

GIS/Base Mapping Process

(example from Kenya Demo Site)

- **Overview of the steps in the process:**

1. Define the project demo site area utilizing published topographical maps
2. Meet with different key stakeholders to understand their main concerns and interests
3. Prepare a list of key categories for GPS collection points
4. Ask for, and obtain where possible, any existing geographical data from stakeholders/government departments
5. If no up-to-date imagery is available, order fresh imagery of the site (can take a couple of months to capture)
6. Collect the GPS data through a field visit
7. Collect supplementary information from interpretation of the satellite image
8. Prepare soft copy map versions for stakeholder sharing and discussion and link with demo project activity planning
9. Prepare final map products for publishing on website and for practical displays within the project area.
10. During the project period, the satellite imagery can be utilized for any further analyses that may be required and products of such analyses will be shared via the e-resources page on the COAST website.

Define project area – Watamu/Mida Site, Kenya



Watamu/Mida Demo Project Site
Field Data Capture Sheet (land)
based on Stakeholder discussions

Item Type	Data (enter figure, text or ✓)	Remarks
Coordinates E		
Coordinates N		
Solid Waste site		
Dominant land use		
Land form type		
Soil form /type		
Historical site		
Conservation site		
Sacred site		
Plantation site		
Hotel/ Restaurant		

Field Data Capture Sheet (Land GPS)
example - Watamu/Mida Demo project Site

EASTING	SOUTH	PHOTO LINK No.	REMARK
39.97195	-3.38602	Kenya 106	Temple point Hotel
39.97492	-3.38485		Beach access point from Temple point Hotel (a)
39.97116	-3.38792		Beach access point from Temple point Hotel (b)
39.97095	-3.3883		Beach access point from Temple point Hotel (c)
39.97825	-3.38525		Garoda Resort Hotel
40.00351	-3.36275	Kenya 018	Turtle Bay Hotel
40.00202	-3.36281		Beach access point from Turtle Bay Hotel (a)
40.00386	-3.36485		Beach access point from Turtle Bay Hotel (b)
39.96493	-3.32908	Kenya 022	Mida (AROCHA) board walk
39.96542	-3.32575	Kenya 024	Mida Resturant (community)
39.97072	-3.32157	Kenya 026	Eco-camp
39.98161	-3.33327	Kenya 028	Fishing site (marine) Sita Mida
39.98414	-3.3359		Mangrove Forest Sita Mida
39.99696	-3.34192	Kenya 031	Dabaso Mosque
39.99768	-3.34175	Kenya 030	Dabaso Secondary school (ACK. Canon Mweri)
39.99734	-3.34223	Kenya 032	Dabaso St.Stephens Parish Church
39.99714	-3.34449		Clinics (Clayton construction and Hutton 2002)
39.99008	-3.34509	Kenya 033	Dabaso Board walk
39.98898	-3.34526	Kenya 034	Dabaso Restaurant

Examples of map/ GIS products

Example 1: Watamu Dive sites outside the National Park

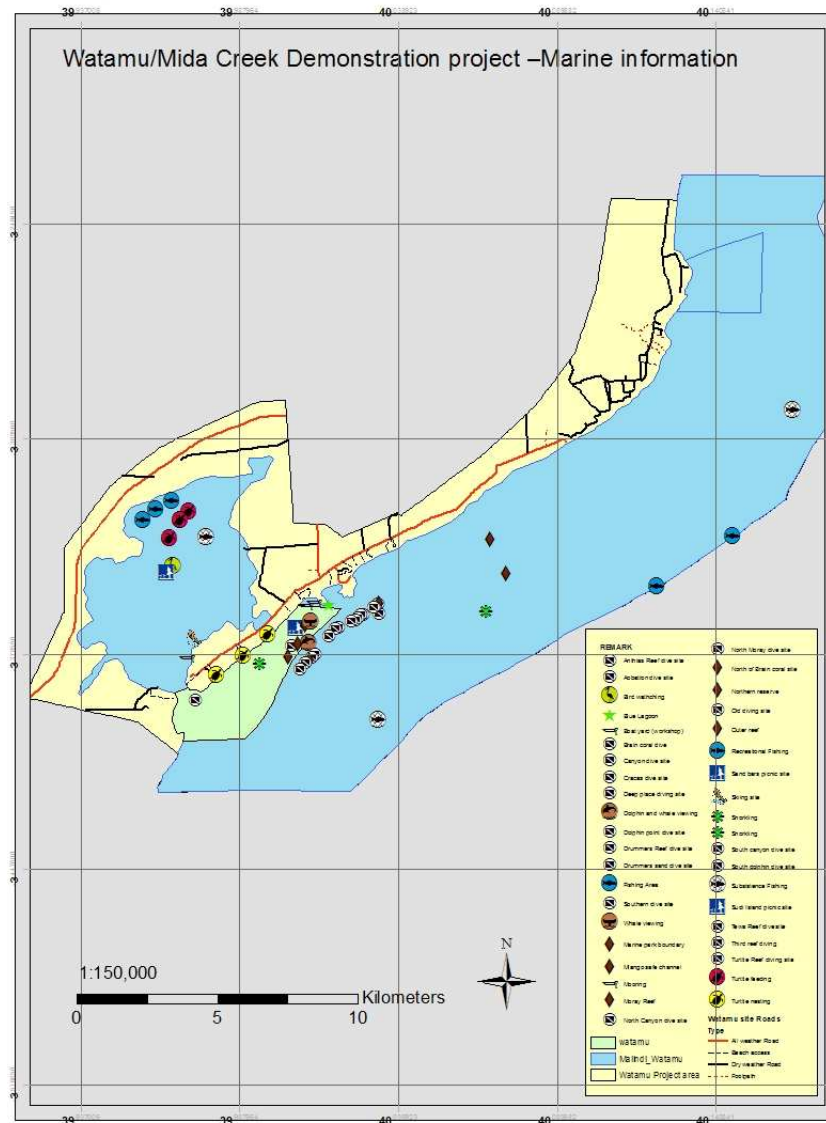


Example 2: Overlay of Satellite Image and GPS points for Hotels in Watamu

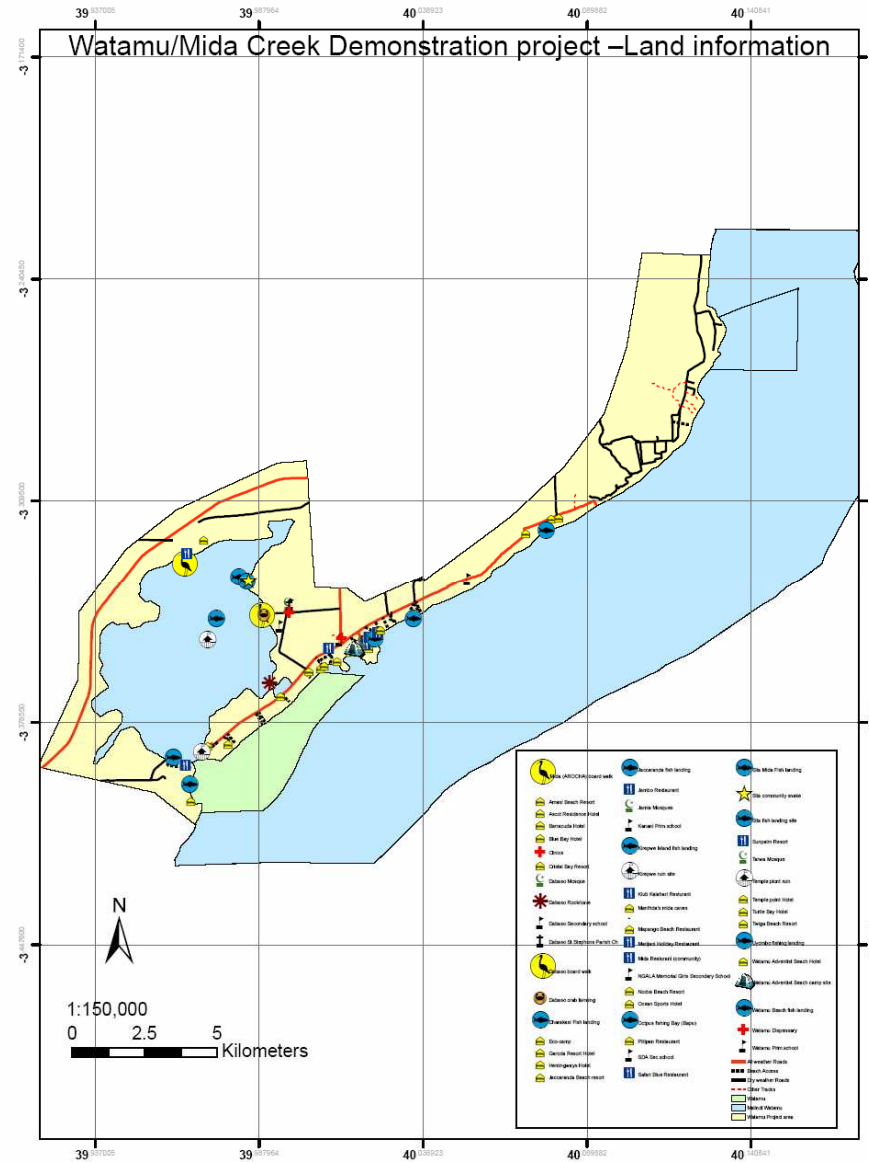


Draft Maps for discussion with Demo Site Stakeholders

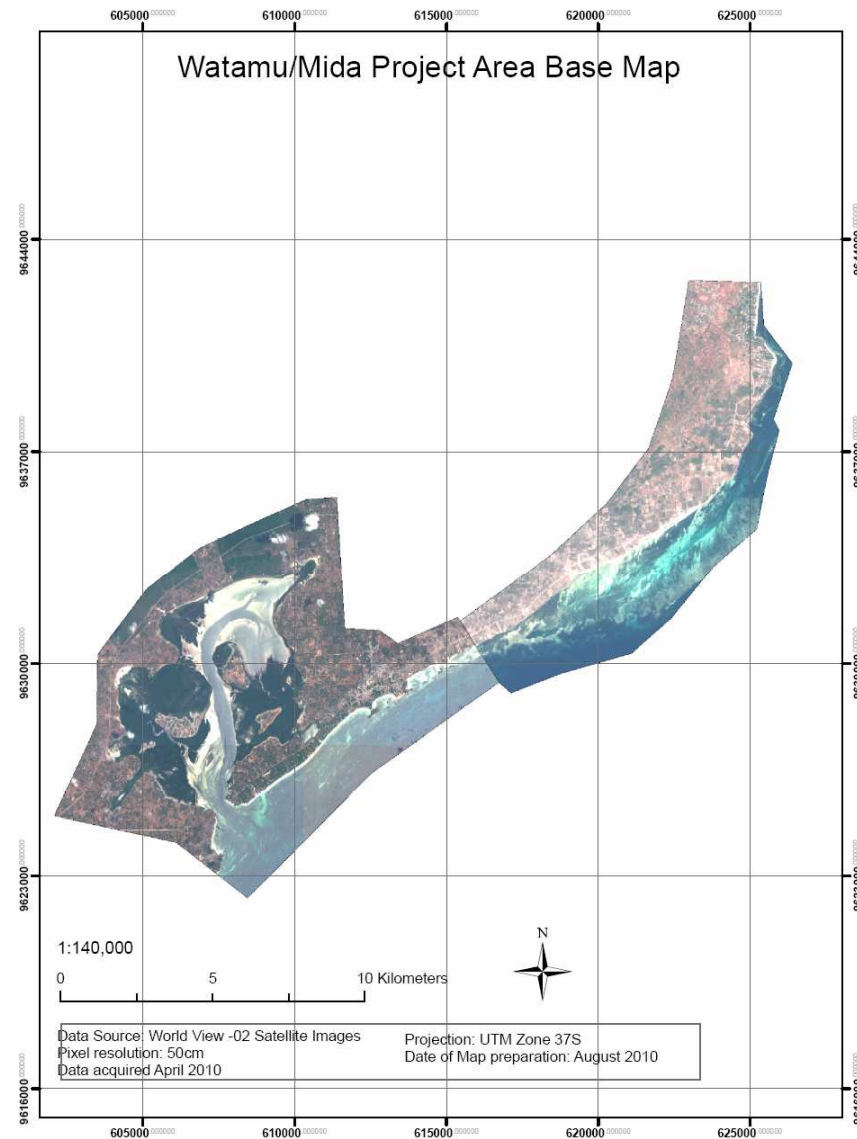
(Marine information)



Maps for Discussion with Stakeholders (Land information)



Watamu Project area (Satellite Image Mosaic)



Thank You!

