

Ras Kisimani Ltd

Mafia Island Tanzania

Project Questionnaire

27-10-2012



Ras Kisimani Eco Lodges and Permaculture Forest Proposal

General Lay-Out

Correspondence:

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What is your current knowledge and understanding of Permaculture?

In the last 4 months we have come to understand that implementing a food forest in our plans, that is an ecolodge and permaculture food forest, could benefit us, the community of Mafia Island, the Tanzanian Government and the Tanzanian community in whole. Furthermore we mean to create awareness with our tourist clients.

What sort of service or relationship are you looking for from PRI?

We need help in establishing this food forest and surrounding area, by means of:

- Using the underwater wells at our site to for irrigation.
- Creating a swale lay-out, using existing salt water lagunes that will be dammed into sweet water basins.
- Understanding of the soil, and which fruits, vegetables, herbs and other plants can be implemented in the forest.
- Calculating the area of the forest, for now we have reserved approx. 17 acres but large extension could be made possible.
- Start an intercropping project with *Jatropha Curcas*.
- Start a teaching facility and dormitory for Tanzanian students to teach permaculture.
- Helping us in fund finding to establish the above.

Do you have land?

Yes, it is in our possession

Where is it?

Mafia Island, Tanzania

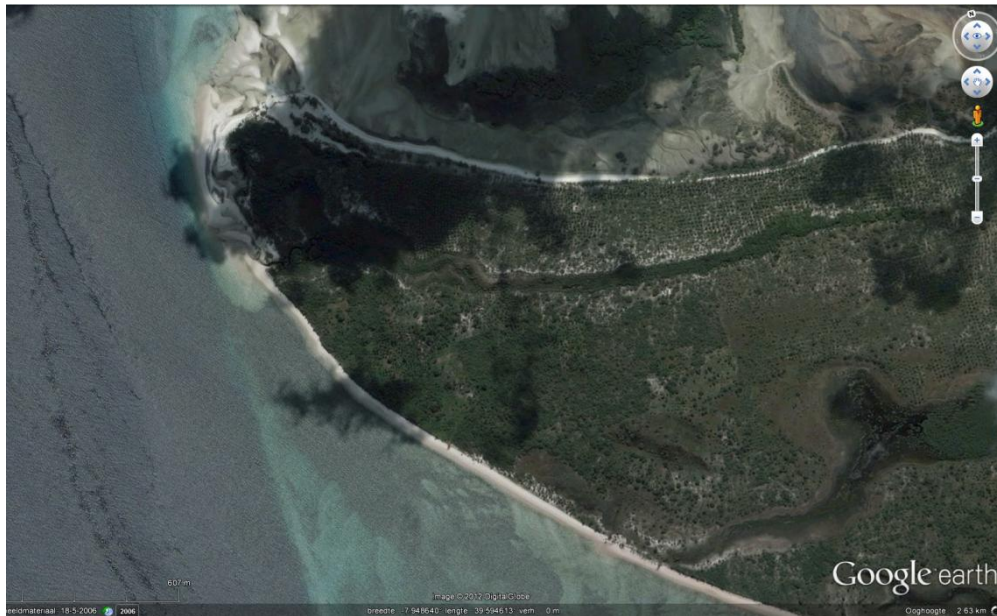
Give exact latitude and longitude if possible, or give its location in Google Earth.

Google Earth - Nieuw Plaatsmarkering

Naam:

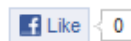
Breedtegraad:

Lengtegraad:



Climate details.

Mafia Island Climate



The Climate Guide for Mafia Island, Tanzania is perfect for planning your holiday. Monthly weather averages give the best indication of what the weather is usually like for every month of the year including figures for temperature, rainfall and sunshine.

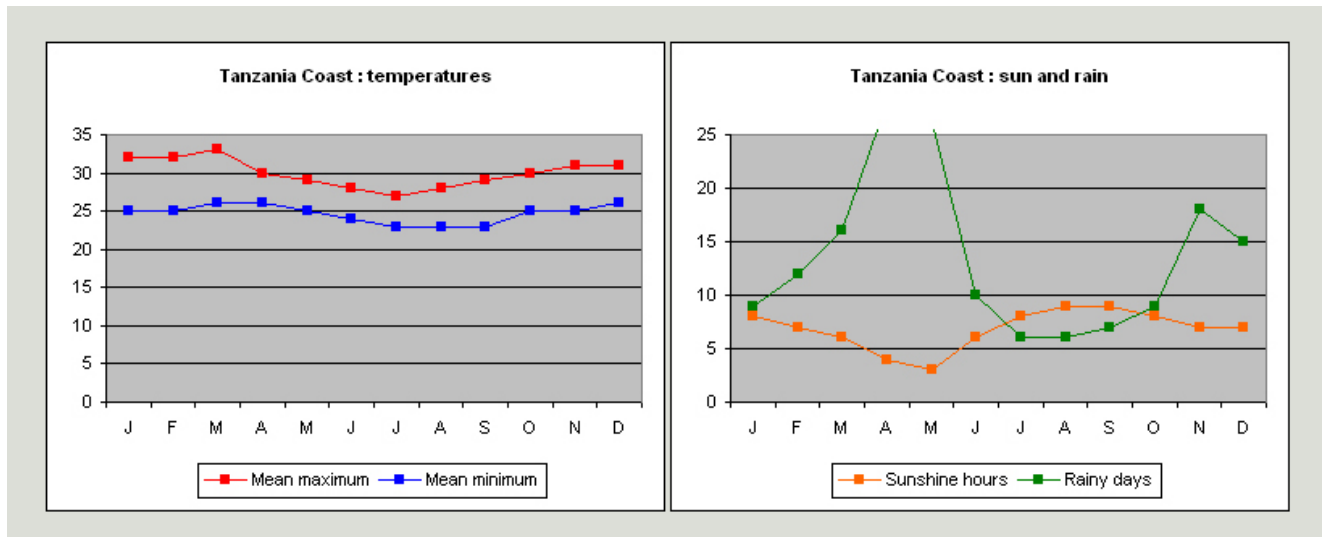
	J	F	M	A	M	J	J	A	S	O	N	D
Max Daytime Temperature (°C)	31	32	31	30	29	28	28	28	29	30	31	31
Min Night-time Temperature (°C)	25	25	25	24	24	23	22	22	22	23	24	25
Hours of Sunshine (Daily)	7	8	7	6	7	8	8	8	9	9	9	8
Hours of Daylight (Daily)	13	12	12	12	12	12	12	12	12	12	12	13
Heat and Humidity Discomfort	☹	☹	☹	☹	☹	☺	☺	☺	☺	☹	☹	☹
Days with some Rainfall	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁
Monthly Rainfall (mm)	11	11	11	11	10	9	9	11	11	11	11	11
UV Index (Maximum)	11	11	11	11	10	9	9	11	11	11	11	11
Sea Temperature (°C)	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
	J	F	M	A	M	J	J	A	S	O	N	D

Mafia Island Climate Zone

Mafia Island has a hot tropical climate with a winter dry season.



Temperature highs/lows.



Growing season, etc.

As the island lies in the tropics, we suggest that we have an all year growing season.

How large

The whole area of our plot is approx. 100 acres, this includes a beach front zone with some restrictions in developing of approx. 28 acres.

What is it like?





There are no previous uses or development. The landscape is fairly untouched as there are no roads that lead to the plot at this moment. As the government of Tanzania has the duty of making every plot accessible by road we are planning to start negotiations with them as soon as we have a site lay out.

The soil of Mafia is mostly sandy and the terrain very flat.

through rifting 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.

There are no structures on our plot, other then two ancient ruin-mosks.

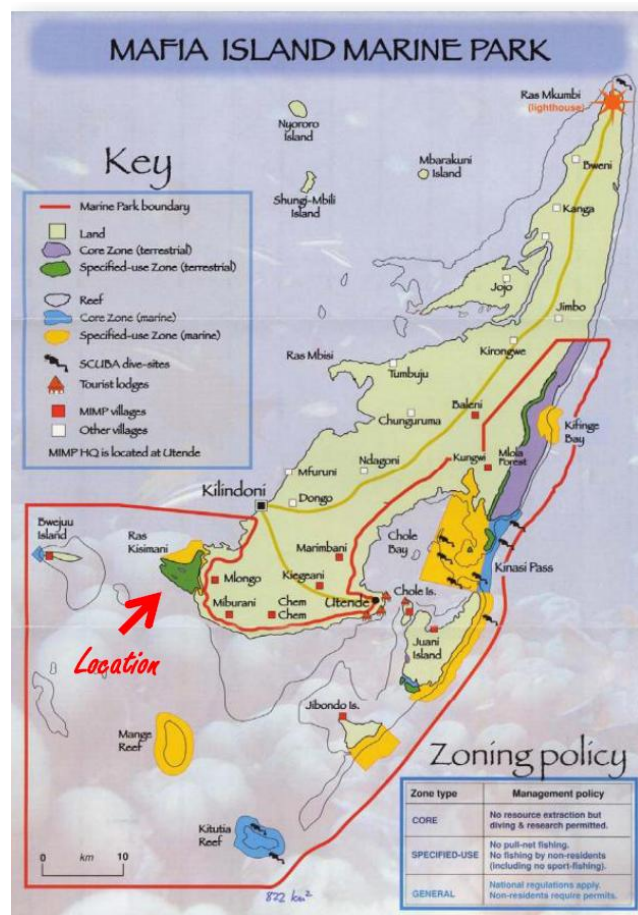
For as far as we know there is sweet water, as on Ras Kisimani there was an ancient town located called Kisimani Mafia (the place of the well!), situated there because of the exsistence of sweet water. There are two ancient wells (1300 AC) on our site:



We have no facilities there, we plan to be completely self-sufficient.



The image is a composite of three maps illustrating the location of Mafia Island. The top-left map shows the continent of Africa with a red circle highlighting the East African region. The top-right map is a detailed view of Tanzania, showing its borders with Kenya, Somalia, Mozambique, and Zambia. A red circle on this map highlights Mafia Island in the Indian Ocean. The bottom-right map is a close-up of Mafia Island, showing its coastline, major towns like Kilindoni and Ras Kisimani, and surrounding waters.





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Can you send photos of the property?





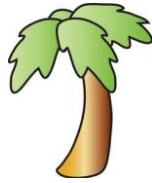
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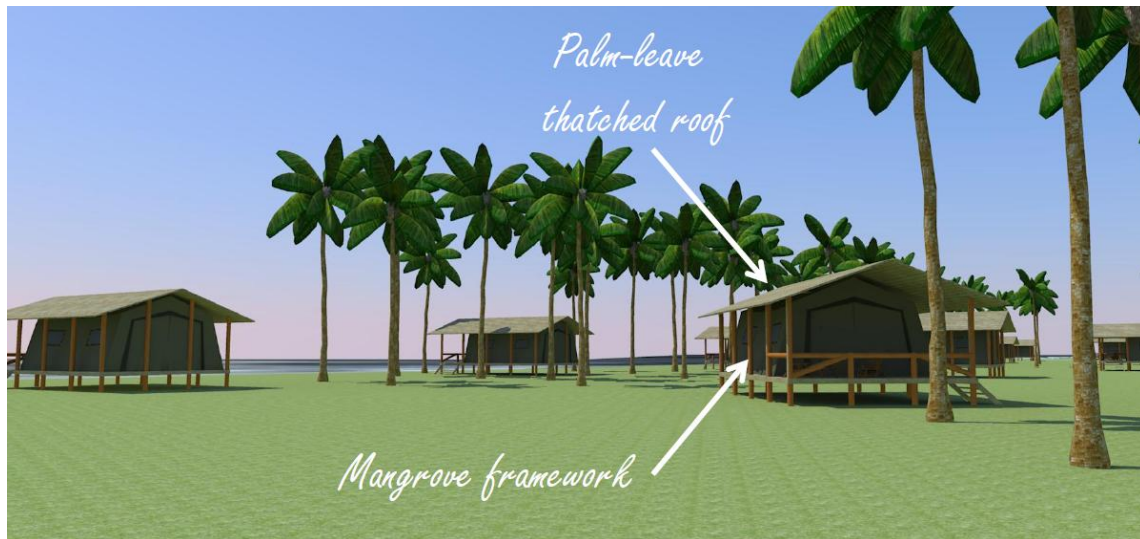




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Do you have a structure that can function as a teaching facility, or other structures on site?

We plan to build our structures using local materials such as mangrove, palmwood and leaves. Structures for our eco-resort will be like this:



The structures for our dormitory and teaching facilities will be alike but with palmwood walls and interior finishings. All buildings will be placed off ground. For now we have made a very premature lay-out for the food forest, school buildings and dormitories:



*Permaculture plot / Food Forest
"Kisimani Farms"*

Do you have a development fund, if so what is your budget, or proposed method of funding?

At this moment we are in a very early stage, so we are open to any suggestions. We plan to get consultation for this matter.



What organizational or legal structures do you control, if any, that are relevant to this project?

Real Estate development and building skills in whole.

Businesses

Building contracting Dar es Salaam Tanzania

Fish processing Mwanza Tanzania

Project developing in the Netherlands

Real Estate in the Netherlands

How many people are involved?

At this time 4 people, when operational we figure about 120 locals and 15 staff, depending on how the forest needs to be maintained.

What are their skills/experience level regarding permaculture?

At this moment none, but willing to learn.

What other relevant skill sets does your group have?

Accounting, administration, computer skills like Autocad, Powerpoint etc.

How much time do they have to work on this project?

This will depend on demand.