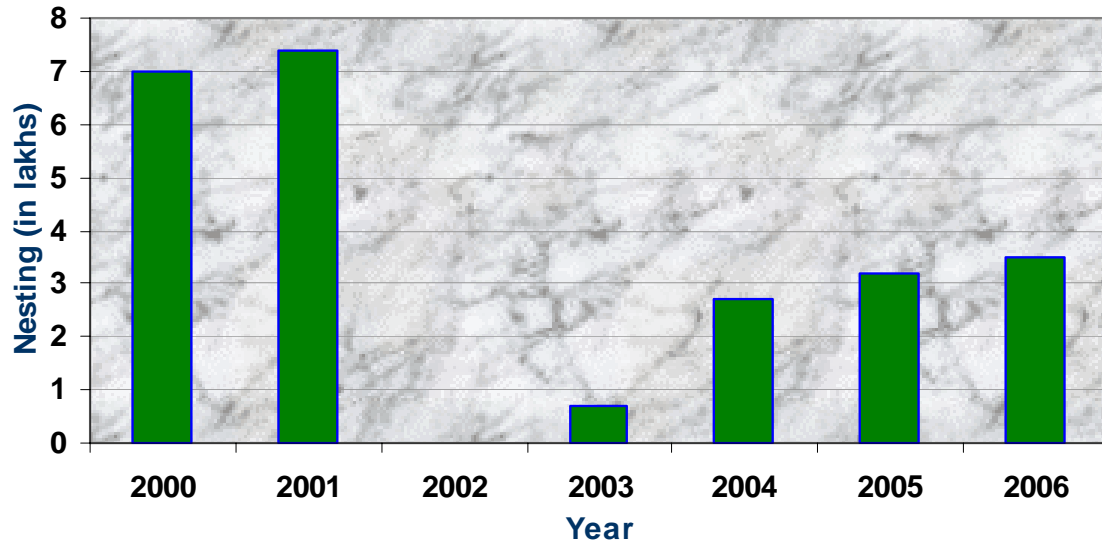


**PROJECT TITLE : Development of strategies for sea turtle and sea cucumber conservation**

- Mass nesting or arribada along Orissa coast in 3 nesting areas Bhitarkanika, Devi river mouth and Rushikulya occurred during 2006. Nearly 3.2 lakhs of olive ridley *Lepidochecys olivacea* estimated in the above 3 mass nesting sites during 2005 and 3.5 lakhs in March 2006.
- Due to mortality in fishing gear 3,000 olive ridley reported along the Northern Orissa coast in 2006, when compared to 4,000 in 2005 season.
- Imparted suggestion to convene meeting in coastal villages by State Fisheries officials along with CMFRI staff to create awareness among coastal community on conservation
- Juveniles reared in sand bed fed with *sargassum sp.* registered higher growth than those reared in bare tank
- Egg suspension from eviscerated female *H.scabra* was found to be effective spawning inducing agent
- The maximum hatching rate at 0.5 eggs/ml and at salinity 35ppt indicated the optimum hatching condition
- Highest survival, growth rate and fastest development of auricularia of *H.scabra* were obtained at a stocking density of 1/ml and between 33-35ppt salinity
- Spawning trials attempted for *H.scabra* (mean wt 500gm) and due to skin disease outbreak, spawning trials very much affected.
- Juveniles of *H.scabra* measuring 5-10mm more susceptible to disease like skin lesion led to mortality whereas juveniles of >10mm are comparatively resistant to such diseases
- Sea ranching of 1200 young ones of *H.scabra* of mean size 25mm in the sea grass bed at Tuticorin.

### Mass Nesting along Orissa Coast



### Mortality of Olive Ridley along Orissa Coast

