



# NATIONAL REPORT COSTA RICA

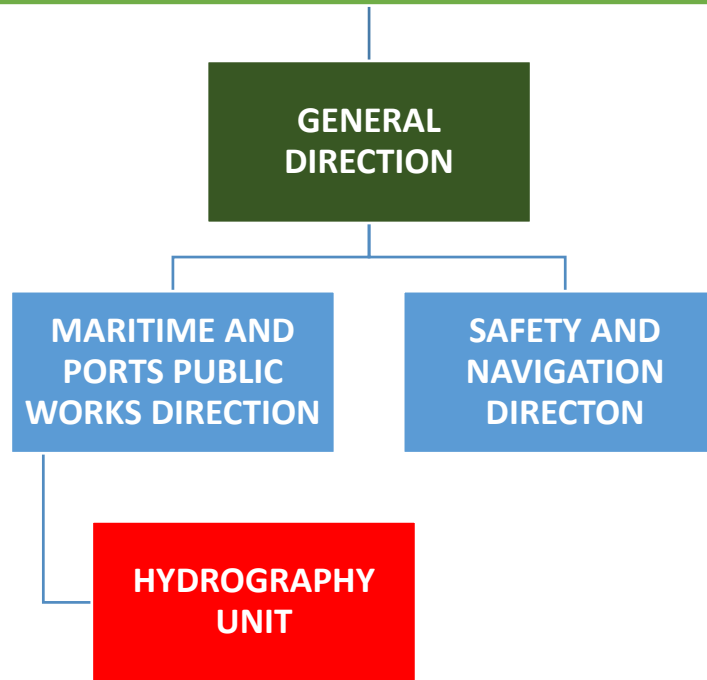


**19<sup>th</sup> MACHC, CARTAGENA, COLOMBIA, NOVEMBER 2018**

**Ing. Miguel Alejandro Artavia Pérez.**

# MINISTRY OF PUBLIC WORKS AND TRANSPORTATION

## PORT AND MARITIME DIVISION





# MAIN STAKEHOLDERS

MINISTRY OF PUBLIC  
WORKS AND  
TRANSPORTATION

TOURISM INSTITUTE

COAST GUARD

CARIBBEAN AND  
PACIFIC PORT  
AUTHORITIES

ENVIRONMENTAL AND  
ENERGY MINISTRY

PUBLIC UNIVERSITIES  
(RESEARCH AND  
SUPPORT)

INSTITUTE OF FISHERIES

PRIVATE DEVELOPERS

NATIONAL  
COMMISSION OF RISKS  
PREVENTION AND  
EMERGENCIES  
ATTENTION



## EQUIPMENT, RESOURCES AND STAFF\*

EQUIPMENT**	PERSONNEL*
ECHO SOUND SINGLE BEAM RESON	3 SURVEYORS
SOUND VELOCITY PROFILER VALEPORT	2 ASSISTANTS
GNSS RTK GRX2 SOKKIA	
RUGGED COMPUTER GETAC X500	
SOFTWARE HYPACK MAX	
SIDE SCAN SONAR MITE	
DUAL FREQUENCY TRANSDUCER RESON 1500 METERS	
TOYOTA HIACE 2016	

\*\* INVESTMENT ON THE ORDER OF USD 100 000 IN THE LAST 4 YEARS.

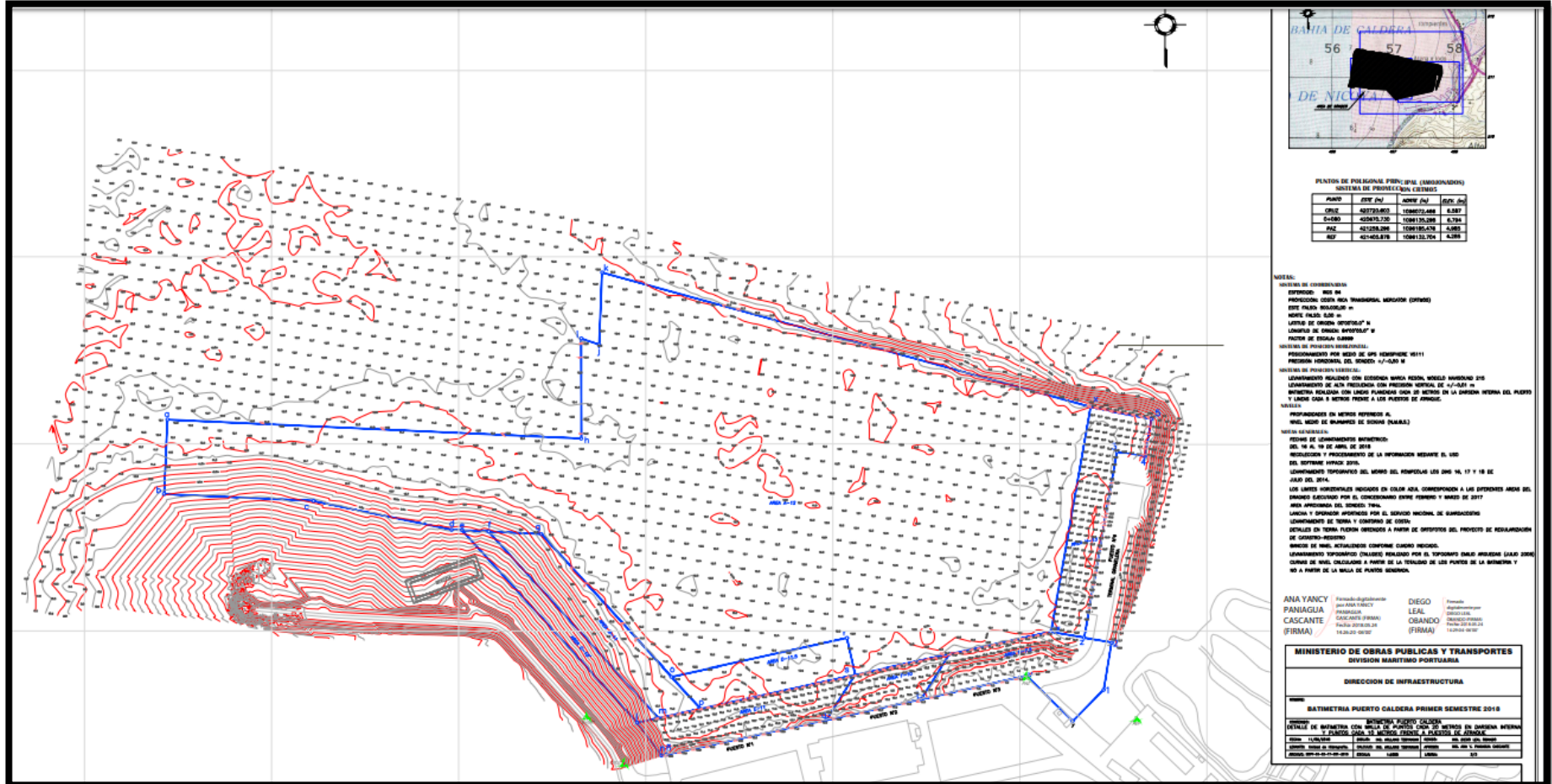


## 2018 Bathymetric Surveys:

- Caldera Port
- Cabotage Terminals
- Moín Port
- Limón Port
- Minor surveys for new infrastructure projects

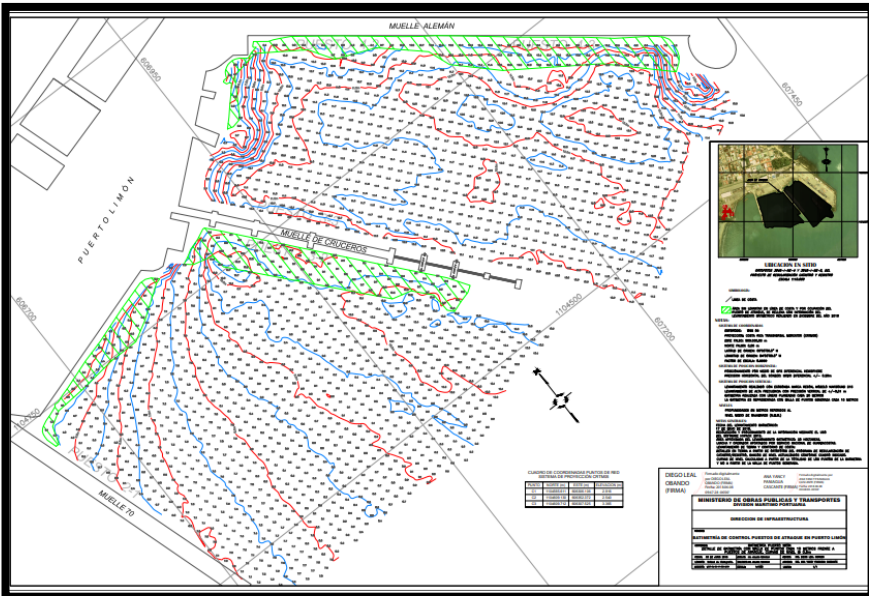


# CALDERA PORT SURVEY (PACIFIC)

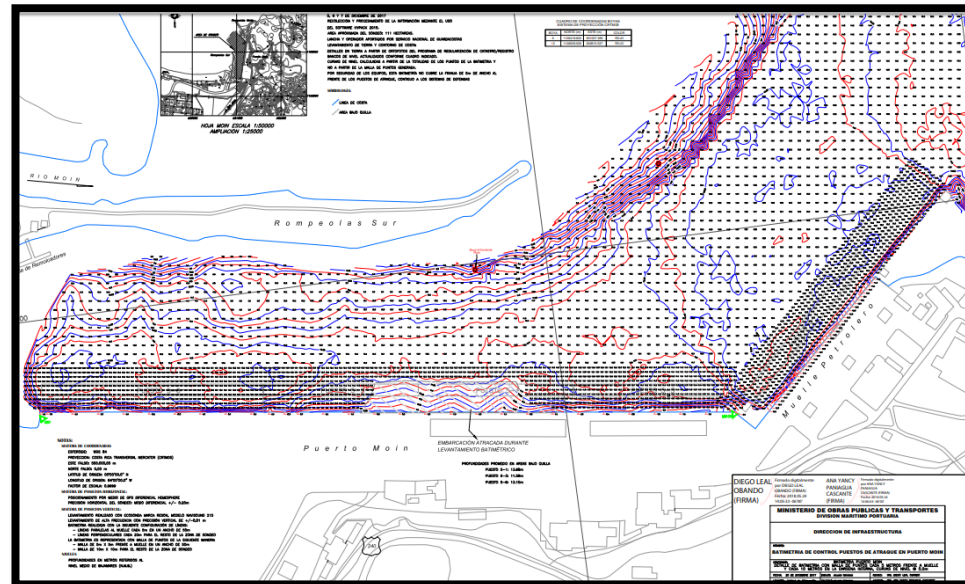




# CARIBBEAN PORTS SURVEYS



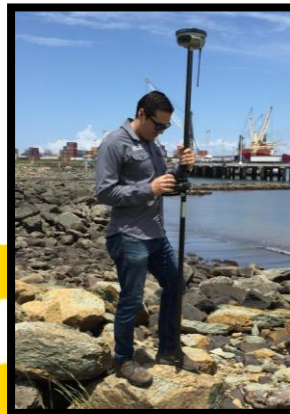
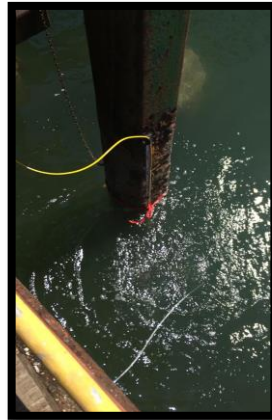
LIMÓN PORT



MOÍN PORT









**TRAINING NEEDED: CADET B.**

**STATUS OF NATIONAL, BILATERAL, MULTILATERAL OR  
REGIONAL DEVELOPMENT PROJECTS WITH  
HYDROGRAPHIC COMPONENT: UKHO BILATERAL  
COOPERATION AGREEMENT UNDER STUDY.**



**¡THANK YOU!  
¡MUCHAS GRACIAS!**