

MTRP Update



PIFSC Marine Turtle Research Program



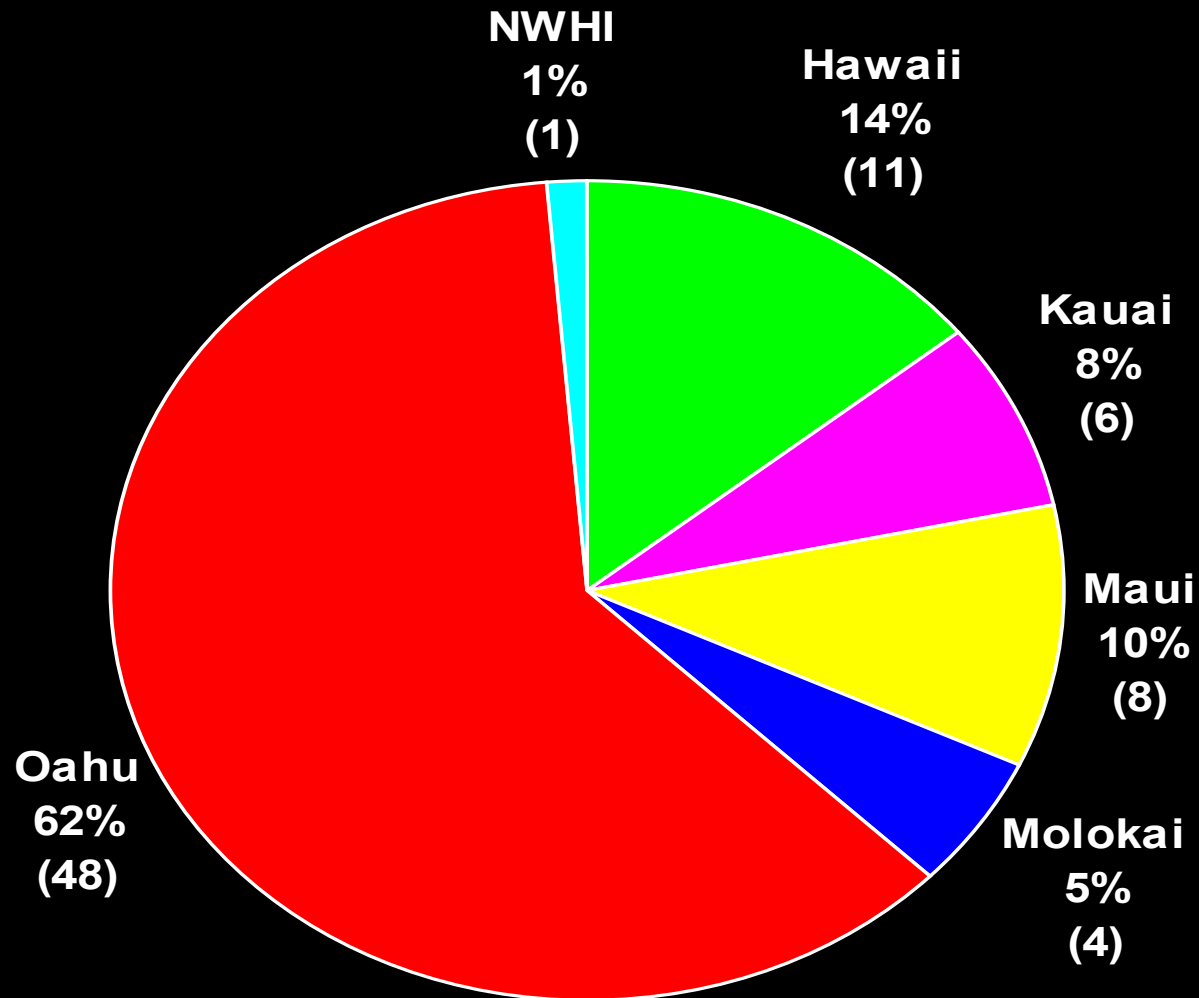
Recap from 2008

- Genetics Results
 - 5 mtDNA haplotypes (4 from nesters/nest remains, 1 from 2 stranded turtles)
 - All haplotypes are unique to Hawaii (not found elsewhere in Pacific or in Indian Ocean, but Eastern Pacific not yet analyzed)
- Skeletochronology
 - 23/32 samples processed
 - 80 cm turtle ~ 19-24 years old

Summary of Marine Turtle Strandings in Hawaii (1982-2008)

- 5208 total strandings
 - 5039 (96.8% - *Chelonia mydas*)
 - 78 (1.5 % - *Eretmochelys imbricata*)
 - 38 (*Lepidochelys olivacea*)
 - 5 (*Dermochelys coriacea*)
 - 2 (*Caretta caretta*)
 - 46 (undetermined species)

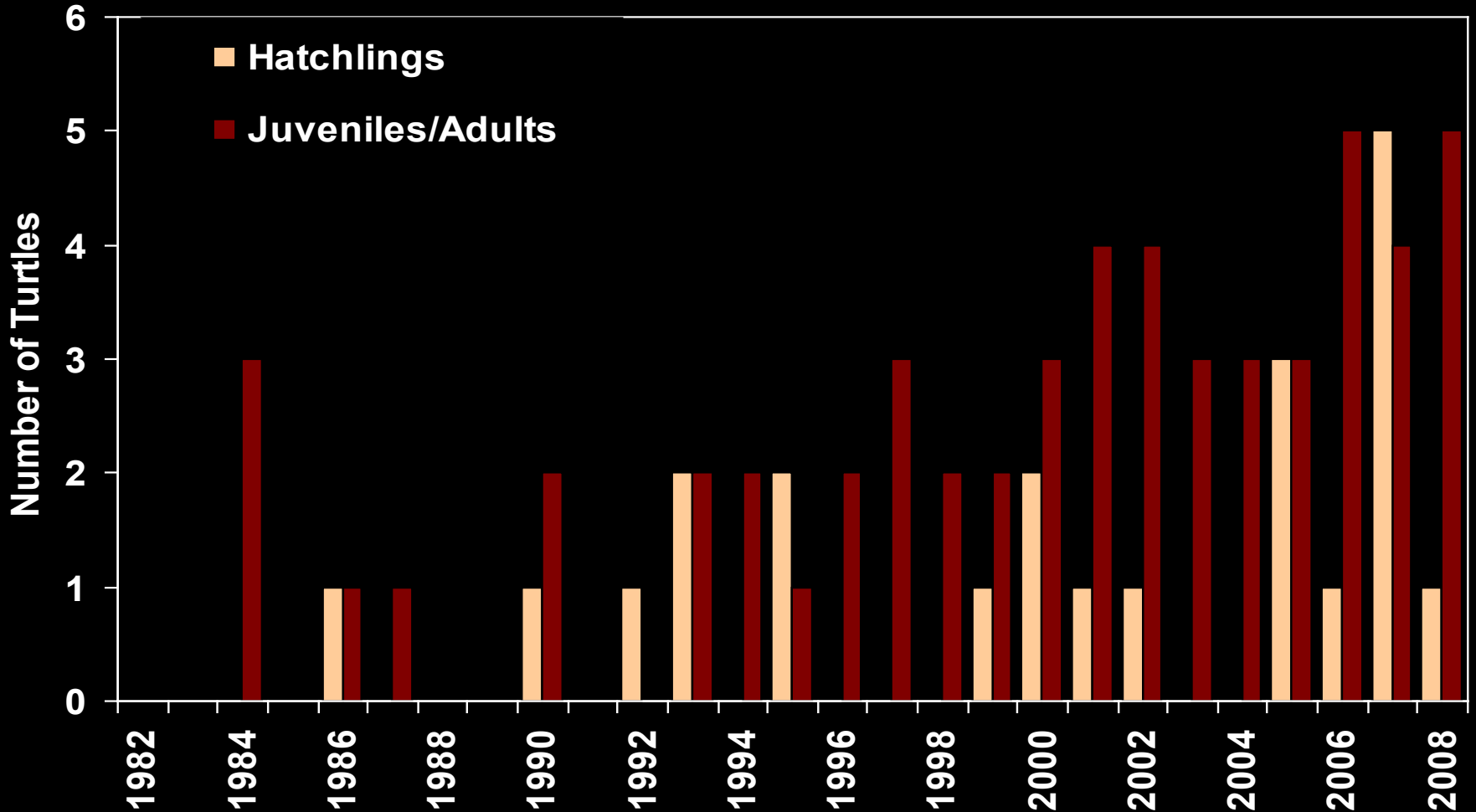
Hawksbill Strandings by Island (1982-2008)



PIFSC Marine Turtle Research Program



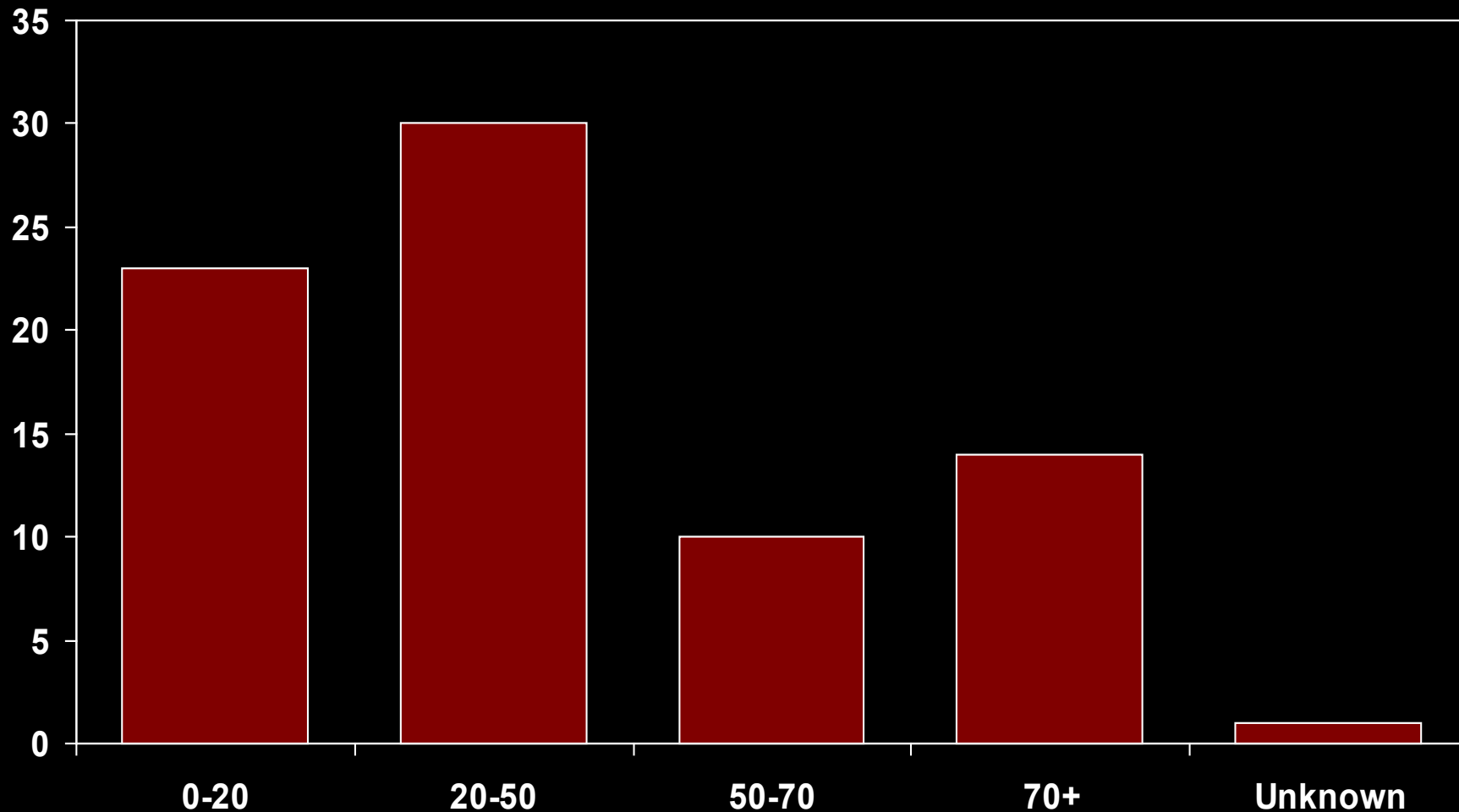
Stranding Time Series



PIFSC Marine Turtle Research Program



Size Class Distribution of Stranded Hawksbills in Hawaii (1982-2008)



PIFSC Marine Turtle Research Program



2008 Hawksbill Strandings

1. 2/22/08 – Hanauma Bay, Oahu, 67.3 SCL; rehabilitated and released on 7/3/08 in Kaneohe Bay; Cause: Unknown



2. 3/2/08 – Wailua River, Kauai, 37.4 SCL, FEMALE, dead; Cause: Unknown
3. 5/21/08 – Ala Wai Yacht Harbor, Oahu, 79.0 SCL, FEMALE, dead ; Cause: Unknown



4. 9/4/08A – Humuhumu Point, Hawaii, Tagged Adult Female (8A22/8A23), FEMALE, dead;
Cause: Fell into crevice



5. 9/4/08B – Kailua Bay, Oahu, 42 SCL, FEMALE, died; Cause: emaciation and intestinal trematodiasis



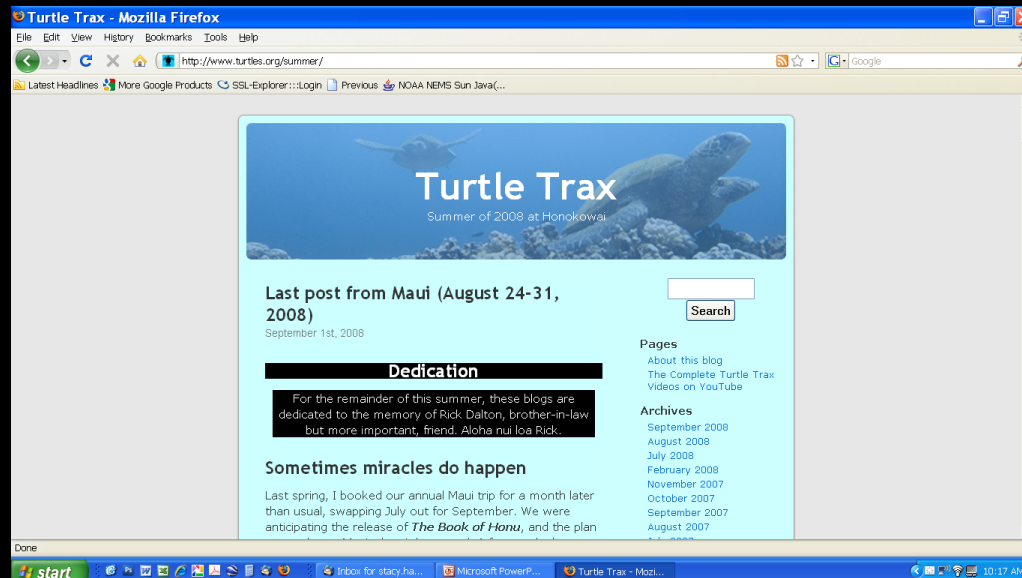
6. 11/26/08 – Kailua Beach, Oahu, Hatchling, died

MTRP Update

- Scouted hawksbill habitat with Steve Williams at Oneuli (Makena Black Sand) on Maui for potential as a capture site (May 2009)
- “Short-range movements of post-nesting hawksbill turtles in the Hawaiian Islands” will be published in next issue of Pacific Science (Parker, Balazs, King, Katahira, and Gilmartin)
- 117 samples obtained from nest remains (2004-2007) shipped to SWFSC for genetic analysis and archiving and to Shannon Graham (UHH) for stable isotope analysis

www.turtles.org/summer

- Ursula and Peter encountered 4 hawksbills and Wai? the honubill at their Honokowai dive site in 2008



Kiniana – July 2008



PIFSC Marine Turtle Research Program



Likeke – July 2008



PIFSC Marine Turtle Research Program



Wai? – July 2008

Honokowai and Kuamo'o



PIFSC Marine Turtle Research Program



New Hawksbill at Honokowai

August 2008



PIFSC Marine Turtle Research Program



1D66/1D67 – August 2008



- Tagged at Pohue, Hawaii

PIFSC Marine Turtle Research Program



Aloha

