


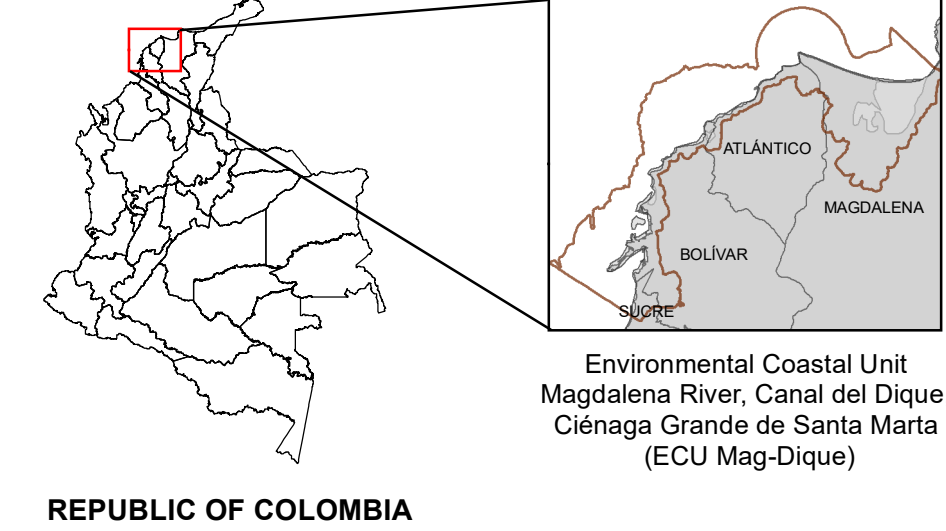
NATURAL SUSCEPTIBILITY TO THE EFFECT OF COASTAL INTERVENTIONS FOR THE ENVIRONMENTAL LICENSING PROCEDURE



School of Sciences
Earth Sciences Department

MAP 1. LITTORAL CONFIGURATIONS OF THE ENVIRONMENTAL COASTAL UNIT MAGDALENA - CANAL DEL DIQUE

GENERAL LOCALIZATION



REPUBLIC OF COLOMBIA

COORDINATES

START	END
North: 1742062,003999 m	North: 1588270,721367 m
East: 985729,763345 m	East: 792913,126586 m

LEGEND

Index Frames

Rivers

Lagoons and Swamps

Populated centers

Administrative limits

Environmental Coastal Unit (under constructions)

Littoral Configurations - code system

Emerged Subunit

NBX□ Naked beach
BBD□ Beach & Bare Dunes
BVD□ Beach & Vegetated Dunes
BCT□ Beach & Cliff/Terrace
BLS□ Beach & Lagoon/Swamps
BVL□ Beach & Vegetated Lagoon/Swamps
BFP□ Beach & Floodplain
BVF□ Beach & Vegetated Floodplain
CTR□ Cliff/Terrace of resistant rock
CTN□ Cliff/Terrace of Non-resistant rock
RLM□ River/Lagoon mouth

Submerged Subunit

MBX□ Muddy Bottoms
SBX□ Sandy Bottoms
SBV□ Sandy Bottoms with Biogenic Coverage
HBR□ Hard Bottoms of bare rock
HAB□ Hard Bottoms with Active Biogenic Coverage
HBO□ Hard Bottoms of Biogenic Origin
SOB□ Sandy Offshore Bars
ROB□ Rocky Offshore Bars

CARTOGRAPHIC BASE - REFERENCE INFORMATION

Sources

- National Basic Cartography Scale 1:100.000, 2012, IGAC
- Preliminary delimitation of the ECU Mag-Dique (under construction). Ministry of Environment and Sustainable development, 2013
- 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. IDEAM, IGAC, IAH, 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 261 Scale 1:25.000, 2003, CIOH
- Nautical Chart COL 407 and COL 408 Scale 1:100.000, 1999, CIOH
- Nautical Charts COL 409 Scale 1:100.000, 2004, CIOH
- Nautical Chart COL 616 Scale 1:50.000, 2001, CIOH

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

DATUM: Magna Sirgas Projected Magna Colombia Bogota
The associated ellipsoid corresponds to the GR50, equivalent to WGS84

0 3 6 12 18 24 Km

1:250.000

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