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# GEOPHYSICAL ATLAS OF THE SEA OF OKHOTSK

FAR EAST RUSSIA



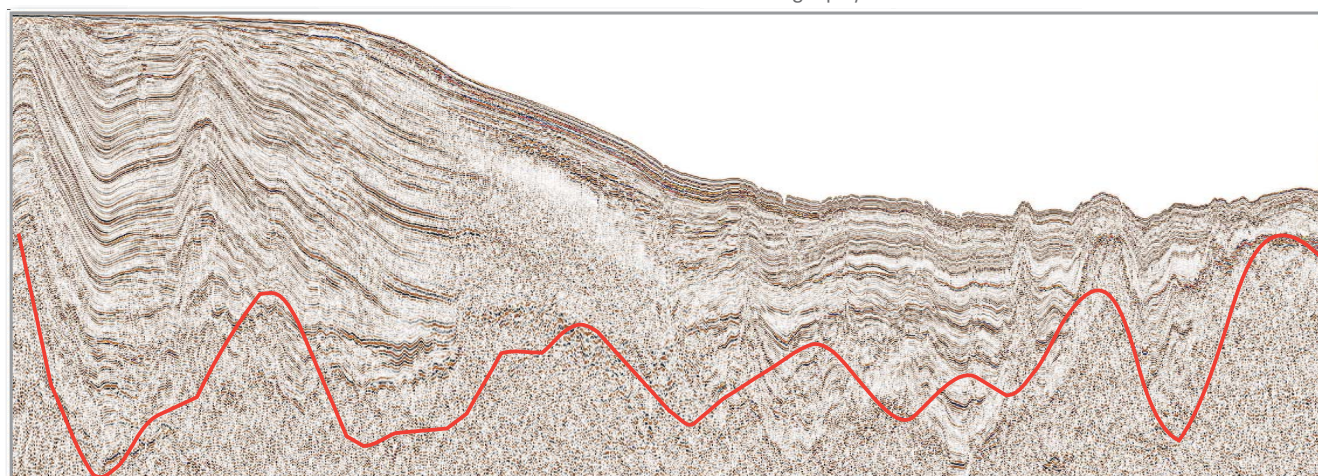
Integrated Seismic, Gravity  
and Magnetic Interpretation

## **GEOPHYSICAL ATLAS OF THE SEA OF OKHOTSK** *Integrated Seismic, Gravity and Magnetic (SGM) Interpretation*

TGS-NOPEC Geophysical Company (TGS) and Volcanic Basin Petroleum Research (VBPR) are proud to announce the *Geophysical Atlas of the Sea of Okhotsk*, an integrated regional study based on the newest available geophysical data and knowledge of the geological development of the Sea of Okhotsk. Audience: Petroleum explorationists working in Far East Russia.



Map showing the study area with interpreted geological provinces



West-east seismic and gravity profile across the Deryugin Basin

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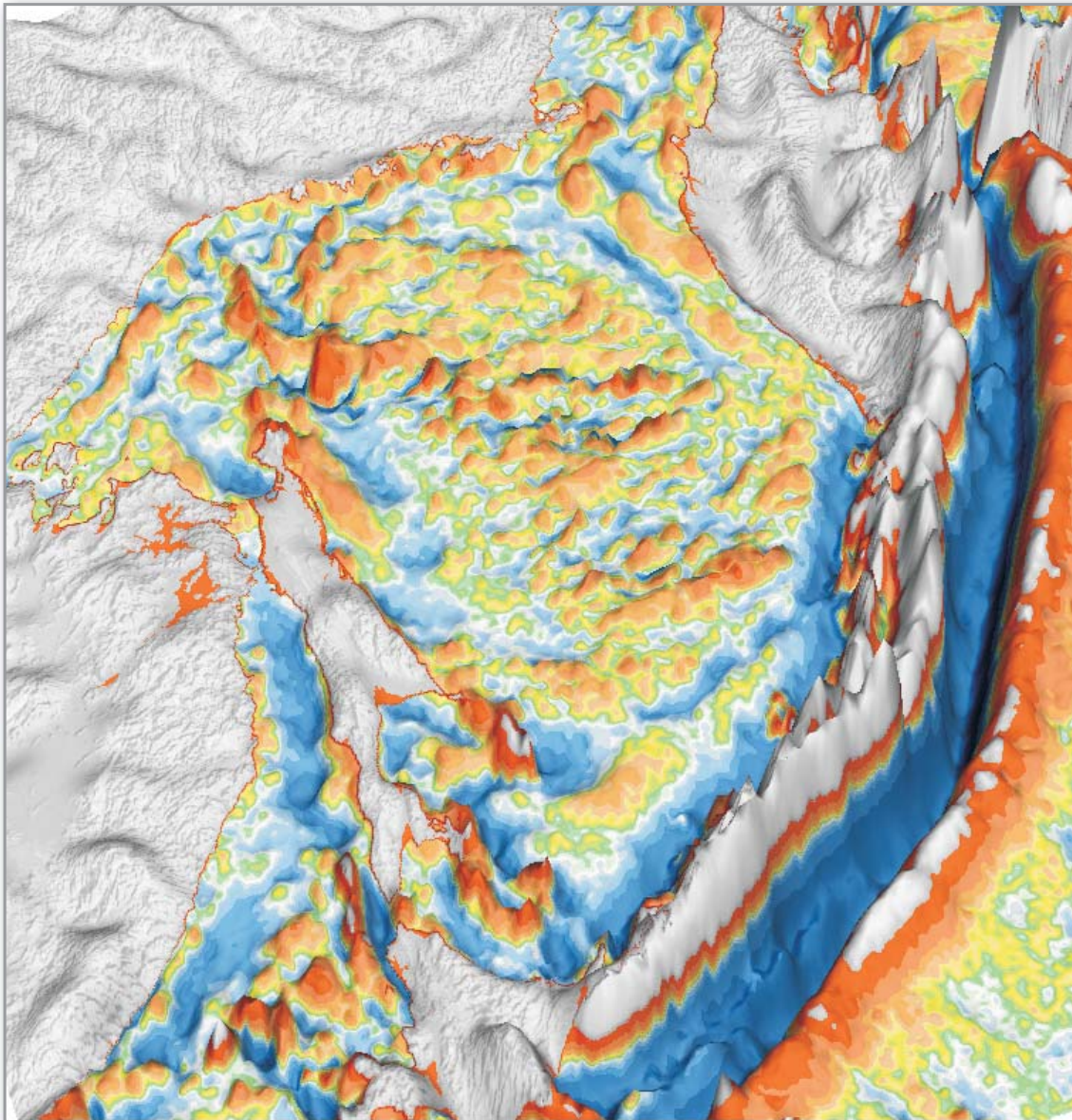
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*3-D visualization of high-pass filtered Bouguer gravity data*

#### **Integrated SGM method**

- Data specific processing, inversion and interpretation
- Qualitative integrated interpretation in seismic workstation environment
- Case studies and quantitative modeling of key basins and potential field anomalies

#### **Deliverables**

- Report in A3 paper/PDF format
  - ArcGIS files
- Available by Q2, 2006

#### **Data Base**

- Satellite gravity
- Shipboard bathymetry
- Regional magnetic data
- Regional grid of seismic data
- Culture

**Sverre Planke**

VBPR

Tel +47 2295 8924

Fax +47 2260 4427

planke@vbpr.no

**Erling Frantzen**

TGS (Norway)

Tel +47 3129 2000

Fax +47 3129 2010

erling.frantzen@tgsnopec.no

**Linda Ruubas**

TGS (Houston)

Tel +1 713 860 2164

Fax +1 713 334 3308

lruubas@tgsnopec.com