

Three

A Protected Beach

Erosion. The sea has been moving-in and in select areas, gobbling up sandy beach, berm and even small structures from Loedik through Sedoin through Nembrala to Oengaut and a bit beyond. There are exceptions.

The beach at Kailani Sands; however, is accreting not eroding. Protecting our shores is a combination of a thick swath of undisturbed Pandanas and a natural breakwater——A durable island just meters off the beach holding back intrusive waves. Our sand is staying put!



There are many lovely beaches in the vicinity of Nembrala, and taking nothing from them, the following discussion is to provide an oversight on a trend of erosion only.

Perhaps temporary, perhaps cyclical, but let's take a look at some trends along the coastline starting with the farthest area North of resort beaches, see below, Loedik:

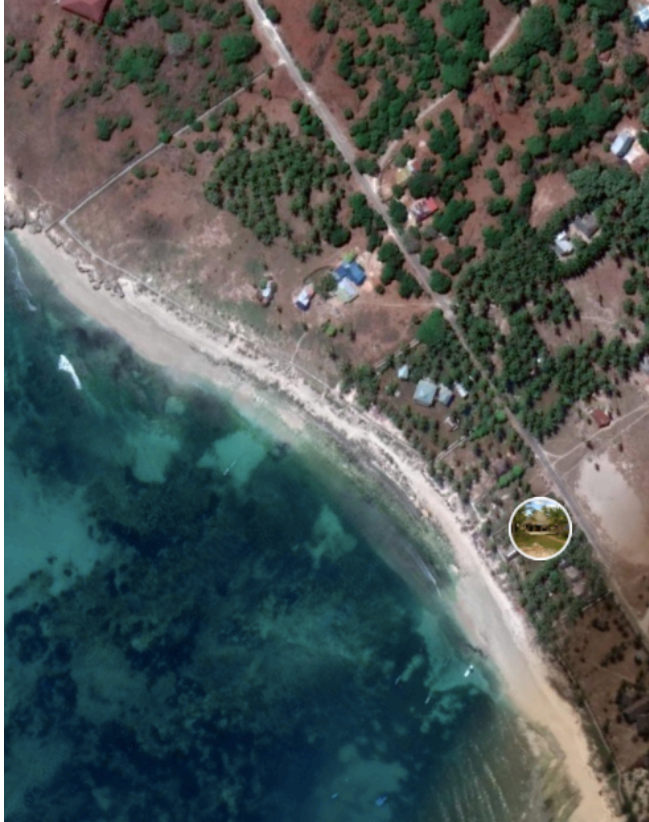


Get out your reef walkers, when you depart the deck of this small local Loedik resort you will find rock and more rock. Loedik has an absence of Pandanas, and with the exception of the abbreviated area at the river mouth, there is no sand and no beach.

Loedik coastal (courtesy of Google Earth):



Next stop with our reef walkers, Sedoin:



Again. Scant sand, at best a thin veneer of sand, vanishing and appearing in thin wafers at the wiles of the tides. What's to protect the land and the structures with no beach, no berm and no vegetation (Pandanas) to guard the shores? Certainly, as we go through the rising seas cycle, as we are predicted to be in for near future, there will be certain problems.

Nembrala

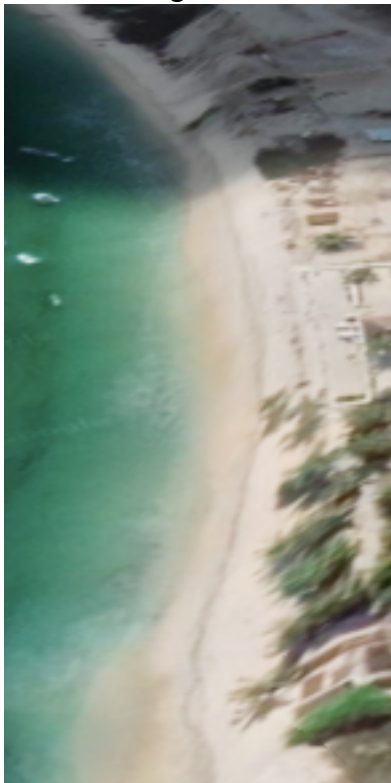
Nembrala is the hub of Tourism in Rote with a harbor, a very popular surfing magnet for surfers worldwide, and the The Nembrala Beach Resort.

Although having a steep berm, Nembrala in recent years has experienced significant damage to near shore structures.

Note the thin band of sand standing between the Nembrala Resort deck and the sea. Keep in mind, during the wet season (Westerly Monsoon), water levels can surge ten to fifteen feet inland.



The below shot, caught on Google Earth, was taken at a very low tide. The thin margin of sand that would serve from medium tide and up is ever evident.



Oengaut

Again, note the narrow band of sand and the dearth of shoreline vegetation (Pandanas). This the trend. We shall see how things progress.

