

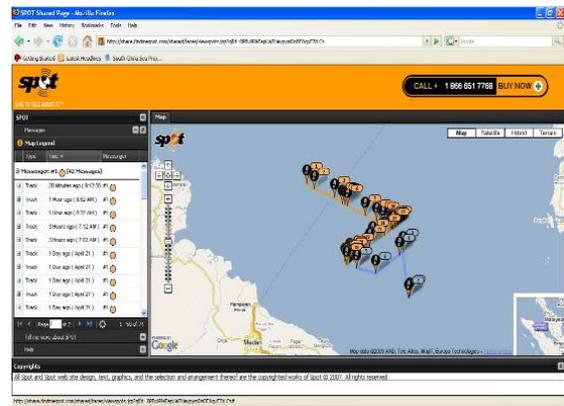
## Artisanal fishermen engaged in patrolling Aceh waters.

We currently have a pilot project where we have given shark boat captains personal locator beacons, binoculars, and cameras; we have also uploaded into their GPS units the EEZ boundaries.

These boats go as far away as Singapore on the east side and down to Nias on the west side. They travel so quickly out of radio range, they don't even bother to install radios. Because they range so far, these boat captains are most likely to see foreign boats fishing in Aceh waters. However, the crew of these boats are also most likely to be arrested for fishing in another country's waters.



These satellite locator beacons have recently become available through the consumer market, they are relatively inexpensive and operate in near real time, the boats current location is updated on the internet every ten minutes. The concept is to 'loan' these personal satellite beacons to shark boat captains through the traditional authority (Panglima Laot). For several reasons, the fishermen will not allow the government to monitor where they go (secret fishing grounds, fear of punishment should they go into another country's waters). However, in the Aceh social structure, the Panglima Laot has the authority to monitor their locations, and the responsibility to listen for calls for help. So it would be the Panglima Laot who would manage the program, monitor the internet and pass on requests to the appropriate GOI authorities.



These units have two buttons, the current instructions to the captain are that he pushes one button (911) if they are in danger of sinking, and he pushes the second button (help) if he sees illegal fishing. He records their position and if possible, he takes their picture

The benefits to the fishermen for participating in the project are if their boat:

- gets into trouble, the captain now has a way to call for help.
- is overdue, the crew's family can come into to see where they are and that they are OK.
- is pulled into a foreign port, the crew is probably not 'lost at sea', just in a foreign jail for illegal fishing; contact embassy.

The benefits to the conservationist are:

- Combating illegal fishing
- Get to see where the shark fishers are fishing and what they are catching.
- Start to build relationship so that when shark management plans are implemented, a relationship already exists with those fishermen that will need to participate.

The benefits to government:

- Saves time, fuel, money, boats. Increases surveillance at very little cost
- Start to build relationship so that when shark management plans are implemented, a relationship already exists with those fishermen that will need to participate.