



History of Turtle Tagging in Hawaii

- 1st turtle tagged in Hawaii: 1951
Laysan (DFG)
- Large-scale effort started in 1965 in
NWHI (DFG & US Bureau of Sport Fisheries and
Wildlife ; now USFWS)
- Balazs started tagging in 1973 (HIMB)
- Balazs joined NOAA in June 1983



Evolution of TDPS (Turtle Data Processing System)

- Dbase
- MS Access
- Oracle – 2008 (ongoing)
 - Addition of ~40 new fields



Data Sets in TDPS



- Nesting Data
 - Encounter records for individual turtles (TurtleID)
- Nearshore Data
 - Records for turtles captured on foraging grounds or released from captivity, and captive-care/release records for stranded turtles (TurtleID)
- Stranding Data
 - Records of live and dead stranded turtles (TurtleID or DateID)

Summary of Existing Data

- Nesting ~ 36,000+ records 1975-2008
- Nearshore ~ 24,000 records 1963-2010
- Stranding ~ 5,600 records 1982-2010
- Tags ~ 37,000
- TurtleIDs ~ 15,250

Oracle Data Entry Form

The screenshot shows the Oracle Data Entry Form interface with several callout boxes highlighting specific features:

- Lat/Long**: A callout box pointing to the 'Lat/Long' input field.
- Fields for Data Previously Entered in Comments**: A callout box pointing to the 'Comments' field.
- Tracks changes**: A callout box pointing to the 'Change History' section.
- Necropsy Details**: A callout box pointing to the 'Necropsy' section.
- New Fields for Measurements**: A callout box pointing to the 'Measurements' table.

The interface includes a top navigation bar with 'Oracle Developer Forms Runtime - Web', a main form area with various input fields and sections like 'Strand Fix', 'Measurements', and 'Necropsy', and a bottom status bar.

Other Data Sets



- Satellite Telemetry Data
 - 607 tracks (1992-2010) – 4 species
- Time Depth Recorder Data
- Temperature Data Loggers
- Photographs (strandings, fieldwork, etc.)

Archival Systems

- Oracle database – nightly
- Shared network drive (photos, spreadsheets, etc.)
 - External Hard Drive (Dole St) – weekly
 - DVDs (Aiea) – quarterly
- Satellite Telemetry Data
 - CDs/DVDs & 2 External Hard Drives stored at off-site locations (ie: 2 locations in Silver Spring, MD)

Data Accessibility – Oracle

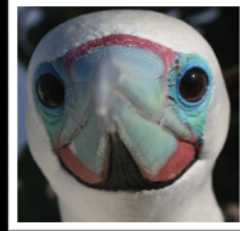
- Data Trawler – work in progress
- Web-based data entry forms
 - multiple users can enter and access data

Data Integration



- Work in Progress
 - Oracle DB will have some field overlap with Monk Seal Program (ie: geographic regions; samples; etc)
- OBIS-Seamap
 - Contributed published satellite telemetry data for loggerheads and olive ridleys

Needs



- Automated reports and queries
- Tracking of tags not just IDs
- Inclusion of other data sets (satellite telemetry data, photographs, etc.)
- Photo Library
- Training in Oracle
- Database support