

The Regional Training Workshop on Methodologies for Coastal Inventories & Information Management

Appendix XXIV

Data requirements for Component 6 (wish list)

- Maps showing what is located on the coast, within 6, 3 and 1 meter of mean sea level (cities, ports, resort areas, tourist beaches, industrial areas)
- Topographic maps, preferably with at least 3-m contour intervals
- Survey maps
- Aerial photographs
- Satellite imagery (not required, but useful for geomorphic interpretation, if available)
- Bathymetric maps, particularly of the nearshore areas (less than 10 meters of water)
- Tide gauge data to determine long-term sea level rise and storm tides and frequency
- Wave data, either from gauges or shore observations over the longest period of record possible
- Historical data, including flood maps, photos taken during floods, and storm impact data (flood elevations (storm surge) with return periods of 1:1; 1:10; 1:100 and 1:1000 and flood elevations)
- Historical shoreline change data to calculate erosion rates where accurate and available.
- Sediment impoundment through construction of dams on rivers, seawalls, and jetties (or proposed projects) that could adversely affect the sediment budget of a beach.
- Population density data
- Present Coastal Problems: beach or shore erosion, cliff erosion, wetland loss, coral reef degradation, flooding, water supply (from coastal rivers or aquifers). Qualitative or preferable quantitative information (long-term better than short term).
- Responses to these coastal problems, if any (seawalls, nourishment, etc)