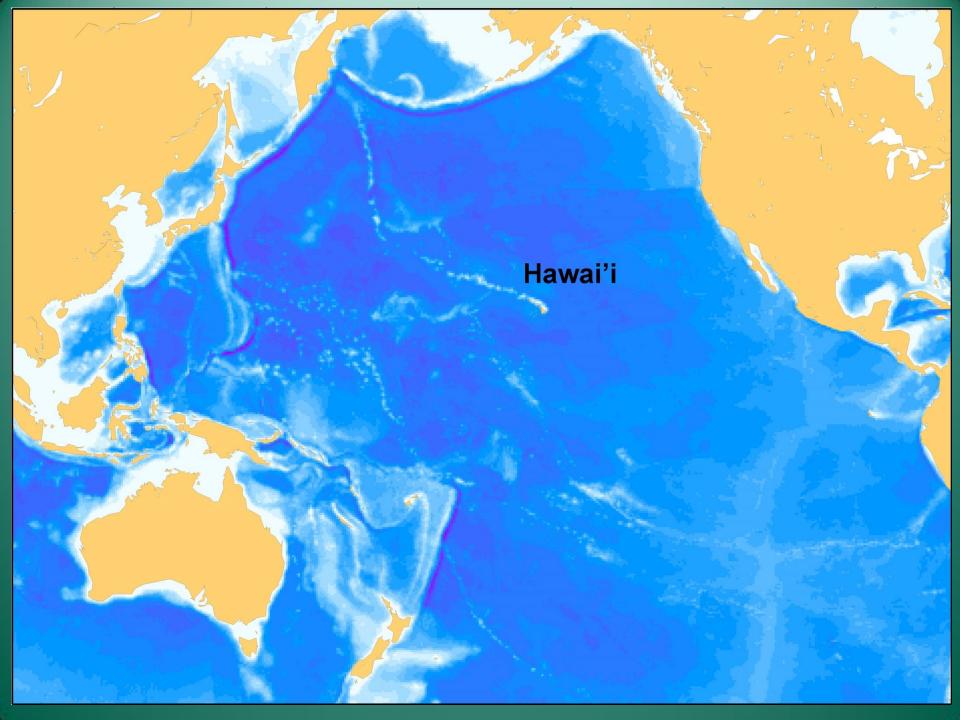


Early Program History:

Historical initiation, continuation, and publication of high-value marine turtle research data

NOAA FISHERIES SERVICE



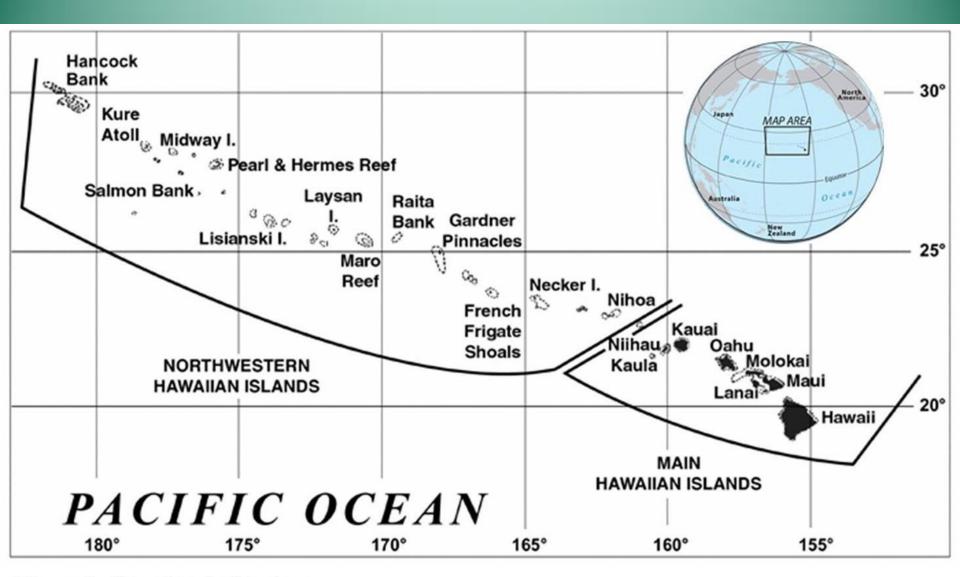
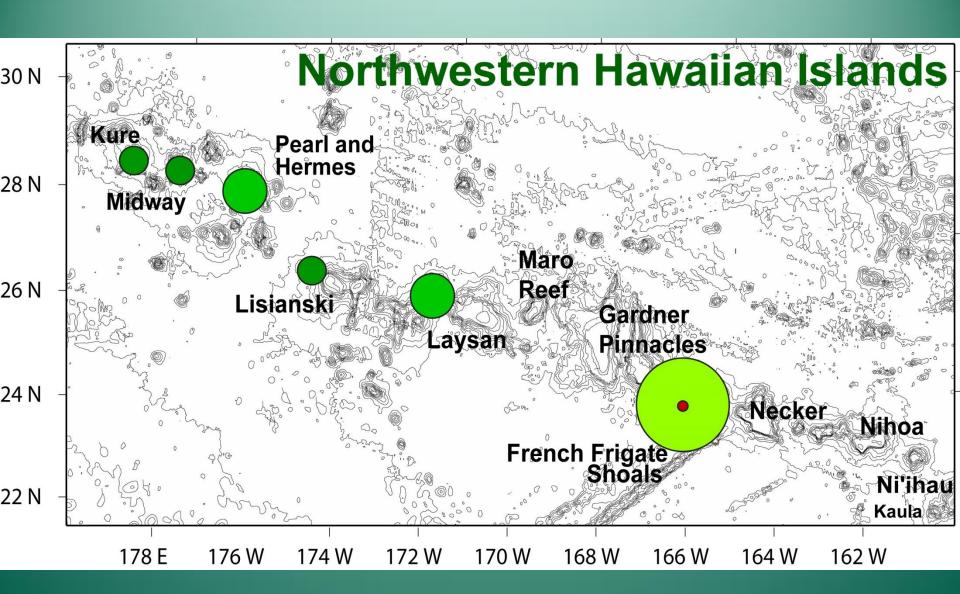


Figure 1. Hawaiian Archipelago



Seven long-term datasets

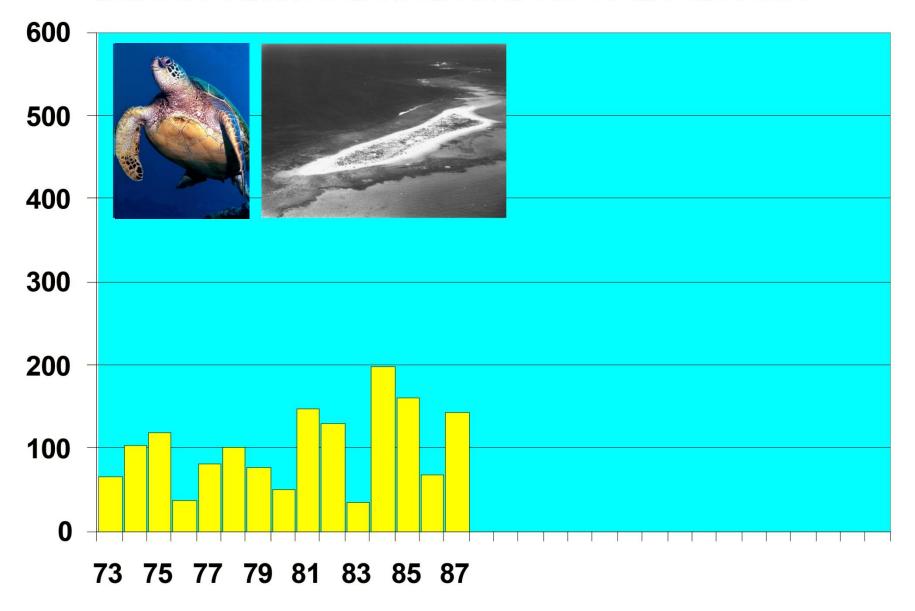
- Nester monitoring and tagging
- Ocean capture/basking tagging
- Strandings
- Necropsies including pelagic by-catch
- Rehabilitation and release
- Euthanasia
- Satellite tracking



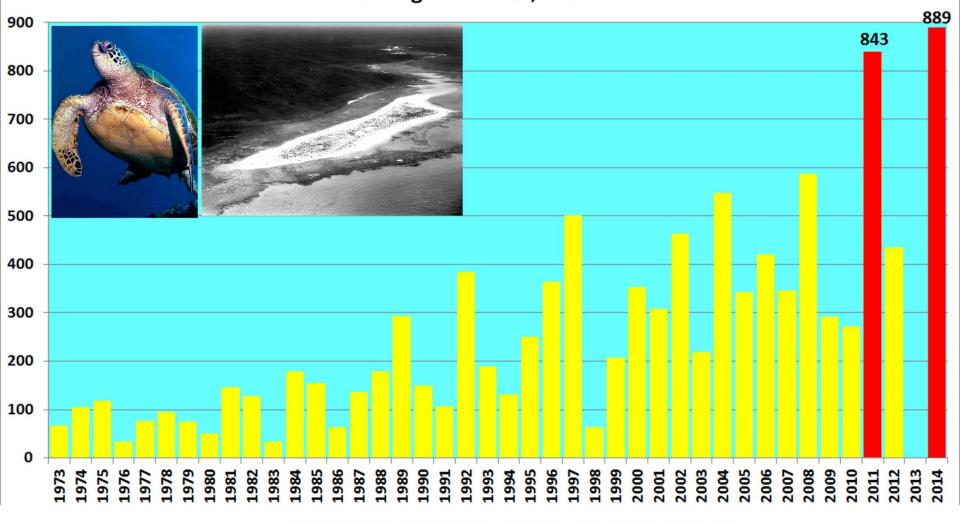




GREEN TURTLES NESTING AT EAST ISLAND

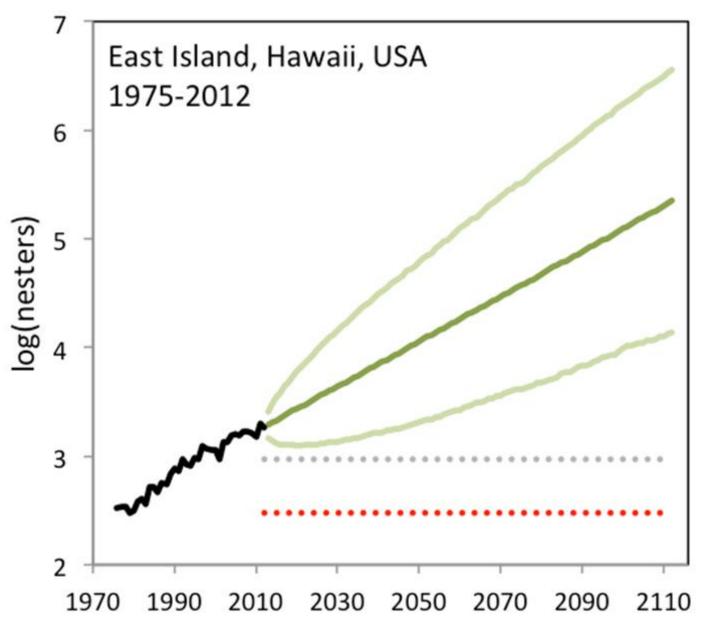


Green turtles nesting at East Island, French Frigate Shoals, 1973-2014

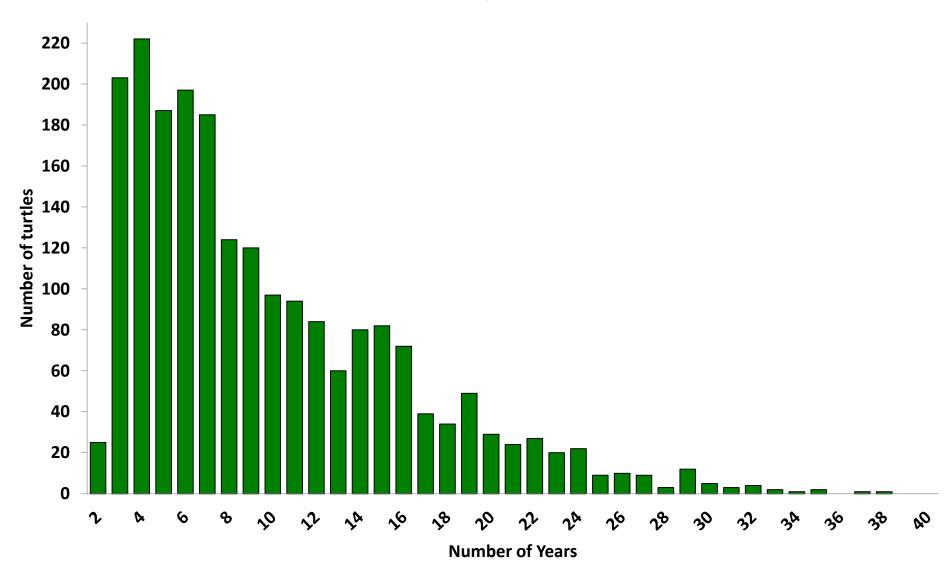


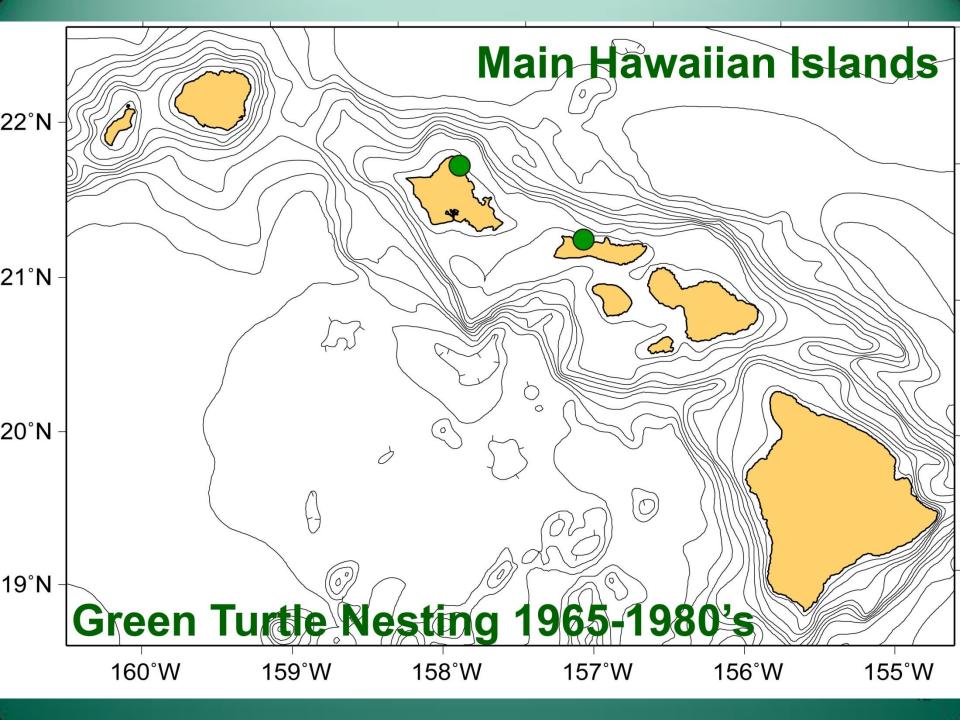
Pacific Islands Fisheries Science Center National Marine Fisheries Service ANNUAL TREND FOR 42 SEASONS

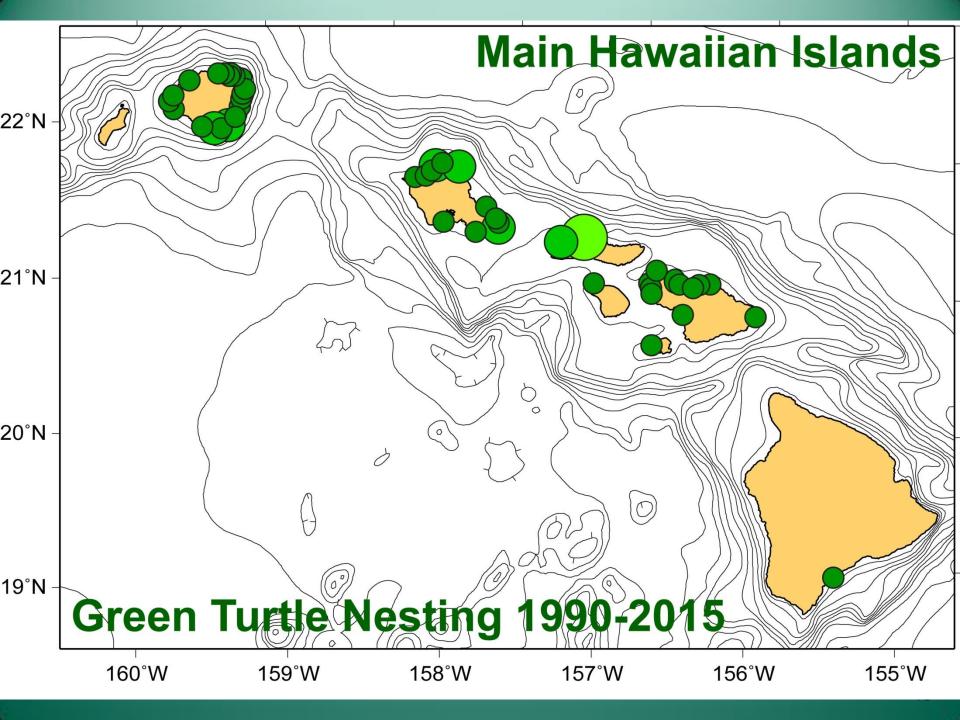
Stochastic Exponential Growth Model Output for East Island FFS from Seminoff et. al. 2015



Lifespan based on tagging of green turtles nesting at French Frigate Shoals











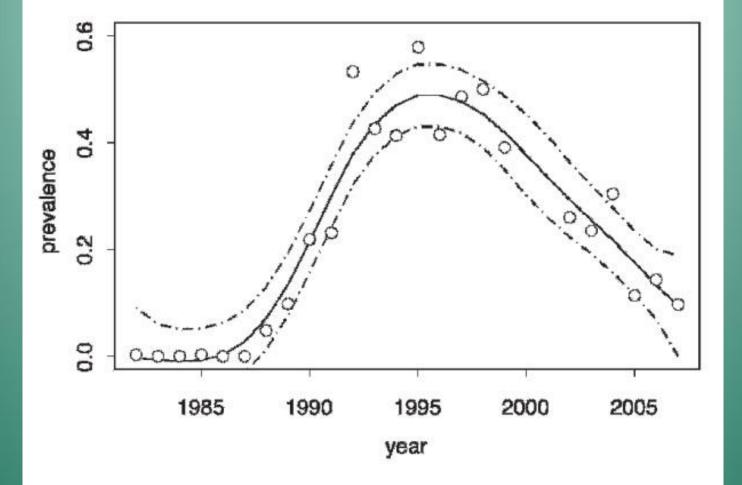
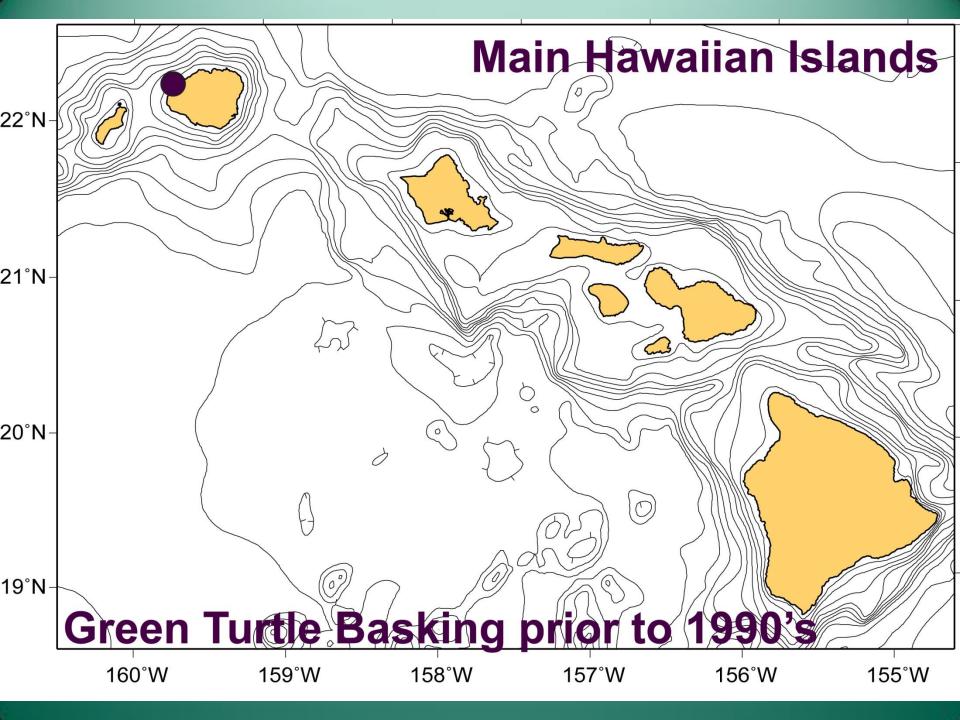


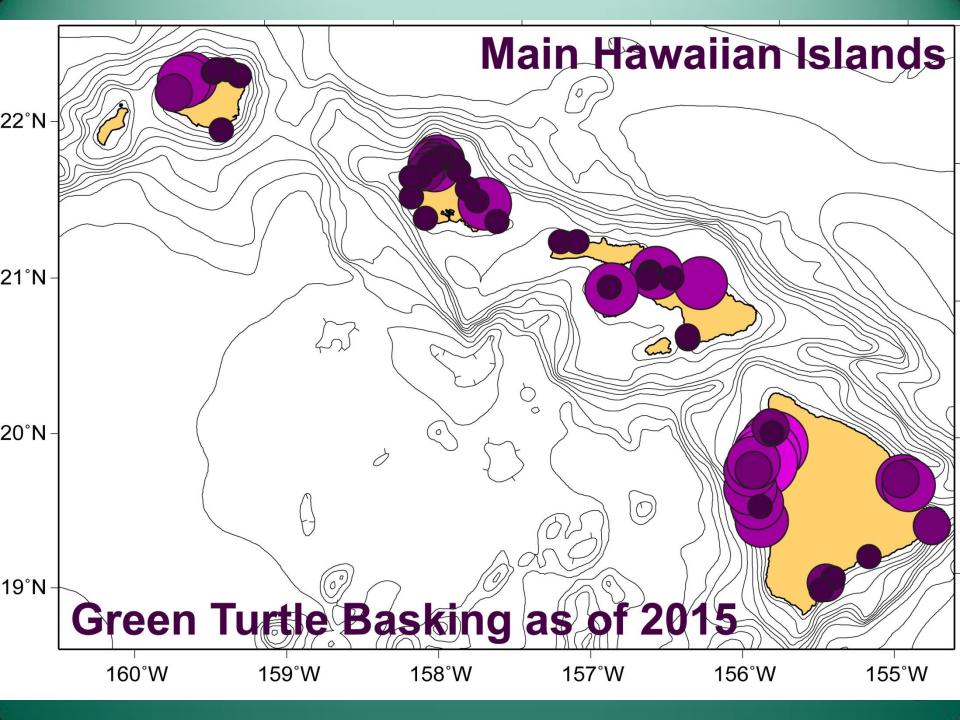
FIGURE 2. Epidemic curve with three phases: 1) rapid increasing phase (1988–1991), 2) peak phase (1992–1998), 3) slow decline phase from 1999 onward. Solid curve=smoothing spline fit, dashed curves=95% Bayesian confidence intervals, dots =apparent prevalence estimates.

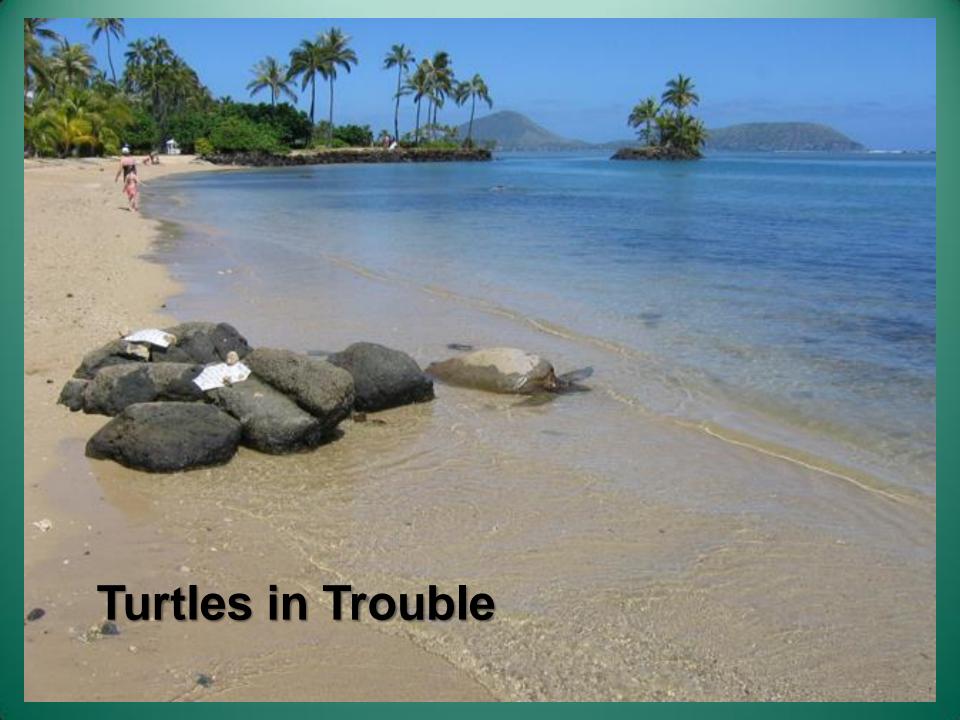






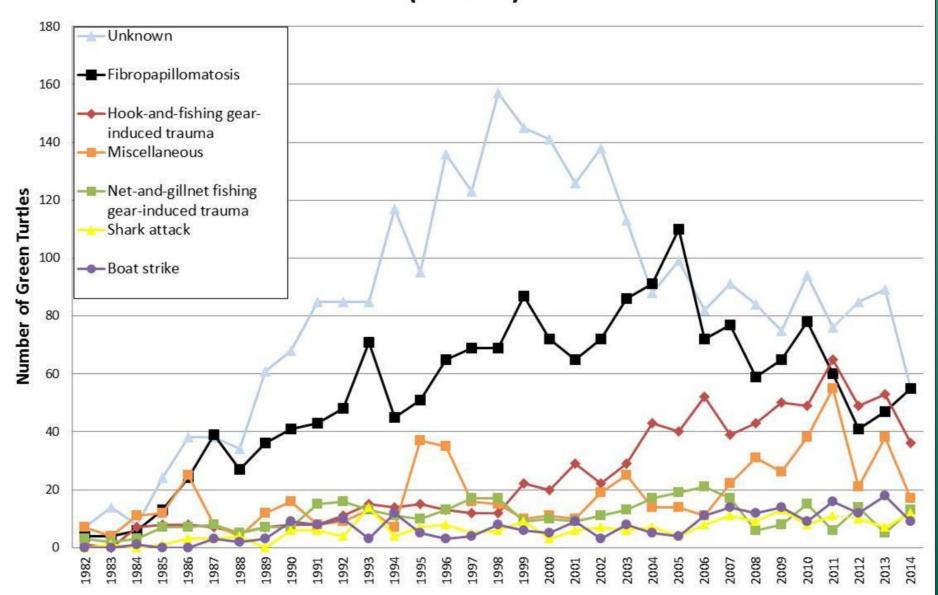


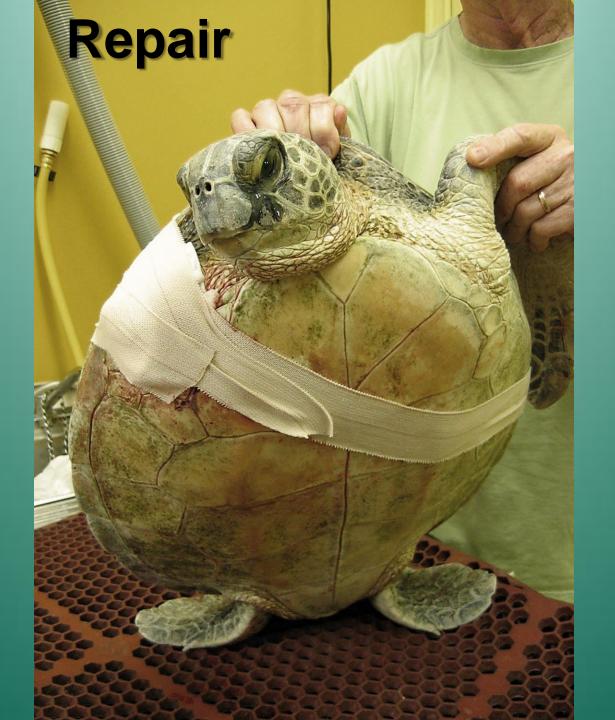






1982-2014 All Hawaiian Green Turtle Stranding Events (n=6724)

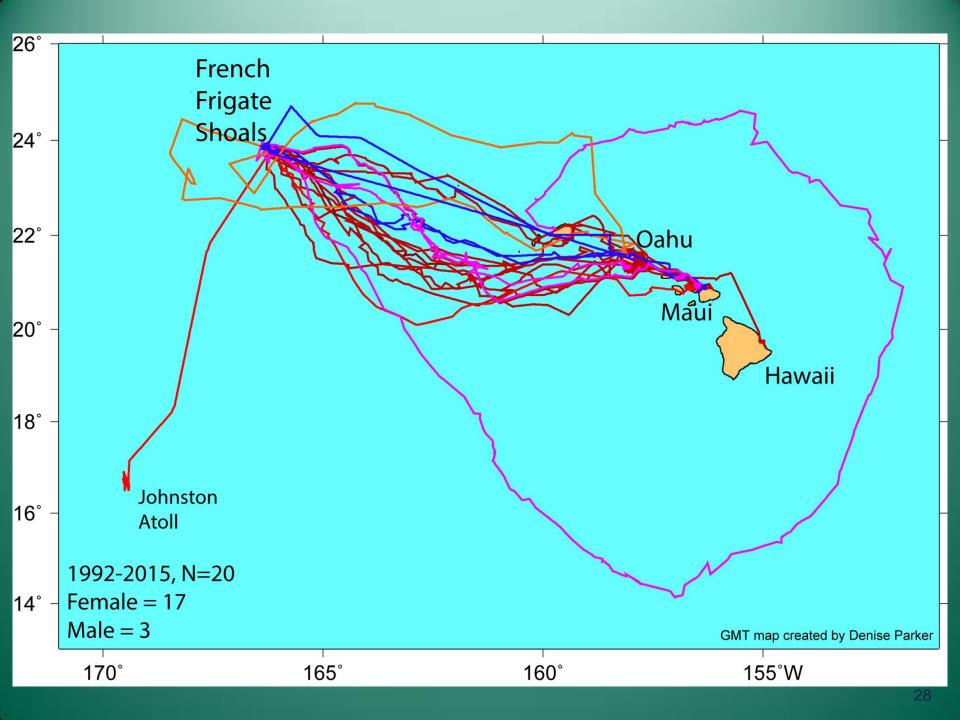






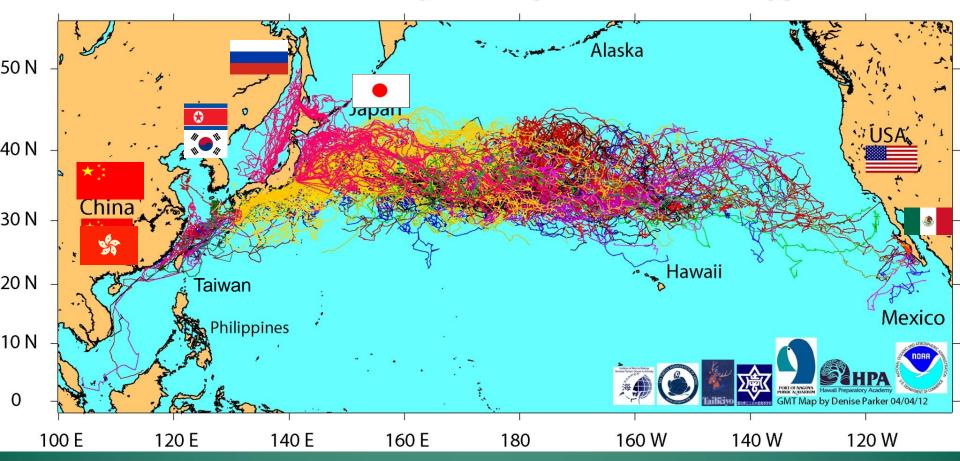
Satellite tracking



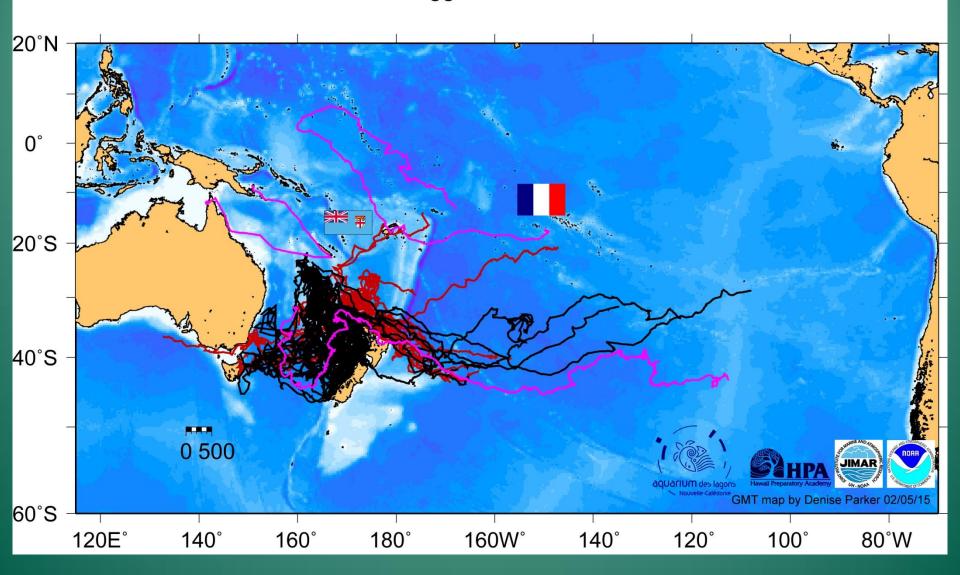




1997-2012 Satellite Tracking of Pelagic North Pacific Loggerheads



2008-2014 Satellite tracks for loggerhead turtles released in the South Pacific











The Shifting Sands of Time