

Invitation

Please Join Us for the Friends of Hanauma Bay Annual Dinner & Meeting

When: Thursday, Oct. 30, 2014

Where: O'ahu Club

6800 Hawaii Kai Drive

What Time: 6:00 - 8:30

Menu: Pot Luck



PRESENTATION BY GEORGE BALAZS

"Honu of the Hawaiian Islands: An Amazing 40-year
Rise to Abundance"

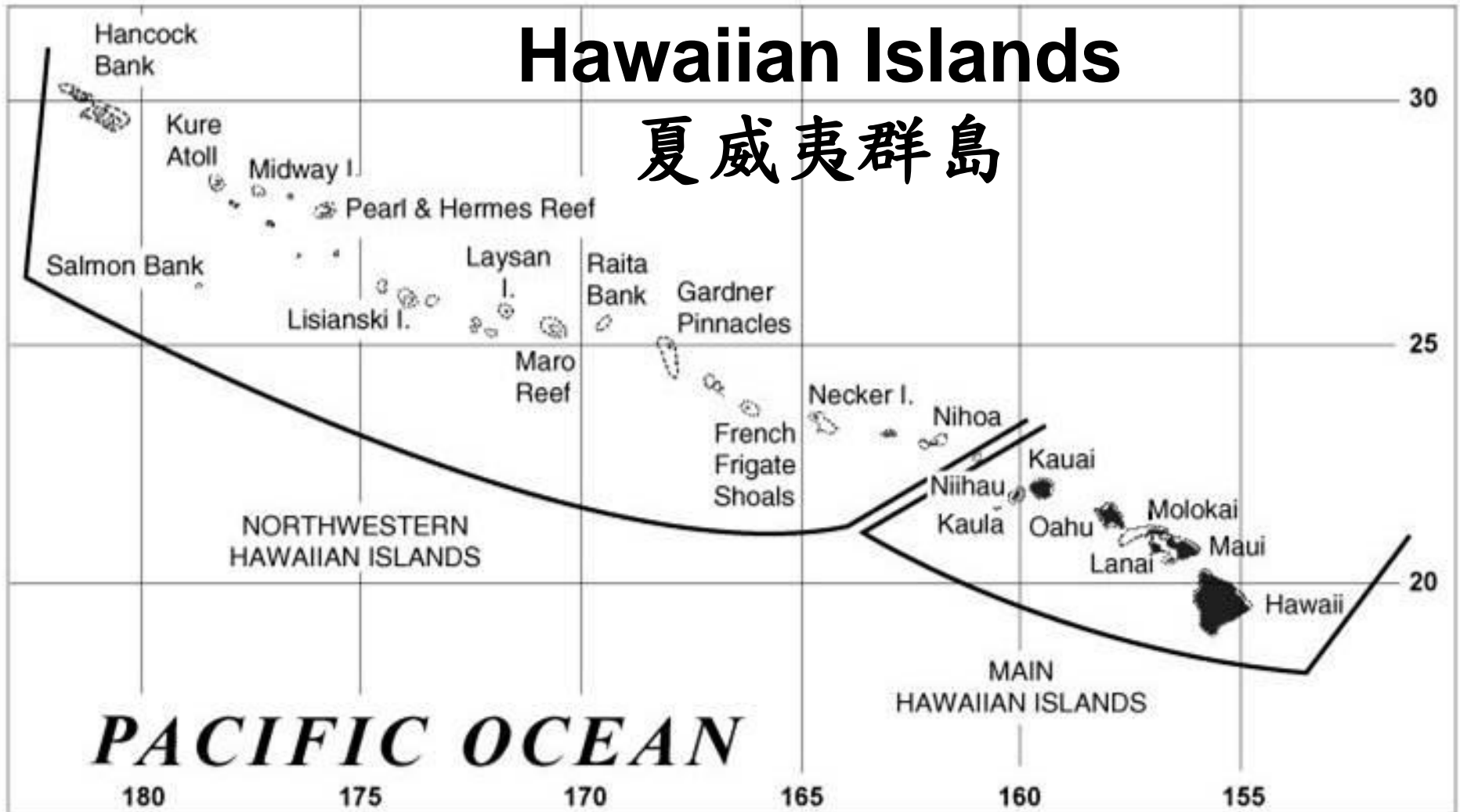
RSVP to vicepresident@friendsofhanauabay.org
by October 25.

Hawaiian Green Turtles 50-Year History of Changing Ecology And Restoration

鳳凰

Hawaiian Islands

夏威夷群島



The Hawaiian Archipelago

Green
Honu
綠蠐龜





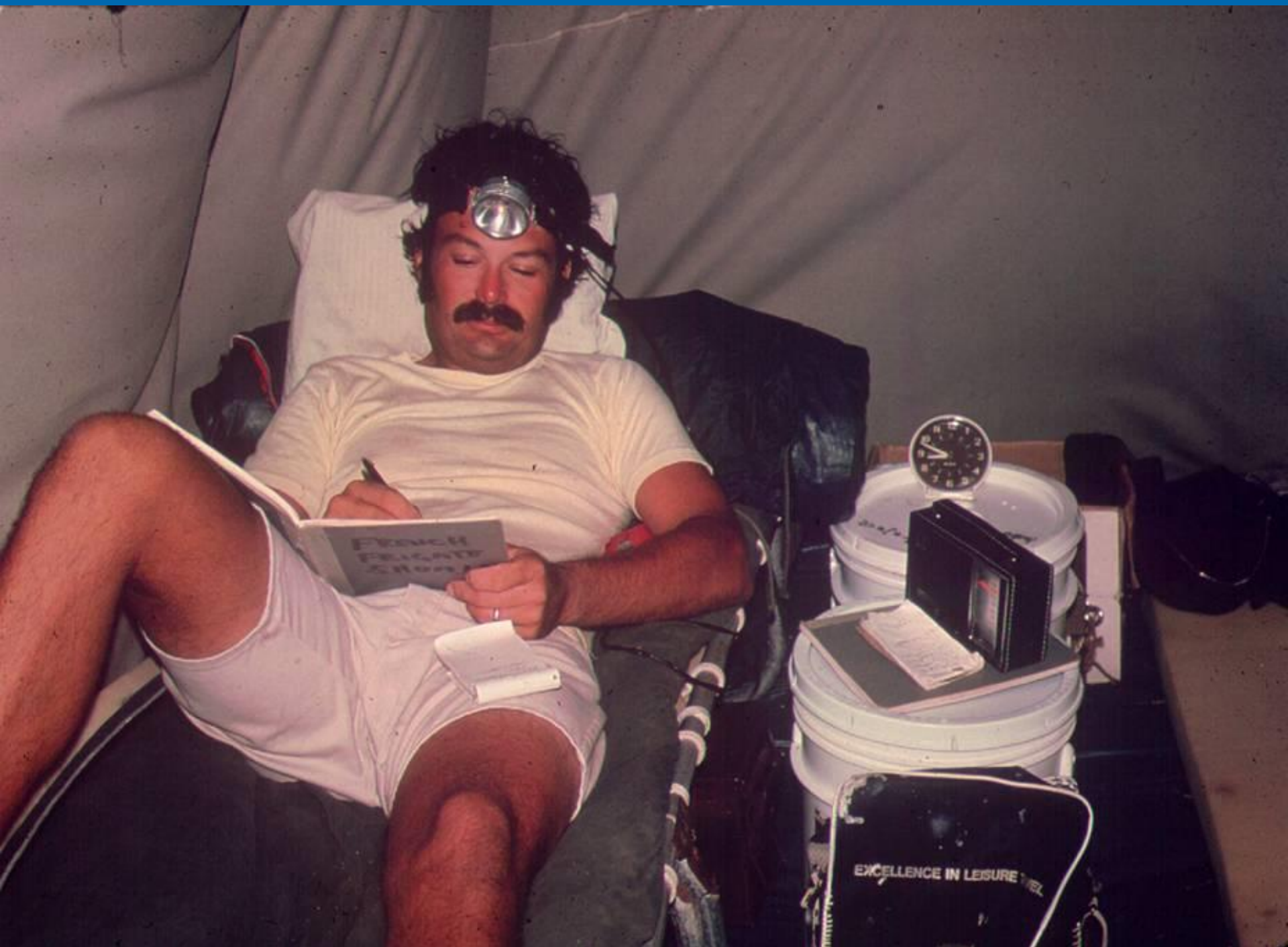
Hawaiian Green Turtle, *Chelonia mydas*







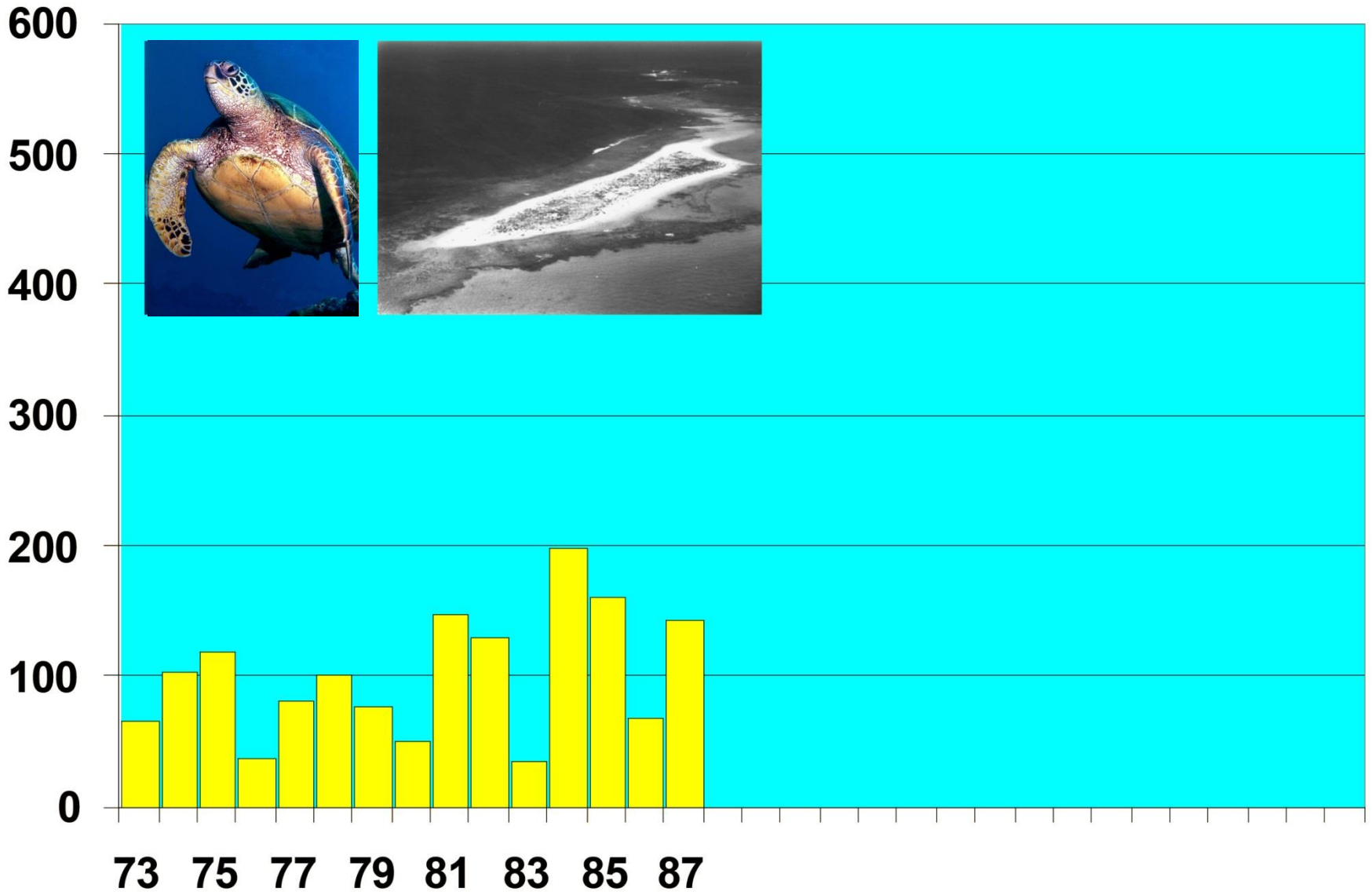




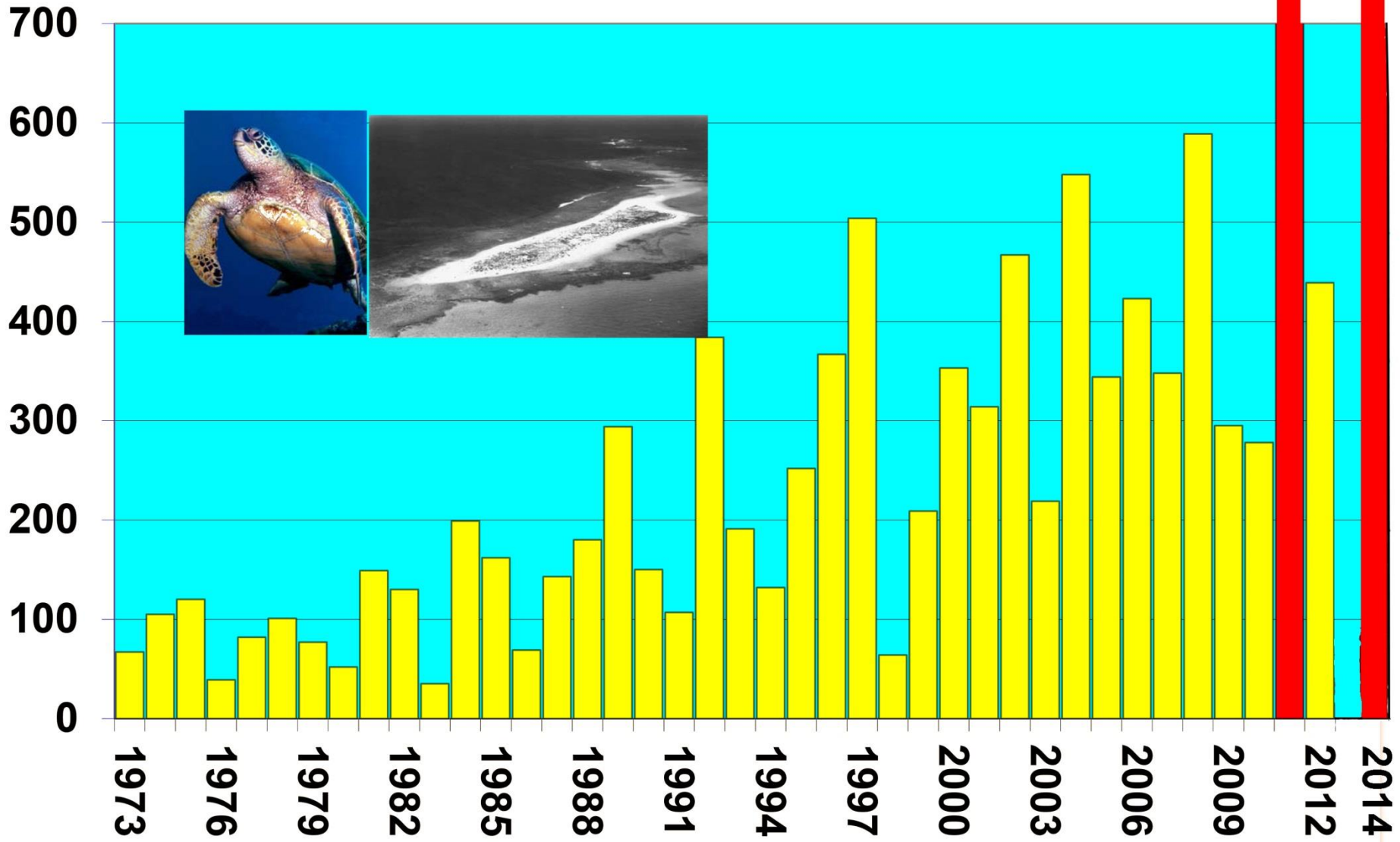
FRENCH
FREIGHT
SHOPS

EXCELLENCE IN LEISURE

GREEN TURTLES NESTING AT EAST ISLAND

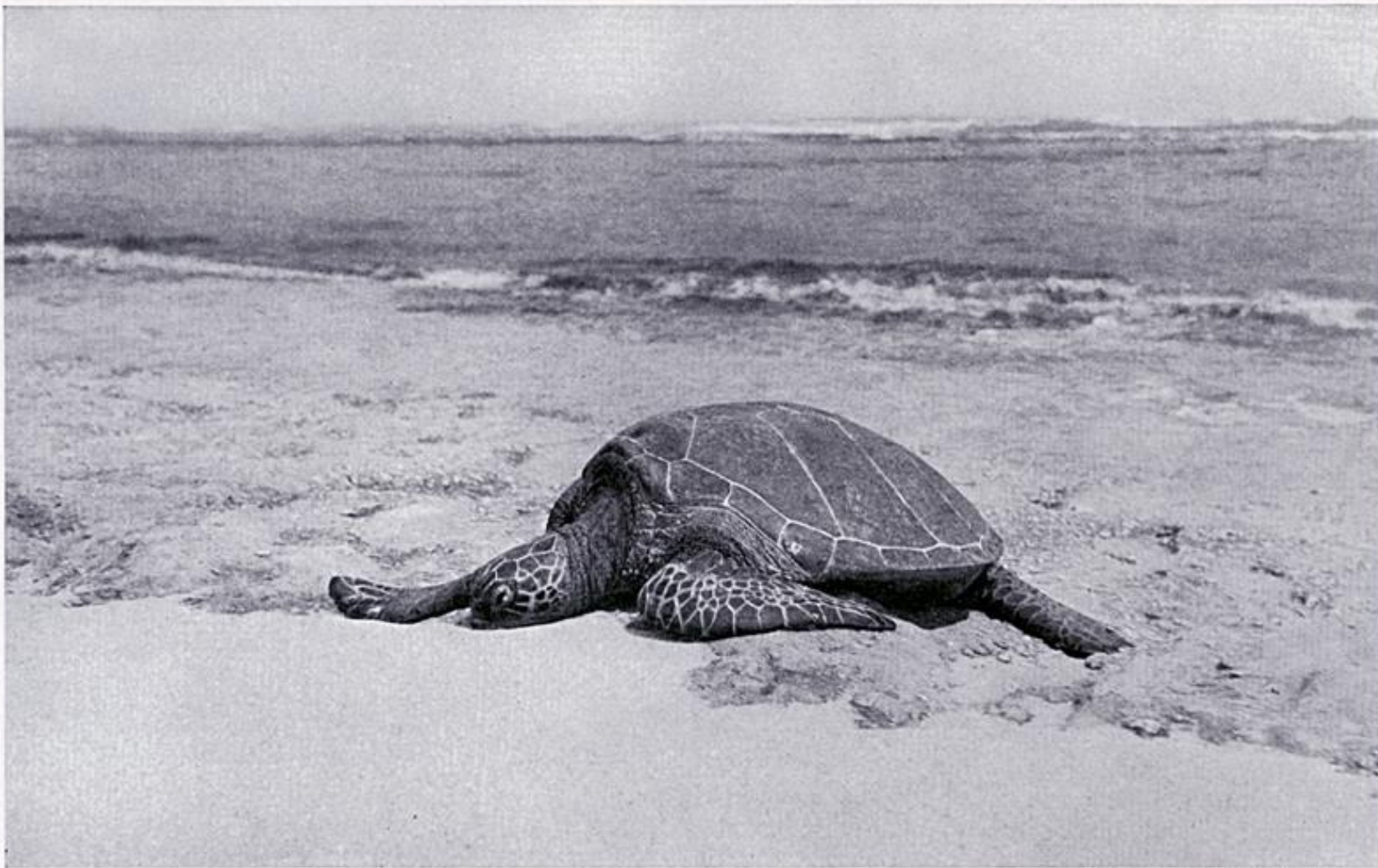


GREEN TURTLES NESTING AT EAST ISLAND FRENCH FRIGATE SHOALS 1973 - 2014



Marine Turtle Research
Pacific Islands Fisheries Science Center
National Marine Fisheries Service

ANNUAL TREND FOR 40 SEASONS



Photograph by Alexander Wetmore

A GREEN TURTLE ASLEEP ON A SANDY BEACH: LISIANSKY ISLAND

These grotesque creatures browse in submarine fields of algæ until hunger is satisfied, and then crawl heavily out to sprawl in the sand, safe from enemies in the sea. On one occasion, the author, while walking 300 yards along the beach on Lisiansky Island, counted 80 of these creatures from fifteen inches to four feet in length. Others, feeding a few yards offshore, were hidden by ripples on the water and so escaped this casual census. Their only enemies seem to be sharks.









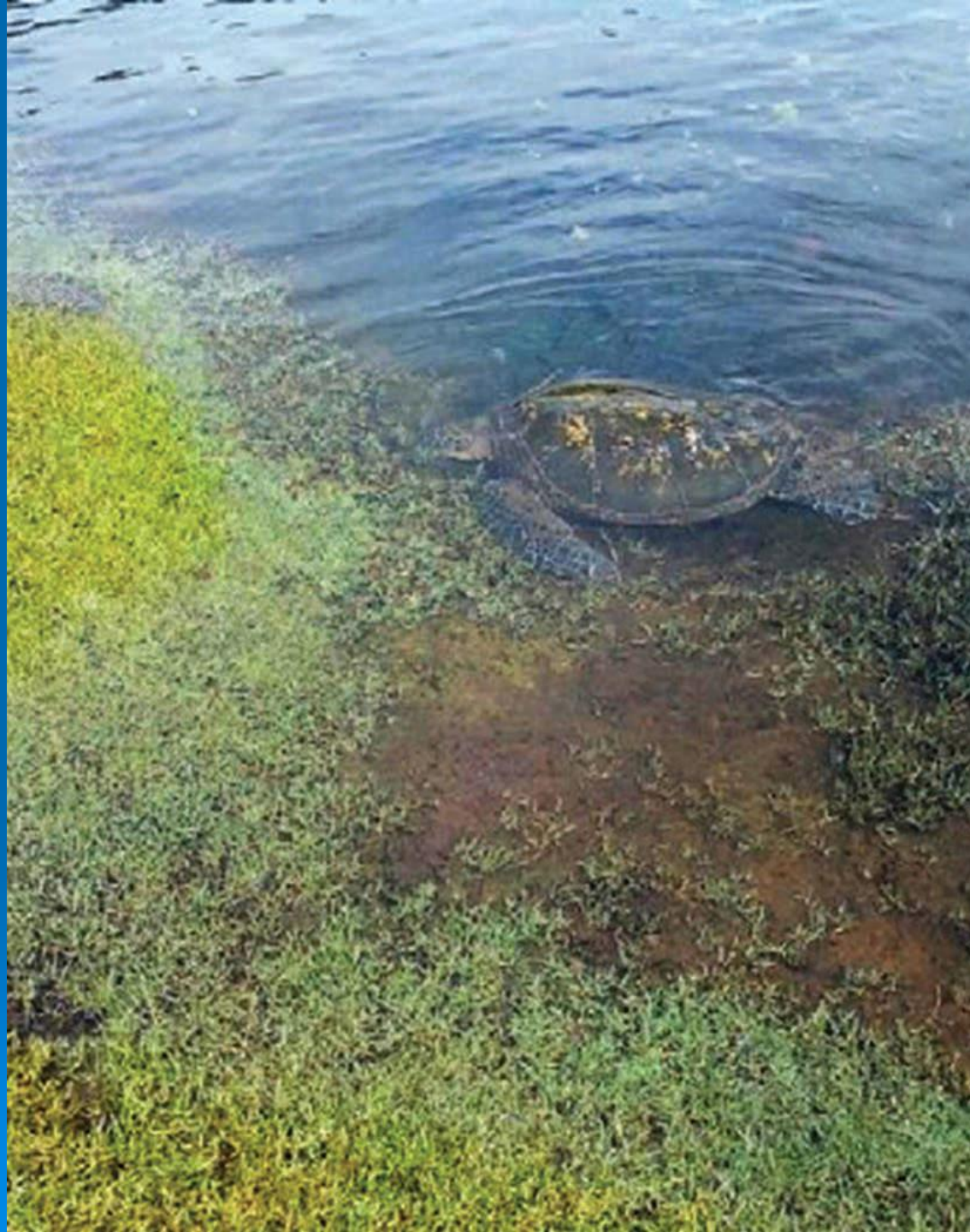


Changing Behaviors



10 5 '99





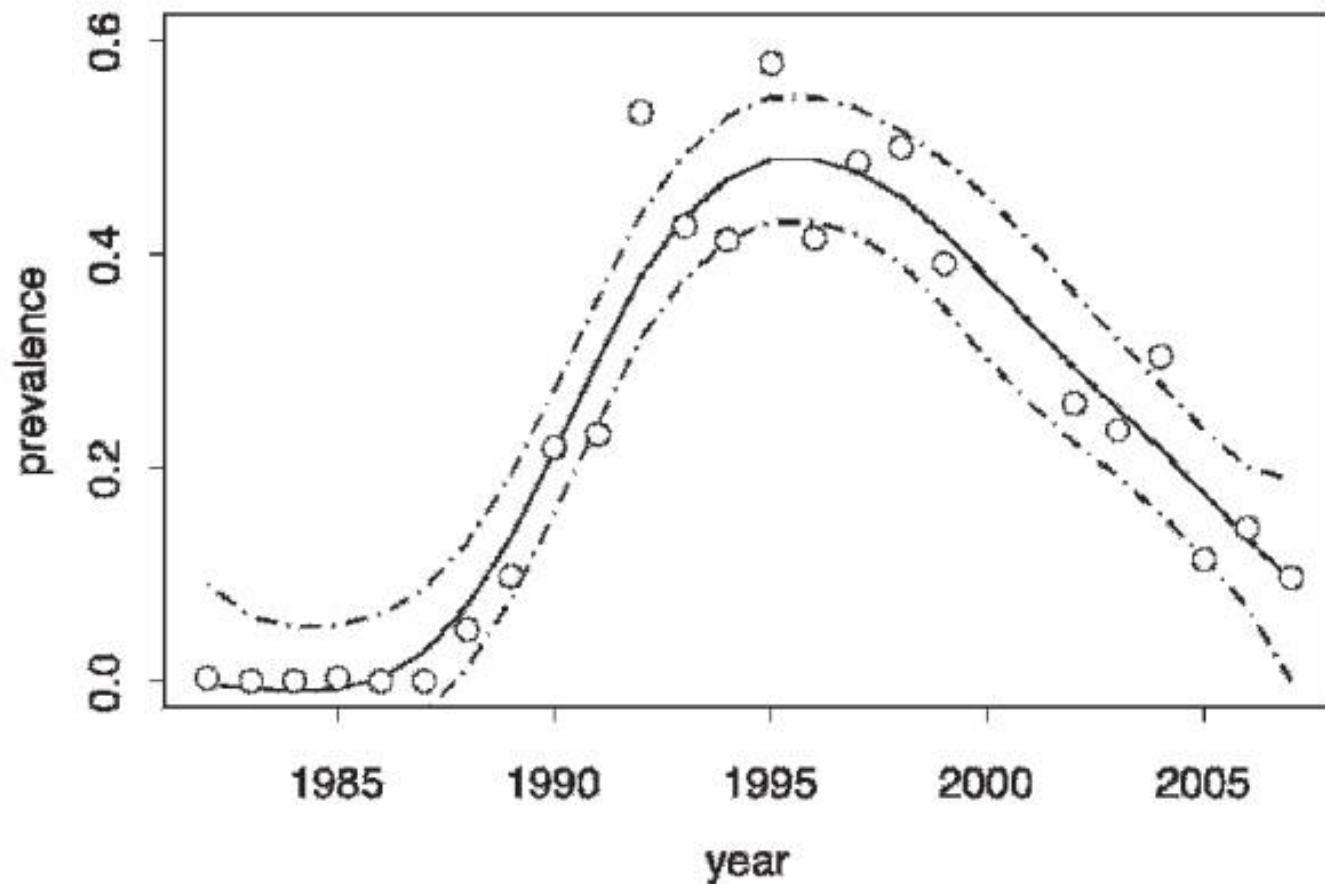


FIGURE 2. Epidemic curve with three phases: 1) rapid increasing phase (1988–1991), 2) peak phase (1992–1998), 3) slow decline phase from 1999 onward. Solid curve=smoothing spline fit, dashed curves=95% Bayesian confidence intervals, dots =apparent prevalence estimates.





Hanauma Bay

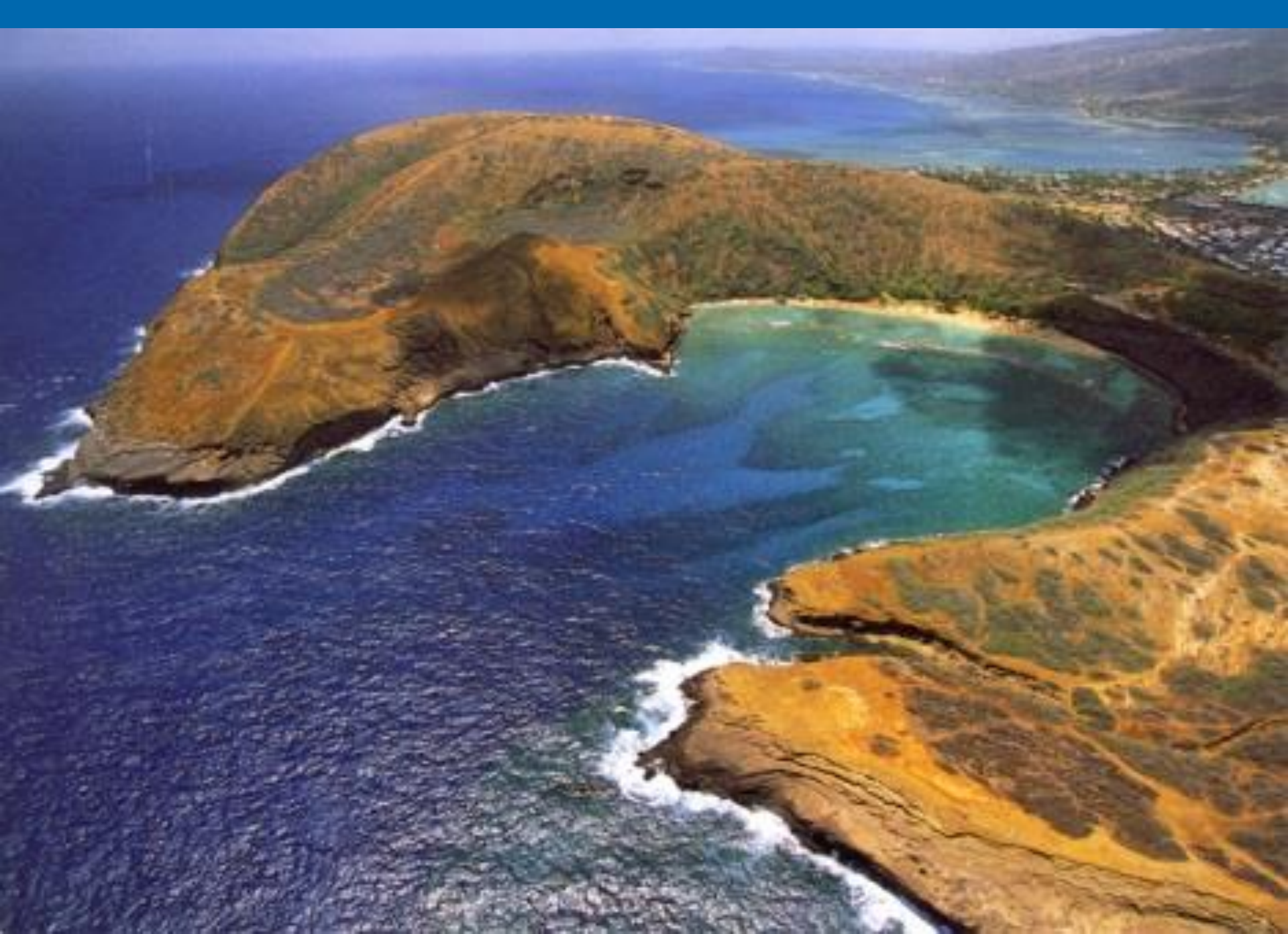
Hanauma Bay

















SEA TURTLES

**RESEARCH
IN PROGRESS**

Hanauma Bay Green Turtles 1992-2014

73 captured and tagged

37 recaptured one or more times

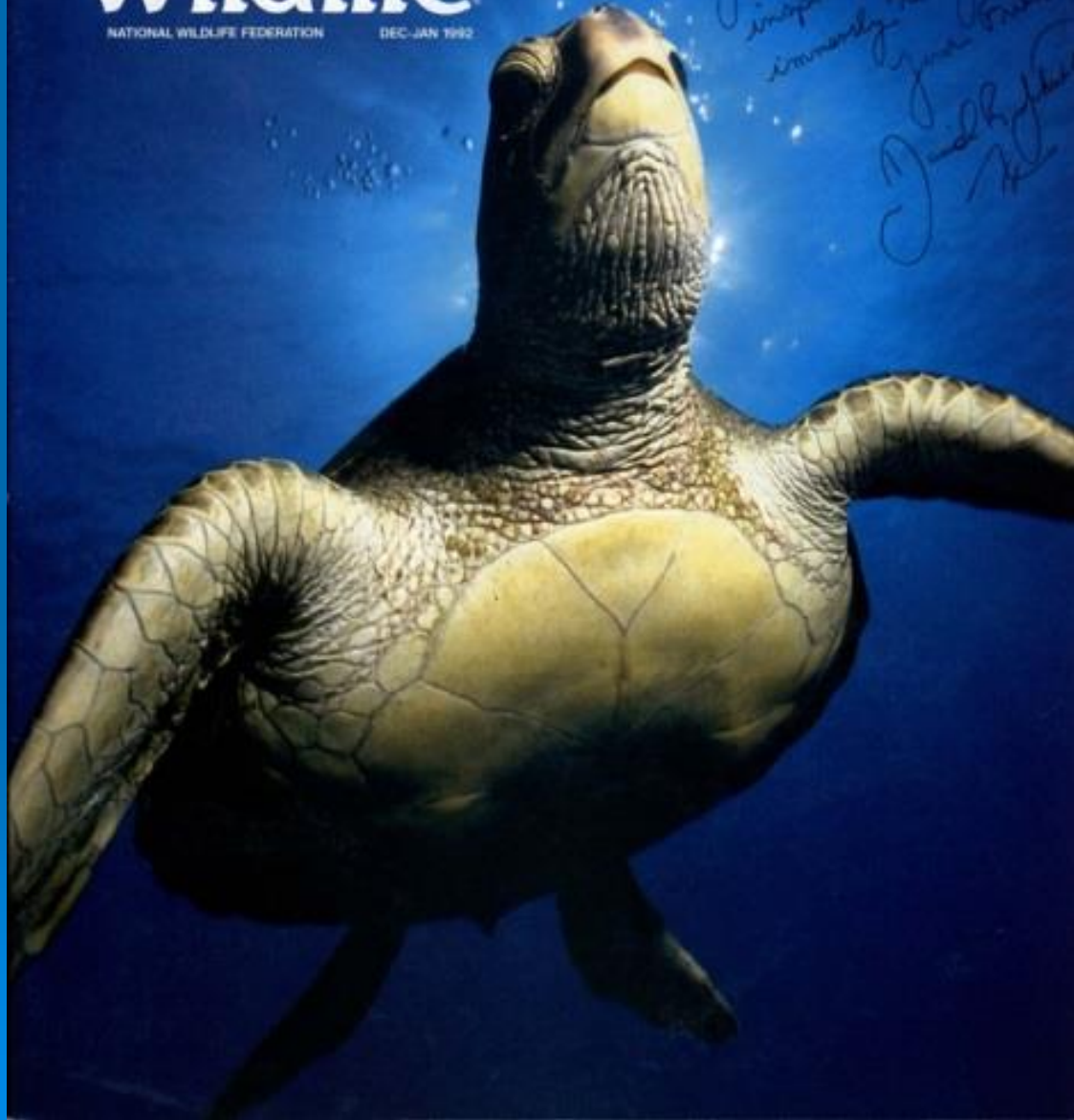
173 captures



National Wildlife

NATIONAL WILDLIFE FEDERATION

DEC-JAN 1992



*Dear George:
Your guidance and
inspiration have enriched
immensely my career.
Your friend
David Hoffmann
1/1/92*







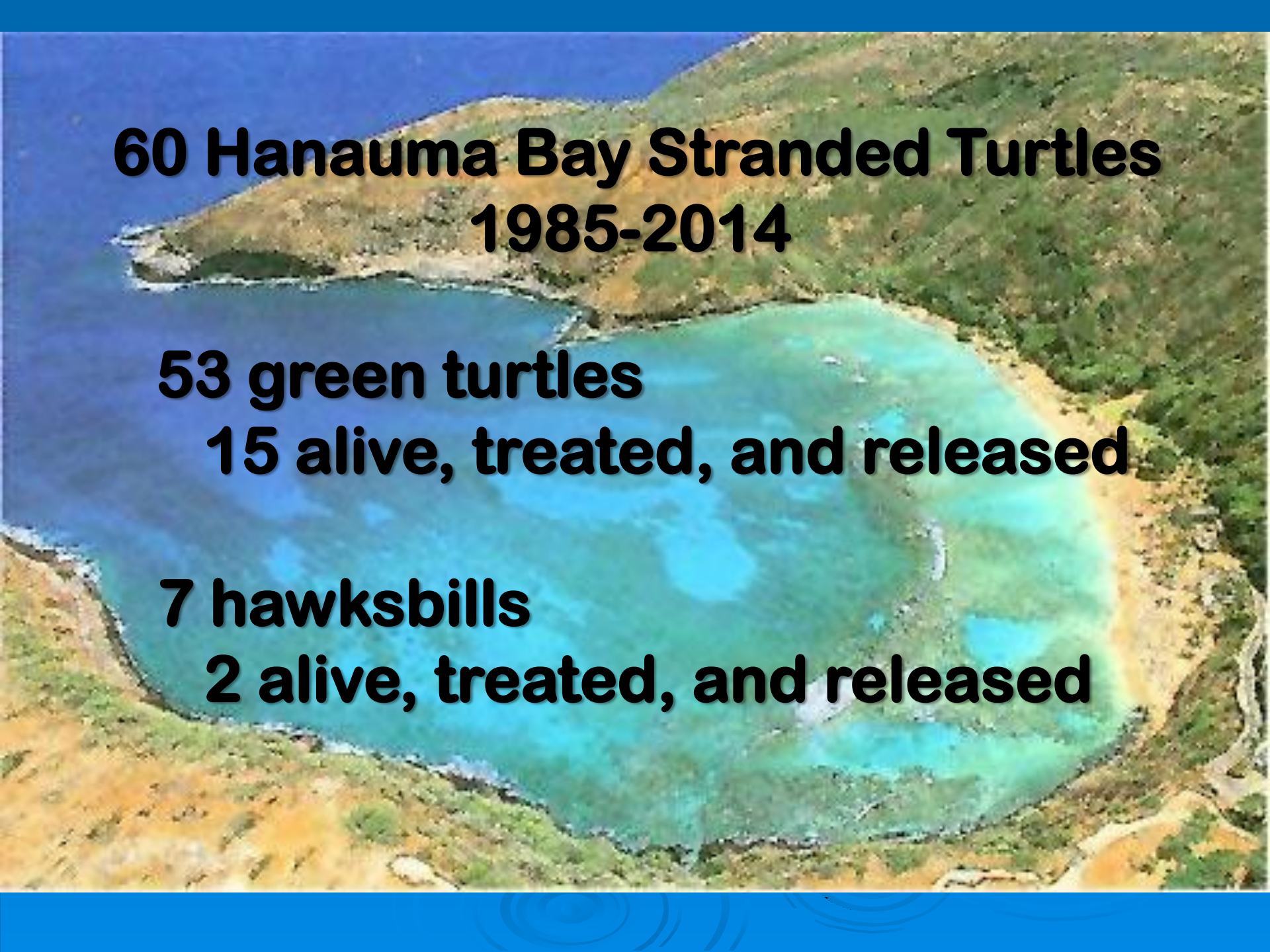


Hanauma Bay

Turtle ID: 44127F7779

Progression and Regression of FP eye tumors





**60 Hanauma Bay Stranded Turtles
1985-2014**

53 green turtles

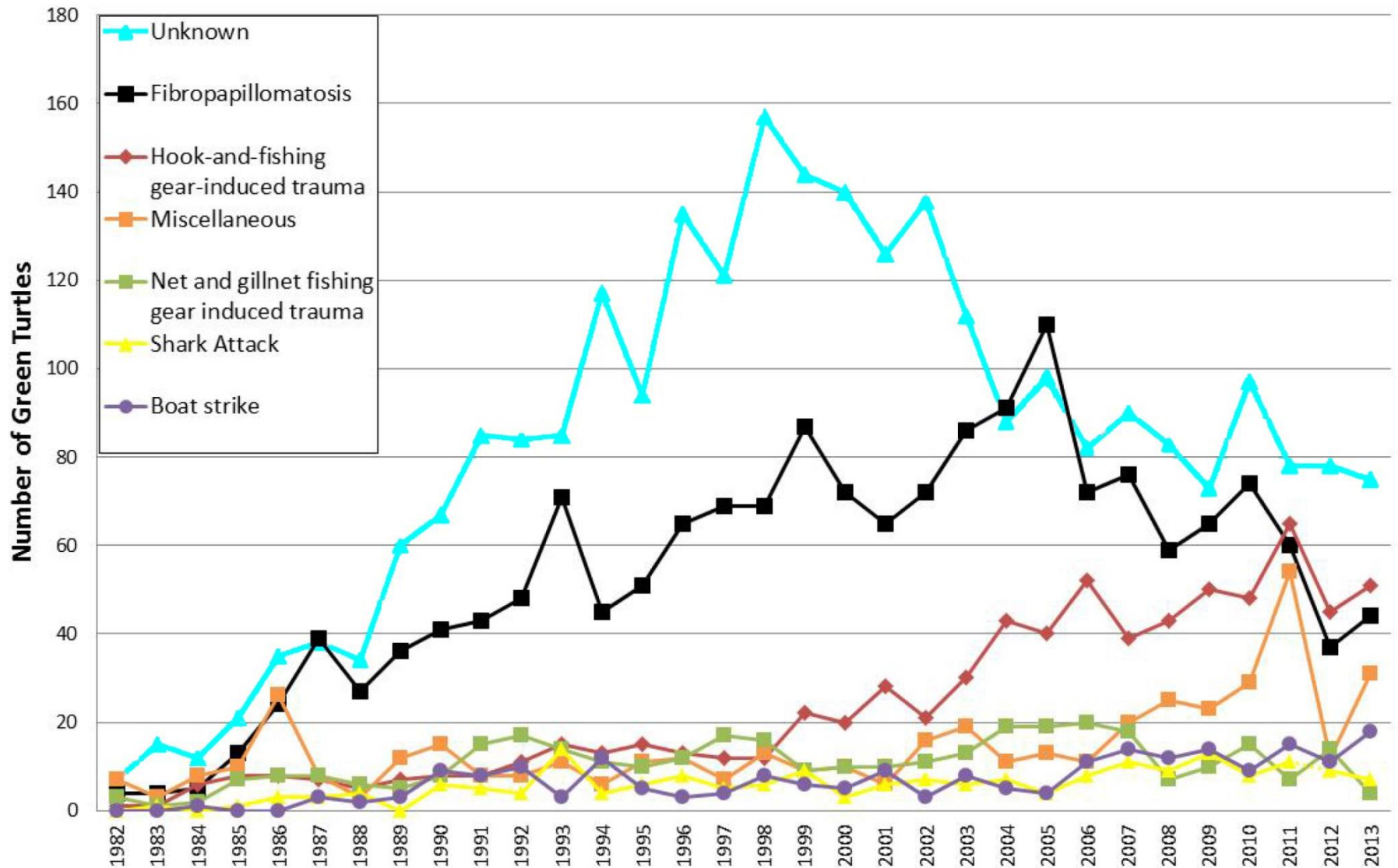
15 alive, treated, and released

7 hawksbills

2 alive, treated, and released

Figure 5. Green turtle strandings from Main and Northwestern Hawaiian Islands by cause from 1982 through 2013.

1982-2013 All Hawaiian Green Turtle Stranding Events (N=6346)















Releasing Turtles for Research



海龟放流的研究机会



NATIONAL MARINE
FISHERIES SERVICE
MARINE
TURTLE
PROGRAM

ISLANDSNOW

NAME TAG

Sea Life Park

Sea Life Park
Animal Care

Reef fish cleaning a green turtle

珊瑚魚正在為綠蠟龜清洗

The End

報告完畢

