

Team 4 Report: How we will measure the effectiveness of the team solution:

Population tracking in general can give models of predicted populations; if the actual populations differ drastically then there is evidence of illegal fishing (barring some sort of disaster that caused the drop).

Tagging Surveys:

Catch the fish, a specified number of each species in stratified random sample; tag them with electronic tags that record depth, water temperature, [maybe satellite report, maybe reports sent to buoys]. When the fish are caught, the fishermen report the number of tags and the identification numbers of the tags. This data can be used for estimates of the total population, as long as getting crucial data about the health of the ecosystem.

Specified Number—how many will we tag? Needs to be less than 10%.

Money—how much does the tag cost? Are they reusable?

How do we select the sample?

How do the fishermen get the tags back? Is that a reasonable demand?

We say that we can get all of this information?

*How do all of these tags tell us population size, health (I assume that means diversity, migration patterns, what else?) WE NEED EQUATIONS!!!

AND WE NEED NUMBERS!!!