

**MESOAMERICAN & CARIBBEAN SEA
HYDROGRAPHIC COMMISSION (MACHC)
XXV Meeting, Manzanillo, Colima, Mexico, 10-13 December 2014**

NATIONAL REPORT

GUATEMALA

**Maritime Affairs Directorship
Ministry of Defense**

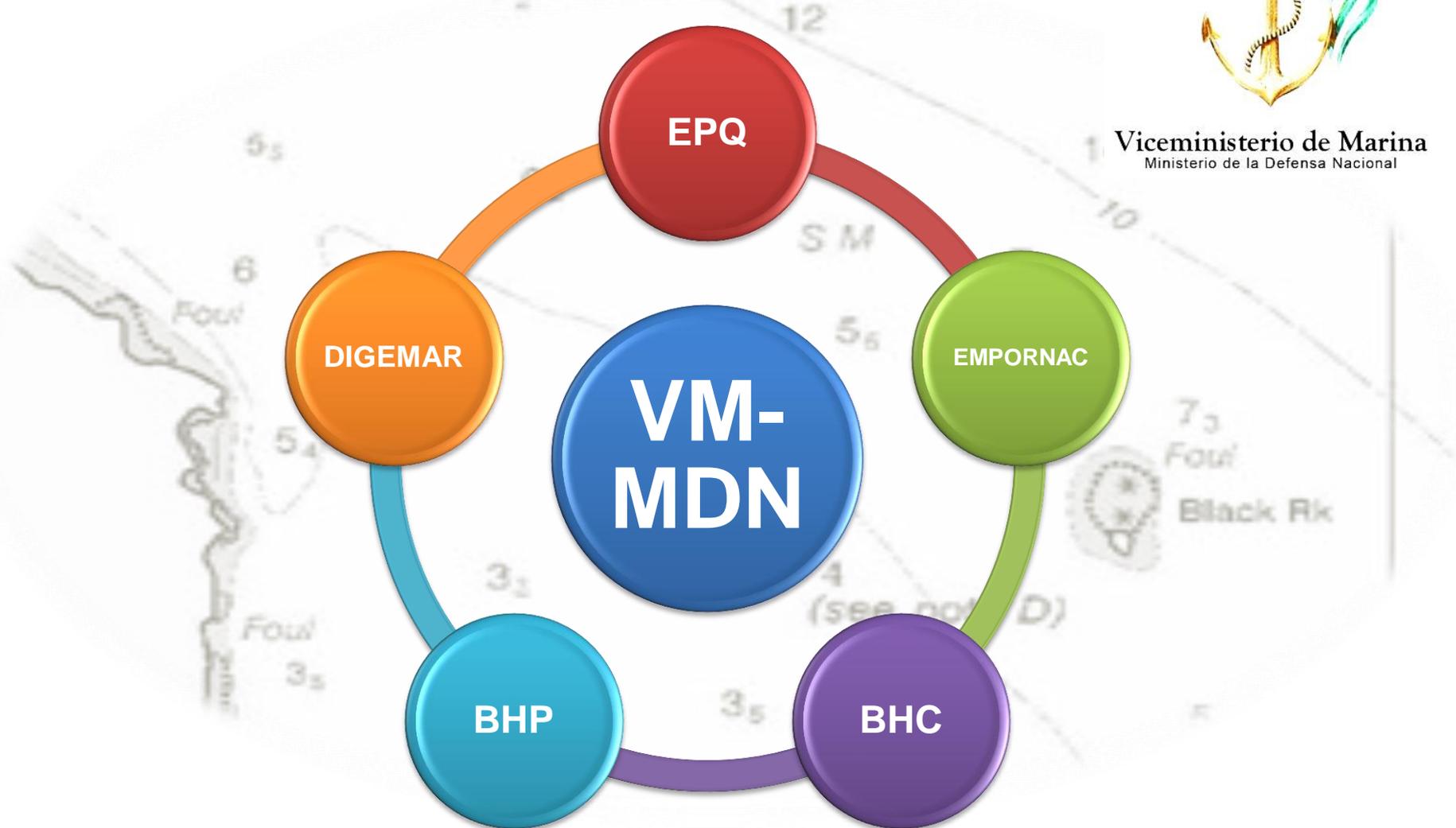
Hydrographic Office / Service:

- Maritime Affairs Directorate – Ministry of Defense
- Maritime Authority of Guatemala





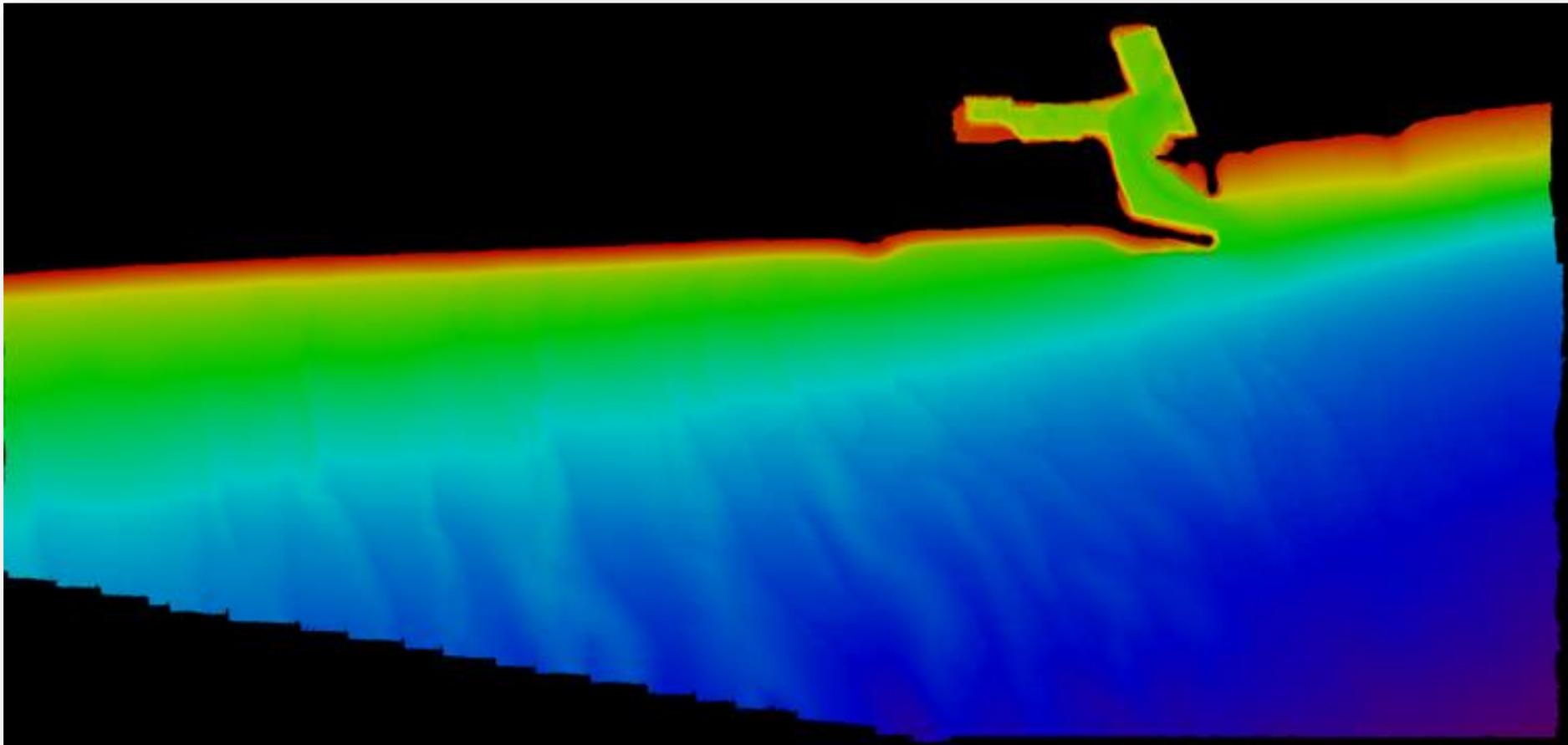
National Hydrographic Scheme



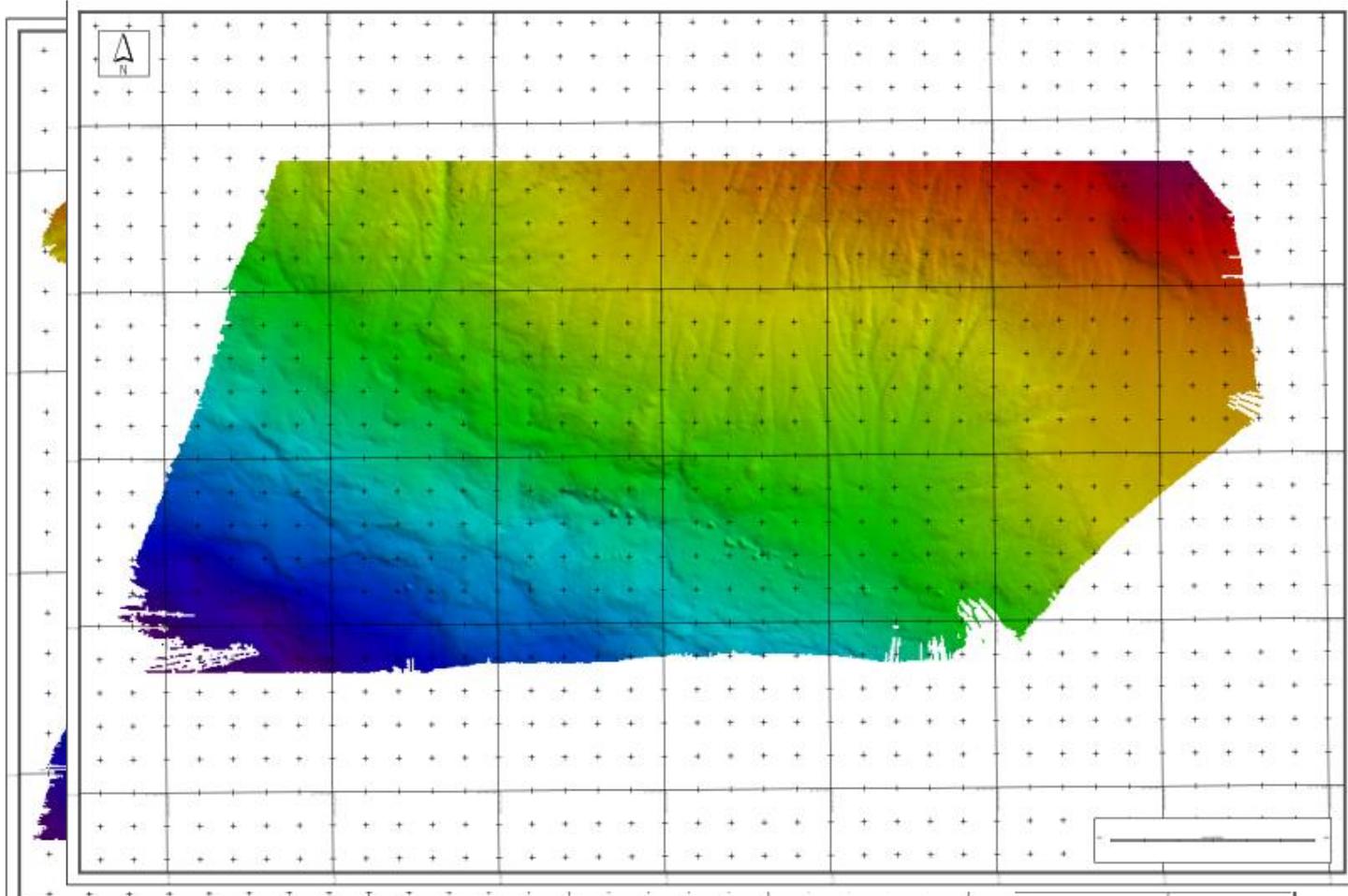
Hydrographic Surveys

- Pacific Coast:

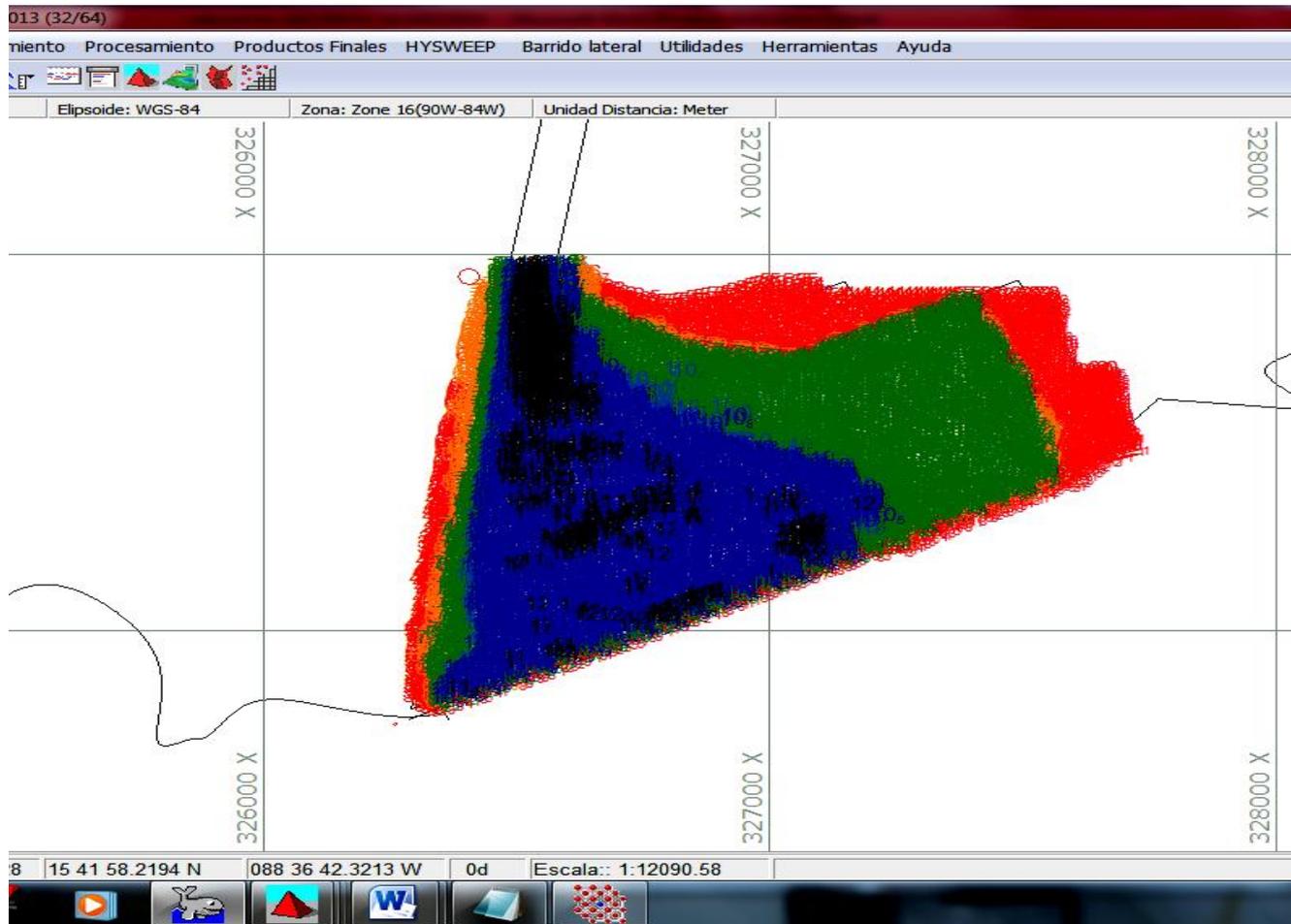
(Approaches to Port Quetzal, docking, shelter and mooring areas)



- RRS James Cook (JC097) Jan-Feb 2014



- Caribbean Coast:
(Approaches to Port Quetzal, docking, shelter and mooring areas)



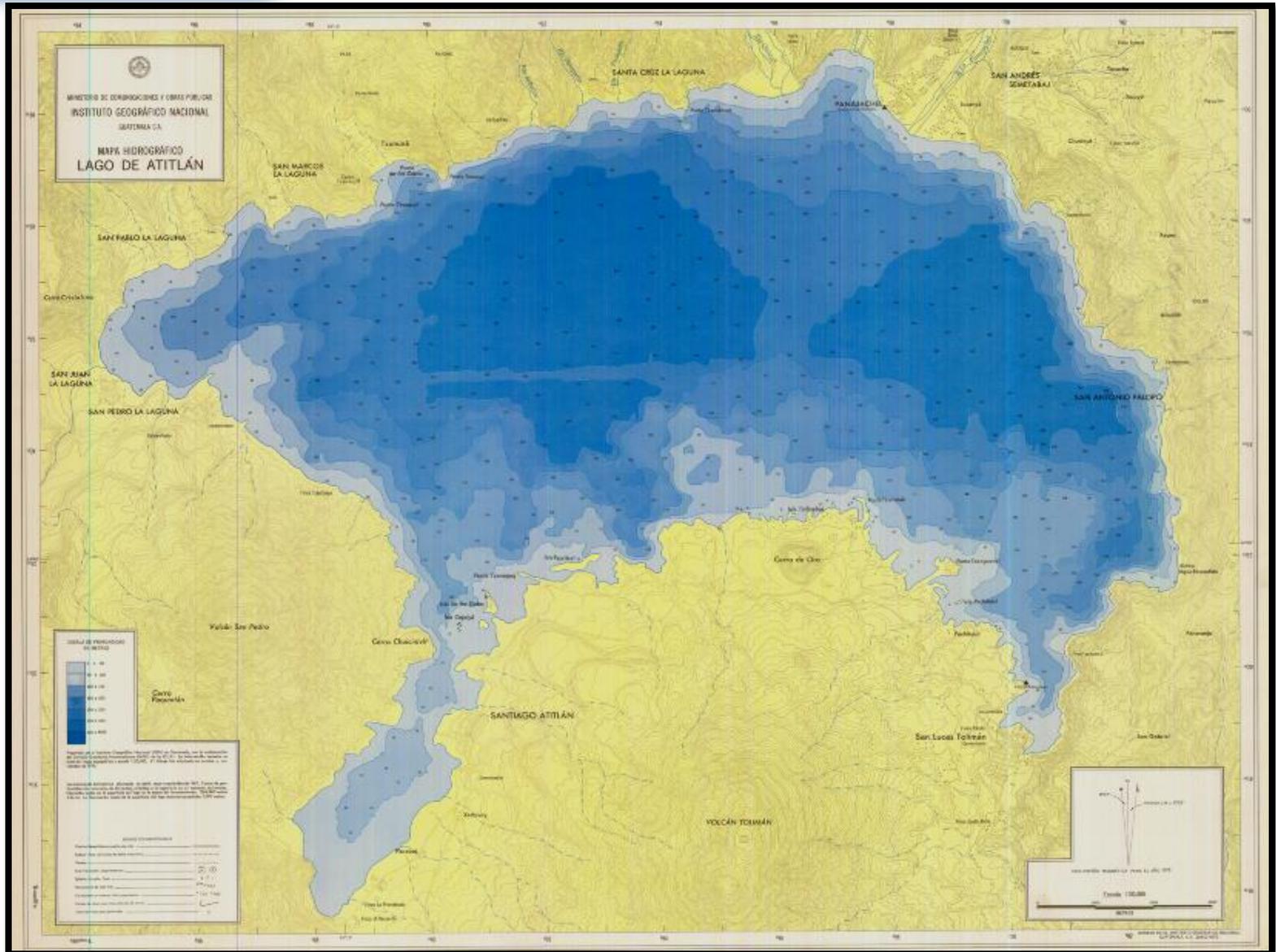
- Lake Atitlán:

Area: 541 km², Max Depth: 327.53 mt, Volume: ~25 km³

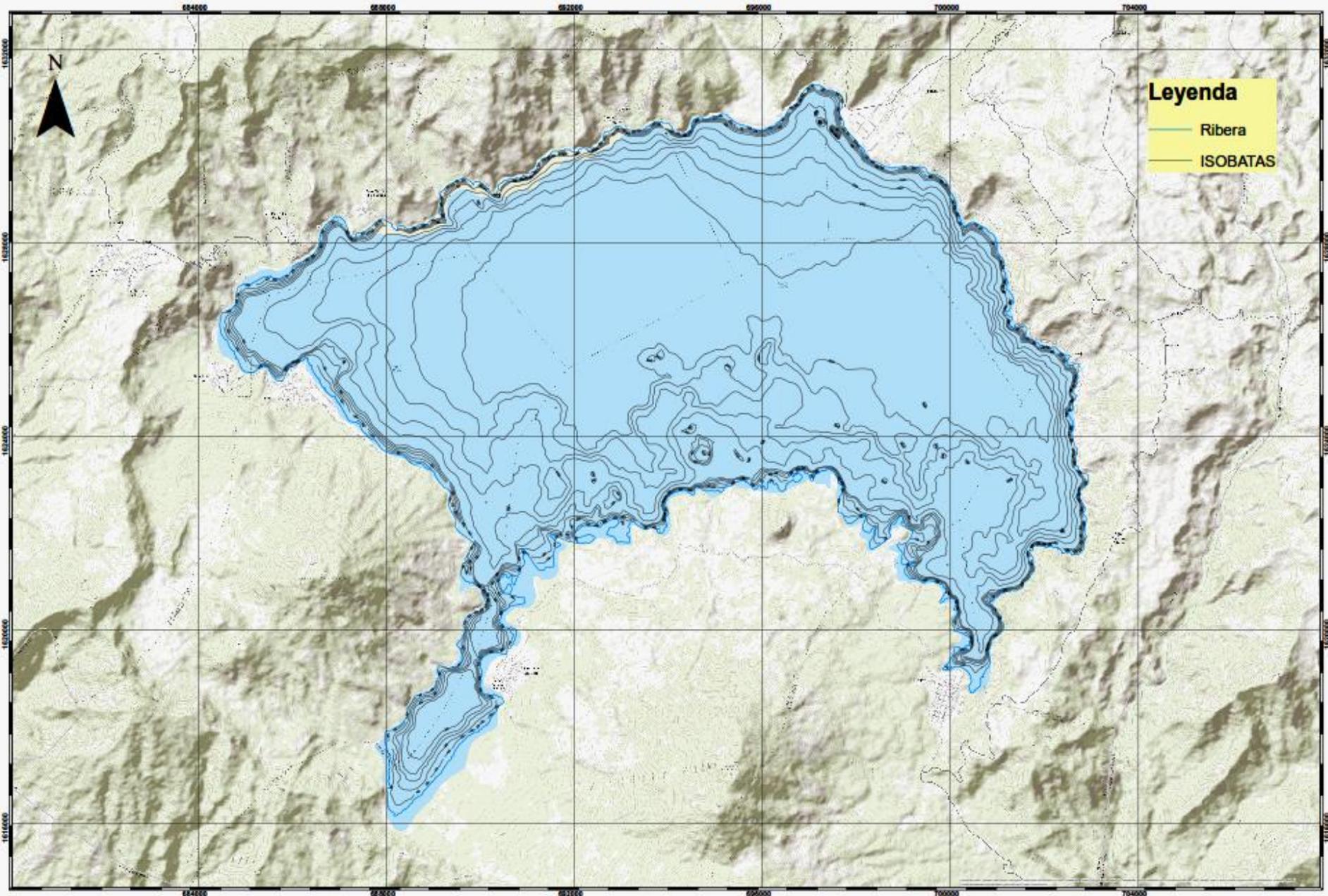


May-June 2014





LAGO ATITLÁN



Leyenda

- Ribera
- ISOBATAS

Escala 1:25000



Coordinate System: UTM Zone 18Q
Projection: Transverse Mercator
Datum: ITRF 1982
False Northing: 1000000.0000
Central Meridian: -90.0000
Scale Factor: 0.9996
Latitude Of Origin: 0.0000
Units: Meter

Capacity Building

- Training needed in the fields of:
Hydrography, Cartography & Oceanography.

- Training received:
Caris Workshop (17-21 Nov, sponsored PAIGH)
Basic Hydrographic Survey (Sep-Oct Nicaragua)



Oceanographic Activities:

JC097 & Lake Atitlan Observations

CTD, SVP, pH, ORP, measurements were collected.





Thank you!!!