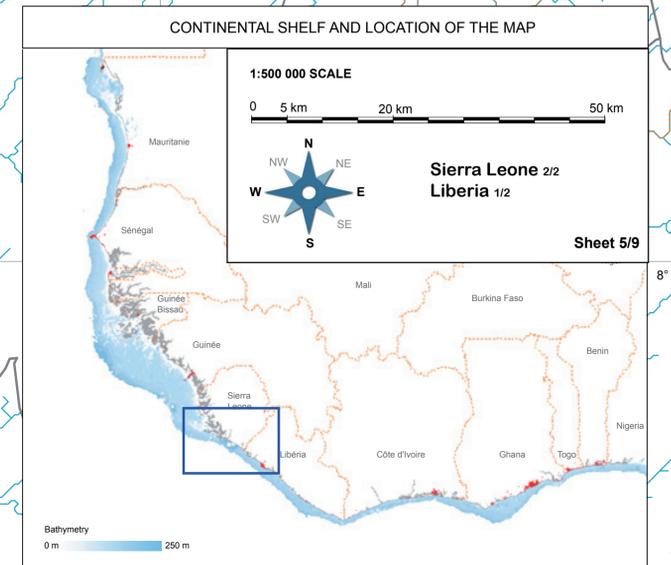


REGIONAL SHORELINE MONITORING STUDY AND DRAWING UP A MANAGEMENT SCHEME FOR THE WEST AFRICAN COASTAL AREA



CARTOGRAPHY OF GEODYNAMIC ANALYSIS



ROAD NETWORK

- Country borders
- Major road
- Minor road
- Tertiary road
- Dykes
- Railway

URBAN AREAS

- Dense urban fabric
- Loose urban fabric
- Very loose urban fabric
- Open space
- Non discriminated urban areas
- Hub intersection

HYDROGRAPHY

- Graduated water system
- Water body lagoon
- Dam reservoir

WETLANDS AND MARSHES

- Alluvial plains
- Hydromorphic alluvial plains
- Undifferentiated wetlands
- Salt marshes (sebkhras)
- Margins of salt marshes (sebkhras)
- Mangroves

SEDIMENTOLOGY - LITHOLOGY

SANDY FORMATIONS

- S- Dune rims and recent terraces
- Sd - Smoothed dune formations (North of Dakar)
- Sct - Ancient sandy terraces (South of Dakar)
- Sh -Hydromorphic terraces
- Sc -"Dior" type sands

INTRUSIVE, METAMORPHIC ROCKS

- P - Weathered granite and metamorphic rock, with seams of harder rock in places
- Pr - Solid rocks : quartzite, gabbro,basalt.

WEATHERED SEDIMENT FORMATIONS WITH INCLUSIONS OF HARDPAN AND RESISTANT ROCK

- K - Clay, sandy, pebbly materials from limestone and marlstone to ferruginous cuirasses
- Tb -Sans to clay materials from the "terre de barres" formation
- Gr - Sandy materials from more or less weathered sandstone
- Ct - Loose or partially consolidated pre-quaternary sediment formations

ORIENTATION OF SEDIMENTARY DEPOSITS

- Coastal drift
- River mouths
- Tidal flows

INDICATIVE BATHYMETRY

- 0 to 5 meters
- 5 to 10 meters
- 10 to 20 meters
- Shoals
- Sand-mud banks
- Reefs-shoals

Isolated shoals of under 20m situated seaward of the main 20m isobath are not shown.

TYPOLOGY OF SEA FRONTS

1 - MUD OR SANDY COAST REGULARLY COVERED BY THE TIDE

- 1A- Apparent coastline of mangroves materialised by continuous barrier of trees
- 1B- Apparent coastline with discontinuous border of mangroves and/or coastal mudflats
- 1C- Apparent coastline typified by thin fringe of mangroves adjacent to locally rocky and/or solid hill topography

2 - SANDY OR SILTY COAST LOCATED IN NATURALLY HIGHLY UNSTABLE SITES

- 2A- Sandy or silt coast associated with mangroves and not covered by the tide
- 2B- Coastline of islets, sandbanks and insular splits
- 2C- Estuary and coastal river littoral zones

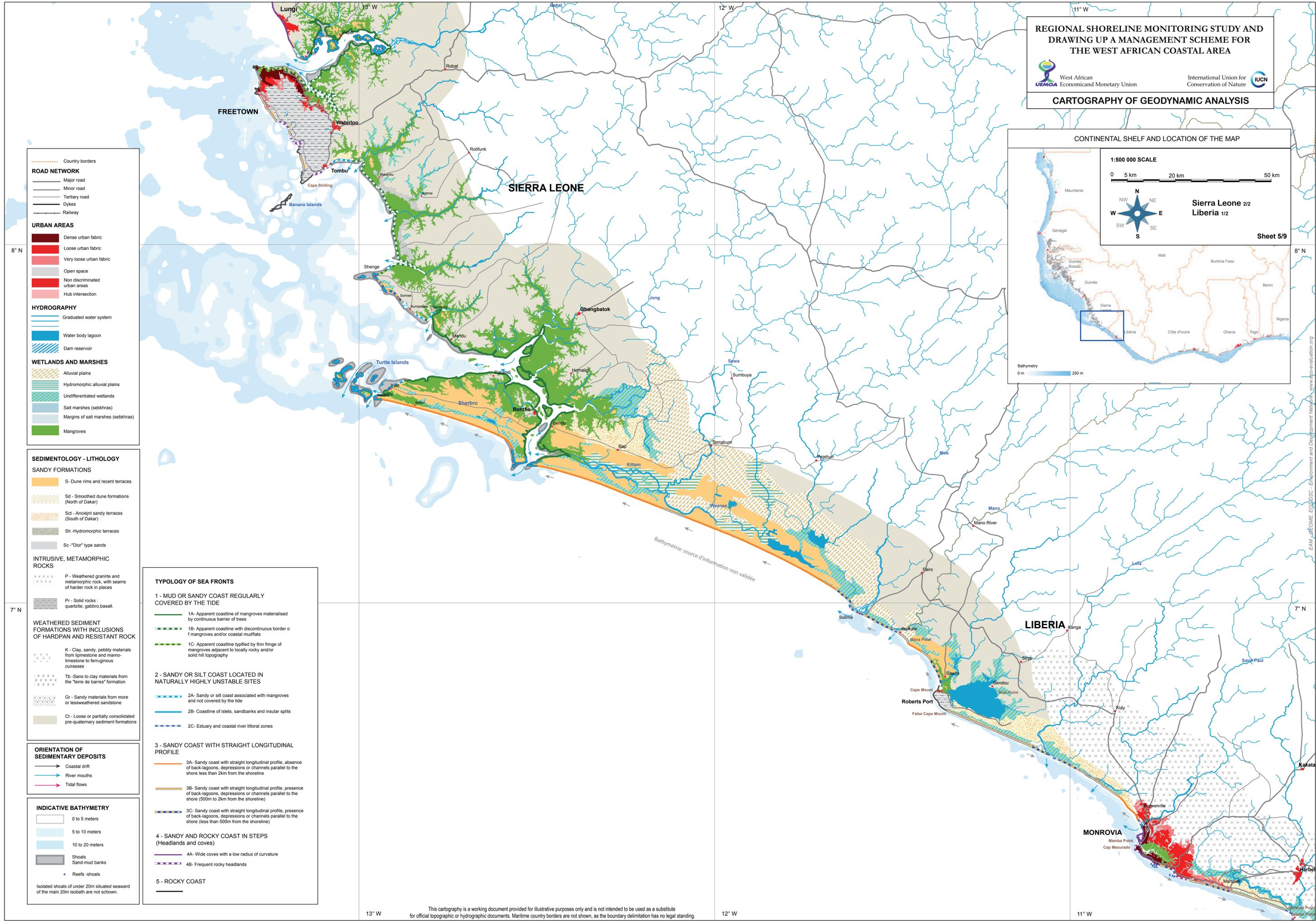
3 - SANDY COAST WITH STRAIGHT LONGITUDINAL PROFILE

- 3A- Sandy coast with straight longitudinal profile, absence of back-lagoons, depressions or channels parallel to the shore (less than 2km from the shoreline)
- 3B- Sandy coast with straight longitudinal profile, presence of back-lagoons, depressions or channels parallel to the shore (500m to 2km from the shoreline)
- 3C- Sandy coast with straight longitudinal profile, presence of back-lagoons, depressions or channels parallel to the shore (less than 500m from the shoreline)

4 - SANDY AND ROCKY COAST IN STEPS (Headlands and coves)

- 4A- Wide coves with a low radius of curvature
- 4B- Frequent rocky headlands

5 - ROCKY COAST



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