



MEXICO NATIONAL REPORT

SECRETARÍA DE MARINA-ARMADA DE MÉXICO

MESOAMERICAN AND CARIBBEAN SEA
HYDROGRAPHIC COMMISSION

12th Meeting, St. Kitts and Nevis,

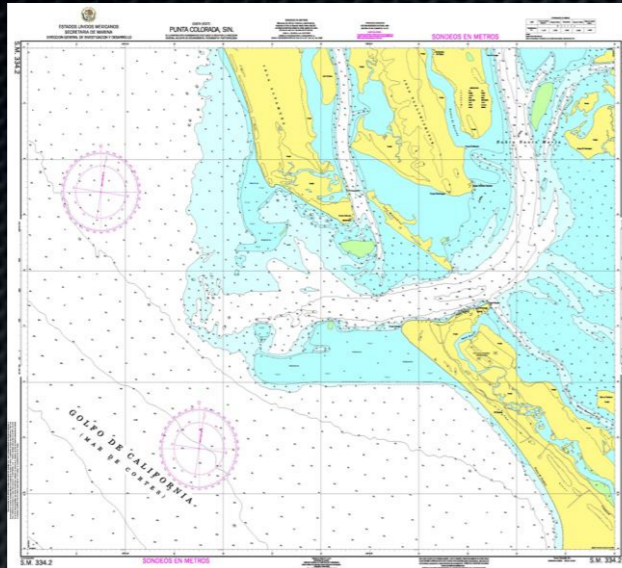
05-09 December 2011

CARTOGRAPHIC PRODUCTION

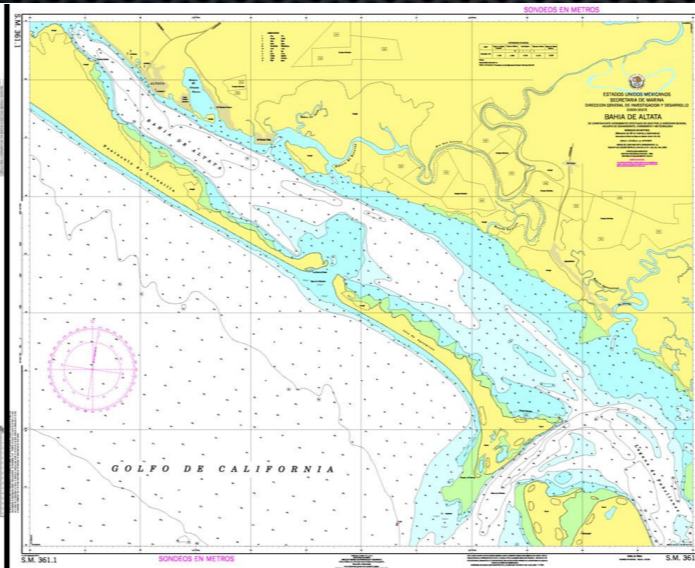
Six new paper nautical charts through CARIS GIS:

NUMBER	NAME	COMMENTS
SM-334.2	Punta Colorada	NEW
SM-361.1	Bahía de Altata	NEW
SM-612.3	Bahía de Chacahua, Oaxaca	NEW
SM-812.5	Laguna de Tampamachoco	NEW
SM-843.1	Sabancuy	NEW
SM-922.8	Terminal Marítima Calica	NEW

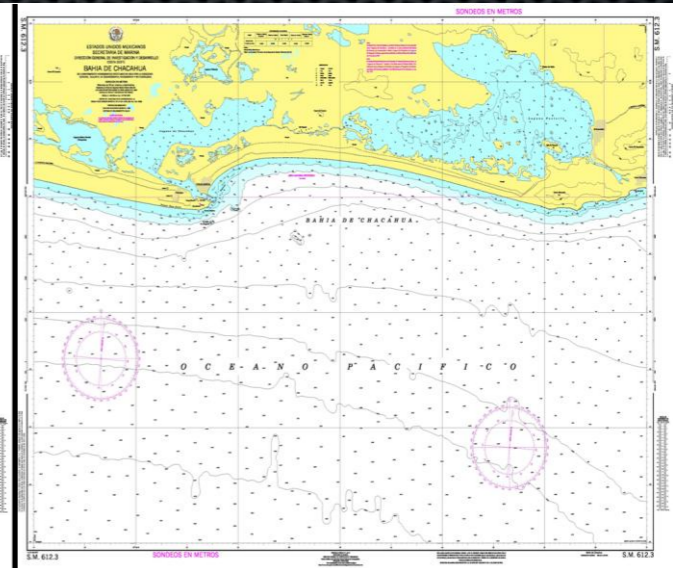
Six New Paper Nautical Charts



SM-334.2
Punta Colorada



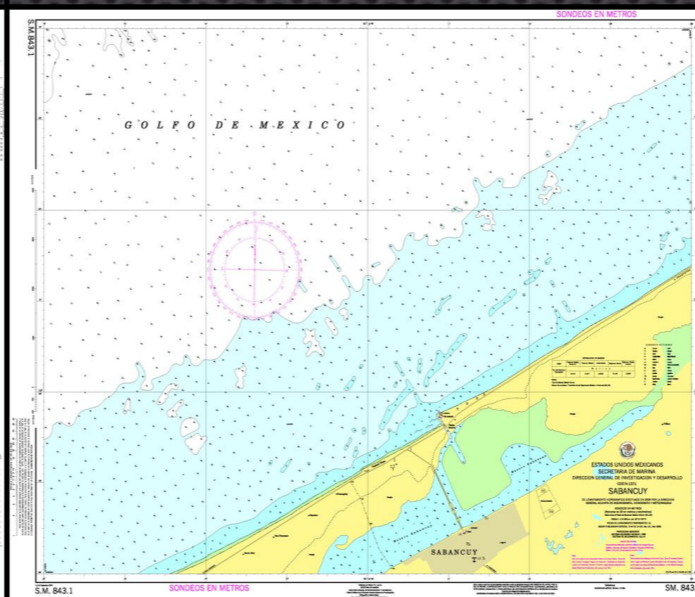
SM-361.1
Bahía de Altata



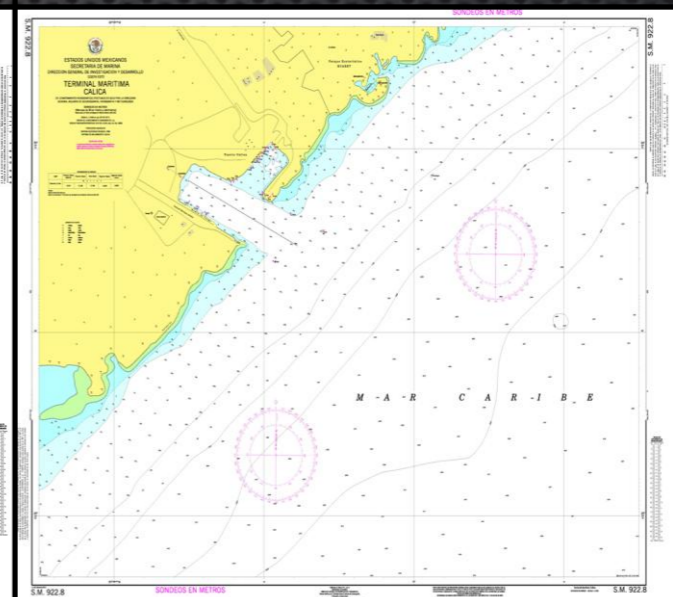
SM-612.3
Bahía de Chacahua, Oaxaca



SM-812.5
Laguna de Tampamachoco



SM-843.1
Sabancuy



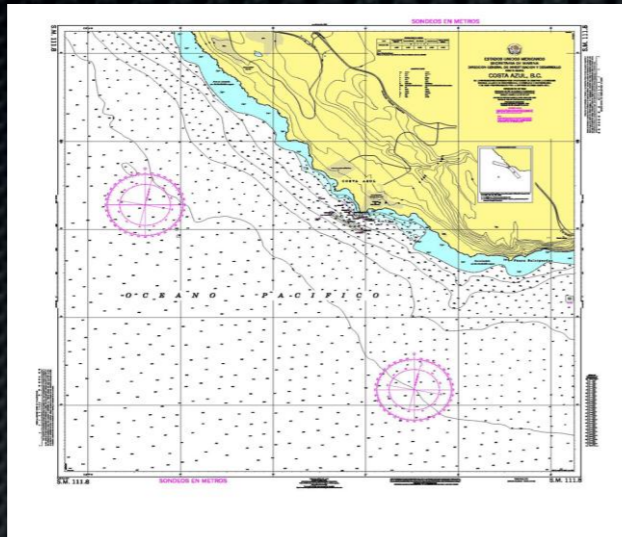
SM-922.8
Terminal Marítima Calica

CARTOGRAPHIC PRODUCTION

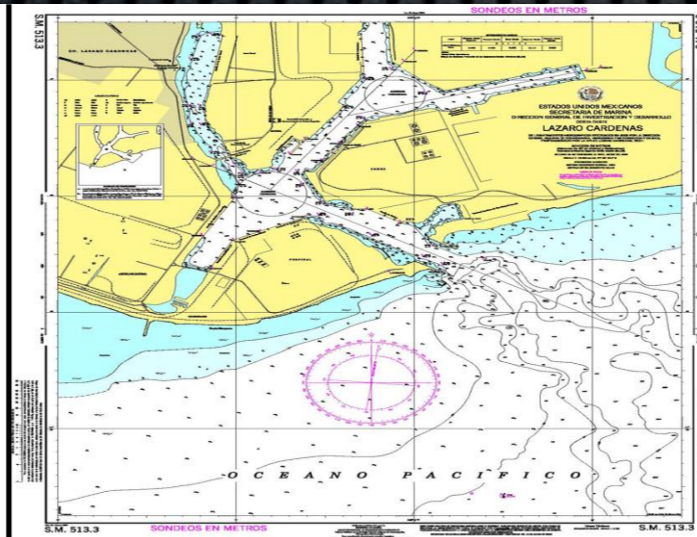
Six new editions.

NUMBER	NAME	COMMENTS
SM-111.8	Costa Azul	(updated)
SM-513.3	Lázaro Cárdenas	(updated)
SM-812.2	Tuxpan	(updated)
SM-842.2	Laguna de Términos entrada Oeste	(updated)
SM-912.4	Terminal Remota de Progreso y proximidades	(updated)
SM-922	Isla Mujeres a Isla Cozumel	(updated)

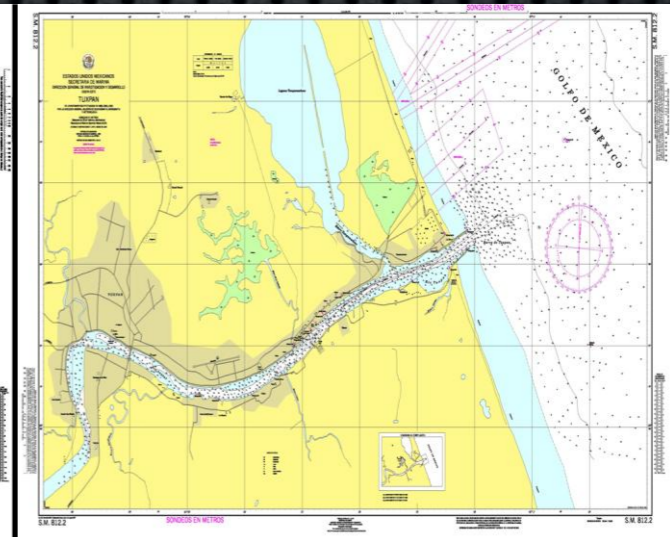
Six new edition nautical charts by updated.



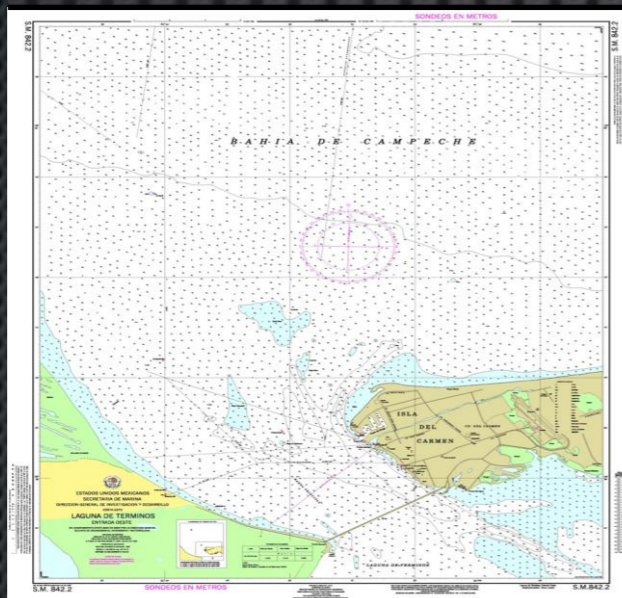
SM-111.8
Costa Azul



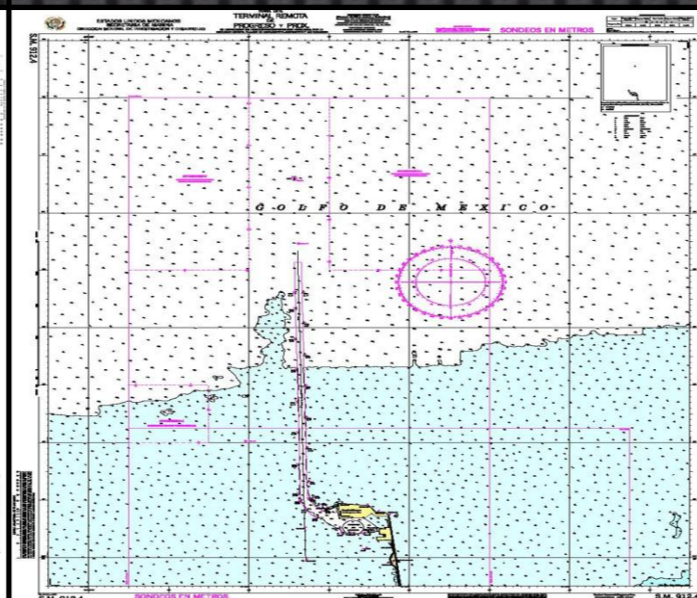
SM-513.3
Lázaro Cárdenas



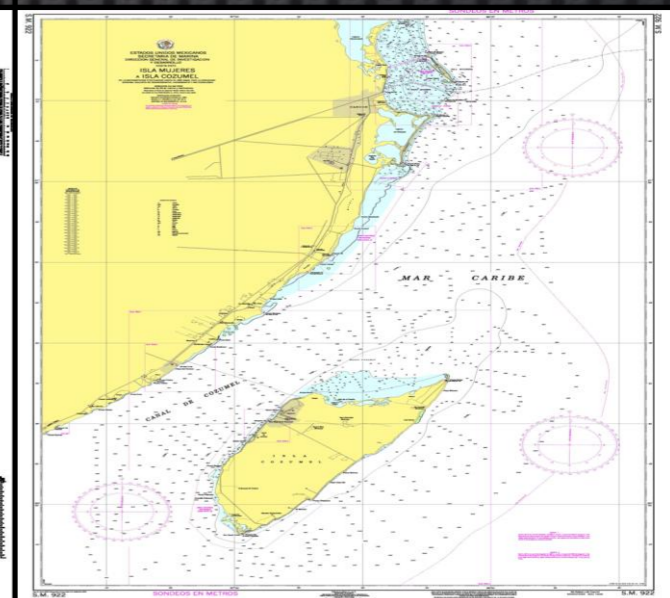
SM-812.2
Tuxpan



SM-842.2
Laguna de Términos
entrada Oeste



SM-912.4
Terminal Remota de Progreso
y proximidades



SM-922
Isla Mujeres a Isla Cozumel

CARTOGRAPHIC PRODUCTION

Fourteen Raster BSB nautical charts.

NUMBER	NAME	COMMENTS
SM-932	Banco Chinchorro y proximidades	Raster BSB
SM-513.3	Xcalak, Q. Roo	Raster BSB
SM-922.2	Bahía Mujeres	Raster BSB
SM-922.3	Puerto Morelos, Q. Roo	Raster BSB
SM-922.4	Isla Mujeres a Isla Cozumel	Raster BSB
SM-922.5	San Miguel de Cozumel	Raster BSB

CARTOGRAPHIC PRODUCTION

Raster BSB nautical charts

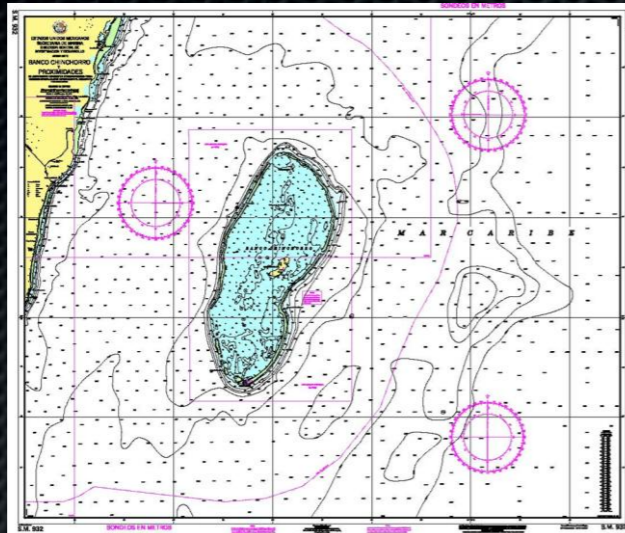
NUMBER	NAME	COMMENTS
SM-922.6	Playa del Carmen, Q. Roo	Raster BSB
SM-923.2	Bahía de la Ascención, Q. Roo	Raster BSB
SM-922.7	Puerto Aventuras, Q. Roo	Raster BSB
SM-233.4	Guaymas	Raster BSB
SM-511.3	Manzanillo	Raster BSB
SM-843.1	Sabancuy	Raster BSB

CARTOGRAPHIC PRODUCTION

Raster BSB Nautical Charts

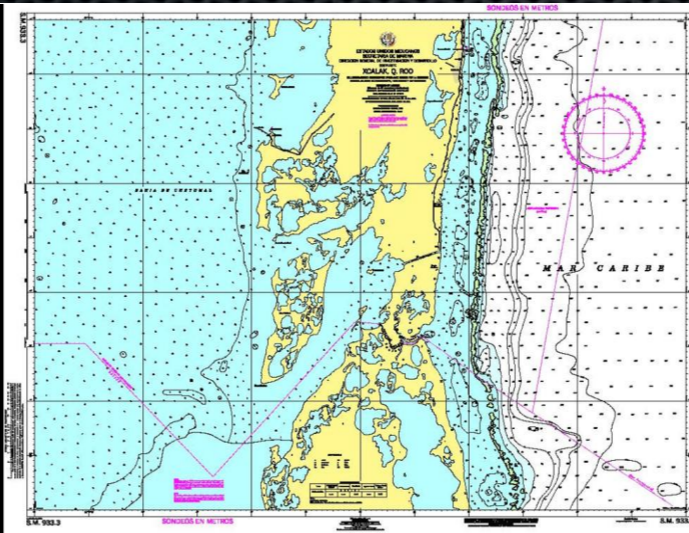
NUMBER	NAME	COMMENTS
SM-922.8	Terminal Marítima Calica	Raster BSB
SM-513.3	Lázaro Cárdenas	Raster BSB

Raster BSB Nautical Charts



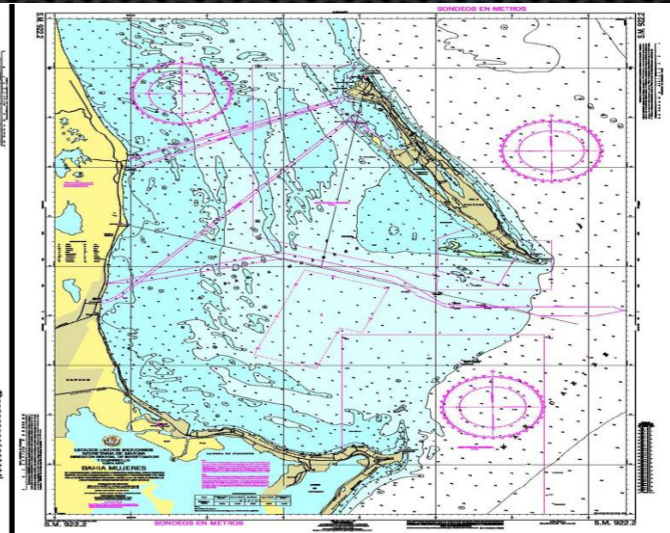
SM-932

Banco Chinchorro
y proximidades



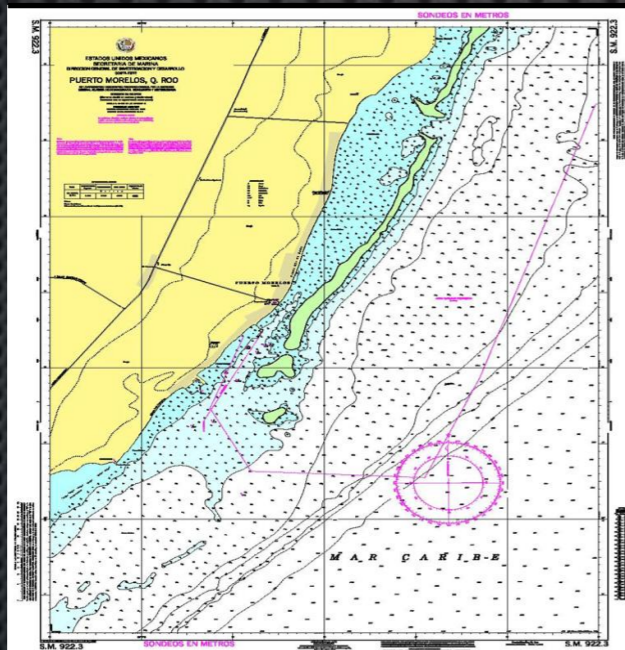
SM-933.3

Xcalak, Q. Roo



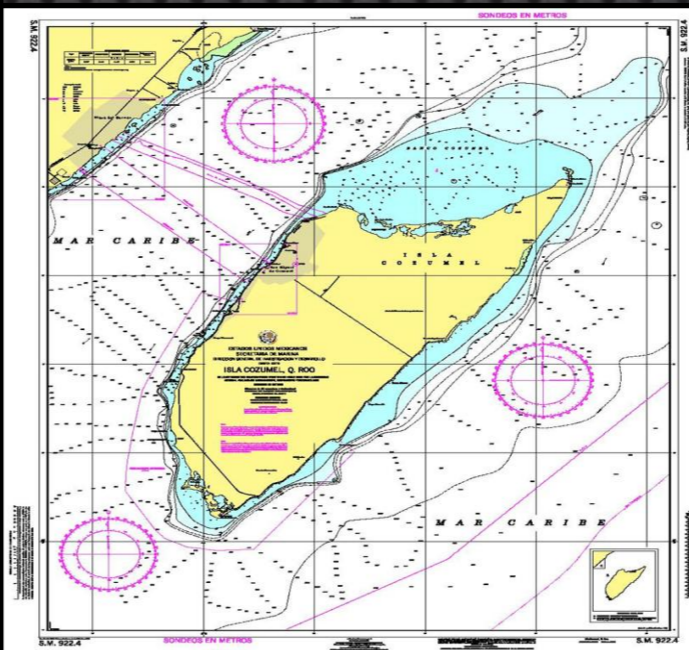
SM-922.2

Bahía Mujeres



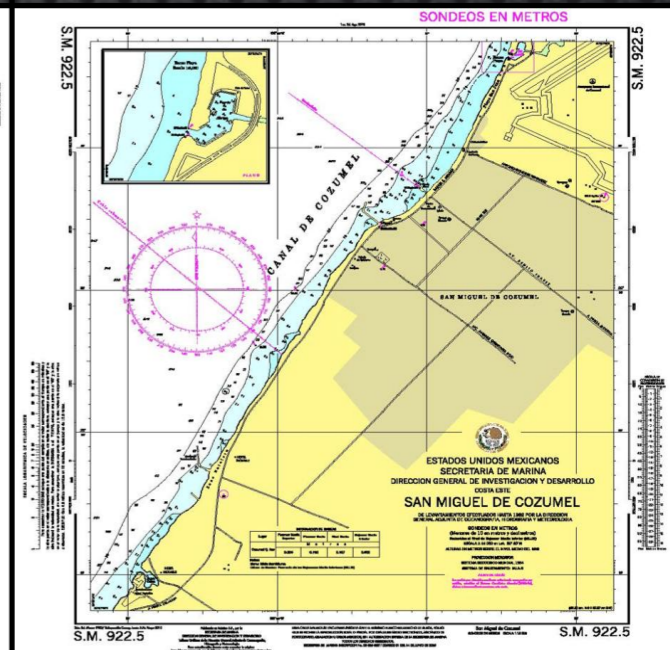
SM-922.3

Puerto Morelos, Q. Roo



SM-922.4

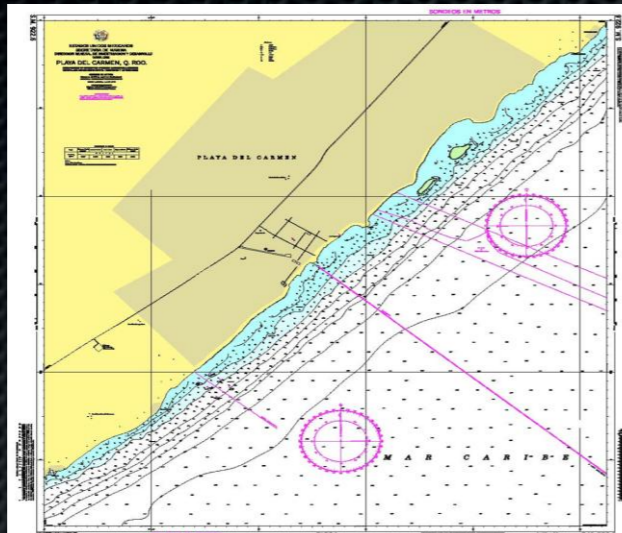
Isla Mujeres a Isla Cozumel



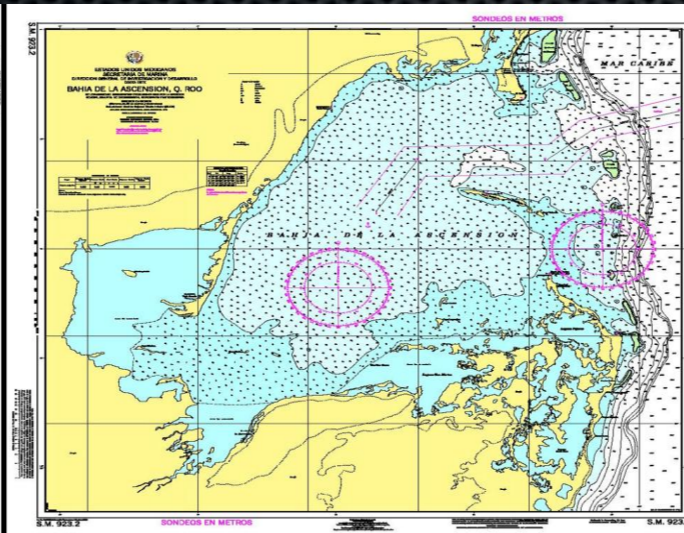
SM-922.5

San Miguel de Cozumel

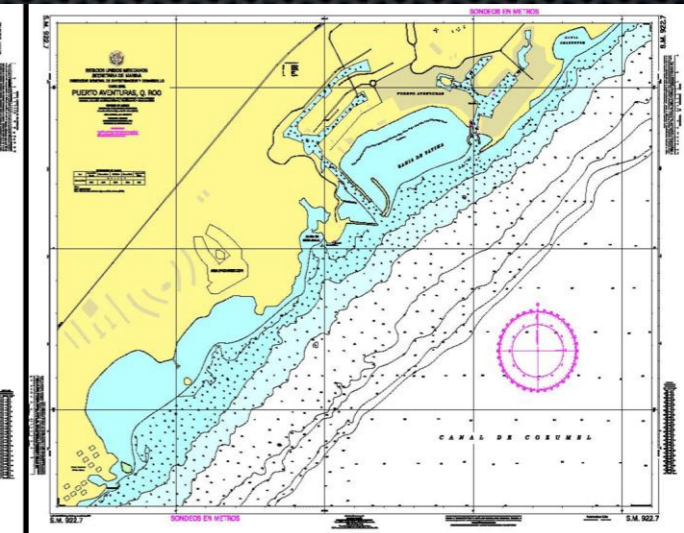
Raster BSB Nautical Charts



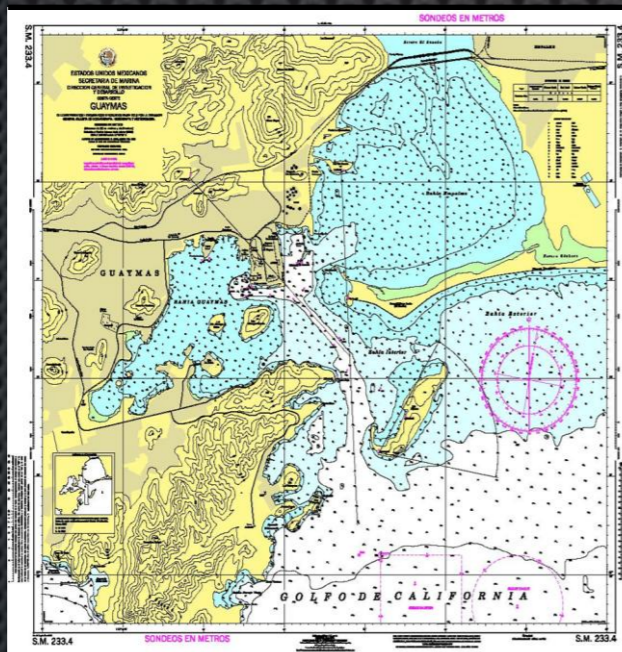
SM-922.6
Playa del Carmen, Q. Roo



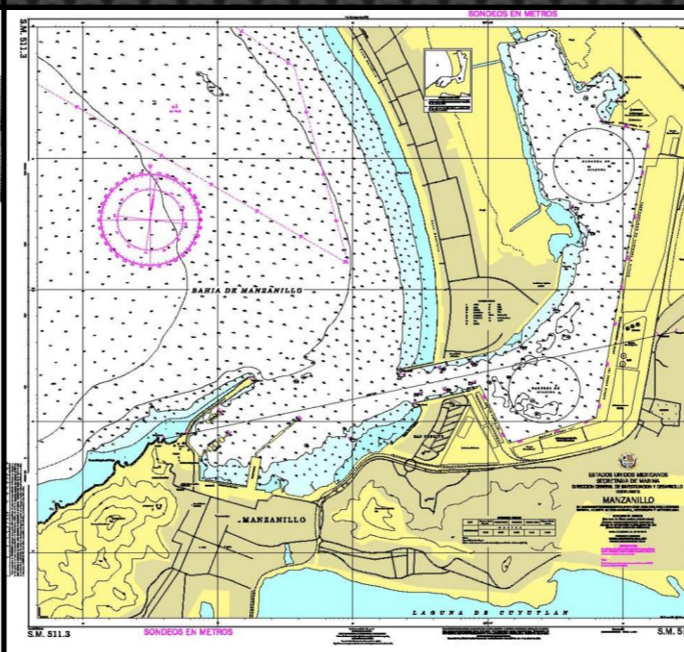
SM-923.2
Bahía de la Ascención, Q. Roo



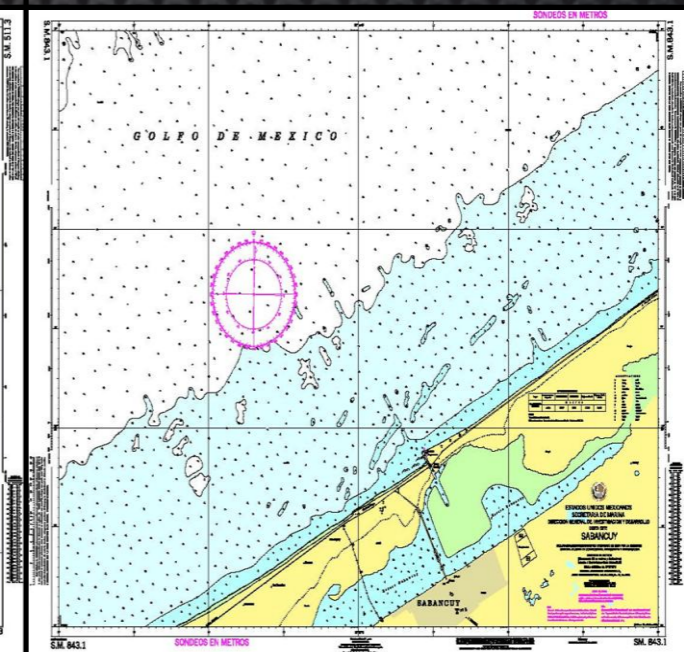
SM-922.7
Puerto Aventuras, Q. Roo



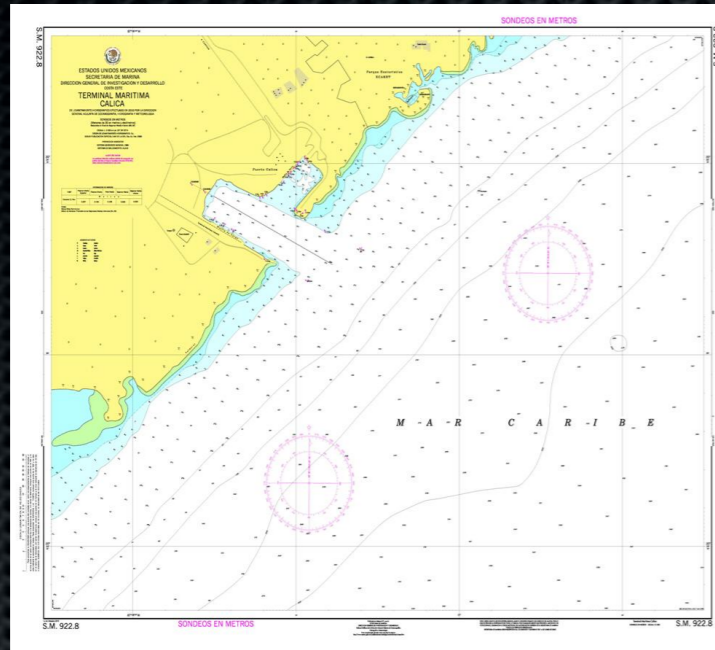
SM-233.4
Guaymas



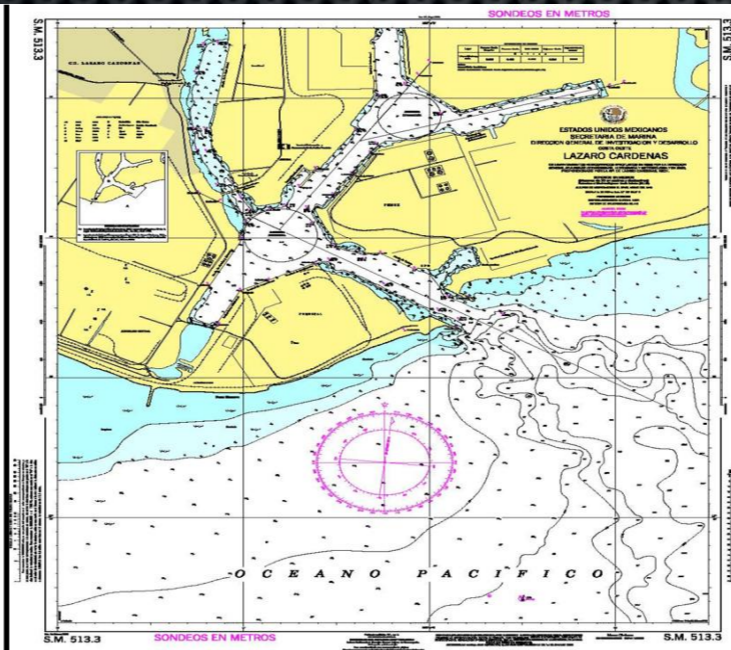
SM-511.3
Manzanillo



SM-843.1
Sabancuy



SM-922.8
Terminal Marítima Calica



SM-513.3
Lázaro Cárdenas



Raster BSB
Nautical Charts

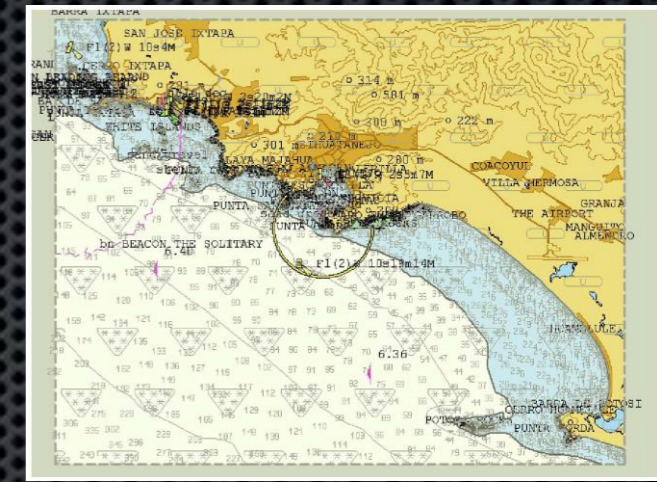
CARTOGRAPHIC PRODUCTION

Four S-57 with Caris Home

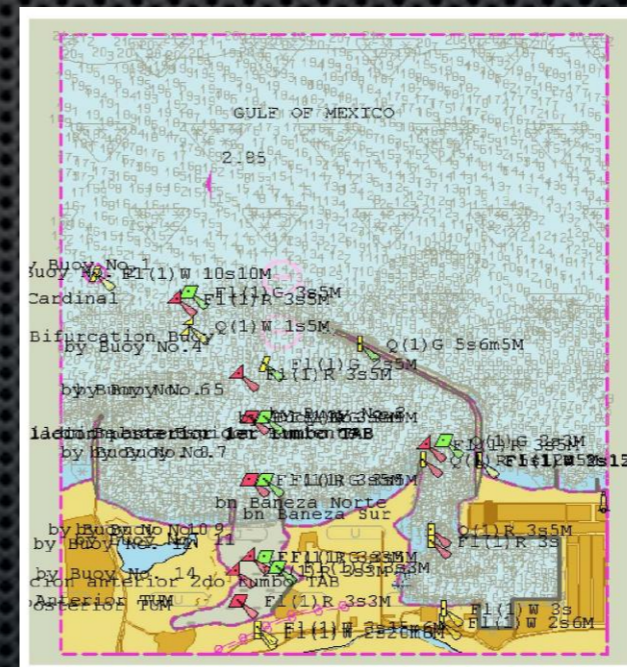
- 1.- MX407223 Rio Panuco a Puerto Tampico.
- 2.- MX405212 Ixtapa-Zihuatanejo
- 3.- MX508324 Dos Bocas, Tabasco
- 4.- MX408323 Dos Bocas y proximidades.



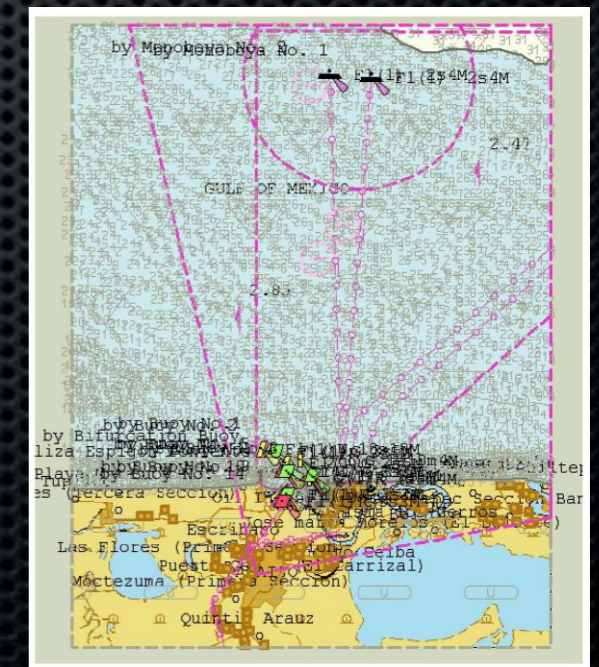
MX407223
Rio Pánuco a Puerto
Tampico



MX405212
Ixtapa-Zihuatanejo



MX508324
Dos Bocas, Tabasco



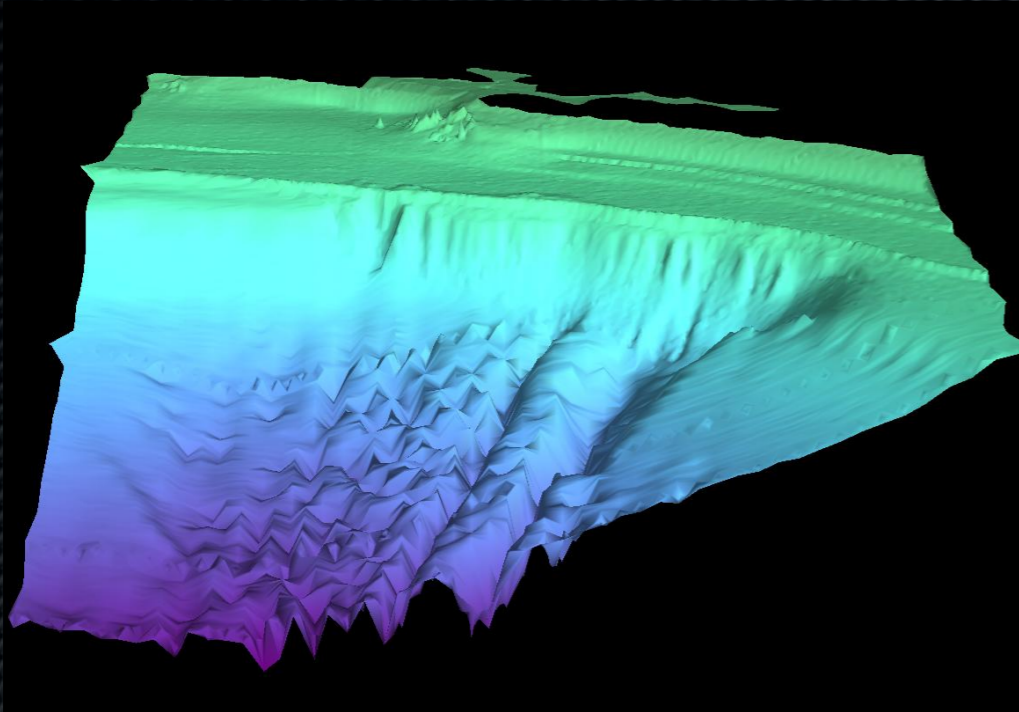
MX408323
Dos Bocas y
proximidades

Such products are being validated by the IC_ENC for the VARs further commercialization.

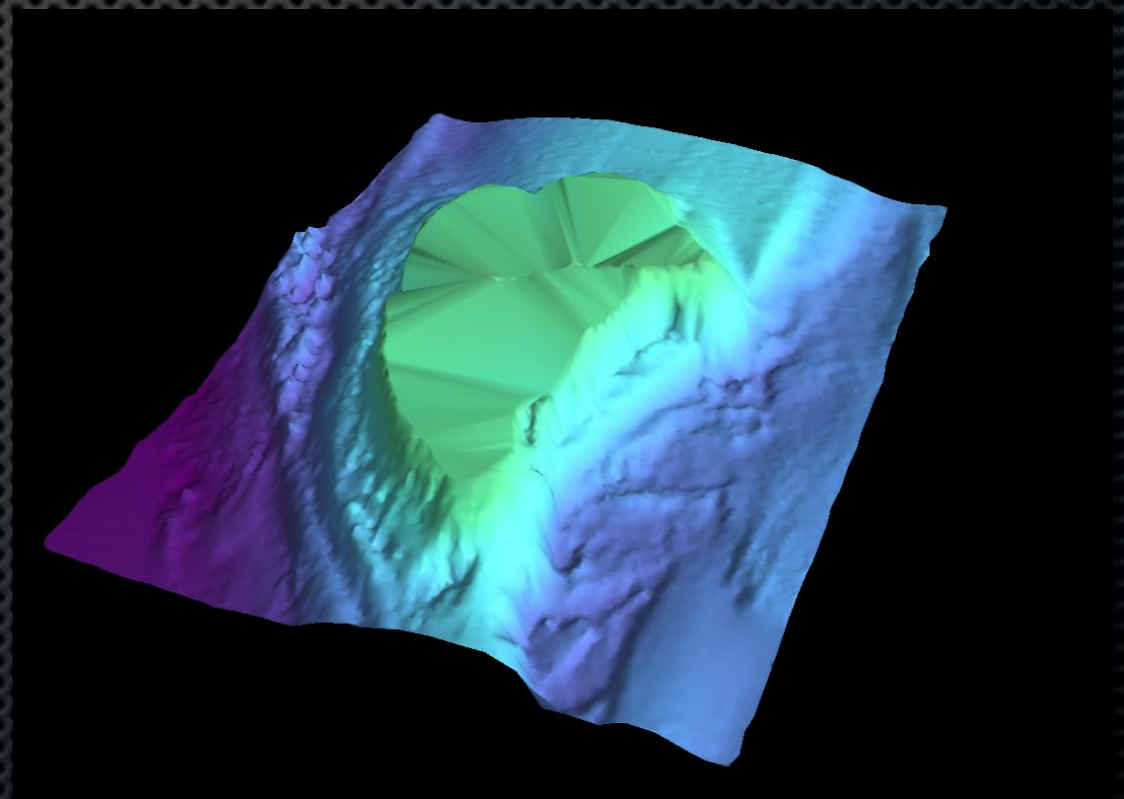
The Mexican Navy - DIGAOHM processed 56 satellite images provided by the Mexican Remote Sensing Station (ERMEX).



HYDROGRAPHIC SURVEYS

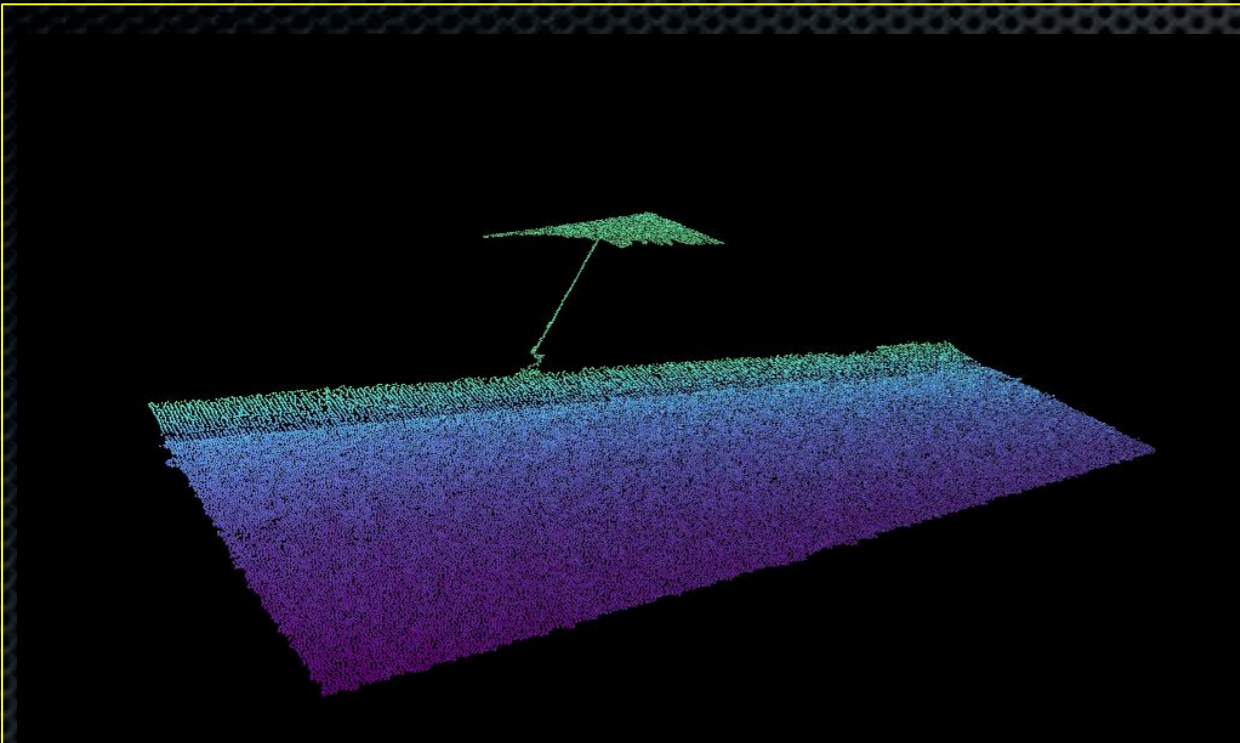


BAHÍA CORRALERO

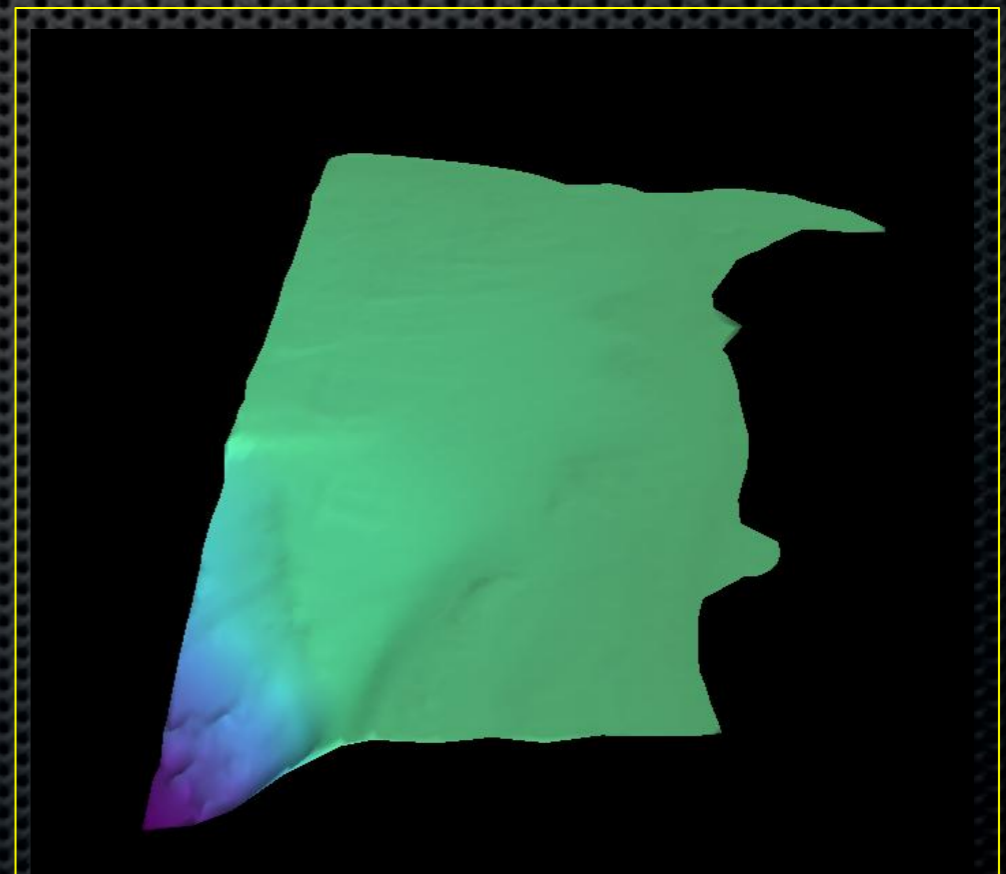


CABO ROJO

HYDROGRAPHIC SURVEYS

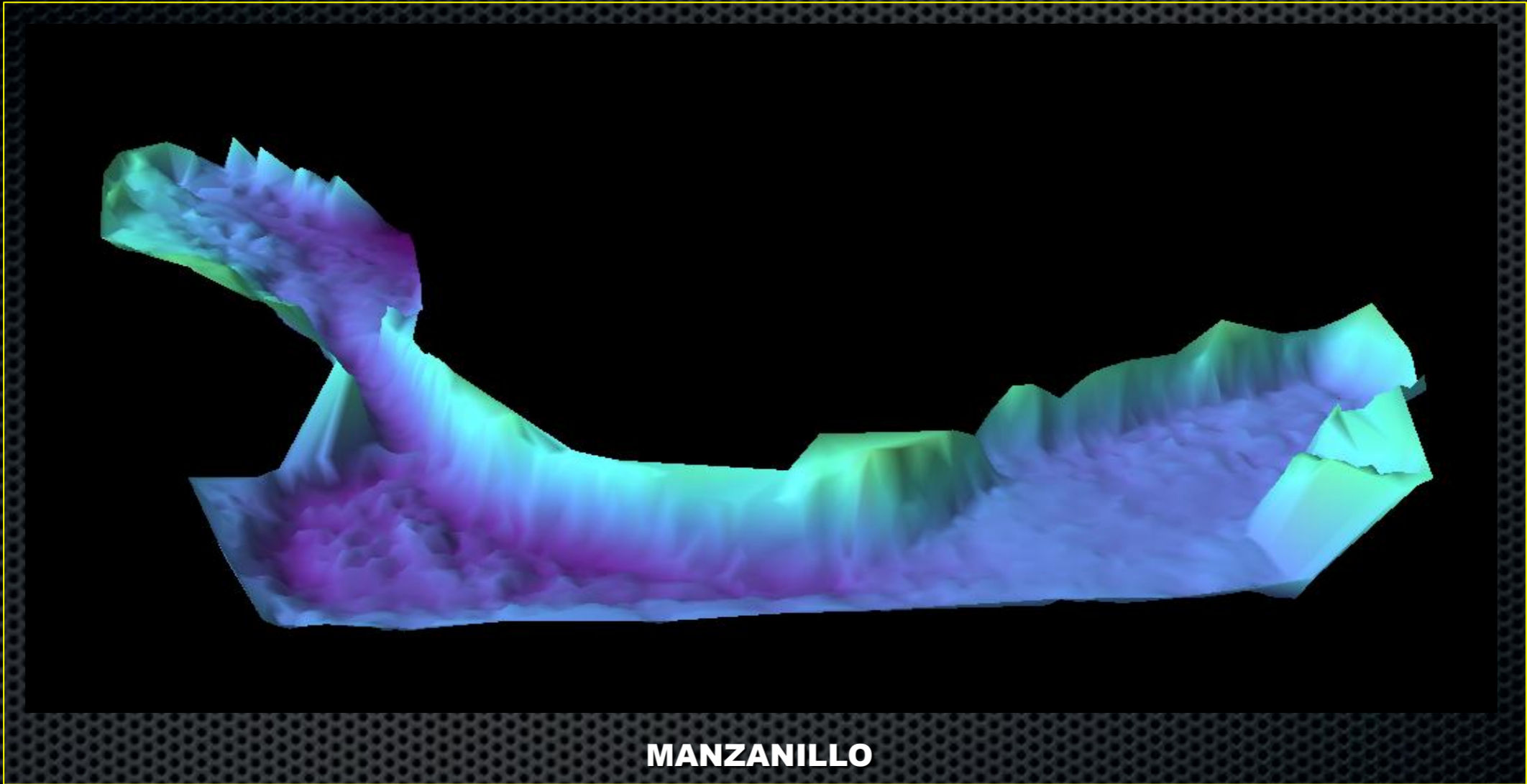


BOCASANTA MARIA A BOCA SANDOVAL

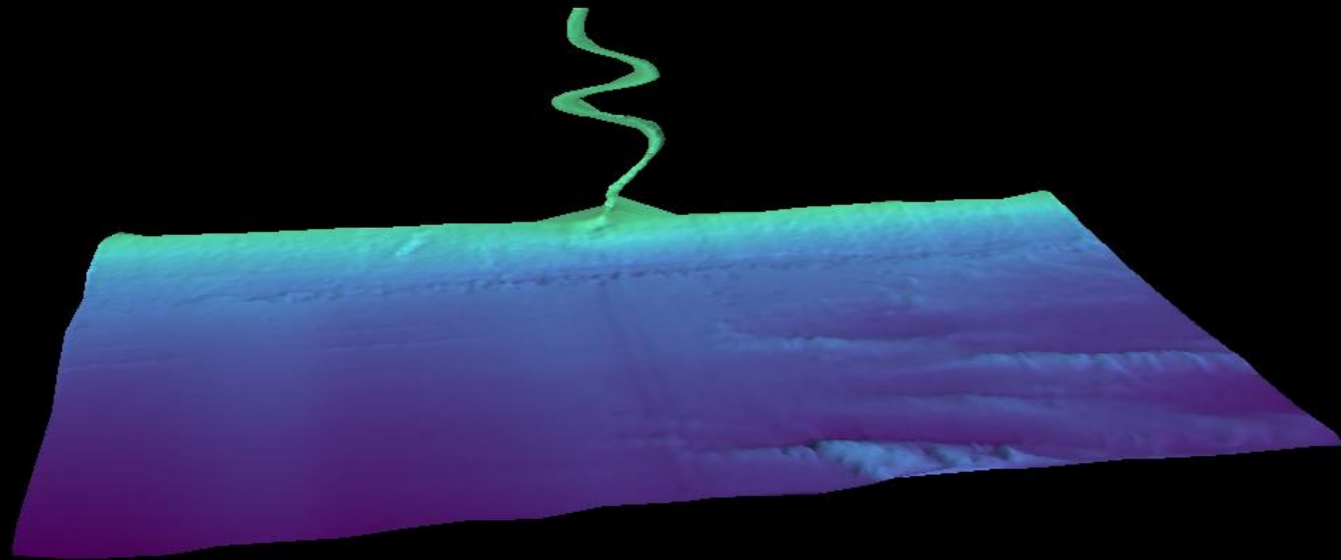


BAHÍA DE GUASIMA

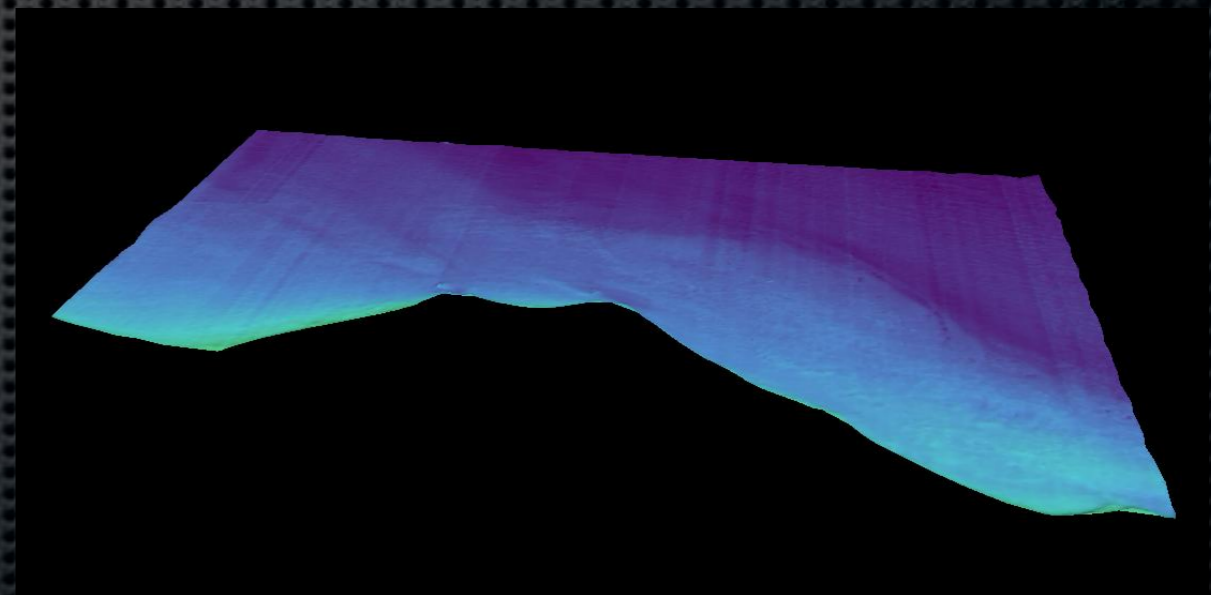
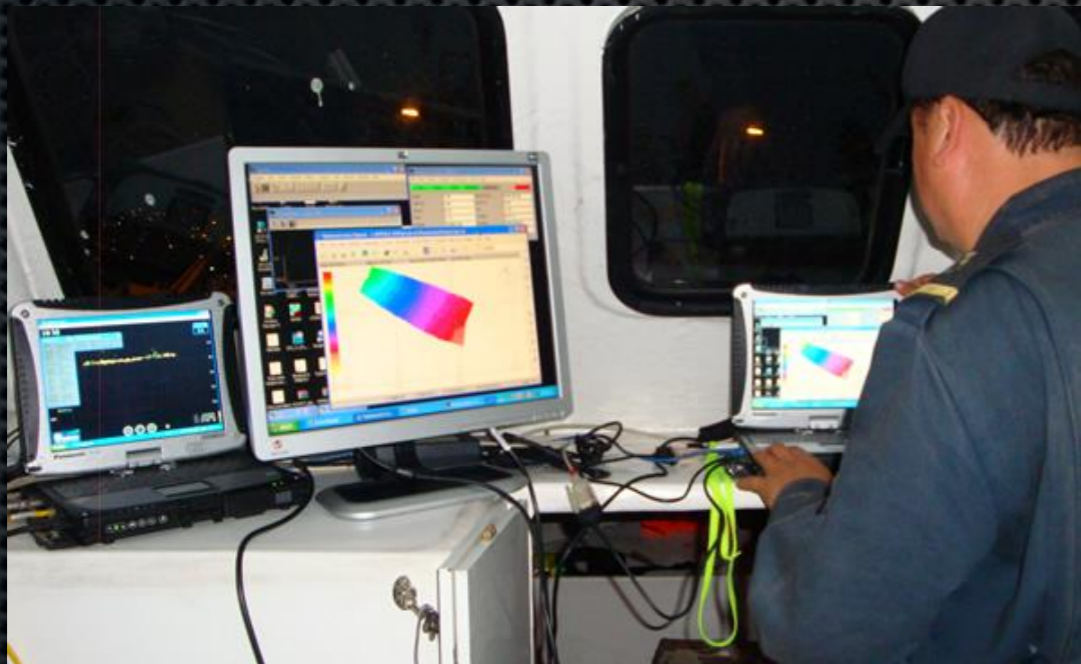
HYDROGRAPHIC SURVEYS



HYDROGRAPHIC SURVEYS

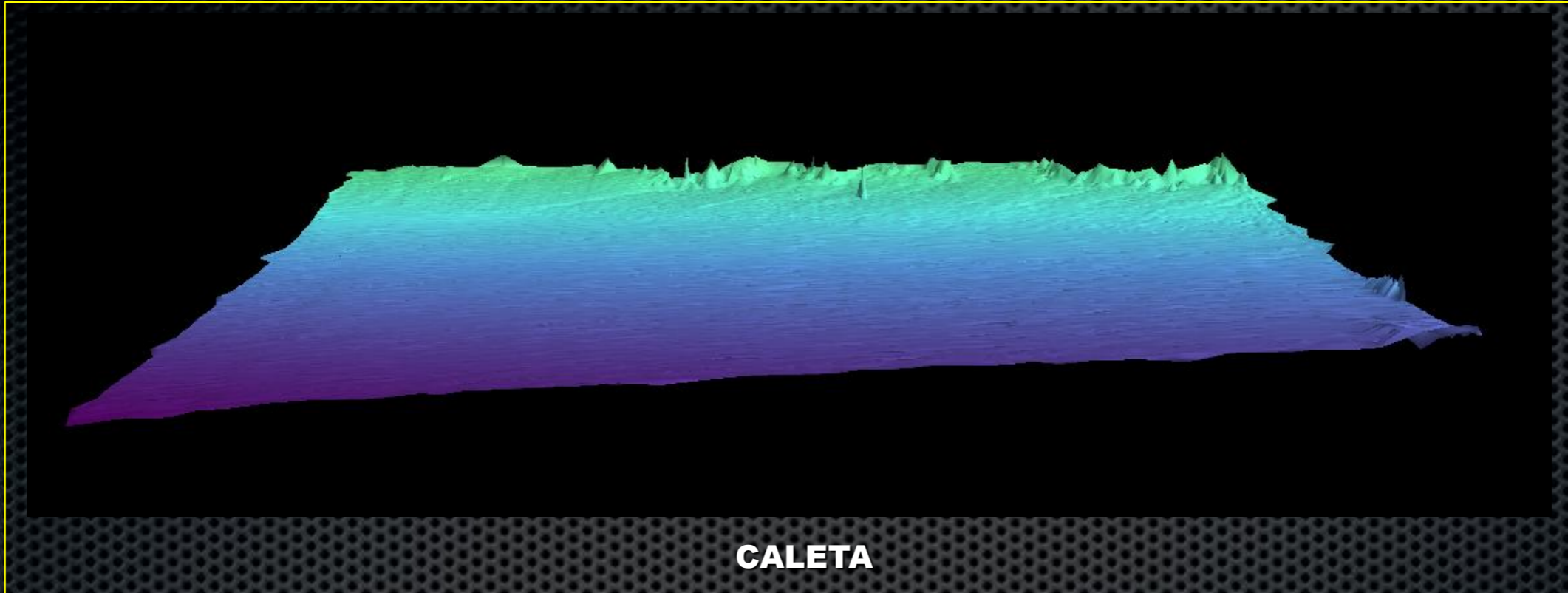


LA PESCA



SEYBAPLAYA

HYDROGRAPHIC SURVEYS



SM-001

Port statistics

CAPITANÍA	EN TONELADAS METRICAS	OBSERVACIONES
ENSENADA	113,000.00	
LA PAZ	NO APLICA	
ISLA DEL CARMEN	NO APLICA	
PUERTO CHIAPAS	33,894.00	
MANZANILLO	122,250.00	Máximo recibido
ACAPULCO	60,636.00	
PUERTO VALLARTA	137,276 (Gross Tonnagg)	
LAZARO CARDENAS	165,000.00	
SAN BLAS	NO APLICA	
SALINA CRUZ	69,254.00	Maximo Recibido dentro de puerto.
PUERTO JUAREZ	NO APLICA	
MAZATLAN	160,000.00	
GUAYMAS	140,000.00	
DOS BOCAS	172,000.00	En Monoboyas.
TAMPICO	60,000.00	Por restriccion de calado se carga a 25,000 Tons.
VERACRUZ	135,562.00	Máximo recibido
PROGRESO	40,000.00	Limitado por calado.

Port statistics

CABO SAN LUCAS	NO APLICA	
CAMPECHE	NO APLICA	
ZIHUATANEJO	NO APLICA	
BARRA DE NAVIDAD	NO APLICA	
BAHIAS DE HUATULCO	60,000.00	
COZUMEL	100,000.00	
PLAYA DEL CARMEN	NO APLICA	
TOPOLOBAMPO	93,333.00	
ALTAMIRA	147,480.00	
COATZACOALCOS	112,486.00	Máximo recibido.
TUXPAN	60,000.00	
ISLA CEDROS	200,00.00	
ROSARITO	80,000.00	

Shipping Statistics

2'767,144.769 (Dos millones setecientos sesenta y siete mil ciento cuarenta y cuatro punto setecientos sesenta y nueve) Unidades de Arqueo Bruto.

 **Yucatan**



TRANSPORTACION MARITIMA MEXICANA



Examples where hydrography skills have been of benefit in a non-navigational context.



HURRICANE "JOVA"

MANZANILLO, COLIMA



Decision makers used hydrographic data for their work.
The city industry was able to work as soon as possible.



Discover Target Logger

File Configure View

Remarks:

Target Information

Target Lon:	97 : 12.6933 W
Target Lat:	20 : 57.6669 N
Altitude:	0.00
Ground Range:	42.42 P
Slant Range:	42.42 P
Navigation Lon:	97 : 12.6875 W
Navigation Lat:	20 : 57.6440 N
Heading:	89.79
Ping Number:	103964

Discover Target Logger

File Configure View

Remarks:

Target Information

Target Lon:	97 : 12.6913 W
Target Lat:	20 : 57.6669 N
Altitude:	0.00
Ground Range:	39.84 P
Slant Range:	39.84 P
Navigation Lon:	97 : 12.6845 W
Navigation Lat:	20 : 57.6457 N
Heading:	87.29
Ping Number:	20697

Bottom Confirmation

Delete

Save



ARM. "RÍO TUXPAN" (BI-12)

TIPO: INVESTIGACIÓN HIDROGRÁFICA

FECHA DE ALTA EN LA ARMADA: 1 DE MARZO DE 2006
PUERTO BASE: VERACRUZ, VER.



EQUIPAMIENTO HIDROGRÁFICO:

ECOSONDA MULTIHAZ KONGSBERG EM 710S CON ALCANCE DE 1,000 MTS. DE PROFUNDIDAD, CUENTA CON ECOSONDA MONOHAZ KONGSBERG EA 600 CON ALCANCE DE 7,000 MTS. DE PROFUNDIDAD. CUENTA CON SISTEMA SEAPATH 200.
SISTEMA GPS DIFERENCIAL C-NAV.
PERFILADOR DE VELOCIDAD DEL SONIDO, CONDUCTIVIDAD, TEMPERATURA Y PROFUNDIDAD (CTD & SV).
SISTEMA DE MEDIDA DE VELOCIDAD DEL SONIDO SUPERFICIAL (SSVS).
SONAR DE BARRIDO LATERAL.
SISTEMA DE CARTA ELECTRÓNICA SIMRAD CS 66.
SISTEMA DE PROCESAMIENTO DE DATOS COMPUESTO POR UN SERVIDOR INFORMÁTICO Y 5 ESTACIONES DE TRABAJO.

LANCHAS HIDROGRÁFICAS.

-LANCHA HIDROGRÁFICA BI-12-01
-LANCHA HIDROGRÁFICA BI-12-02
CADA UNA EQUIPADA CON ECOSONDA MONOHAZ KONGSBERG EA 400 CON ALCANCE DE 2,100 MTS. DE PROFUNDIDAD.
EQUIPO DE TRABAJO PORTÁTIL (TIPO LAP TOP).
DIGIBAR PRO (SOUND VELOCITY PROFIER).
SIDE SCAN TRANSDUCER.
SENSOR INERCIAL (SEATEX MRU).
SEAPATH 20.
DISPLAY REPETIDOR (DEL TIMONEL).
SISTEMA GPS DIFERENCIAL.

CARACTERÍSTICAS GENERALES:

ESLORA: 49.70 MTS.
MANGA: 10.05 MTS.
PUNTAL: 5.18 MTS.
CALADO NORMAL: 3.73 MTS.
VELOCIDAD DE CRUCERO: 12 NUDOS.

PLANILLA ORGÁNICA:

CAPITANES: 01
OFICIALES: 12
CLASMAR: 23



http://digaohm.semar.gob.mx/hidrografia.html

digaohm.semar.gob.mx/hidrografia.html

et-intern... machc



GOBIERNO
FEDERAL
SEMAR



DIGAOHM

direccion.hidrografia.mexico@gmail.com

CARIS hacia la Base de Datos de Producción Hidrográfica (HPD) con el fin de mejorar sus flujos de trabajo.

Las nuevas Cartas Náuticas Electrónicas ENC's y las cartas de papel han sido producidas con nuevas fuentes del HPD.

Las ENC's MX508531 (Seybaplaya) y MX508133 (Laguna Verde, Veracruz) han sido validadas por el IC ENC., estas

Dirección de Hidrografía

Misión >>

Funciones >>

Buques >>

Anuario 2011 >>

SÍMBOLOS,
ABREVIATURAS Y
TÉRMINOS
DE LA
CARTOGRAFÍA
NÁUTICA
CARTA 1



Listas de Precios
de Cartas y
Publicaciones
Náuticas

CATÁLOGO DE CARTAS Y
PUBLICACIONES NÁUTICAS

2011



Eje 2 Ote. Tramo Heroica Escuela Naval Militar #861 Col. Los Cipreses Del. Coyoacán, D.F. C.P 04830 - México D.F. Tel. 56 24 65 00 Ext. 7243 y 7245

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MEXICO NATIONAL REPORT

SECRETARÍA DE MARINA-ARMADA DE MÉXICO

MESOAMERICAN AND CARIBBEAN SEA

HYDROGRAPHIC COMMISSION

THANK YOU FOR YOUR ATTENTION