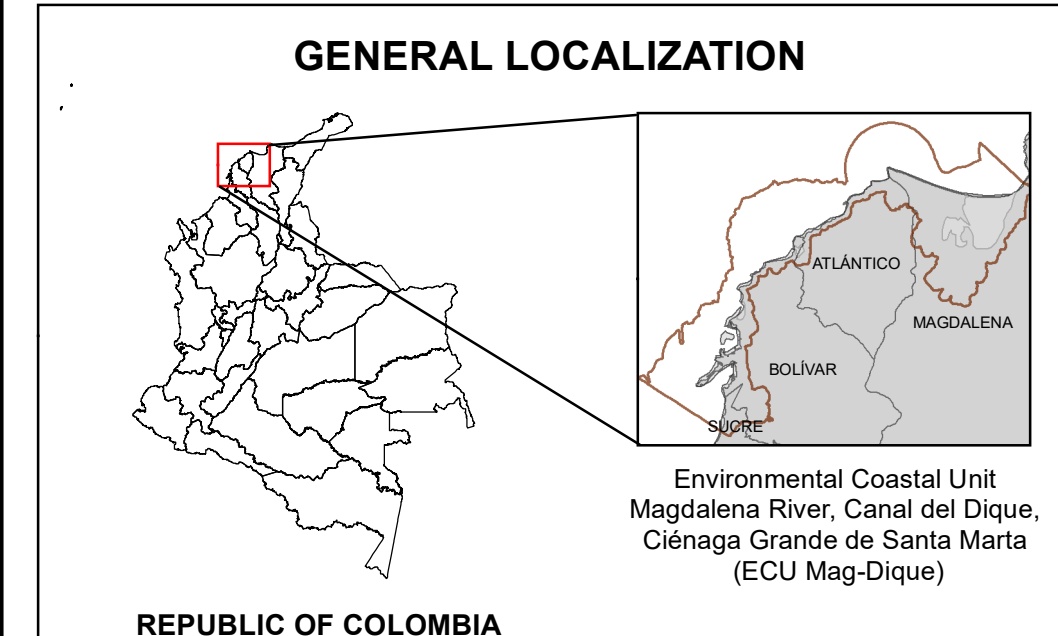


NATURAL SUSCEPTIBILITY TO THE EFFECT OF COASTAL INTERVENTIONS FOR THE ENVIRONMENTAL LICENSING PROCEDURE

UNIVERSIDAD EAFIT School of Sciences Earth Sciences Department
Vigilada Mineducación

MAP 2 SUSCEPTIBILITY OF THE LITTORAL CONFIGURATIONS WITHIN THE ENVIRONMENTAL COASTAL UNIT MAG-DIQUE



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
- HBX□ 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, IAHV, INVEMAR, SINCHI, 2007
- Guidelines of the management plan for the environmental coastal unit Mag-Dique Scale 1:250,000, 2013, Agreement 22 of the CARDIQUE-INVEMAR
- Geomorphological map of the Colombian Caribbean littoral Scale 1:50,000, 2010, DIMAR
- Geomorphological map ANDEN CARIBE, Project GE009-02 Scale 1:250,000, 2010, INGEOMINAS
- Nautical Chart COL 261 Scale 1:250,000, 2003, CIOH
- Nautical Chart COL 407 and COL 408 Scale 1:100,000, 1999, CIOH
- Nautical Charts COL 408 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 GR530, equivalent to WGS84

| 1:250,000 | | |
|-----------------------------------|---------------------------------------|--|
| DATE: | Map: | Rev. |
| NOVEMBER 2018 | 1/1 | 1 |
| AUTHOR: | REVISION: | APPROVAL: |
| Cristina I. Pereira PhD. Cand. | O. Geovany Bedoya Chief Department | PhD. Ivan Correa PhD. Enzo Pranzini |

Para impresión tamaño pliego