

Agenda Item 10 and 11

WAC 220-200-100 and 220-610-110

Periodic Status Reviews: Loggerhead Sea Turtle and Green Sea Turtle



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Green Sea Turtle Distinct Population Segments 2016



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Green Sea Turtle Natural History



P. Lindgren

- Highly migratory, movements not well understood
- First 3-5 years at sea, then return to coastal foraging grounds
- Eats vegetation and soft invertebrates

Green Sea Turtle Natural History

- Nest on sandy beaches every 3-4 years, 1-7 clutches of ~65 eggs
- Mature 26-40 years, reproduce 17-23 years



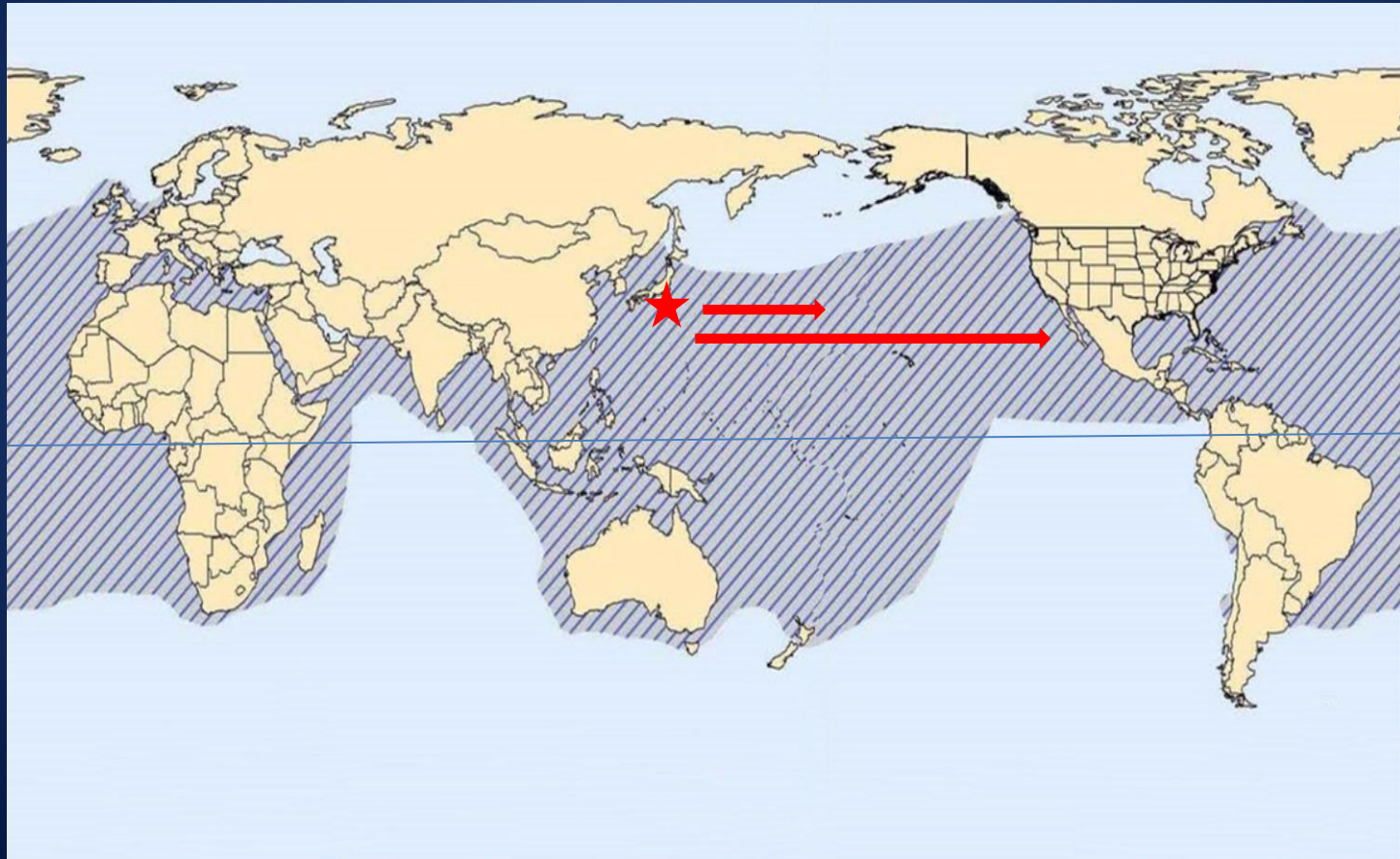
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Green Sea Turtle

Listing and Population Status

- Washington: threatened in 1990.
- Originally, federally listed as endangered in 1978. East Pacific DPS status changed to threatened in 2016.
- Global decline of 48-67%, but DPS population trend increasing: over 20,000 females at 39 nesting sites.
- 28 records of Green Sea Turtles in Washington.

Loggerhead Sea Turtle Global Distribution



NMFS

Loggerhead Sea Turtle Natural History



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- Trans-Pacific migration
- Nest on sandy beaches every 2-3 years, 3-6 clutches of ~120 eggs
- Mature at about 45 years, reproductive 18-37 years

Loggerhead Sea Turtle Natural History

- Inhabit pelagic waters and forage on continental shelves, sometimes bays
- Omnivores, but pelagic red crabs preferred



P. Bryant

Loggerhead Sea Turtle Listing and Population Status

- Washington: threatened in 1990
- Federally listed as threatened in 1978
- In 2011, NMFS and USFWS listed North Pacific DPS as endangered
- Global decline $\sim 47\%$
- DPS much reduced from mid-20th century, but recently stable
- 8 records in Washington, mixed survival

Factors Affecting Green and Loggerhead Sea Turtles



K. Sebastian

Green: harvest of eggs,
hatchlings, and adults

Beachcare.org



Loggerhead: nesting
habitat destruction and
modification

Factors Affecting Green and Loggerhead Sea Turtles



T. Fukuoka

Both species:

- Fishery bycatch
- Marine debris
- Boat strikes
- Climate change

Conservation Actions

- U.S. Pacific Loggerhead Conservation Area, 2003
- Fisheries regulations to reduce bycatch
- Stranding and disentanglement networks



D. Du Toit

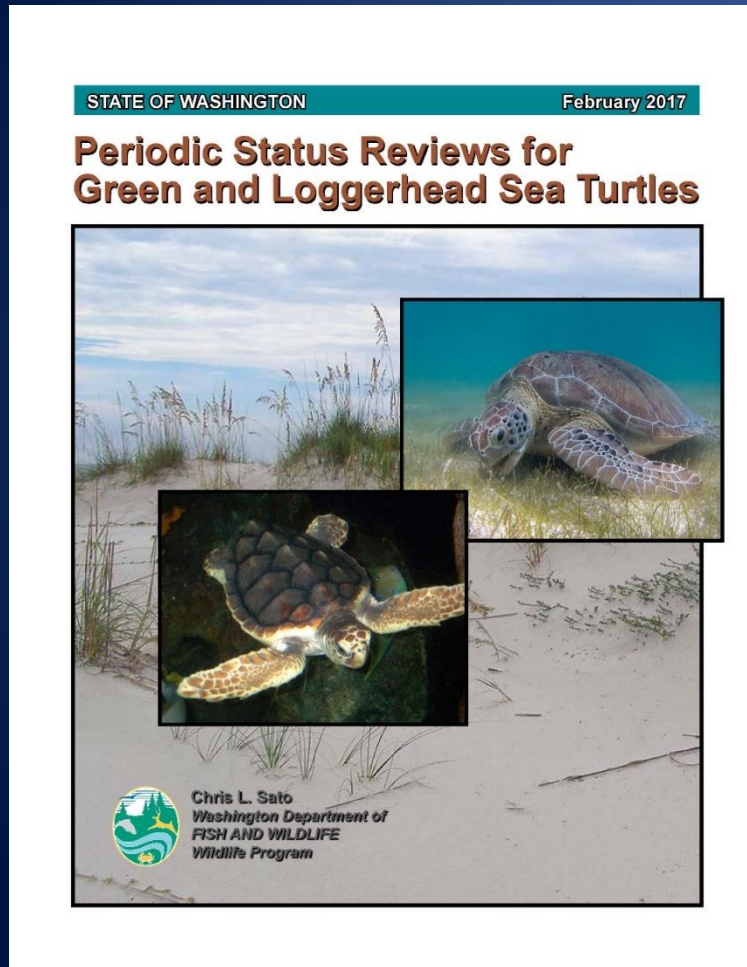
Conservation Actions



M. Zinkova

- Reduction of marine debris
- Protect nesting beaches
- Reduce bycatch
- Provide information and outreach

Recommendation



- Retain **Green Sea Turtle** as state threatened
- Uplist **Loggerhead Sea Turtle** to state endangered

Public Comment

- Support for continued endangered listing (7)
- Opposition (0)

Questions?



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