

## Cetaceans – Sightings per Unit Effort (SPUE)

**Species:** Fin whale, humpback whale, minke whale, northern Atlantic right whale, sperm whale, sei whale, Atlantic white-sided dolphin, bottlenose dolphin, harbor porpoise, and Atlantic striped dolphin

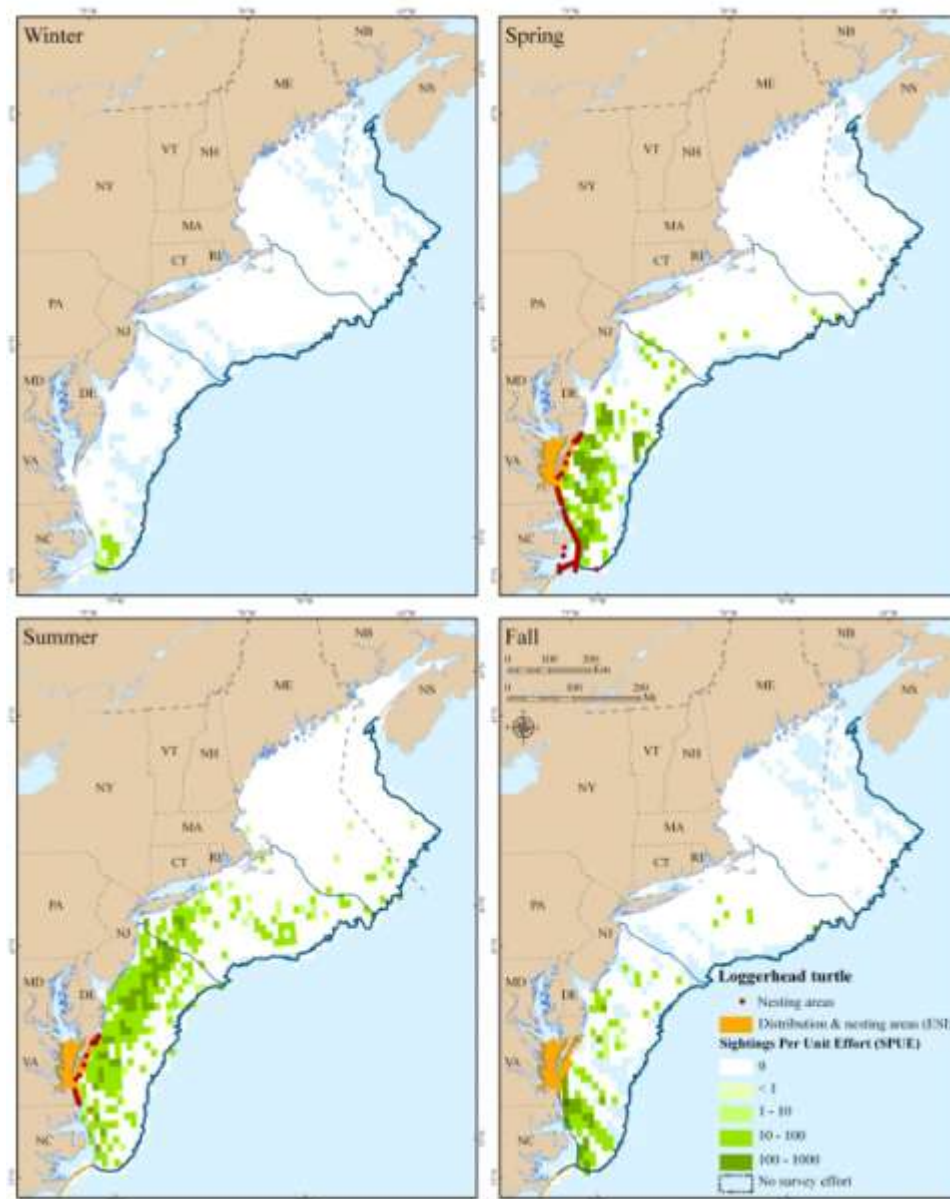
**Data Source(s):** U.S. Navy Marine Resource Assessment (MRA) for the Northeast and Virginia Capes

**Link to Data Source(s):** For report text only - [https://portal.navfac.navy.mil/portal/page/portal/navfac/navfac\\_\\_www\\_pp/navfac\\_hq\\_pp/navfac\\_environmental/mra](https://portal.navfac.navy.mil/portal/page/portal/navfac/navfac__www_pp/navfac_hq_pp/navfac_environmental/mra)

**Scale:** Ten minute squares

**Year(s):** 1979-2007

**Product Details:** Important areas for marine mammals were determined from point sightings data. Data were assessed, combined and converted from seasonal species sightings into ten minute squares. Individual grids were then multiplied by 1000 and divided by seasonal effort grids previously generated by the U.S. Navy. The resulting sightings per unit effort (SPUE) grids were used to identify important areas within the region for each species.



## Turtles – Sightings per Unit Effort (SPUE)

**Species:** Green sea turtle, leatherback turtle, and loggerhead turtle

**Data Source(s):** U.S. Navy Marine Resource Assessment (MRA) for the Northeast and Virginia Capes

**Link to Data Source(s):** For report text only - [https://portal.navfac.navy.mil/portal/page/portal/navfac/navfac\\_ww\\_pp/navfac\\_hq\\_pp/navfac\\_environmental/mra](https://portal.navfac.navy.mil/portal/page/portal/navfac/navfac_ww_pp/navfac_hq_pp/navfac_environmental/mra)

**Scale:** Ten minute squares

**Year(s):** 1979-2007

**Product Details:** Important areas for sea turtles were determined from point sightings data. Data were assessed, combined and converted from seasonal species sightings into ten minute squares. Individual grids were then multiplied by 1000 and divided by seasonal effort grids previously generated by the U.S. Navy. The resulting sightings per unit effort (SPUE) grids were used to identify important areas within the region for each species.

## Turtles – Nesting Point Data

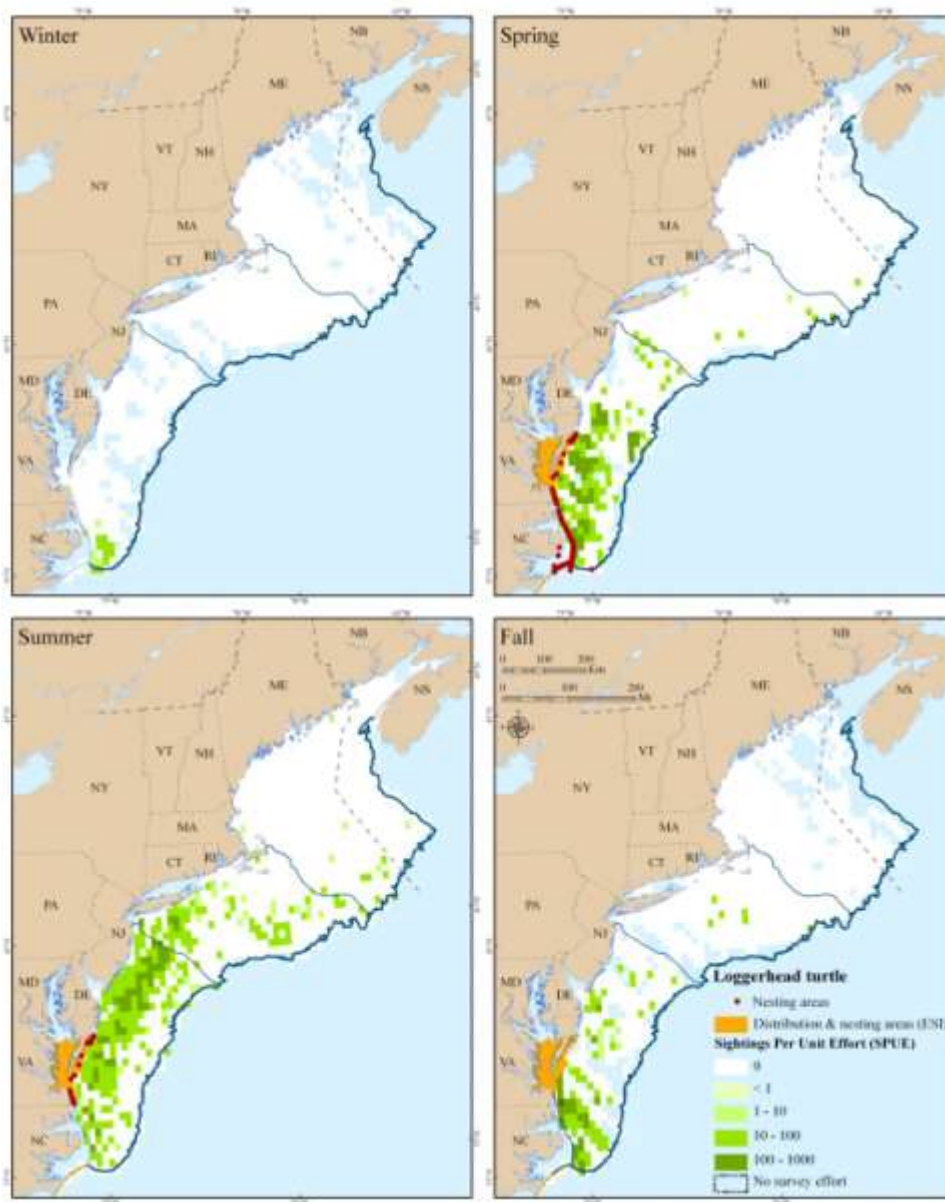
**Species:** Green sea turtle, leatherback turtle, and loggerhead turtle

**Data Source(s):** NC Wildlife Resource Commission data collections

**Scale:** GPS point locations

**Product Details:** Databases for latitude longitude location of sea turtle nesting locations were converted into point GIS locations.

For North Carolina, nesting locations were obtained from state experts and the data are relevant for 200-2004, for nests north of 35 N.





## Turtles – Distribution and Nesting Areas (ESI)

**Species:** Loggerhead turtle, green sea turtle, and leatherback turtle

**Data Source(s):** Environmental Sensitivity Index (ESI), NOAA

**Link to Data Source(s):**

[http://response.restoration.noaa.gov/topic\\_subtopic\\_entry.php?RECORD\\_KEY%28entry\\_subtopic\\_topic%29=entry\\_id,subtopic\\_id,topic\\_id&entry\\_id\(entry\\_subtopic\\_topic\)=463&subtopic\\_id\(entry\\_subtopic\\_topic\)=8&topic\\_id\(entry\\_subtopic\\_topic\)=1](http://response.restoration.noaa.gov/topic_subtopic_entry.php?RECORD_KEY%28entry_subtopic_topic%29=entry_id,subtopic_id,topic_id&entry_id(entry_subtopic_topic)=463&subtopic_id(entry_subtopic_topic)=8&topic_id(entry_subtopic_topic)=1)

**Product Details:** ESI maps provide a concise summary of coastal resources that are at risk if an oil spill occurs nearby. Vector polygons in this data set represent turtle distribution.

Sea turtle areas displayed on the maps are limited to nesting beaches, and several well-known in-water concentration areas. Sea turtle nesting beaches include sand beach areas where sea turtles come ashore to nest.

