



**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	
02 - BBD - MBX	12EDF		10AHP	32GST	46BSP	05MOC	53SWD	14EMP
	13MIL		11AHU	33UAG	54SME	09AHA		24MMN
	23NAV		15MUP	35GRA	55WTP	16AHM		37DM
	26GTP		17EDM	38EEH		19PUG		39MDS
	31MAN		18PUC	41CAP		20SPS		40RDS
	36TPC		22INA	42VFE		34GMR		48ROP
	47CFP		29TYS	43CAP		49CYP		51BNS
	52DSP		30TSF	44CAP		50MUR		
06 - BVL - MBX	12EDF	42VFE	02UGM	16AHM	41CAP	05MOC	51BNS	14EMP
	13MIL	47CFP	03IDO	17EDM	43CAP	09AHA	53SWD	37DM
	23NAV	52DSP	04LUC	18PUC	44CAP	19PUG		39MDS
	26GTP	55WTP	07IFC	22INA	46BSP	20SPS		40RDS
	30TSF		08AHB	29TYS	54SME	24MMN		48ROP
	32GST		10AHP	34GMR		49CYP		50MUR
	33UAG		11AHU	35GRA		50MUR		
	36TPC		15MUP	38EEH				
11 - RLM - MBX	12EDF	47CFP	02UGM	16AHM	38EEH	05MOC	51BNS	14EMP
	13MIL	52DSP	03IDO	17EDM	41CAP	09AHA	53SWD	37DM
	23NAV	55WTP	04LUC	18PUC	43CAP	19PUG		39MDS
	26GTP		07IFC	22INA	44CAP	20SPS		40RDS
	32GST		08AHB	29TYS	46BSP	24MMN		48ROP
	33UAG		10AHP	30TSF	54SME	49CYP		50MUR
	36TPC		11AHU	34GMR		50MUR		
	42VFE		15MUP	35GRA				
47 - BVD - HAB	12EDF		02UGM	22INA	43CAP	03IDO	34GMR	14EMP
	23NAV		07IFC	29TYS	44CAP	04LUC	41CAP	24MMN
	26GTP		08AHB	30TSF	46BSP	05MOC	53SWD	37DM
	31MAN		10AHP	32GST	52DSP	09AHA		39MDS
	36TPC		11AHU	33UAG	54SME	16AHM		40RDS
	47CFP		13MIL	35GRA		17EDM		48ROP
	55WTP		15MUP	38EEH		19PUG		49CYP
			18PUC	42VFE		20SPS		50MUR
70 - BCT - SOB	12EDF		02UGM	29TYS	46BSP	04LUC	34GMR	14EMP
	13MIL		03IDO	30TSF	52DSP	05MOC	38EEH	24MMN
	23NAV		08AHB	33UAG	54SME	07IFC	49CYP	37DM
	26GTP		10AHP	35GRA	55WTP	09AHA	53SWD	39MDS
	31MAN		11AHU	41CAP		16AHM		40RDS
	32GST		15MUP	42VFE		17EDM		48ROP
	36TPC		18PUC	43CAP		19PUG		50MUR
	47CFP		22INA	44CAP		20SPS		51BNS
72 - BVL - SOB	12EDF		02UGM	17EDM	38EEH	05MOC		14EMP
	13MIL		03IDO	18PUC	41CAP	09AHA		24MMN
	23NAV		04LUC	22INA	43CAP	16AHM		37DM
	26GTP		07IFC	29TYS	44CAP	19PUG		39MDS
	32GST		08AHB	30TSF	46BSP	20SPS		40RDS
	36TPC		10AHP	33UAG	52DSP	49CYP		48ROP
	42VFE		11AHU	34GMR	54SME	50MUR		51BNS
	47CFP		15MUP	35GRA	55WTP	53SWD		
74 - BVF - SOB	12EDF	55WTP	02UGM	17EDM	35GRA	05MOC	53SWD	14EMP
	13MIL		03IDO	18PUC	38EEH	09AHA		24MMN
	23NAV		04LUC	22INA	41CAP	16AHM		37DM
	26GTP		07IFC	29TYS	43CAP	19PUG		39MDS
	36TPC		08AHB	30TSF	44CAP	20SPS		40RDS
	42VFE		10AHP	32GST	46BSP	48ROP		51BNS
	47CFP		11AHU	33UAG	54SME	49CYP		
	52DSP		15MUP	34GMR		50MUR		
75 - CTR - SOB	02UGM	36TPC	03IDO	18PUC	44CAP	05MOC	51BNS	37DM
	08AHB	42VFE	04LUC	19PUG	46BSP	09AHA	53SWD	39MDS
	12EDF	43CAP	07IFC	20SPS	54SME	14EMP		
	13MIL	52DSP	10AHP	22INA		24MMN		40RDS
	23NAV	55WTP	11AHU	29TYS		48ROP		49CYP
	30TSF		15MUP	34GMR		50MUR		
	33UAG		16AHM	38EEH				
	35GRA		17EDM	41CAP				
77 - RLM - SOB	12EDF		02UGM	22INA	44CAP	05MOC	38EEH	14EMP
	13MIL		03IDO	29TYS	46BSP	07IFC	49CYP	24MMN
	23NAV		04LUC	30TSF	47CFP	09AHA		37DM
	26GTP		08AHB	32GST	52DSP	16AHM		39MDS
	36TPC		10AHP	33UAG	54SME	17EDM		40RDS
	42VFE		11AHU	35GRA	55WTP	19PUG		48ROP
			15MUP	41CAP		20SPS		50MUR
			18PUC	43CAP		34GMR		51BNS

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

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

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MAP 8

**SECTOR
PUNTA DE PIEDRA**

00.751.534.56

Km

Scale 1:100.000

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LEGEND

Rivers

Lagoons/Swamps

Populated centers

Administrative limits

~ -30 m

Littoral Configurations

Emerged Subunit

Submerged Subunit

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

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