

For NEGREG to make intelligent decisions would prefer experts' recommendations based on factual data rather than possibilities or conjecture; e.g., We know that vehicles could run over turtles just like they could run over humans on highways .We need to know relative importance and how best to control the variables of management . What is most cost effective in terms of money and personnel for this Recreational Area ? Recommend Turtle Expert be prepared to discuss following:

A. Areas: Turtle management practices over last 10 years at following areas compared to CAHA:

- 1) USFWS Back Bay Refuge, VA
- 2) USFWS Pea Island Refuge
- 3) CAHA Recreational Area
- 4) Cape Lookout National Seashore

B. Data: Background information for each area and comparison:

- 1) Number of nests laid.
- 2) Number of nests relocated.
- 3) Number of false crawls and relevance.
- 4) Average number of eggs per nest.
- 5) Number of nests lost.
- 6) % eggs that hatched.
- 7) % hatchlings to enter ocean waters.
- 8) Estimated sex ratio of hatchlings.
- 9) Relative ranking of cause for loss of turtle resource:
  - (a) Weather
  - (b) Predation and species of predator
  - (c) Human
  - (d) ORV
  - (e) Stationary lights at night
  - (f) ORV lights.

C. Recommendations for management:

- 1) Goals:
  - (a) Number of nests laid
  - (b) % Eggs that hatch into ocean
  - (c) Sex ratio
- 2) Protective measures:
  - (a) Human disturbance
  - (b) Light pollution
  - (c) Predator control
  - (d) Weather and waves

D. Discuss Sea Turtle Recovery Plan and NCWRC Turtle Hand book, Permit Requirements for CAHA.