

Kate Thomas

Education	2001-present Moss Landing Marine Laboratory Masters of Science Vertebrate Ecology Thesis: Movements and dive behaviors of California sea lions (<i>Zalophus californianus</i>) post-rehabilitation for domoic acid toxicity. 1997-2000 California State University, Monterey Bay Seaside, CA Bachelor of Science Earth Systems Science and Policy Concentration: Marine Science Awarded Distinction and Honors in the Major 1989-1991 Lewis and Clark College Portland, OR Biology
Professional Experience	Stranding Network Coordinator 2002-2004 Moss Landing Marine Laboratory • Train and coordinating responses to stranded marine mammals • Perform necropsies and field sampling • Data management Graduate Volunteer Work 2001-current Moss Landing Marine Laboratory/Dolphin Quest • Whale tagging: Observations and identification of cetaceans, VHF tracking of blue/humpback whales • VHF tracking of harbor seals • Dolphin tagging/tracking Bermuda: Live catches of bottle-nosed dolphins, VHF tracking Research Associate 1998-current California State University, Monterey Bay Seafloor Mapping Lab • Manage GIS processing for multi-institutional Sea Grant project • Manage sidescan sonar and multibeam data processing for CDFG, NOAA, NSF, TNC funded projects • Teaching assistant for 3 years for ESSP 433 applied Marine Science Technology • Metadata management and data archiving: Organization, QA/QC, and statistical analysis • Hydrographic survey data acquisition and processing of multibeam and sidescan sonar data for marine habitat surveys in California, Washington, and Antarctica • Predator foraging behavioral observations and prey collection for NSF funded harmful algal bloom grant involving sea otters (S.E. Alaska 1998 and 1999) and shorebirds (Central California 1998 and 1999) • Quantitative analysis of benthic community video data for NSF funded ice scour research • Senior Thesis Research Project: effects of human activity on the foraging behavior of sanderlings

Research Assistant 1997-1998
California State University, Monterey Bay
Spatial Information Visualization and Analysis Center

- Participated in field collection for landscape ecology
- Collected and processed GPS data
- Produced GIS products

**Summary of
Qualifications**

Computer and Technical skills

Telemetry: Satellite telemetry, VHF tracking
Tracking: VHF tracking of Harbor seals, Humpback/Blue whales, and California sea

lions

GIS: ArcView, ArcView Spatial Analyst, ArcGIS, TNT Mips, Tracking Analyst
GPS: Trimble Navigation Certified, Pathfinder Office
Hydrographic: Caris Hips, Hypack, and Triton-Elics Isis
Software: StatView, SYSTAT, DeltaGraph.

Publications

Thomas, K., R. Kvitek, and C. Bretz. 2003. The effects of human activity on the foraging behavior of Sanderlings *Calidris alba*. Biological Conservation. 109:67-71

Reports

Kvitek, Rikk, P. Iampietro, and K. Thomas. 2000. Quantitative of sea otter benthic prey communities within the Olympic Coast National Marine Sanctuary: 1999 re-survey of 1995 and 1885 monitoring stations. Olympic Coast National Marine Sanctuary.

Presentations

Thomas, K. and J. Harvey. 2005. Movements, dive, behavior, and survivability of California sea lion (*Zalophus californianus*) post-rehabilitation for domoic acid toxicity. 3rd Annual HAB Symposium.

Thomas, K. and J. Harvey. 2005. Movements, dive, behavior, and survivability of California sea lion (*Zalophus californianus*) post-rehabilitation for domoic acid toxicity. National Stranding Conference.

Haulena, M., C Dold, L. Lowenstine, K. Thomas, J. Harvey, J. Barakos, J. Spangdenberg, N. Cashdollar, D. Greig, and F. Gulland. 2005. Long-term neurological effects of exposure to domoic acid in stranded California sea lions.

Thomas, Kate and Jim Harvey. 2004. Movements and dive behaviors of California sea lions (*Zalophus californianus*) post-rehabilitation for domoic acid toxicity. Stranding Conference

Kvitek, Rikk, C. Bretz, and K. Thomas. 2002. Mediation of foraging behavior and spatial distribution of the Alaskan sea otter by harmful algal blooms. Carnivore Conference

Bretz, Carrie, K. Thomas, R.G. Kvitek, and F. Barry. 2001. Influence of harmful algal blooms on the foraging behavior of shorebirds in central California. Sanctuary Currents 2000. Won best overall poster. Monterey Bay National Marine Sanctuary, Sanctuary Currents Conference.

Bretz, Carrie, K. Thomas, R.G. Kvitek, and F. Barry. 2000. Influence of harmful algal blooms on the foraging behavior of shorebirds in central California. U.S. Harmful Marine Algae Bloom Symposium Woods Hole Oceanographic Institute.

Kvitek, Rikk, P. Iampietro, K. Thomas. 2001. Quantitative of sea otter benthic prey communities within the Olympic Coast National Marine Sanctuary: 1999 re-survey of 1995 and 1885 monitoring stations. Puget Sound Research Conference.

Kvitek, Rikk, C. Bretz, and K. Thomas. 2000. Mediation of foraging behavior and spatial distribution of the Alaskan sea otter by harmful algal blooms. U.S. Harmful Marine Algae Bloom Symposium Woods Hole Oceanographic Institute.

Kvitek, R. G., C. Bretz, K. Thomas. 1999. Influence of harmful algal bloom toxins on the foraging behavior of sea otters and shorebirds. Western Society of Naturalist 80th Annual Meeting.

Manouki, Talitha J., K. Thomas, R. Kvitek, C. Bretz. 2001. *Emerita analoga* (Stimpson) as an indicator species for paralytic shellfish poisoning toxins along the California coast. Monterey Bay National Marine Sanctuary, Sanctuary Currents Conference.

Manouki, Talitha J., K. Thomas, R. Kvitek, C. Bretz. 2000. *Emerita analoga* (Stimpson) as an indicator species for paralytic shellfish poisoning toxins along the California coast. U.S. Harmful Marine Algae Bloom Symposium Woods Hole Oceanographic Institute.

Thomas, Kate. 2000. The effects of human activity on the foraging behavior of sanderlings (*Calidris alba*). Monterey Bay National Marine Sanctuary, Sanctuary Currents Conference.