

Ras Kisimani

Eco Lodges and Permaculture Food Forest

planned at

Mafia Island Tanzania

This presentation is about a project that will be divided into two parts:

- 1. Kisimani Farms; this will be a non-profit organisation. Our aim is to set this up like Zaytuna Farms, PRI Australia.*
- 2. Ras Kisimani Ecolodge; this lodge will be a for-profit business*

These projects will be formed into a symbiotic relationship.*

*Set up your business structure or organizational structure.

A possible structure is a symbiotic relationship between a nonprofit and a for-profit business. A nonprofit is essential for certain grant funding and tax exemption purposes. For-profit business may allow you to get funding from investors.

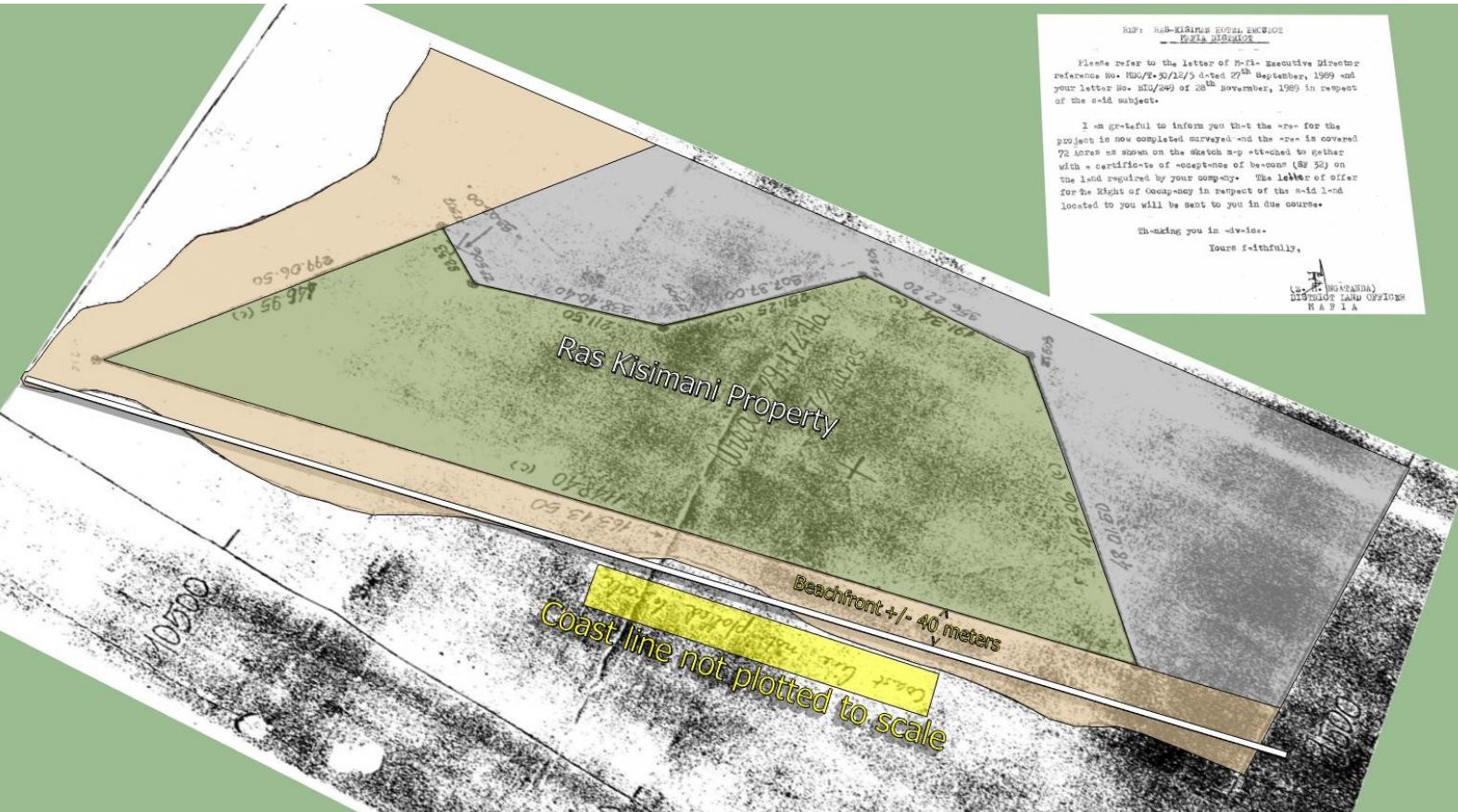
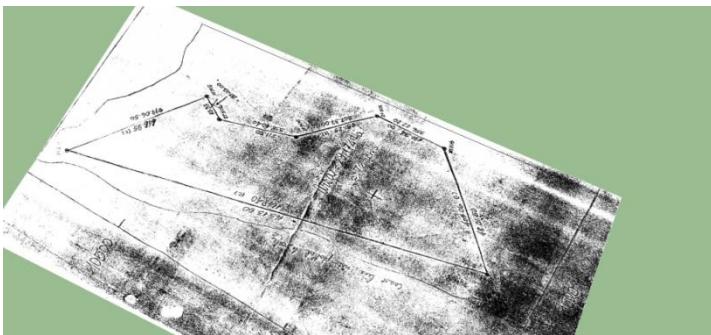


Location









Ref: Ras-KISIMANI HOTEL, MOMBASA
— Mombasa Province

Please refer to the letter of M/s the Executive Director
reference No. MDC/T/30/12/5 dated 29th September, 1989 and
your letter No. MDC/280 of 28th November, 1989 in respect
of the said subject.

I am grateful to inform you that the area for the
project is now completed surveyed and the area is covered
72 Acres as shown on the sketch map attached together
with a certificate of occupancy (S.R. 32) on
the land required by your company. The letter of offer
for the Right of Occupancy in respect of the said land
located to you will be sent to you in due course.

Thanking you in advance.

Yours faithfully,

Mr. K. M. MACHABA
DISTRICT LAND OFFICES
MOMBASA

Original Survey 1989





Ras Kisimani Eco Lodges and Permaculture Forest Proposal

Project lay-out on original survey





New proposed lay-out after boundary recovery:

Green = farm area

Yellow = Eco-lodge area





Ras Kisimani beach





Ras Kisimani Lagoon





Ras Kisimani is the far western cape of the main island, facing the Rufiji Delta. Kisimani Mafia, just north-east of the Cape is KiSwahili for "the place of the well". An old town dating to the 12th Century has been drowned by rising sea levels and a collapsing foreshore for over 100 years. The Kinasi library contains a full account of the archaeology of these ruins, once the most important town on Mafia, especially from the 12th to 14th Centuries. It was founded by Bashat, one of the sons of the first Sultan of Kilwa, and extended the control of the Sultan to Mafia. The power and wealth of the Sultan of Kilwa was based upon gold, ivory and customs tariffs on all goods traded on the southern coast. In its time it was far more important than Zanzibar but its economic influence waned upon the arrival of the Portuguese at the end of the 15th Century. There is little left of the town now, but visitors can easily find many beautiful potsherds and coins in the ruins and on the beautiful palm-fringed beach. The circular rock weights used to confine slaves at night can also be found here. Due to erosion the old well from which the town took its name now stands on the beach. The whole area is now a protected core zone of the Mafia Island Marine Park.

Kisimani Mafia, the "Place of the Well"





N.B.

—
Total number of crops
per each item:

a)	coconut trees	...	2,497
b)	cashewnuts	...	190
c)	mango trees	...	48
d)	guava trees	...	12
e)	banana trees	...	17
f)	pineapples	...	45
g)	lemon trees	...	7
h)	orange trees	...	2

Ras Kisimani Landview



Mafia Island's Accessibility





Kilindoni Airport to be renovated and made suitable for 55+ passenger airplanes



Boost for tourism

*New Kilindoni Jetty to land
bigger ships*

Situation June 2012





← Renovation
Mafia Airport
October 2012



← Temporary Customs and
Tax-Free shop



Marine Life
M. I. M. P
(Mafia Island Marine Park)

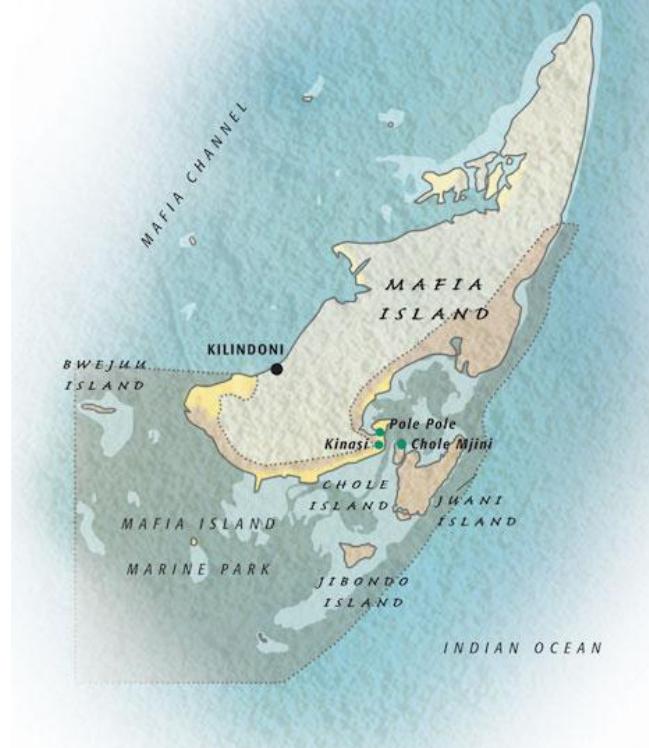
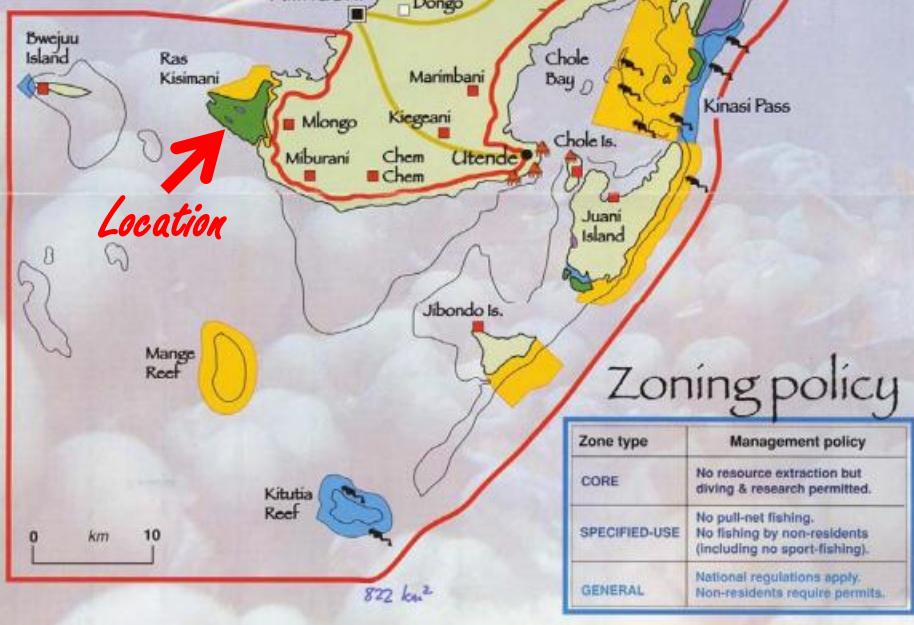


MAFIA ISLAND MARINE PARK

Key

- Marine Park boundary
- Land
- Core Zone (terrestrial)
- Specified-use Zone (terrestrial)
- Reef
- Core Zone (marine)
- Specified-use Zone (marine)
- SCUBA dive-sites
- Tourist lodges
- MIMP villages
- Other villages

MIMP HQ is located at Utende



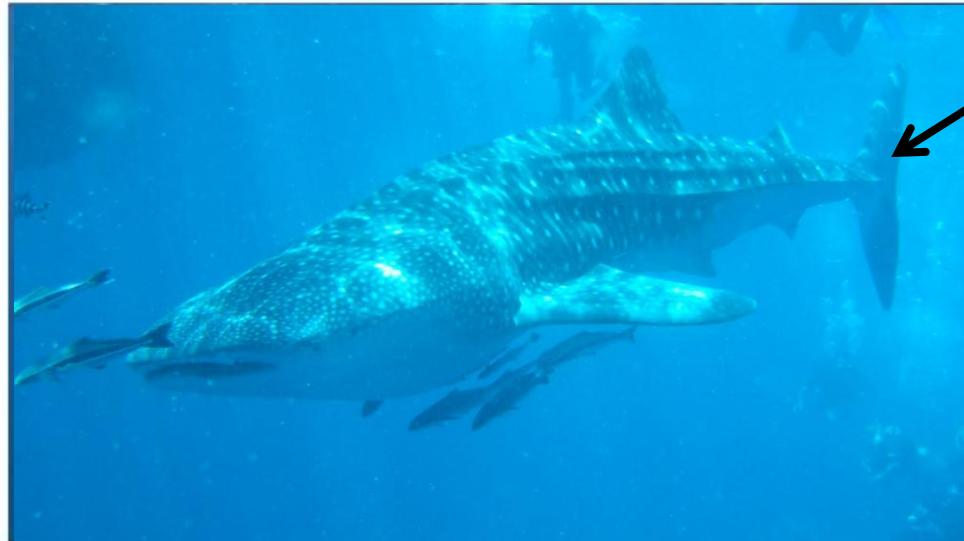


BBC - Oceans - The Indian Ocean - The Spice Islands - Whale sharks, off Mafia Island

BBC Oceans investigates whalesharks

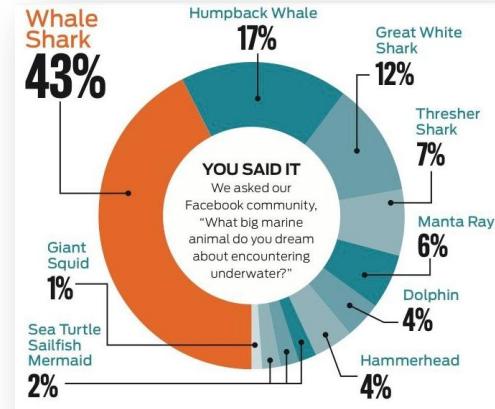
bbc.co.uk

Hawkesbill Turtles nest
on our beaches



squalo balena - whale shark - Mafia island Tanzania 2008

These whalesharks swim in
groups right in front of our
plot



 WWF Global ▾

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Dugong conservation in Tanzania

[Like](#) 0 [Tweet](#) 0 [Share](#)

Posted on 05 April 2005 | [0 Comments](#)

Mafia Island, Tanzania – WWF has initiated a dugong conservation programme in the islands off the Tanzanian coast, in an attempt to protect one of the world's most threatened marine mammals.



THE DHOW WRECK ON MWAMBA UKUTA FRONTIER lost a 12 m dhow close to Ras Kisimani, during high winds that forced the vessel onto the reef. Heavy seas then overturned her and she has since become home to a variety of interesting fish, including giant batfish and groupers. This excursion is wonderful when coupled with a picnic on Ras Kisimani beach.

MANGE REEF AND SANDBAR This is a sand bar with patch reef 3 km long located 18 km south-west of Kinasi. The best dive site is off the eastern corner of the reef where the reef drops off to a maximum depth of 20 m. At 10-14 m the coral is dominated by massive, encrusting forms with an impressive variety of soft corals flourishing at all depths. There are many juvenile fish, extensive stands of staghorn coral, octopus, crayfish, moray eels, and large pelagics.

Excursion dive safaris outside of Chole Bay

12 Kitutia Reef

DIFFICULTY: EASY

MAXIMUM DEPTH: 22 MT

TYPE: SLOPE

VIS: 15 – 30 MT.

13 Mange Reef

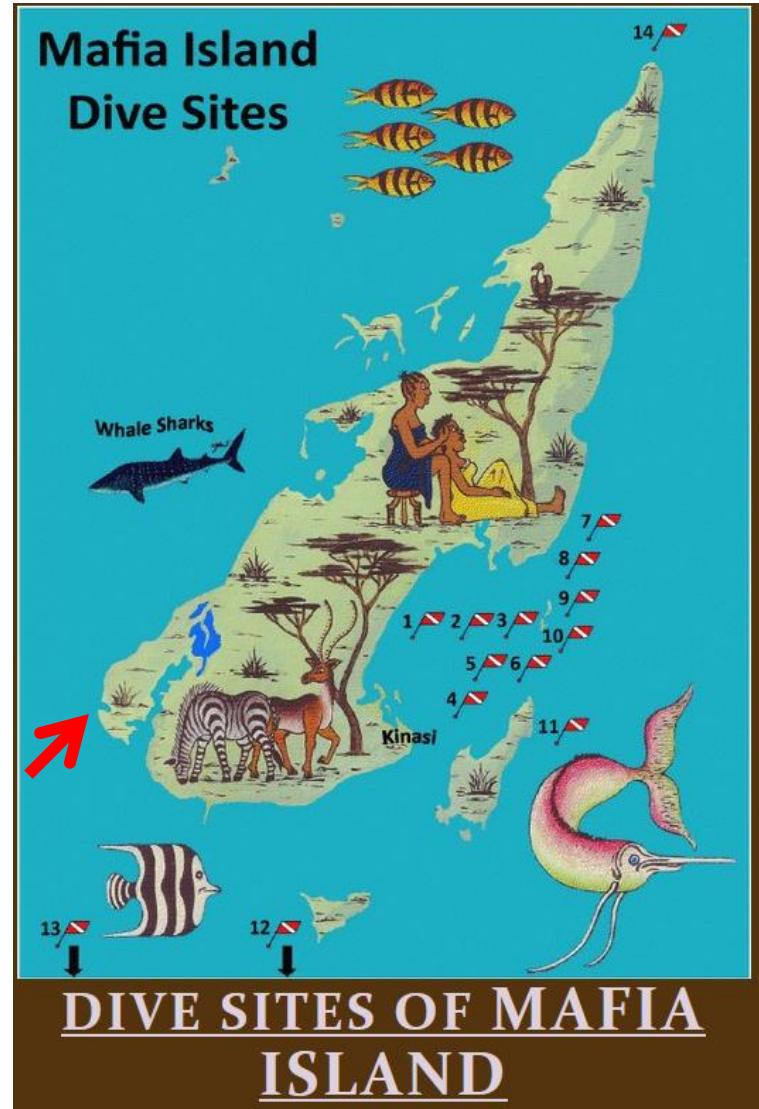
DIFFICULTY: EASY

MAXIMUM DEPTH: 26 MT.

TYPE: SLOPE

VIS: 15 – 30 MT.

Location



History



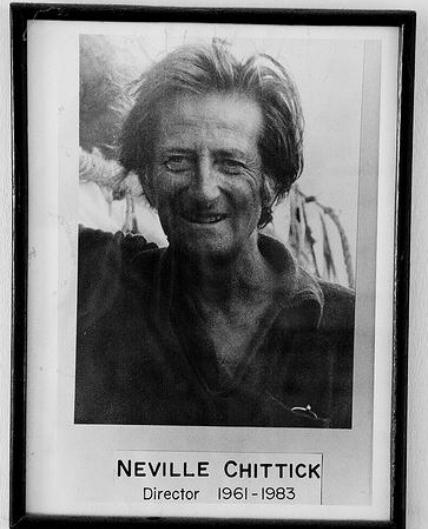


(l to r) Donald Wiseman next to his good friend Agatha Christie, her husband Max Mallowan, and Neville Chittick, on a dig at Nimrud

Neville Chittick, 1961-1983



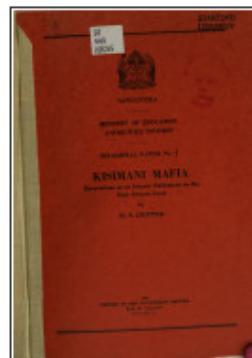
Neville Chittick was appointed the first Director of the Institute in 1961, a year after the Institute had been formally inaugurated. Immediately prior to this he had been the first Conservator of Antiquities in what was then Tanganyika. His principal research interest was the pre-Portuguese coastal archaeology of eastern Africa, and particularly the influence of Islam and maritime trade on the formation of Swahili identities. He conducted extensive excavations at the southern Swahili town of Kilwa, with its celebrated architectural remains, the results of which were published as a two volume report in the Institute's Memoirs series. His work at Kilwa and related sites on the southern coast and islands continued till the mid-1960s, after which he turned his attention to Manda, an early northern Swahili town located in the Lamu archipelago in northern Kenya, and various sections of the Somali coast, including the important 1st century BC to 5th century AD sites at Ras Hafun. Between 1972-74, he directed excavations at Aksum in northern Ethiopia, focussing in particular on the residential and burial areas associated with the elite. Unfortunately, the 1974 Revolution in Ethiopia and subsequent events curtailed further work at Aksum for the next two decades. The results of Chittick's research were nevertheless written up and published posthumously by Stuart Munro-Hay in the Institute's Memoirs series.



Portrait of Neville Chittick, Director of the British Institute in Eastern Africa 1961-1983, who was leading the excavations at Kilwa in the 1960s.

Picha ya aliyekuwa Mkuungenzaji wa British Institute Afrika Mashariki miaka ya 1961 - 1983. Chittick aliyekuwa uchimbua huko Kilwa miaka ya 1960 na kuendelea.

Kisimani Mafia: excavations at an Islamic settlement on the East African coast



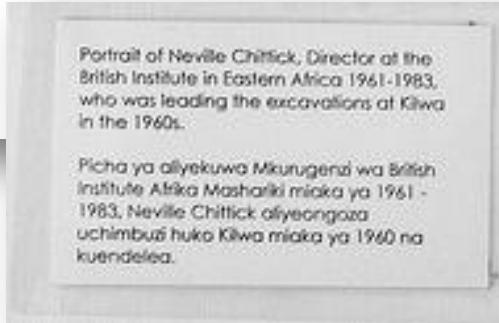
Q +1 0

H. Neville Chittick



0 Recensies

Government Printer 1961 - 33 pagina's



This Islamic settlement
(Kisimani Mafia) is
right on our plot



Historic 11th century coins returned to Tanzania

By **In2EastAfrica Reporter**



Kilwa coin

Tanzania has received coin collections from Kilwa and Kisimani Mafia, excavated in the area by the late Dr Neville Chittick, who worked in Tanzania as an archaeologist and researcher for many years.

The handing over ceremony of 1,446 Tanzanian coins was held in Dar es Salaam and were received by the Director of Antiquities, Mr Donatius Kamamba on behalf of the ministry of Information, Youth, Culture and Sports and witnessed by various media

representatives and members of the National Museum of Tanzania.

"What we are witnessing here today could not happen if it was not for the effort made by British Institute in Africa to curate the coins and return them to Tanzania," said Dr Kamamba, adding that the occasion is one of the important events towards Tanzania's effort to return its cultural heritage resources which have been deposited abroad even before colonial time.

He said the collection, which is one of the biggest and most important collections of Swahili Coast coins in the world, was handed over by the current director of the British Institute in East Africa Dr Ambreena Manji and Mr John Perkins, who played a major role to curate and document the coins.

These coins were partly found on our site, and date from the 13th century





Tanzanian Maritime and Underwater Cultural Heritage Program - TMUCH

Mafia Island

Maritime and Underwater Cultural Heritage Survey March 2012

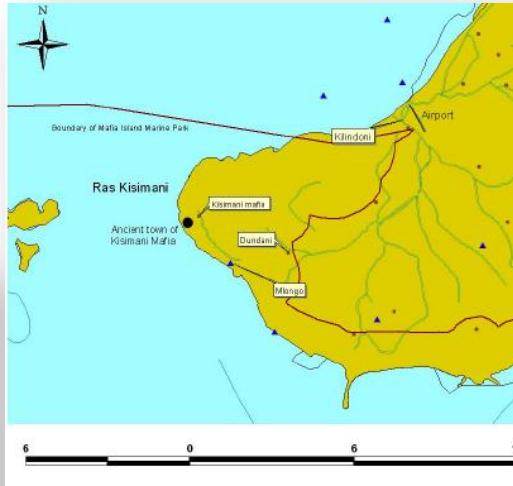


Figure 5: Kisimani Mafia site location



Figure 8: Ceramic shards collected from the beach (small shards) and some from underwater (larger shards) Scale: 10cm on the left, then 20cm



Figures 9, 10, 11: Ceramic shards collected from the beach, scale in cm



Figure 20: Stone can (as marked on site plan)



Figure 13: Kilwa minted coin on the beach



Figure 7: One of the wells found intact on the beach.

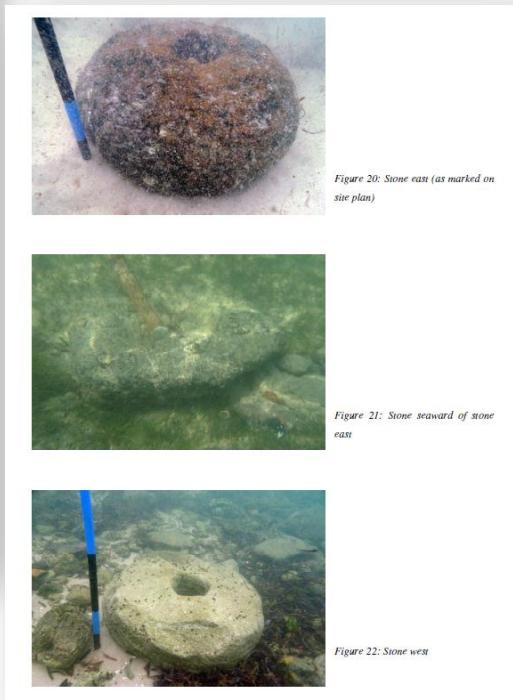
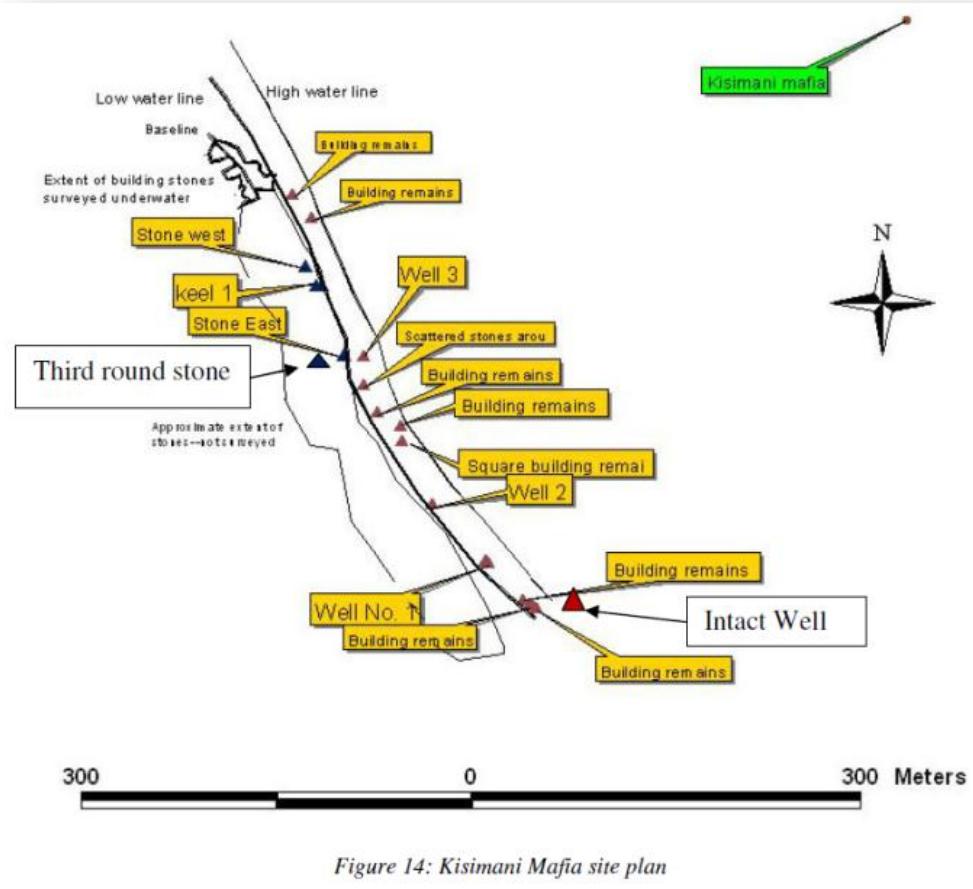


Figure 22: Stone well

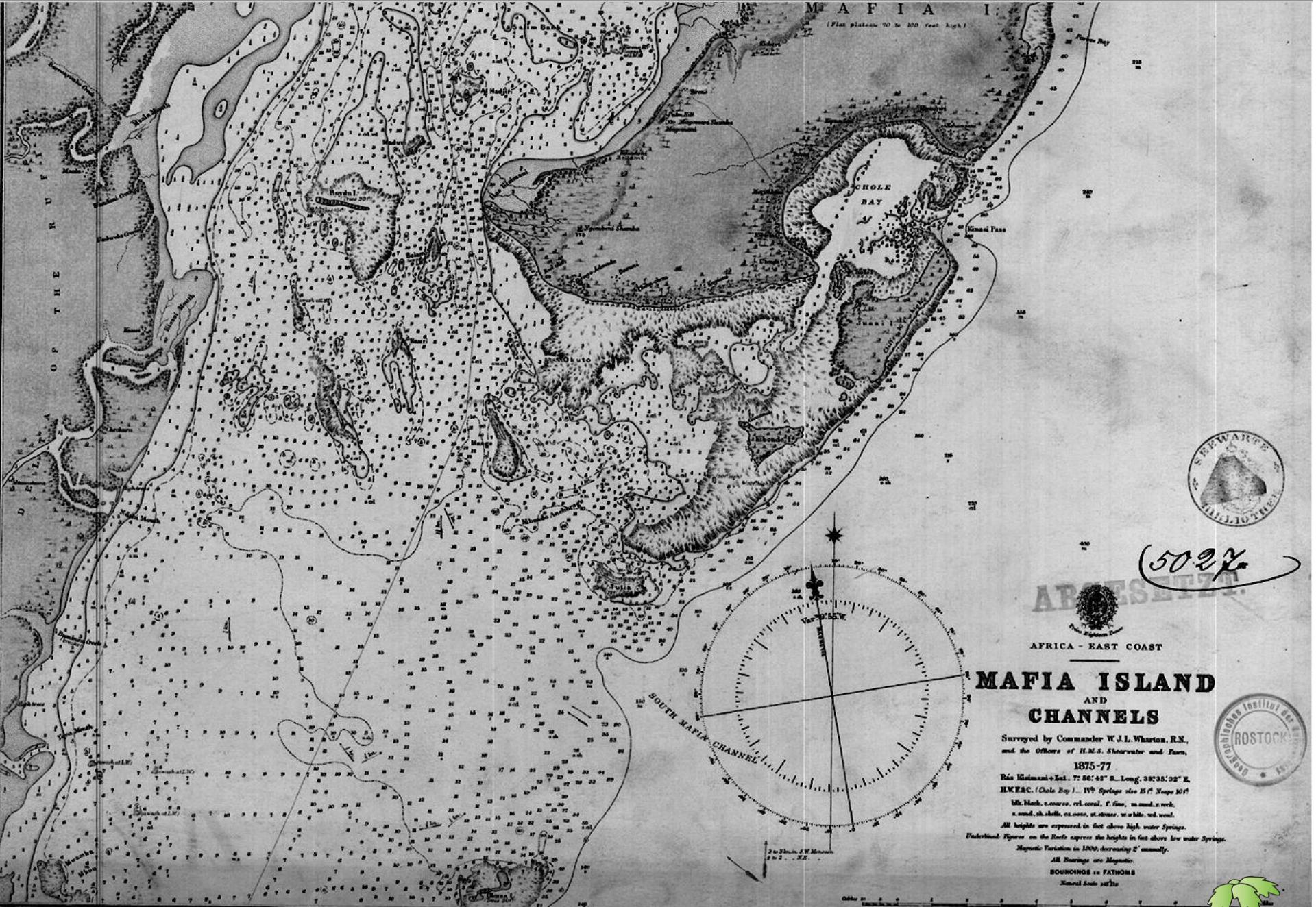




This is one of the tree ancient masks on our plot

social and cultural dimensions. Several sites of historic ruins lie within the marine park, one at Ras Kisimani dating back to the 12th Century. Chole Island in the 15th – 19th





This chart was made 3 years after a cyclone ruined Kisimani Mafia (1872), the town situated on our site



Accomodation
Ras Kisimani Eco Lodge



Budget Serengeti

Budget Serengeti's are in stock!



The two new Budget Serengeti includes a mild steel galvanized frame, medium canvas tent body & rain fly, stitched in ground sheet, zip on/off bathroom extension, stitched in zips, air vents, body and leg pegs, inner window storm flaps and are olive in color. The Budget Serengeti does not require a platform to be placed upon.



4-leg Budget Serengeti

*Base tent
to be customized
and placed on
wooden deck*



Tent body (sleeping area) variations

3.5M x 4.6M
3.5M x 5.2M
3.5M x 5.9M
3.5M x 6.6M
3.5M x 6.9M
3.5M x 7.2M

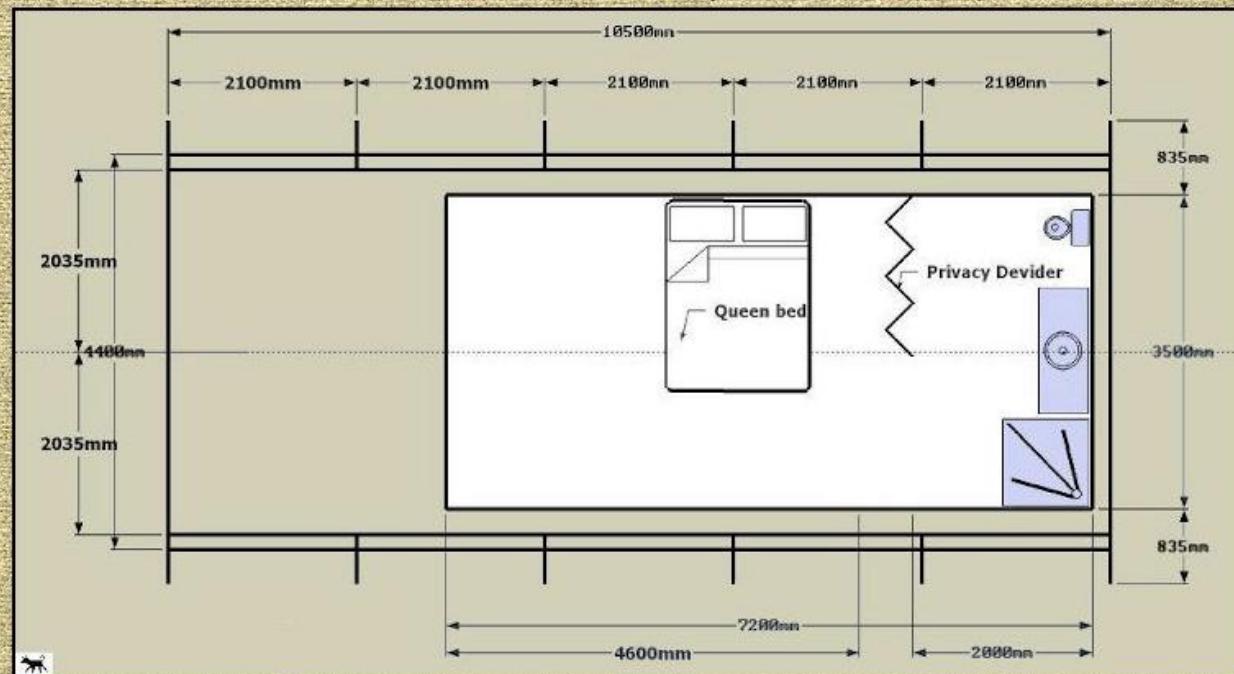
Other Serengeti options

Canvas bathroom walls and end gable

Wooden front door - single

Wooden front door - double

Royal End Gable



Typical 6-Leg Serengeti Tent layout with open-plan bathroom in rear.

Some basic Serengeti configurations are as follows:

Serengeti 4-Leg no bathroom (3.5x3.5m sleeping area) Total dims 6.3x5.1m

Serengeti 5-Leg with bathroom (3.5x5.2m sleeping area) Total dims 8.4x5.1m

Serengeti 5-Leg with bathroom (3.5x4.6m sleeping area) Total dims 8.4x5.1m

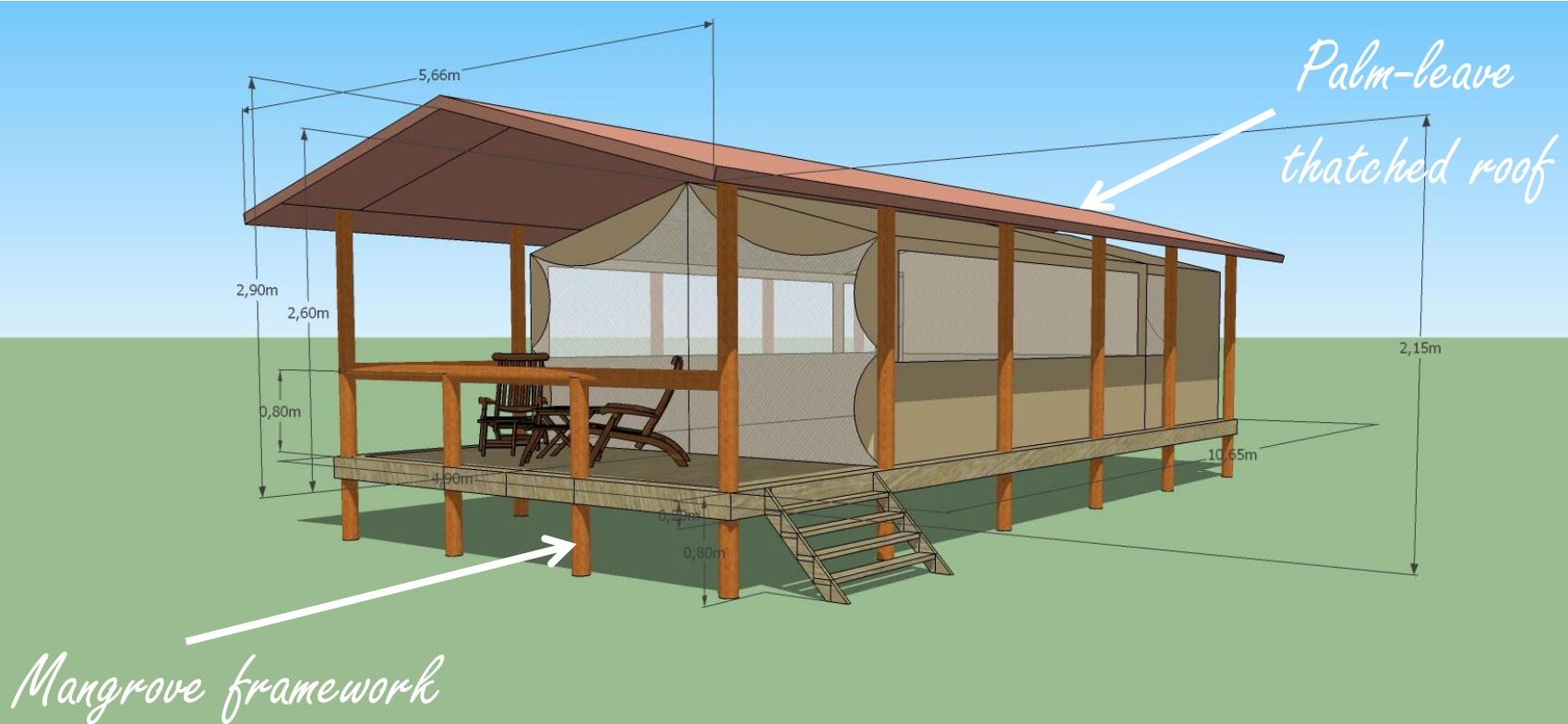
Serengeti 6-Leg with bathroom (3.5x4.6m sleeping area) Total dims 10.5x5.1m

Serengeti 7-Leg with bathroom - available - info upon request.

Bathroom area is 3.5x2m



I would like this type of
tents for the accomodation
of students as well!



Proposed semi-permanent tentsite leaves no damage to
archeological findings, topsoil and vegetation





Twin tent

*This is how we would like
to facilitate our costumers*

Double tent



Average Mafia windspeed 4m/s gives convenient ventilation





Tent view





Proposed bathroom area





Proposed accomodations





Mess tent interior





Mess tent interior





Mess tent; view from the outside





Dining/mess tent





Mess tent; Dining Area

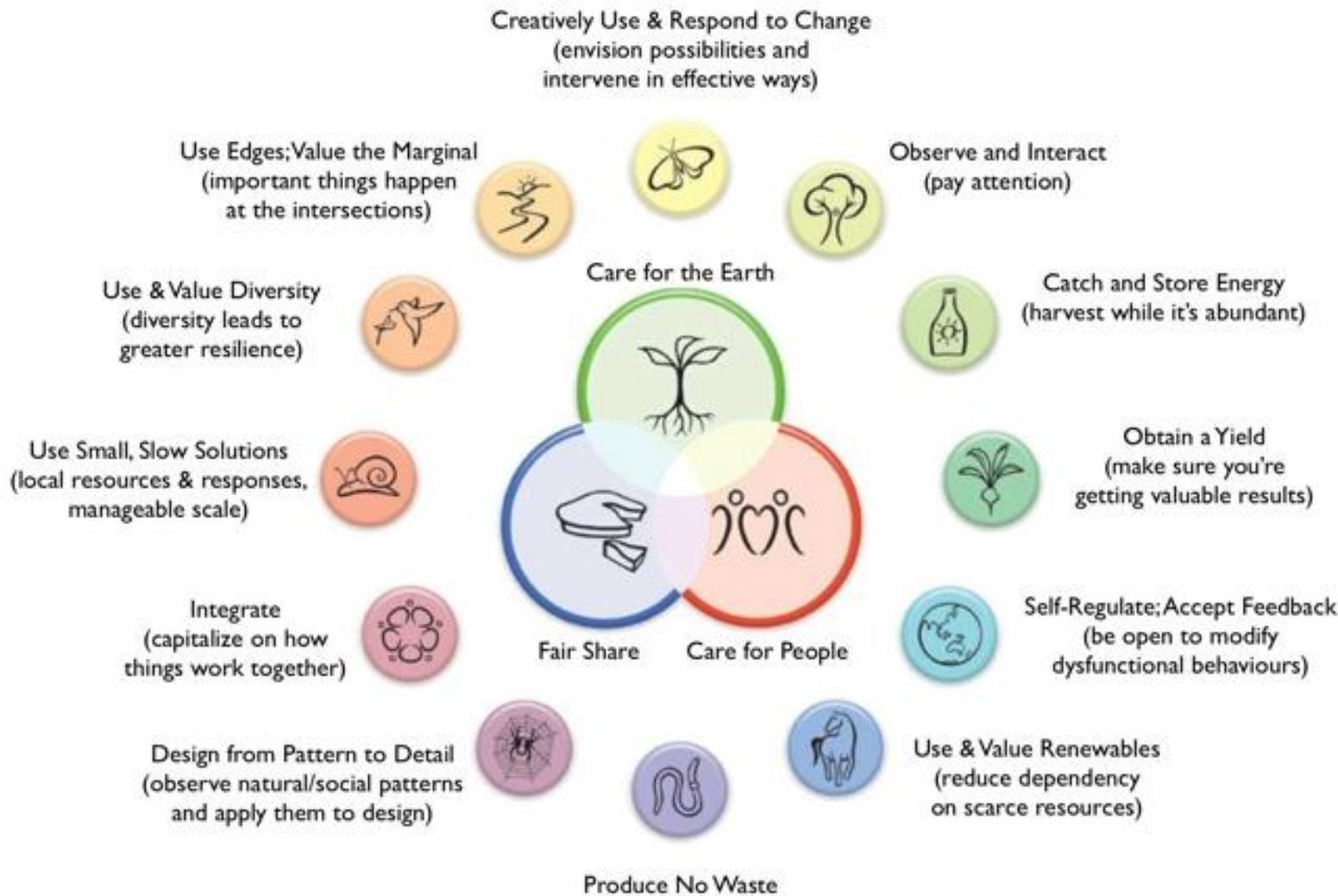






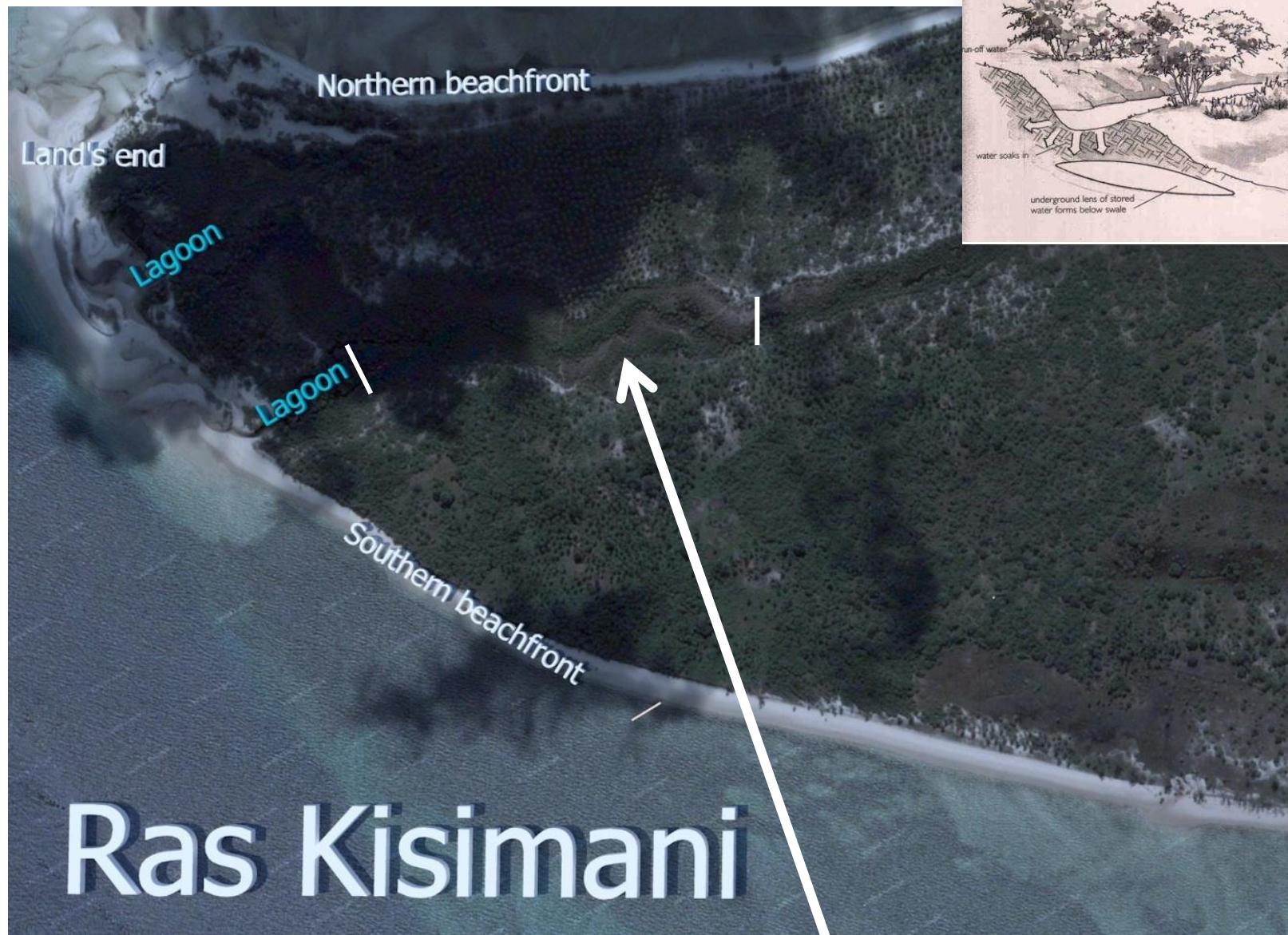
Permaculture Research Institute
PRI-Tanzania



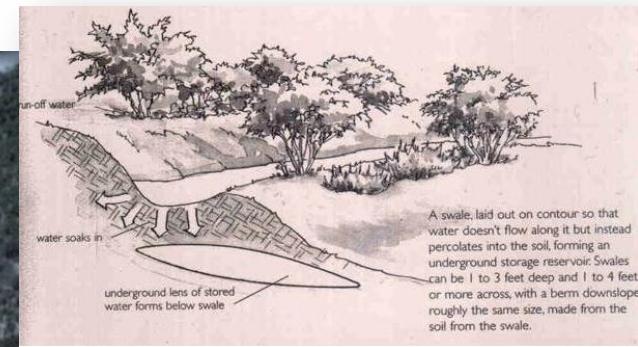


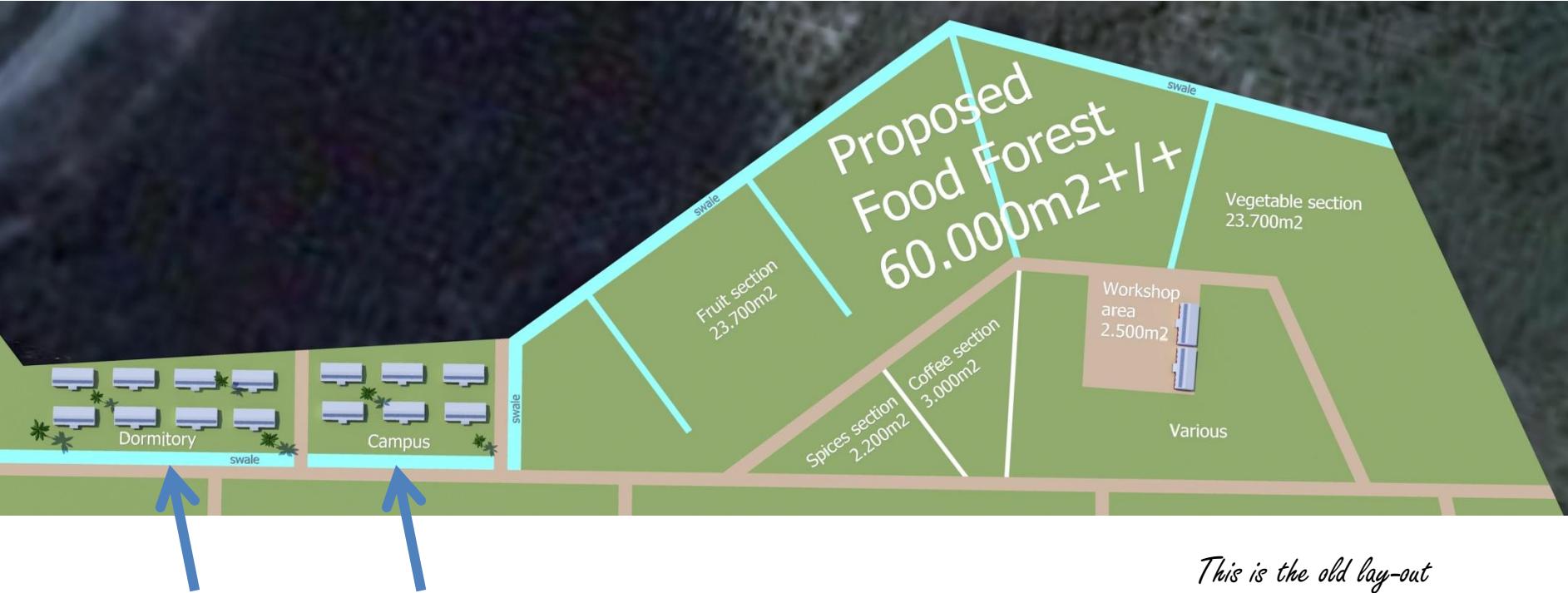
Permaculture Principles; People Planet Profit





Dammed Water Harvesting Area from which
swales will be formed





Permaculture plot / Food Forest

"Kisimani Farms"

Educational Campus and dormitory
(approx. 15 acres)

*This is the old lay-out
After boundary recovery the new
farm area could be approx.
60 acres (next pages)*





New lay-out after boundary recovery:

Green = Kisimani Farms

Brown = Ras Kisimani Eco-lodge









through rifing of the continental shelf. The entire island consists of coral rag overlain by sandy loam soil; with a maximum altitude of 20 m. soils are mainly alkaline with mean pH of 7.5.

Before



After



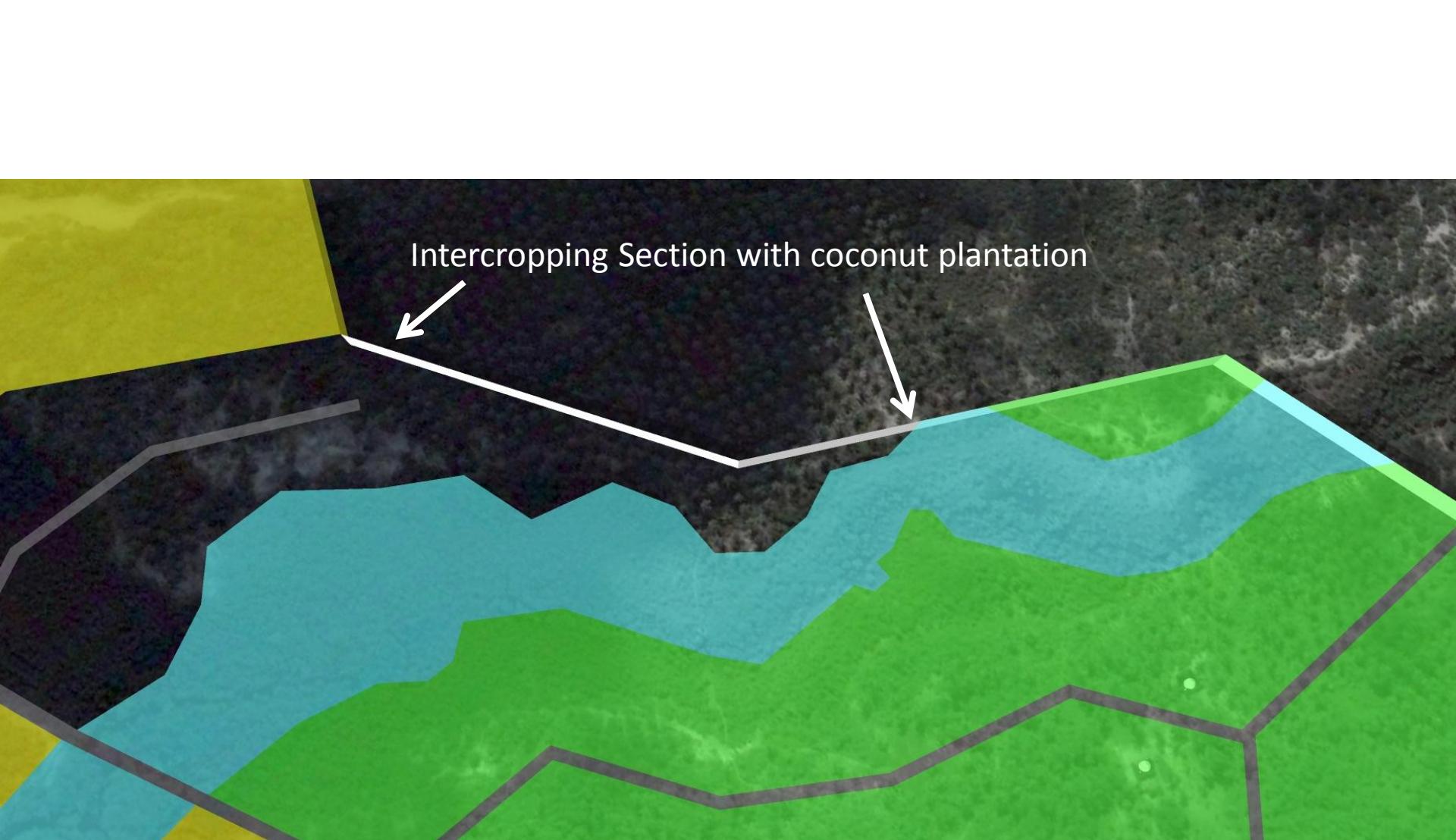


Permaculture Forest; staff housing implemented





Jatropha Curcass section; oil for bio fuel
6 Acres



Intercropping Section with coconut plantation





Intercropping Jatropha by growing it with Palm Tree's provides shade which the Jatropha likes as well as Coconuts in about 4 years by which time Jatropha Tree's themselves can be upto 3 meters high as you can see.

When designing a Jatropha Plantation for Bio Aviation Fuel production I want to include beneficial plants to intercrop with the Jatropha I am growing, tobacco is not an ethical cash crop to grow for the local community whereas growing plants like Watermelons, Tomato Plants, Peppers, Cucumber, Legumes, Basil, Chard, Lettuce and more importantly in terms of growing sustainable cash crops intercropped with Jatropha, Spices.

Whilst looking at the spice market with a wide variety of herbs and spices which can be intercropped with Jatropha and sold for cash I noticed that there was also a healthy market for growing medicinal plants alongside the Jatropha as an alternative to monoculture plantation.

Aloe Vera is an example that would easily work intercropped with Jatropha with a good commercial value being added to the plantation by choosing a Jatropha / Aloe Vera polyculture with a few Palm or Coconut trees' intercropped for shade.



HNYT-105 High efficiency jatropha oil press machine

Add to Inquiry Cart Add to My Favorites Share to: [f](#) [t](#)

FOB Price: US \$100 - 3,000 / Set | [Get Latest Price](#)

Port: Shanghai

Minimum Order Quantity: 1 Set/Sets

Supply Ability: 1000 Set/Sets per Month

Payment Terms: L/C,T/T



Oil for bio fuel: approx. 3,000 liters/acre



Grid



Environmental Activities

Panasonic's Environmental Activities

Environmental Sustainability Management

Initiatives for Reducing CO₂ Emissions

Initiatives for Resources Recycling

Products

Manufacturing

Collaboration with Stakeholders

Biodiversity Conservation

Global Eco Project

Environmental Data

Topics

Showrooms / Events

Recommendation Contents

Environmental Activities site map

A lifestyle with virtually zero CO₂ emissions

Outline

Save Energy

Create Energy

Store Energy

Manage Energy



Store created energy

Lifestyle with energy storage

The energy generated by solar power and fuel cells, in combination with storage batteries, ensures that household energy will always be available on demand. This achieves Panasonic's goal of a lifestyle with virtually zero CO₂ emissions throughout the entire house.

Household Lithium Ion Batteries

Storage batteries hold the energy generated by a combination of solar power and fuel cells to ensure a constant supply of electricity on demand.

Panasonic's household lithium ion batteries are not only small and highly efficient, but also have ample storage capacity.



[Technology for Storing Energy \[Video\]](#)



[Lithium Ion Batteries Lineup](#)

Electric power storage facilities



Thank you for your reply.

Attached please find the pricing sheet and more information about our XT iDirect VSAT system. I am confident it will meet all your connectivity requirements. Please refer to "Arabsat 5C" tab in the pricing - we are using Arabsat 5C satellite (C-band) to cover your location.

Our service features the latest technology - the iDirect Evolution platform. There is a page on our web site describing iDirect satellite platform in detail:

<http://www.bcsatellite.net/satellite-internet-idirect.html>

What makes iDirect unique is that it is the only system on the market capable to provide two bandwidth quotas as a single integrated Internet connectivity solution, these quotas are BIR (Burstable Information Rate) and CIR (Committed Information Rate). An inexpensive and broadband BIR quota is used to provide fast and efficient Internet access for non-realtime tasks such as web browsing, file downloads, e-mail and similar while dedicated segment CIR quota is required for the business-class VoIP and videoconferencing applications demanding realtime flow of bandwidth. This is a unique feature.

The iDirect VSAT system itself is capable to support the wide range of applications, ranging from a SOHO/SME setup and ending with a high-end MWR, Internet cafe and small ISP/Hot Spot business, even more effectively when compared to traditional 100% dedicated SCPC links.

Available service levels are from 256x64 kbps, all the way up to 4096x1024 kbps, with different amounts of dedicated CIR bandwidth. Please note that all our service packages are FAP free - we do not have any traffic limits.

For your immediate requirements with only 5 users I would suggest to consider starting with Premium 256 kbps receive and 128 kbps transmit service, priced at \$309 per month.

A few other options you may be interested in:

Premium 512/128 = \$419 per month

Premium 512/256 = \$523 per month

Premium 768/256 = \$644 per month

Premium 1024/256 = \$761 per month

I would suggest a conservative start as you can always upgrade and add more bandwidth at any time later on.

The equipment you will need is the 1.8m antenna, 5 Watt BUC (transmitter), LNB, iDirect Evolution X3 modem and cables/accessories. The complete hardware set is priced at \$3,200 plus shipping from our stock in Dubai. Delivery price to be confirmed.

Please let me know your thoughts on this offer.

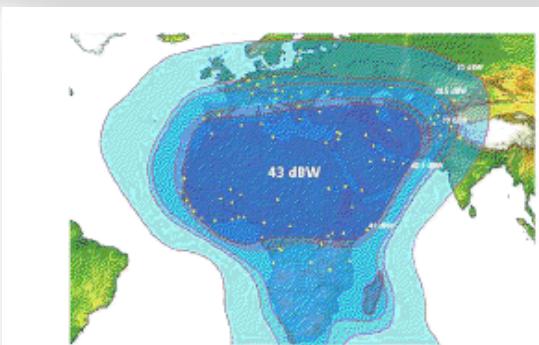


Enhanced C-Band Kit

1.8m C-Band receive/transmit antenna,
Class II or better
5 Watt SSPA BUC
PLL-Stabilized LNB
iDirect Evolution X3 Satellite Modem
30m IFL Cables & Accessories

\$3,200.00 plus shipping

Enhanced kit with a larger 1.8m antenna and 5 Watt BUC, applicable for Arabsat 5C and NSS-12 satellites, C-Band African beam recommended for countries with tropical climate zones. Allows to run any C-Band XT iDirect service level available, with a maximum 1024 kbps on Tx.



Arabsat 5C Satellite
C-band
Africa and Middle East

Satellite telecommunications

