

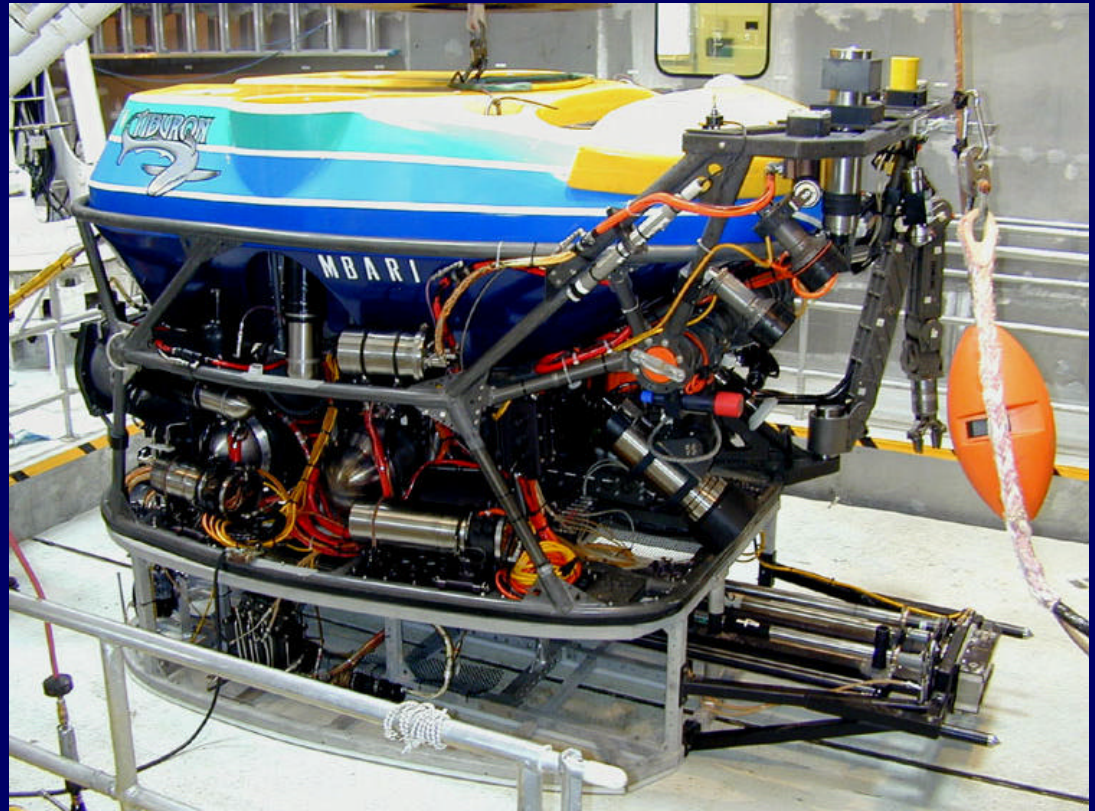
# MBARI DESSC Report

December 9, 2001

# Western Flyer / Tiburon System (4000m)

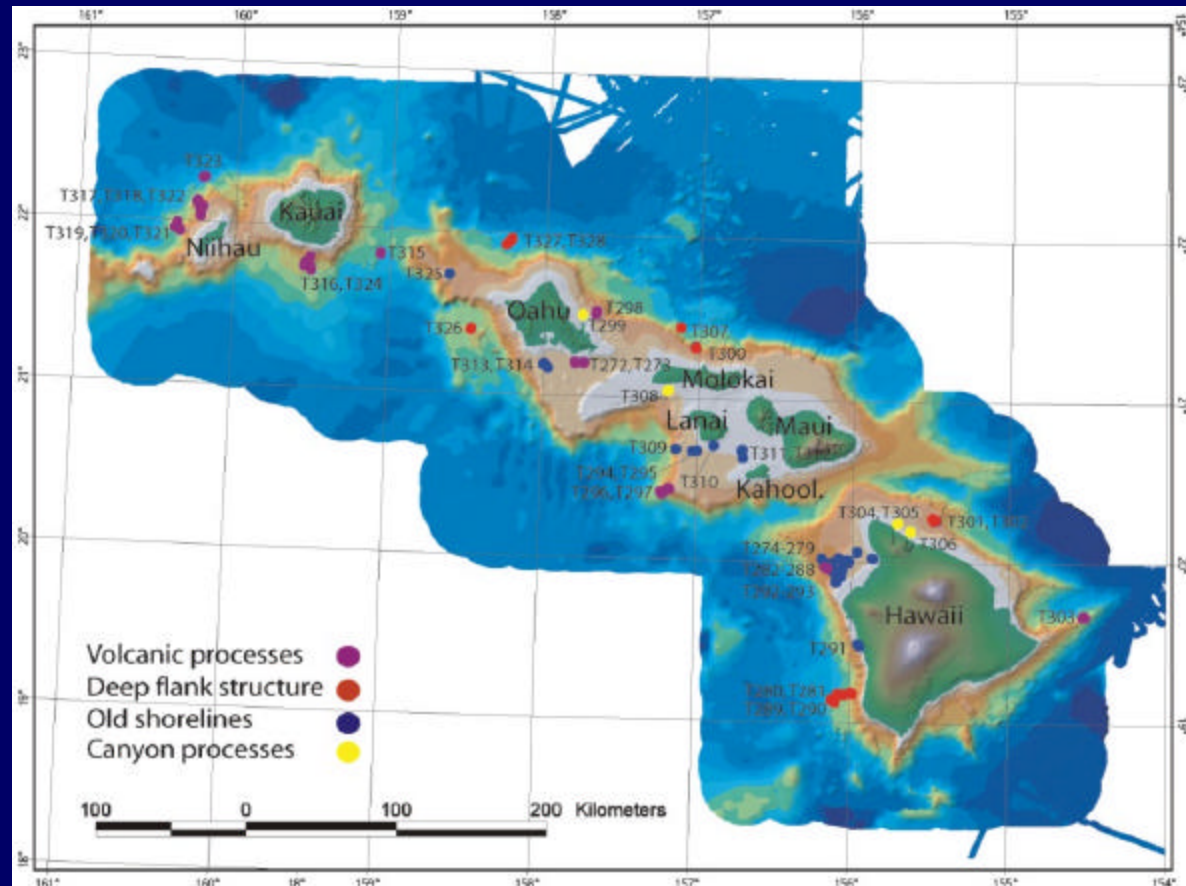
- Total dives to date 389 (2816 dive hours)
- In 2001 Tiburon had 169 sea days

- Major expedition to Hawaii
- 3 NURP funded days
- Lost 2 weather days and 1 ships mechanical day (gyro failure)
- 98% dive success



# 2001 Hawaii Expedition

- Midwater biology dives conducted during transit
- Over 1000 rock and sediment samples collected
- 44 dive days
- 66 total dives
- 454 total dive hours
- 10.33 dive hrs./day



# Western Flyer / Tiburon System

- In 2002 153 days scheduled
  - 11 NURP days
- One major 2002 expedition
  - Mendicino Escarpment and Gorda Ridge(Zierenberg-Clague-Stakes)
  - Endeavour/Nootka (Delaney)
- Early 2003 - Sea of Cortez

# Tiburon Sampling Update

- “Toolsled” system complement
  - Midwater
  - Benthic biology/geology
  - NMR probe and Laser Raman spectrometer
  - Core drilling sled (Holloway/Stakes drill adapted to Tiburon)
- Digital still camera installed
- Power boost to 20kW under development
- HDTV camera deferred for one year

# HDTV Camera on Ventana



# Pt. Lobos / Ventana System (1850m)

- Total dives to date 2114 (9359 dive hours)
- In 2001 Ventana had 179 sea days
  - 14 NURP funded days
  - Lost 3 weather days and 1 ROV mechanical day, 97% dive success
- In 2002 174 days scheduled
  - Monterey Bay and adjacent waters
  - 4 NURP days

# Zephyr

- AUV support vehicle for DORADO
- Buoy maintenance





