

PHYSICAL-BIOTIC SUSCEPTIBILITY TO THE EFFECT OF
52 HUMAN INTERVENTIONS *
and
equivalent environmental licensing instrument

LITTORAL CONFIG. #	LOW				MEDIUM				HIGH				VERY HIGH			
	Environmental viability				Simplified EIS				Robust EIS				Alternative Analysis			
04 - BCT - MBX	12EDF 23NAV 26GTP 31MAN 32GST 36TPC 47CFP	52DSP 33UAG 42VFE 55WTP	02UGM 03IDO 04LUC 07IFC 08AHB 10AHP 11AHU 15MUP	17EDM 18PUC 22INA 29TYS 30TSF 33UAG 34GMR 35GRA	38EEH 41CAP 42VFE 43CAP 44CAP 46BSP 54SME	05MOC 09AHA 16AHM 19PUG 20SPS 49CYP 50MUR 53SWD	14EMP 24MMN 37DM 39MDS 40RDS 48ROP 51BNS									
07 - BFP - MBX	02UGM 08AHB 12EDF 13MIL 23NAV 26GTP 30TSF 32GST 33UAG 36TPC 47CFP	32GST 33UAG 42VFE 43CAP 47CFP 52DSP 55WTP	03IDO 04LUC 07IFC 10AHP 11AHU 15MUP 17EDM	18PUC 20SPS 22INA 34GMR 35GRA 38EEH 41CAP	46BSP 54SME	05MOC 09AHA 19PUG 24MMN 48ROP 49CYP 50MUR 51BNS	14EMP 37DM 39MDS 40RDS									
08 - BVF - MBX	12EDF 13MIL 23NAV 26GTP 30TSF 32GST 33UAG 36TPC 47CFP	42VFE 43CAP 44CAP 52DSP 55WTP	02UGM 03IDO 04LUC 07IFC 08AHB 10AHP 11AHU 15MUP	16AHM 17EDM 18PUC 20SPS 22INA 29TYS 30TSF 34GMR 35GRA	38EEH 41CAP 43CAP 44CAP 46BSP 54SME	05MOC 09AHA 19PUG 24MMN 48ROP 49CYP 50MUR 53SWD	14EMP 37DM 39MDS 40RDS 51BNS									
09 - CTR - MBX	12EDF 13MIL 23NAV 26GTP 30TSF 32GST 33UAG 36TPC 42VFE	47CFP 52DSP 55WTP	02UGM 03IDO 04LUC 07IFC 08AHB 10AHP 11AHU 15MUP	16AHM 17EDM 18PUC 20SPS 22INA 29TYS 30TSF 34GMR 35GRA	41CAP 43CAP 44CAP 46BSP 54SME	05MOC 09AHA 14EMP 19PUG 24MMN 48ROP 49CYP 50MUR	14EMP 37DM 39MDS 40RDS									
11 - RLM - MBX	12EDF 13MIL 23NAV 26GTP 30TSF 32GST 33UAG 36TPC 42VFE	47CFP 52DSP 55WTP	02UGM 03IDO 04LUC 07IFC 08AHB 10AHP 11AHU 15MUP	16AHM 17EDM 18PUC 20SPS 22INA 29TYS 30TSF 34GMR 35GRA	41CAP 43CAP 44CAP 46BSP 54SME	05MOC 09AHA 14EMP 19PUG 24MMN 48ROP 49CYP 50MUR	14EMP 37DM 39MDS 40RDS 51BNS									
16 - BLS - SBX	12EDF 13MIL 23NAV 26GTP 30TSF 32GST 33UAG 36TPC 42VFE	47CFP 52DSP 55WTP	02UGM 03IDO 04LUC 07IFC 08AHB 10AHP 11AHU 15MUP	16AHM 17EDM 18PUC 20SPS 22INA 29TYS 30TSF 34GMR 35GRA	41CAP 43CAP 44CAP 46BSP 54SME	05MOC 09AHA 14EMP 19PUG 24MMN 48ROP 49CYP	14EMP 37DM 39MDS									
19 - BVF - SBX	12EDF 13MIL 23NAV 26GTP 30TSF 32GST 33UAG 36TPC 42VFE	47CFP 52DSP 55WTP	02UGM 03IDO 04LUC 07IFC 08AHB 10AHP 11AHU 15MUP	16AHM 17EDM 18PUC 20SPS 22INA 29TYS 30TSF 34GMR 35GRA	41CAP 43CAP 44CAP 46BSP 54SME	05MOC 09AHA 14EMP 19PUG 24MMN 48ROP 49CYP 50MUR	14EMP 37DM 39MDS 40RDS 51BNS									
20 - CTR - SBX	12EDF 13MIL 23NAV 26GTP 30TSF 32GST 33UAG 36TPC 42VFE	47CFP 52DSP 55WTP	02UGM 03IDO 04LUC 07IFC 08AHB 10AHP 11AHU 15MUP	16AHM 17EDM 18PUC 20SPS 22INA 29TYS 30TSF 34GMR 35GRA	41CAP 43CAP 44CAP 46BSP 54SME	05MOC 09AHA 14EMP 19PUG 24MMN 48ROP 49CYP 50MUR	14EMP 37DM 39MDS									
22 - RLM - SBX	12EDF 13MIL 23NAV 26GTP 30TSF 32GST 33UAG 36TPC 42VFE 47CFP	47CFP 52DSP 55WTP	02UGM 03IDO 04LUC 07IFC 08AHB 10AHP 11AHU 15MUP	16AHM 17EDM 18PUC 20SPS 22INA 29TYS 30TSF 34GMR 35GRA	41CAP 43CAP 44CAP 46BSP 54SME	05MOC 09AHA 14EMP 19PUG 24MMN 48ROP 49CYP 50MUR	14EMP 37DM 39MDS 40RDS 51BNS									

* For the code meaning of human interventions, see the appendix V-C
For the code meaning of littoral configurations, see Map 01

LITTORAL CONFIG. #	LOW				MEDIUM				HIGH				VERY HIGH			
	Environmental viability				Simplified EIS				Robust EIS				Alternative Analysis			
26 - BCT - SBV	12EDF 23NAV 26GTP 27WPP 31MAN 36TPC 47CFP	52DSP 33UAG 42VFE 55WTP	02UGM 03IDO 04LUC 07IFC 08AHB 10AHP 11AHU 15MUP	17EDM 18PUC 22INA 29TYS 30TSF 33UAG 34GMR 35GRA	38EEH 41CAP 42VFE 43CAP 44CAP 46BSP 54SME	05MOC 09AHA 16AHM 19PUG 20SPS 49CYP 50MUR 53SWD	14EMP 24MMN 37DM 39MDS 40RDS 48ROP 51BNS									
28 - BVL - SBV	12EDF 23NAV 26GTP 32GST 33UAG 36TPC 42VFE	47CFP 55WTP	02UGM 03IDO 04LUC 07IFC 08AHB 10AHP 11AHU 15MUP	17EDM 18PUC 22INA 29TYS 30TSF 33UAG 34GMR 35GRA	41CAP 42VFE 43CAP 44CAP 46BSP 54SME	05MOC 09AHA 19PUG 24MMN 48ROP 49CYP 50MUR 53SWD	14EMP 37DM 39MDS 40RDS									
32 - CTN - SBV	13MIL 23NAV 26GTP 32GST 33UAG 36TPC 42VFE 47CFP	55WTP	02UGM 03IDO 04LUC 07IFC 08AHB 10AHP 11AHU 15MUP	15MUP 17EDM 18PUC 20SPS 22INA 29TYS 30TSF 34GMR 35GRA	44CAP 46BSP 54SME	05MOC 09AHA 19PUG 24MMN 48ROP 49CYP 50MUR 53SWD	14EMP 37DM 39MDS 40RDS									
33 - RLM - SBV	23NAV 26GTP 31MAN 47CFP 12EDF 13MIL 32GST 36TPC	52DSP 55WTP	02UGM 03IDO 04LUC 07IFC 08AHB 10AHP 11AHU 15MUP	18PUC 22INA 29TYS 30TSF 33UAG 34GMR 35GRA	41CAP 42VFE 43CAP 44CAP 46BSP 54SME	05MOC 09AHA 19PUG 24MMN 48ROP 49CYP 50MUR 53SWD	14EMP 37DM 39MDS 40RDS 51BNS									
48 - BCT - HAB	12EDF 23NAV 26GTP 31MAN 32GST 36TPC 47CFP 55WTP	47CFP 52DSP 55WTP	02UGM 03IDO 04LUC 07IFC 08AHB 10AHP 11AHU 15MUP	16AHM 17EDM 18PUC 20SPS 22INA 29TYS 30TSF 34GMR 35GRA	41CAP 43CAP 44CAP 46BSP 54SME	05MOC 09AHA 14EMP 19PUG 24MMN 48ROP 49CYP 50MUR	14EMP 37DM 39MDS 40RDS									
52 - BVF - HAB	12EDF 13MIL 23NAV 26GTP 30TSF 32GST 33UAG 36TPC 42VFE 47CFP	47CFP 52DSP 55WTP	02UGM 03IDO 04LUC 07IFC 08AHB 10AHP 11AHU 15MUP	16AHM 17EDM 18PUC 20SPS 22INA 29TYS 30TSF 34GMR 35GRA	41CAP 43CAP 44CAP 46BSP 54SME	05MOC 09AHA 14EMP 19PUG 24MMN 48ROP 49CYP 50MUR	14EMP 37DM 39MDS 40RDS 51BNS									
53 - CTR - HAB	12EDF 13MIL 23NAV 26GTP 30TSF 32GST 33UAG 36TPC 42VFE	47CFP 52DSP 55WTP	02UGM 03IDO 04LUC 07IFC 08AHB 10AHP 11AHU 15MUP	16AHM 17EDM 18PUC 20SPS 22INA 29TYS 30TSF 34GMR 35GRA	41CAP 43CAP 44CAP 46BSP 54SME	05MOC 09AHA 14EMP 19PUG 24MMN 48ROP 49CYP 50MUR	14EMP 37DM 39MDS 40RDS									
55 - RLM - HAB	12EDF 13MIL 23NAV 26GTP 30TSF 32GST 33UAG 36TPC 42VFE	47CFP 52DSP 55WTP	02UGM 03IDO 04LUC 07IFC 08AHB 10AHP 11AHU 15MUP	16AHM 17EDM 18PUC 20SPS 22INA 29TYS 30TSF 34GMR 35GRA	41CAP 43CAP 44CAP 46BSP 54SME	05MOC 09AHA 14EMP 19PUG 24MMN 48ROP 49CYP 50MUR	14EMP 37DM 39MDS 40RDS									
75 - CTR - SOB	12EDF 13MIL 23NAV 26GTP 30TSF 32GST 33UAG 36TPC 42VFE	47CFP 52DSP 55WTP	02UGM 03IDO 04LUC 07IFC 08AHB 10AHP 11AHU 15MUP	16AHM 17EDM 18PUC 20SPS 22INA 29TYS 30TSF 34GMR 35GRA	41CAP 43CAP 44CAP 46BSP 54SME	05MOC 09AHA 14EMP 19PUG 24MMN 48ROP 49CYP 50MUR	14EMP 37DM 39MDS 40RDS									
77 - RLM - SOB	12EDF 13MIL 23NAV 26GTP 30TSF 32GST 33UAG 36TPC 42VFE	47CFP 52DSP 55WTP	02UGM 03IDO 04LUC 07IFC 08AHB 10AHP 11AHU 15MUP	16AHM 17EDM 18PUC 20SPS 22INA 29TYS 30TSF 34GMR 35GRA	41CAP 43CAP 44CAP 46BSP 54SME	05MOC 09AHA 14EMP 19PUG 24MMN 48ROP 49CYP 50MUR	14EMP 37DM 39MDS 40RDS 51BNS									

NATURAL SUSCEPTIBILITY TO THE
EFFECT OF COASTAL INTERVENTIONS
FOR THE ENVIRONMENTAL LICENSING
PROCEDURE

NOVEMBER 2018

MAP 11

SECTOR
CARTAGENA BAY - BARU PENINSULA

0 0,75 1,5 3 4,5 6 Km
Scale 1:100.000

AUTHOR:

Cristina I. Pereira
PhD. Cand.

REVISION:

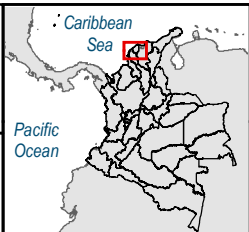
O. Geovany Bedoya
Chief Department

APPROVAL:

PhD. Ivan Correa
PhD. Enzo Pranzini

UNIVERSIDAD
EAFIT
Vigilada Mineducación

School of Sciences
Earth Sciences Department



Environmental Coastal Unit "Magdalena River - Canal del Dique
complex - Ciénaga Grande de Santa Marta lagoon system"
(ECU Mag-Dique)

DATUM: Magna Sirgas

Projected Magna Colombia Bogota

LEGEND

- Rivers
- Lagoons/Swamps
- Populated centers
- Administrative limits
- ~ -30 m

Littoral Configurations

- Emerged Subunit
- Submerged Subunit

Sources

- National Basic Cartography Scale 1: 100.000, 2012. IGAC
- Diagnosis of erosion in the coastal zone of the Colombian Caribbean, Geomorphology and sedimentary facies Scale 1:100.000, 2007. INVEMAR
- Continental, coastal and marine ecosystems of Colombia. DEAM, IGAC, IAvH, INVEMAR, SINCHI. 2007
- Guidelines of the management plan for the environmental coastal unit Mag-Dique Scale 1:25.000, 2013. Agreement 221 CARDIQUE-INVEMAR
- Geomorphologic atlas of the Colombian Caribbean littoral Scale 1:50.000, 2010. DIMAR
- Geomorphologic map ANDEN CARIBE. Project GEO09-02 Scale 1:25.000, 2010. INGEOMINAS
- Nautical Chart COL 407 Scale 1:100.000, 1999. CIOH
- Nautical Charts COL 408 Scale 1:100.000, 1999. CIOH

Note: Any inconsistency in the cartographic overlay corresponds to scale differences of the sources

Para impresión tamaño doble carta