

ECASA WP 3

Annotated sheet for indicators related to the impact of the environment on aquaculture

1- Name of indicator

COLONIES

Distance from:

colonies of birds (<2km)

colonies of seals (<1km)

nesting beaches for sea turtles (<10km)

2- Related source of pressure

Predator attack

3- List of data / parameters required for computation.

Frequency distribution data

4- Description of scientific meaning, references

Predators may cause losses to fish farms at unpredictable rates. Some anti-predator media (scarers, nets etc) are used for birds but the efficiency of anti-predator devices is less well documented for turtles, seals, dolphins and tunas which have been shown to cause damages to both farmed fish and nets (Beveridge 1996). The fact that most of the predators (with the exception of some bird species) are protected elements of wildlife implies that aquaculture could only avoid the areas where these species occur. Therefore, the suggested distances from colonies of different types of wildlife are proposed in order to assess the risk involved for a specific site for predator attacks.