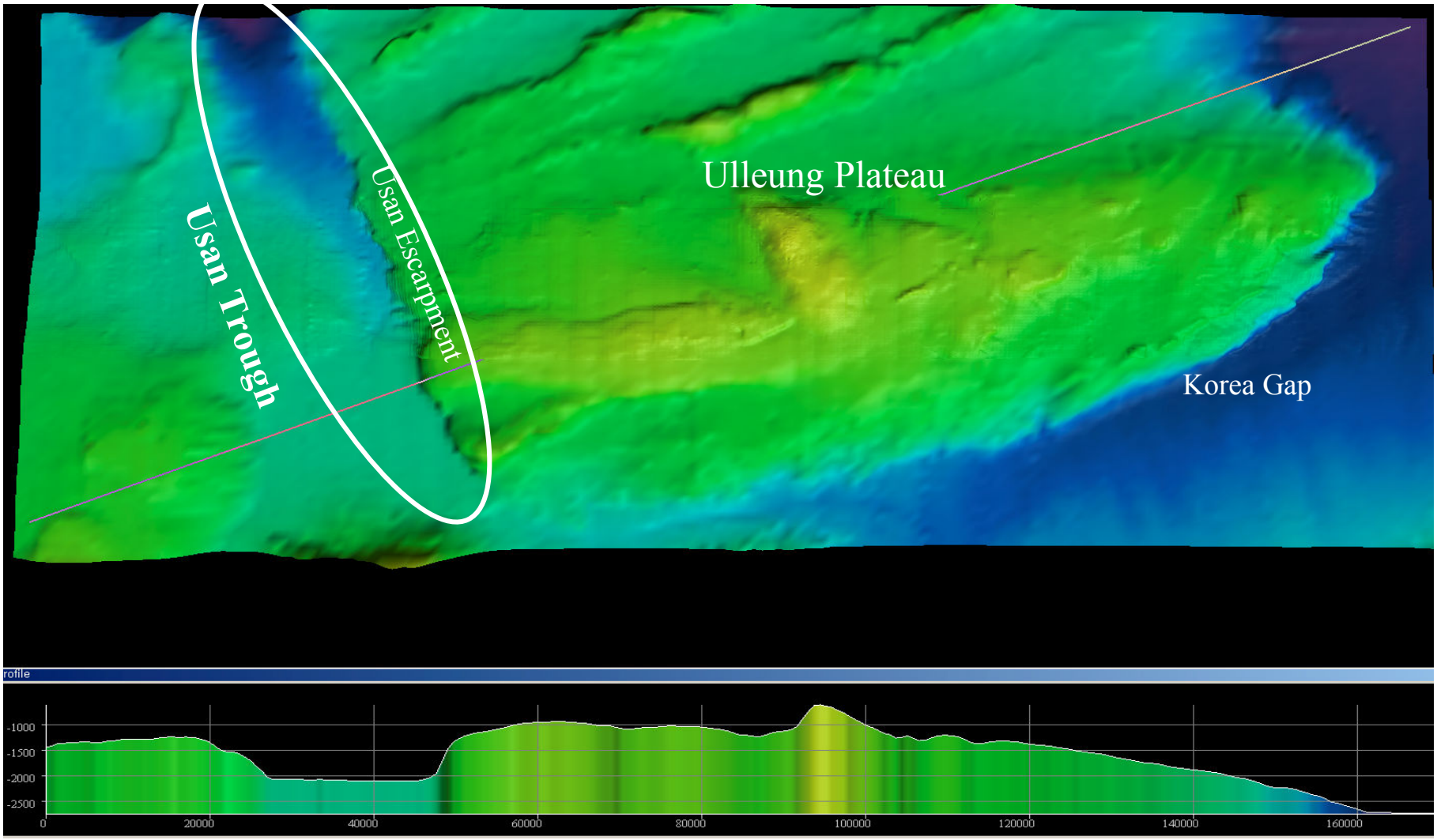

Image Map and Profile at the cross of Usan Trough