

8 REFERENCES

CHAPTER 1 AND 2

U.S. Government Accountability Office, Military Training: Better Planning and Funding Priority Needed to Improve Conditions of Military Training Ranges (GAO 2005 at 15).

CHAPTER 3

3.1 GEOLOGY AND SOILS

Olmstead FH. 1958. Geologic Reconnaissance of San Clemente Island California. Geologic Survey Bulletin 1071-B. Prepared in cooperation with the U.S. Department of the Navy, United States Government Printing Office, Washington, D.C.

Soil Conservation Service. 1982. Soil survey of Channel Islands area, San Clemente Island part, interim report. U.S. Department of Agriculture SCS in cooperation with the Regents of the University of California and the Department of the Navy.

U.S. Department of the Navy. 2002. San Clemente Island integrated natural resources management plan: Final. San Diego, California. Prepared by Tierra Data Systems, Escondido, CA. May.

U.S. Department of the Navy. 2006. San Clemente Island watershed erosion and sediment yield assessment.

U.S. Department of the Navy. 2007. Projected increases in sheet and rill erosion due to military operations Proposed on San Clemente Island. March.

Yatsko A. 1989. Reassessing archaeological site density at San Clemente Island. In Proceedings of the Society for California Archaeology 2:187-204. San Diego, CA.

3.2 AIR QUALITY

Aircraft Environmental Support Office. 1998a. Aircraft Emission Estimates: AH-1W Landing and Takeoff Cycle and In-Frame, Maintenance Testing Using JP-5. DRAFT. AESO Memorandum Report No. 9824. October.

Aircraft Environmental Support Office. 1998b. Aircraft Emission Estimates: HH/UH-1N Landing and Takeoff Cycle and In-Frame, Maintenance Testing Using JP-5. DRAFT. AESO Memorandum Report No. 9904. November.

Aircraft Environmental Support Office. 1999a. Aircraft Emission Estimates: P-3 Landing and Takeoff Cycle and In-Frame, Maintenance Testing Using JP-5. DRAFT. AESO Memorandum Report No. 9911. January.

Aircraft Environmental Support Office. 1999b. Aircraft Emission Estimates: A-6 Landing and Takeoff Cycle and In-Frame, Maintenance Testing Using JP-5. DRAFT. AESO Memorandum Report No. 9917. January.

Aircraft Environmental Support Office. 1999c. Aircraft Emission Estimates: C-2 Landing and Takeoff Cycle and In-Frame, Maintenance Testing Using JP-5. DRAFT. AESO Memorandum Report No. 9919. February.

Aircraft Environmental Support Office. 1999d. Aircraft Emission Estimates: E-2 Landing and Takeoff Cycle and In-Frame, Maintenance Testing Using JP-5. DRAFT. AESO Memorandum Report No. 9920. February.

- Aircraft Environmental Support Office. 1999e. Aircraft Emission Estimates: C-9 and DC-9 Landing and Takeoff Cycle and In-Frame, Maintenance Testing Using JP-5. DRAFT. AESO Memorandum Report No. 9926. February.
- Aircraft Environmental Support Office. 1999f. Aircraft Emission Estimates: H-3 Landing and Takeoff Cycle and In-Frame, Maintenance Testing Using JP-5. DRAFT. AESO Memorandum Report No. 9927. February.
- Aircraft Environmental Support Office. 1999g. Aircraft Emission Estimates: H-60 Landing and Takeoff Cycle and In-Frame, Maintenance Testing Using JP-5. DRAFT. AESO Memorandum Report No. 9929. February.
- Aircraft Environmental Support Office. 1999h. Aircraft Emission Estimates: H-3 Mission Operations Using JP-5. DRAFT. AESO Memorandum Report No. 9934. March.
- Aircraft Environmental Support Office. 1999i. Aircraft Emission Estimates: C-2 Mission Operations Using JP-5. DRAFT. AESO Memorandum Report No. 9936. March.
- Aircraft Environmental Support Office. 1999j. Aircraft Emission Estimates: AV-8B Landing and Takeoff Cycle and Maintenance Testing Using JP-5. DRAFT. AESO Memorandum Report No. 9913. May.
- Aircraft Environmental Support Office. 1999k. Aircraft Emission Estimates: A-6 Mission Operations Using JP-5. DRAFT. AESO Memorandum Report No. 9941. May.
- Aircraft Environmental Support Office. 1999l. Aircraft Emission Estimates: C-9 and DC-9 Mission Operations Using JP-5. DRAFT. AESO Memorandum Report No. 9942. May.
- Aircraft Environmental Support Office. 1999m. Aircraft Emission Estimates: E-2 Mission Operations Using JP-5. DRAFT. AESO Memorandum Report No. 9943. May.
- Aircraft Environmental Support Office. 1999n. Aircraft Emission Estimates: F-14 Mission Operations Using JP-5. DRAFT. AESO Memorandum Report No. 9945. May.
- Aircraft Environmental Support Office. 1999o. Aircraft Emission Estimates: P-3 Mission Operations Using JP-5. DRAFT. AESO Memorandum Report No. 9948. May.
- Aircraft Environmental Support Office. 1999p. Aircraft Emission Estimates: H-60 Mission Operations Using JP-5. DRAFT. AESO Memorandum Report No. 9953. June.
- Aircraft Environmental Support Office. 1999q. Aircraft Emission Estimates: S-3 Mission Operations Using JP-5. DRAFT. AESO Memorandum Report No. 9954. June.
- Aircraft Environmental Support Office. 2000a. Aircraft Emission Estimates: F/A-18 Mission Operations Using JP-5. DRAFT. AESO Memorandum Report No. 9933A. March.
- Aircraft Environmental Support Office. 2000b. Aircraft Emission Estimates: F/A-18 Mission Operations Using JP-5. DRAFT. AESO Memorandum Report No. 9933A. March.
- Aircraft Environmental Support Office. 2000c. Aircraft Emission Estimates: F/A-18 Landing and Takeoff Cycle and In-Frame, Maintenance Testing Using JP-5. DRAFT. AESO Memorandum Report No. 9815, Revision C. February.
- Aircraft Environmental Support Office. 2000d. Aircraft Emission Estimates: H-53 Landing and Takeoff Cycle and In-Frame, Maintenance Testing Using JP-5. DRAFT. AESO Memorandum Report No. 9822, Revision C. February.
- Aircraft Environmental Support Office. 2000e. Aircraft Emission Estimates: S-3 Landing and Takeoff Cycle and In-Frame, Maintenance Testing Using JP-5. DRAFT. AESO Memorandum Report No. 9915, Revision A. March.

- California Air Resources Board [CARB]. 1997. Southern California Ozone Study.
- California Air Resources Board. 2004. Ozone Transport Mitigation in California. April 8.
- California Air Resources Board. 2006. California Almanac of Emissions and Air Quality – 2006 Edition.
- California Air Resources Board. 2007a. Current Air Quality Standards. www.arb.ca.gov/research/aaqs/aaqs2.pdf.
- California Air Resources Board. 2007b. EMFAC 2007 Model.
- California Air Resources Board. 2007c. Speciation Profiles, <http://www.arb.ca.gov/ei/speciate/speciate.htm>.
- Federal Aviation Administration. 2005. EDMS, Version 4.3. July 18.
- JJMA. 2001. Emission Factors for Navy Ships. Personal Communication. May.
- South Coast Air Quality Management District. 1995. Final Supplemental Environmental Assessment for Proposes Amended Regulation XX–Regional Clean Air Incentives Market (RECLAIM) Program for Oxides of Nitrogen (NO_x) and Oxides of Sulfur (SO_x). August.
- South Coast Air Quality Management District. 1997. Final Subsequent Environmental Assessment for Rule 1110.2–Emissions from Gaseous and Liquid-Fueled Engines. SCAQMD No. 970909DWS. October 30.
- South Coast Air Quality Management District. 2002. Letter to Martha Gandy from Elaine Chang, Deputy Executive Officer, Planning, Rule Development, and Area Sources. March 13.
- South Coast Air Quality Management District. 2005. AQMD 2004-2005 Annual Emissions Report, NALF San Clemente Island. September 22.
- U.S. Department of the Navy [DoN]. 1996. Ordnance Data for Toxic Hazards Associated with Pyrotechnic Items, NAVSEA SW050-AC-ORD-010, NAVAIR 11-15-8.
- U.S. Environmental Protection Agency. 2006. Compilation of Air Pollutant Emission Factors, Fifth Edition, Chapter 15, Ordnance Detonation.

3.3 HAZARDOUS MATERIALS AND WASTES

- Brinkley SR, Wilson EB. 1943. Calculation of detonation pressures for several explosives. OSRD 1231.
- Cook DS, Spillman E. 2000. Military training ranges as a source of environmental contamination. Federal Facilities Environmental Journal. Summer 27-37, 2000.
- Ek H, Dave G, Nilsson E, Sturve J, Birgersson G. 2006. Fate and effects of 2,4,6-trinitrotoluene (TNT) from dumped ammunition in a field study with fish and invertebrates. Archives of Environmental Contamination and Chemistry 51:244-252.
- Janes. 2005. Jane's ammunition handbook: 5-inch 54-calibre naval gun ammunition.
- Janes. 2006. Jane's air-launched weapons: Mk 80 series general purpose bombs (Mk 81, 82, 83, 84 and BLU-110/111/117).
- John H. 1941. British report RC-166 and British report RC-212.
- John H. 1943. British report RC-383.

- Lotufo GR, Ludy MJ. 2005. Comparative toxicokinetics of explosive compounds in sheepshead minnows. *Archives of Environmental Contamination and Toxicology* 49:206-214.
- Rand Corporation. 2005. Unexploded ordnance cleanup costs: Implications of alternative protocols.
- Renner RH, Short JM. 1980. Chemical products of underwater explosions. Naval Surface Weapons Center, Dahlgren, VA. NSWC/WOL. TR 78-87, February.
- Rosen G, Lotufo GR. 2005. Toxicity and fate of two munitions constituents in spiked sediment exposures with the marine amphipod *Eohaustorius estuarius*. *Environmental Toxicology and Chemistry* 24(11): 2887-2897.
- Rosen G, Lotufo GR. 2007a. Toxicity of explosive compounds to the marine mussel *Mytilus galloprovincialis*, in aqueous exposures. *Ecotoxicology and Environmental Safety*, "Highlighted Article."
- Rosen G, Lotufo GR. 2007b. Bioaccumulation of explosive compounds in the marine mussel *Mytilus galloprovincialis*. *Ecotoxicology and Environmental Safety*, "Highlighted Article."
- U.S. Army Corps of Engineers [USACE]. 2001a. Sampling for Explosives Residues at Fort Greely, Alaska. November.
- U.S. Army Corps of Engineers. 2001b. Characterization of Explosives Contamination at Military Firing Ranges.
- U.S. Army Corps of Engineers. 2003. Estimates for explosives residue from the detonation of Army munitions. September.
- U.S. Army Corps of Engineers. 2004. Field-portable x-ray fluorescence (FP-XRF) determinations of metals in post-blast ordnance residues. March.
- U.S. Army Corps of Engineers. 2007. Explosives residues resulting from the detonation of common military munitions, 2002-2006. February.
- U.S. Department of the Navy [DoN]. 1996. Joint standoff weapon (JSOW) baseline, BLU-108, and unitary test and evaluation program at San Clemente Island environmental assessment. U.S. Navy Natural Resources Office North Island Naval Air Station, San Diego and JSOW Project Office China Lake, California. KEA Environmental, Inc., San Diego for Southwest Division Naval Facilities Engineering Command (SWDIV). On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, California.
- U.S. Department of the Navy. 1998. Tomahawk flight test operations on the west coast of the United States final environmental impact assessment for Naval Air Warfare Center Weapons Division. Naval Facilities Engineering Command, Southwest Division, San Diego. Tetra Tech, San Francisco and KEA Environmental, Inc., San Diego for Southwest Division Naval Facilities Engineering Command (SWDIV). On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, California.
- U.S. Department of the Navy, Naval Facilities Engineering Command Southwest, (2002), Environmental Assessment on Norwegian Anti-ship Missile Flight Test.
- U.S. Department of the Navy. 2007. Southern California (SOCAL) Operating Areas Operations Data Book. December
- U.S. Environmental Protection Agency [USEPA]. 2004. Preliminary remediation goals. October.

U.S. Environmental Protection Agency. 2006. Method 8330, Appendix A: Collecting and processing of representative samples for energetic residues in solid matrices from military training ranges.

3.4 WATER RESOURCES

Allen LG, Bouvier LS, Jensen RE. 1992. Abundance, diversity, and seasonality of cryptic fishes and their contribution to a temperate reef fish assemblage off Santa Catalina Island, California. *Bulletin of the Southern California Academy of Sciences* 91:55-69.

Bureau of Land Management [BLM]. 1978. Intertidal study of the Southern California Bight—Volume 3. Department of the Interior Contract AA550-CT6-40.

California Cooperative Oceanic Fisheries Investigations [CALCOFI]. 1982. Atlas No. 30. Cooperative Agencies: California Department of Fish and Game; National Oceanic and Atmospheric Administration, National Marine Fisheries Service; University of California Scripps Institute of Oceanography.

California Department of Health Services. 2005. Perchlorate in drinking water: California MCL status. http://www.dhs.ca.gov/ps/ddwem/chemicals/perchl/perchlorate_MCL.htm. Updated 17 Oct 2005.

California Division of Mines and Geology. 1986. Geologic map of the mid-southern California continental margin-map 2A (Geology). California Department of Conservation, Division of Mines and Geology.

Coastal Resources Management [CRM]. 1998. San Clemente Island marine resources inventory report—Wilson Cove outfall study, June and August 1997 Surveys. Report by Coastal Resources Management, Corona del Mar, CA for Southwestnavfacengcom, South Bay Area Focus Team, Contract N68711-97-M-8426, San Diego, CA.

Cross JN, Allen LG. 1993. Fishes. In M. D. Dailey, D. J. Reish, and J. W. Anderson, eds. *Ecology of the Southern California Bight, a Synthesis and Interpretation*. University of California Press, Berkeley, CA. pp 459-540.

Curl HC, O'Donnell K. 1977. Chemical and physical properties of refined petroleum products. NOAA Technical Memorandum ERL MESA-17.

Dailey MD, Reish DJ, Anderson JW. 1993. *Ecology of the Southern California Bight, a synthesis and interpretation*. University of California Press, Berkeley and Los Angeles, CA.

Engle JM. 1994. Perspectives on the structure and dynamics of nearshore marine assemblages of the California Channel Islands. In *The Fourth California Islands Symposium: Update on the Status of Resources*. W. L. Halvorson and G. J. Maender, eds. Santa Barbara Museum of Natural History, Santa Barbara, CA. pp 13-26.

Grovhoug JG. 1992. Evaluation of sediment contamination in Pearl Harbor. Naval Command, Control and Ocean Surveillance Center Technical Report TR-1502. San Diego, CA. 70 pp.

Hoffman DJ, Rattner BA, Burton Jr GA, Cairns Jr J. 1995. *Handbook of ecotoxicology*. CRC Press, Inc. Boca Raton, Florida. 755 pp.

Johnston RK, Wild WJ, Richter KE, Lapota D, Stang PM, Flor TH. 1989. Navy aquatic hazardous waste sites: The Problem and Possible Solutions. Naval Ocean Systems Center Technical Report TR-1308. San Diego, CA. 50 pp.

Leatherwood S, Stewart BS, Folkens PA. 1987. *Cetaceans of the Channel Islands National Marine Sanctuary*. U.S. National Oceanic and Atmospheric Administration, Channel

- Islands National Marine Sanctuary and U.S. National Marine Fisheries Service, Santa Barbara and La Jolla, CA. 69 pp.
- Lund SP, Gorsline DS, Henyey TL. 1992. Rock magnetic characteristics of surficial marine sediments from the California continental borderland. *Earth and Planetary Science Letters* 108:93-107.
- Meighan CW. 2000. Overview of the archaeology of SCI, California. *Pacific Coast Archaeological Society Quarterly* 36(1):1-17.
- Monterey Bay Area Research Institute. 2002. www.mbari.org/chemsensor/pteo.htm.
- National Centers for Coastal Ocean Science (NCCOS). 2005. A biogeographic assessment of the Channel Islands National Marine Sanctuary: A review of boundary expansion concepts for NOAA's National Marine Sanctuary program. Prepared by NOAA National Centers for Coastal Ocean Science Biogeography Team in cooperation with the National Marine Sanctuary Program. Silver Springs, MD. NOAA Technical Memorandum NOS NCCOS 21. 215 pp.
- National Oceanographic and Atmospheric Administration. 1999. Sediment Quality Guidelines Developed for the National Status and Trends Program.
- National Park Service [NPS]. 1985. Channel Islands National Park general management plan. Prepared and published for Channel Islands National Park, Lakewood, CA. Jan.
- National Research Council. 1985. Oil in the sea: Inputs, fates, and effects. National Academy Press.
- Regional Water Quality Review Board. 1994. Basin plan for the coastal watersheds of Los Angeles and Ventura Counties. California Regional Water Quality Control Board. Los Angeles, CA.
- Science Applications International Corporation [SAIC] and MEC. 1995. Monitoring assessment of long-term changes in biological communities in the Santa Maria Basins: Phase III, final report.
- Shineldecker CL. 1992. Handbook of environmental contaminants: A guide for site assessment. Lewis Publishers, Inc. Chelsea, Michigan. 367 pp.
- Southern California Coastal Water Research Project. 2003. Southern California Bight 1998, regional monitoring program, executive summary.
- State Water Resources Control Board [SWRCB]. 2001. Ocean waters of California water quality control plan.
- State Water Resources Control Board. 2005. Ocean plan; water quality control plan, ocean waters of California.
- State Water Resources Control Board and Cal-EPA. 1997. Functional equivalent document, amendment of the water quality control plan for ocean waters of California: California ocean plan.
- Tait RV. 1980. Elements of marine ecology. Third Edition. University Press, Cambridge.
- U.S. Air Force. 1997. Environmental effects of self-protection chaff and flares. U.S. Air Force, Headquarters Air Combat Command, Langley Air Force Base, VA. var. p. NTIS PB98-110620.
- U.S. Department of the Navy [DoN]. 1954. Feasibility study at San Clemente Island. Prepared by Porter, Urquhart and Beavin-Consulting Engineers.

- U.S. Department of the Navy. 1993a. Naval Auxiliary Landing Field San Clemente Island compatibility study: Land use, operations and natural resource compatibility report. KTU&A, Contract Number N68711-91-C-0035 for Southwest Division Naval Facilities Engineering Command (SWDIV). On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, California.
- U.S. Department of the Navy. 1993b. Report on continuing action: standard range sonobuoy quality assurance program, San Clemente Island, California. Program Executive Office, Antisubmarine Warfare.
- U.S. Department of the Navy. 1996a. EA for Joint standoff weapon (JSOW) baseline, BLU-108, and unitary test and evaluation program at San Clemente Island environmental assessment. U.S. Navy Natural Resources Office North Island Naval Air Station, San Diego and JSOW Project Office China Lake, California. KEA Environmental, Inc., San Diego for Southwest Division Naval Facilities Engineering Command (SWDIV). On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, California.
- U.S. Department of the Navy. 1996b. Draft Environmental Assessment of the Use of Selected Navy Test Sites for Development Tests and Fleet Training Exercises of the MK-46 and MK-50 Torpedoes. (U) (CONFIDENTIAL). Program Executive Office Undersea Warfare, Program Manager for Undersea Weapons.
- U.S. Department of the Navy. 1996c. Environmental Assessment of the Use of Selected Navy Test Sites for Development Tests and Fleet Training Exercises of the MK-48 Torpedoes. (U) (CONFIDENTIAL). Program Executive Office Undersea Warfare, Program Manager for Undersea Weapons.
- U.S. Department of the Navy. 1997. Biological assessment: Establishment of an island night lizard management area on San Clemente Island. Prepared by R. Church, J. Larson, L. Murphy, and A. Yatsko, Natural Resources Office, Staff Civil Engineer, Naval Air Station, North Island, San Diego, CA.
- U.S. Department of the Navy. 1998. Tomahawk flight test operations on the west coast of the United States final environmental impact assessment for Naval Air Warfare Center Weapons Division. Naval Facilities Engineering Command, Southwest Division, San Diego. Tetra Tech, San Francisco and KEA Environmental, Inc., San Diego for Southwest Division Naval Facilities Engineering Command (SWDIV). On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, California.
- U.S. Department of the Navy. 1999. Southern California offshore range users manual. FACSACDINST 3550.1. Naval Air Station North Island, San Diego, CA.
- U.S. Department of the Navy. 2000. San Diego Bay integrated natural resources management plan. U.S. Department of the Navy, Southwest Division, San Diego.
- U.S. Department of the Navy, Naval Facilities Engineering Command Southwest, (2002), Environmental Assessment on Norwegian Anti-ship Missile Flight Test.
- U.S. Department of the Navy. 2005. Final environmental assessment, San Clemente Island wastewater treatment plant outfall project.
- U.S. Department of the Navy. 2006. Final environmental assessment, San Clemente Island wastewater treatment plant increase in maximum allowable discharge volume.
- U.S. Department of the Navy. 2007. OPNAVINST 5090.1C. October

U.S. Environmental Protection Agency [USEPA]. 1986. National ambient water quality criteria.

3.5 ACOUSTIC ENVIRONMENT

Burgess and Greene 1998

ISE, 1999. Larson Davis Model 700 ANSI Type 2 Integrating Sound Level Meters measurements taken on 13 and 14 January 1999.

U.S. Department of the Navy [DoN]. 2002. Final EIS/OEIS, Point Mugu Sea Range. March.

U.S. Department of the Navy. 2005. Final environmental assessment for replacement of EA-6B aircraft with EA-18G aircraft at Naval Air Station Whidbey Island, Washington. January.

Wyle. 2008. Aircraft Noise Study for the Introduction of the P-8A Multi-Mission Maritime Aircraft into the Fleet.

3.6 MARINE PLANTS AND INVERTEBRATES

Abbott IA, Hollenberg GJ. 1976. Marine algae of California. Stanford, California: Stanford University Press.

Adams AJ, Locascio JV, Robbins BD. 2004. Microhabitat use by a post-settlement stage estuarine fish: Evidence from relative abundance and predation among habitats. *Journal of Experimental Marine Biology and Ecology* 299:17-33.

Au WWL, Banks K. 1998. "The acoustics of the snapping shrimp *Synalpheus parneomeris* in Kaneohe Bay." *Journal of the Acoustical Society of America* 103:41-47.

Bernal PA, McGowan JA. 1981. Advection and upwelling in the California current. In *Coastal Upwelling*. F.A. Richards, ed. Amer. Geophys. Union. Washington, D.C. pp. 381-399.

Blecha JB, Steinbeck JR, Sommerville DC. 1992. Aspects of the biology of the black abalone (*Haliotis cracherodii*) near Diablo Canyon, central California. In: *Abalone of the World: Biology, Fisheries and Culture*. Proceedings of the First International Symposium on Abalone (Ed. By S.A. Sheperd, M.J. Tegner and S.A. Guzman del Proo). Blackwell Scientific Publications, Inc. Cambridge. pp 225-237.

Brinton E. 1981. Euphausid distributions in the California Current during the warm winter-spring of 1977-78, in the context of a 1949-1966 time series. *California Cooperative Oceanic Fisheries Investigations Reports* 22: 135-154.

Brinton E. 1976. Population biology of *Euphausia pacifica* off southern California. *Fishery Bulletin, U.S.* 74: 733-762.

Budelmann BU. 1992a. "Hearing by Crustacea." In *Evolutionary Biology of Hearing*, eds. D.B. Webster, R.R. Fay, and A.N. Popper, 131-139. New York: Springer Verlag.

Budelmann BU. 1992b. "Hearing in nonarthropod invertebrates." In *Evolutionary Biology of Hearing*, eds. D.B. Webster, R.R. Fay, and A.N. Popper, 141-155. New York: Springer Verlag.

Bureau of Land Management [BLM]. 1977. Southern California baseline study, intertidal, year two final report volume III, report 1.4: Kelp survey of the Southern California Bight.

Bureau of Land Management. 1978. Intertidal study of the Southern California Bight volume 3. Department of the Interior Contract AA550-CT6-40.

Bushing W. 1995. Identifying regions of giant kelp (*Macrocystis pyrifera*) around Santa Catalina Island for designation as marine reserves. In *Proc. 15th ESRI User Conference*.

- May 21-26, 1995, Palm Spring, CA. <http://www.catalinas.net/seer/research/respaper.htm>.
21 Dec 1998.
- Bythell JC. 1986. A guide to the identification of the living corals (Scleractinia) of southern California. Occasional Papers of the San Diego Society of Natural History. 16:1-40.
- Cairns SD. 1994. Scleractinia of the temperate North Pacific. Washington, D.C.: Smithsonian Institution Press.
- Cairns, S.D. 1999. Species richness of recent Scleractinia. Atoll Research Bulletin. 459:1-46.
- California Department of Fish and Game [CDFG]. 2002. Descriptions and evaluations of existing California marine protected areas June 1, 2002 (updated June 2003). Sacramento: California Department of Fish and Game.
- California Department of Fish and Game. 2003. California marine protected areas database. Accessed 22 Jun 2004. <http://www.geog.ucsb.edu/~jeff/projects/mpa/>.
- California Department of Fish and Game. 2005. Abalone recovery and management plan. www.dfg.ca.gov/mrd/armp/index.html.
- California Exotic Pest Plant Council [CalEPPC]. 1999. Exotic pest plants of greatest ecological concern in California. Accessed 31 Aug 2005. [_http://ucce.ucdavis.edu/files/filelibrary/5319/4898.pdf](http://ucce.ucdavis.edu/files/filelibrary/5319/4898.pdf).
- Channel Islands National Park [CINP]. 2005. 2004 Annual report and final report: Naval Auxiliary Landing Field San Clemente Island, kelp forest monitoring. Prepared for SWDIV NAVFACENGCOM, Contract #N68711-01-LT-01038.
- Chess JR, Hobson ES. 1997. Benthic invertebrates of four southern California marine habitats prior to onset of ocean warming in 1976, with lists of fish predators. NOAA Technical Memorandum NMFS-SWFSC-243. La Jolla, California: Southwest Fisheries Science Center.
- Coastal Resources Management [CRM]. 1998. San Clemente Island marine resources inventory report–Wilson Cove outfall study, June and August 1997 surveys. Report by Coastal Resources Management, Corona del Mar, CA for Southwestnavfacengcom, South Bay Area Focus Team, Contract N68711-97-M-8426, San Diego, CA.
- Dailey MD, Anderson JW, Reish DJ, Gorsline DS. 1993. The Southern California Bight: background and setting. In M.D. Dailey, D.J. Reish, and J.W. Anderson, eds. Ecology of the Southern California Bight. Berkeley: University of California Press. pp 1-18.
- Davis GE, Haaker PL, Richards DV. 1996. Status and trends of white abalone at the California Channel Islands. Transactions of the American Fisheries Society 125:42-48.
- Davis GE, Haaker PL, Richards DV. 1998. The perilous condition of white abalone, *Haliotis sorenseni*, Bartsch, 1940. Journal of Shellfish Research 17(3):871-875.
- Dayton PK. 1985. Ecology of kelp communities. Annual Review of Ecology and Systematics 16:215-245.
- Dayton PK, Tegner MJ, Parnell PE, Edwards PB. 1992. Temporal and spatial patterns of disturbance and recovery in a kelp forest community. Ecological Monographs 62(3):421-445.
- Den Hartog C. 1970. The Seagrasses of the World. Amsterdam, North-Holland Publishers.
- Department of Fisheries and Oceans (DFO). 2004. "Potential impacts of seismic energy on snow crabs." Habitat Status Report 2004/003. Fisheries and Oceans Canada, Gulf Region.

- Deysher LE, Dean TA, Grove RS, Jahn A. 2002. Design considerations for an artificial reef to grow giant kelp (*Macrocystis pyrifera*) in Southern California. *ICES Journal of Marine Science* 59:S201-S207.
- Douros WJ. 1985. Density, growth, reproduction and recruitment in an intertidal abalone: effects of intraspecific competition and prehistoric predation. Msc thesis, University of California, Santa Barbara.
- Dugan JE, Hubbard DM, Engle JM, Martin DL, Richards DM, Davis GE, Lafferty KD, Ambrose RF. 2000. Macrofauna communities of exposed sandy beaches on the southern California mainland and Channel Islands. Fifth California Islands Symposium, OCS Study, MMS 99-0038. pp 339-346.
- Edwards M, Foster M. 1996. Monterey Bay National Marine Sanctuary site characterization. Kelp Forest & Rocky Subtidal Habitats. Accessed 20 Jun 2005. <http://bonita.mbnms.nos.noaa.gov/sitechar/main.html>.
- Edwards MS, Hernández-Carmona G. 2005. Delayed recovery of giant kelp near its southern range limit in the North Pacific following El Niño. *Marine Biology* 147:273-279.
- Engle, J. M., 1994. Perspectives on the structure and dynamics of nearshore marine assemblages of the California Channel Islands. In W. L. Halvorson and G. J. Maender (eds.), *The Fourth California Islands Symposium: Update on the Status of Resources*. Santa Barbara Museum of Natural History (Santa Barbara, CA). pp. 13-26.
- Engle JM, Adams SL. 2003. Rocky intertidal resource dynamics in San Diego County: Cardiff, La Jolla, and Point Loma, sixth year report (2002/2003). Prepared by Marine Science Institute, University of California, Santa Barbara for AMEC Earth and Environmental, Inc. and U.S. Navy.
- Engle JM, Miller KA. 2005. Distribution and Morphology of Eelgrass (*Zostera marina*) at the California Channel Islands. Proceeding of the Sixth California Islands Symposium. D.K. Garcelon and C.A. Schwemmm (eds.). National Park Service Technical Publication CHIS-05-01, Institute for Wildlife Studies, Arcata, California.
- Estrada M, Blasco D. 1979. Two phases of the phytoplankton community in the Baja California upwelling. *Limnology and Oceanography* 24:1065-1080.
- Etnoyer P, Morgan L. 2003. Occurrences of habitat-forming deep sea corals in the northeast Pacific Ocean: A report to NOAA's office of habitat conservation. Redmond, Washington: Marine Conservation Biology Institute.
- Etnoyer P, Morgan LE. 2005. Habitat-forming deep-sea corals in the Northeast Pacific Ocean. In A. Freiwald, and J.M. Roberts, eds. *Cold-water corals and ecosystems*. Berlin Heidelberg: Springer-Verlag. pp 331-343.
- Fiedler PC, Reilly SB, Hewitt RP, Demer D, Philbrick VA, Smith S, Armstrong W, Croll DA, Tershy BR, Mate BR. 1998. Blue whale habitat and prey in the California Channel Islands. *Deep-Sea Research II* 45:1781-1801.
- Foster MS, Schiel DR. 1985. The ecology of giant kelp forests in California: A community profile. U.S. Fish and Wildlife Service Biological Report 85(7.2). Slidell, Louisiana: U.S. Fish and Wildlife Service.
- Friedman CS, Andree KB, Beauchamp KA, Moore JD, Robbins TT, Shields JD, Hedrick RP. 2000. *Candidatus Xenohaliotis californiensis*, a newly described pathogen of abalone, *Haliotis* spp., along the west coast of North America. *International Journal of Systematic Evolution and Microbiology* 50: 487-855.

- Graham MH. 1997. Factors determining the upper limit of giant kelp, *Macrocystis pyrifera* Agardh, along the Monterey Peninsula, central California, USA. *Journal of Experimental Marine Biology and Ecology* 218:127-149.
- Green EP, Short FT. 2003. World atlas of seagrasses. Prepared by the UNEP World Conservation Monitoring Centre. University of California Press, Berkeley, USA.
- Grossman C, Great Escape Charters [GEC]. 1998. Deep offshore reefs Southern California deep reef and wreck diving on the Great Escape live aboard dive boat. Accessed 21 March 2005. http://www.diveboat.com/deep_reef_and_wreck_diving.shtml.
- Guerra A, Gonzalez AF, Rocha F, Gracia Ecobiomar J. 2004. "Calamares gigantes varados. Víctimas de exploraciones acústicas." *Investigación y Ciencia* July:35-37.
- Haaker PL, Henderson KC, Parker DO. 1986. California abalone. Marine Resources Leaflet No. 11. State of California Department of Fish and Game, Marine Resources Division, Long Beach, CA.
- Haaker PL, Richards DV, Friedman CS, Davis GE, Parker DO, Togstad HA. 1992. Mass mortality and withering syndrome in black abalone, *Haliotis cracherodii* in California. In *Abalone of the World: Biology, Fisheries, and Culture. Proceedings in the First International Symposium on Abalone* (ED. By S.A. Sheperd, M.J. Tegner and S.A. Guzman del Proo). Blackwell Scientific Publications, Inc. Cambridge. Pp 214-224.
- Haaker PL, Karpov K, Rogers-Bennett L, Taniguchi I, Friedman CS, Tegner MJ. Abalone. 2001. In W.S. Leet, C.M. Dewees, R. Klingbeil, and E.J. Larson, eds. *California's living marine resources: A status report*. California Department of Fish and Game SG01-11. pp 89-97.
- Hardy JT. 1993. Phytoplankton. In M.D. Dailey, D.J. Reish, and J.W. Anderson, eds. *Ecology of the Southern California Bight*. Berkeley: University of California Press. pp 233-265.
- Heberholz J, Schmitz BA. 2001. "Signaling via water currents in behavioral interactions of snapping shrimp (*Alpheus heterochaelis*)." *Biological Bulletin* 201:6-16.
- Hellberg ME, Taylor MS. 2002. Genetic analysis of sexual reproduction in the dendrophylliid coral *Balanophyllia elegans*. *Marine Biology* 141:629-637.
- Hernández-Carmona G, Robledo D, Serviere-Zaragoza E. 2001. Effect of nutrient availability on *Macrocystis pyrifera* recruitment and survival near its southern limit off Baja California. *Botanica Marina*. 44:221-229.
- Hobday AJ, Tegner MJ. 2000. Status review of white abalone (*Haliotis sorenseni*) throughout its range in California and Mexico. NOAA Technical Memorandum NOAA-TM-NMFS-SWR-035. U.S. Department of Commerce, National Oceanic and Atmospheric Administration. National Marine Fisheries Service—Southwest Region Office.
- Hobday AJ, Tegner MJ, Haaker PL. 2001. Over-exploitation of a broadcast spawning marine invertebrate: Decline of the white abalone. *Reviews in Fish Biology and Fisheries* 10:493-514.
- Howorth PC. 1978. *The abalone book*. Naturegraph Publishers. Happycamp, California.
- Kantrud HA. 1991. Wigiongrass (*Ruppia maritima* L.): A literature review. U.S. Fish and Wildlife Service, Fish and Wildlife Research 10. Jamestown, ND, Northern Prairie Wildlife Research Center Home Page. <http://www.npwrc.usgs.gov/resource/literatr/ruippia/ruippia.htm> (Version 16JUL97).
- Karpov KA, Haaker PL, Taniguchi IK, Rogers-Bennett L. 2000. Serial depletion and the collapse of the California abalone fishery. In: A. Campbell, editor. *Workshop on rebuilding*

- abalone stocks in British Columbia. Canadian Spec. Publ., Fish. and Aquat. Sci. pp. 11–24.
- Kushner DJ, Lerma D, Shaffer J, Hajduczek B. 1999. Kelp forest monitoring annual report 1999. National Park Service Channel Islands National Park Technical Report CHIS-01-05. Ventura, California: Channel Islands National Park.
- Lafferty KD, Behrens MD, Davis GE, Haaker PL, Kusher DJ, Richards DV, Taniguchi IK, Tegner MJ. 2004. Habitat of endangered white abalone, *Haliotis sorenseni*. Biol. Cons. 116:191-19
- Lafferty KD, Kuris AM. 1993. Mass mortality of abalone *Haliotis cracherodii* on the California Channel Islands: tests of epidemiological hypotheses. Mar. Ecol. Prog. Ser. 96: 239-248.
- Lagardère J-P. 1982. "Effects of noise on growth and reproduction of *Crangon crangon* in rearing tanks." Marine Biology 71:177-185.
- Lagardère J-P, Régnault MR. 1980. "Influence du niveau sonore de bruit ambiant sur la métabolisme de *Crangon crangon* (Decapoda: Natantia) en élevage." Marine Biology 57:157-164.
- Latha G, Senthilvadivu S, Venkatesan R, Rajendran R. 2005. "Sound of shallow and deep water lobsters: Measurements, analysis, and characterization (L)." Journal of the Acoustical Society of America 117:2720-2723.
- Leet WS, Dewees CM, Klingbeil R, Larson EJ. 2001. California's living marine resources: status report. California Department of Fish and Game.
- Lissner A. 1988. Biological reconnaissance of selected benthic habitats within three California OCS planning areas: Final report on review of recovery and recolonization of hard substrate communities of the outer continental shelf. OCS Study MMS 88-0034. San Diego, California: Minerals Management Service, Pacific OCS Region.
- Littler MM. 1980. Overview of the rocky intertidal systems of Southern California. In D.M. Power, ed. The California islands: Proceedings of a multidisciplinary symposium. Santa Barbara, California: Santa Barbara Museum of Natural History. pp 265-306.
- Long ER, Morgan LG. 1991. The potential for biological effects of sediment-sorbed contaminants tested in the National Status and Trends Program. NOAA Technical Memorandum NOS OMA 52, National Oceanic and Atmospheric Administration, Seattle, WA, 175 pp.
- Long ER, MacDonald DD, Smith SL, Calder FD. 1995. Incidence of adverse biological effects within ranges of chemical concentrations in marine and estuarine sediments. Environ Manage 19: 81-97.
- Lovell, J. M., M.M. Findlay, R.M. Moate, and H.Y. Yan. (2005). The hearing abilities of the prawn *Palaemon serratus*. Comparative Biochemistry and Physiology, Part A. 140: 89-100.
- McArdle DA. 1997. California marine protected areas. La Jolla, California, California Sea Grant College System, University of California.
- McCauley RD, Fewtrell J, Duncan AJ, Jenner C, Jenner M-N, Penrose JD, Prince RIT, Adhitya A, Murdoch J, McCabe C. 2000. "Marine Seismic Surveys: Analysis and Propagation of Air Gun Signals; and Effects of Air-Gun Exposure on Humpback Whales, Sea Turtles, Fishes and Squid." Report R99-15 prepared by Centre for Marine Science and

- Technology, Curtin University of Technology, Western Australia for Australian Petroleum Production and Exploration Association.
- McConnaughey BH, McConnaughey E. 1985. Pacific coast. New York, New York: Alfred A. Knopf.
- Miner CM, Altstatt JM, Raimondi PT, Minchinton TE. 2006. Recruitment failure and shifts in community structure following mass mortality limit recovery prospects of black abalone. *Marine Ecology Progress Series* 327:107–117.
- Minerals Management Service [MMS]. 2001. Delineation drilling activities in federal waters offshore Santa Barbara, California. Draft Environmental Impact Statement. OCS Study MMS-2001-046. Camarillo, California: Minerals Management Service.
- Morris RH, Abbott DP, Haderlie EC. 1980. Intertidal invertebrates of California. Stanford University Press, Stanford.
- Murray SN, Bray RN. 1993. Benthic macrophytes. Ecology of the Southern California Bight. M. D. Dailey, D. J. Reish and J. W. Anderson. Berkeley, University of California Press: 304-368.
- Murray SN, Littler MM. 1981. Biogeographical analysis of intertidal macrophyte floras of southern California. *Journal of Biogeography* 8:339-351.
- Murray SN, Littler MM, Abbott IA. 1980. Biogeography of California marine algae with emphasis on the southern California islands. In D. M. Power, ed. *The California Islands: Proceedings of a Multi-disciplinary Symposium*. Santa Barbara Museum of Natural History, Santa Barbara, California. Pp 325-339.
- National Research Council. 1985. Oil in the sea: Inputs, fates, and effects. National Academy Press.
- NAWCWPNS Point Mugu, 1994. Environmental assessment for the joint standoff weapon (JSOW) baseline test program. Prepared by the Naval Air Warfare Center, Weapons Division by Pacific Northwest Laboratory. September. Point Mugu, CA.
- NAWCWPNS Point Mugu. 1998. Environmental assessment (EA) for the Tomahawk flight test operations on the west coast of the United States. San Diego, CA. June.
- National Estuarine Research Reserve System [NERRS]. 2004a. National estuarine research reserve system. Accessed 3 Jun 2004. <http://nerrs.noaa.gov/>.
- National Estuarine Research Reserve System. 2004b. Tijuana River Reserve, California. Accessed 3 Jun 2004. <http://www.nerrs.noaa.gov/TijuanaRiver/welcome.html>.
- National Marine Fisheries Service [NMFS]. 2001. Endangered and threatened species: Endangered status for white abalone. *Federal Register* 66(103):29046-29055.
- National Marine Fisheries Service. 2006. White Abalone Recovery Plan (*Haliotis sorenseni*), Draft. National Marine Fisheries Service, Long Beach, CA.
- National Oceanic and Atmospheric Administration [NOAA]. 2001. Seagrasses of the United States of America (including U.S. Territories in the Caribbean), NOAA Coastal Services Center.
- National Oceanic and Atmospheric Administration. 2002. NGDC coastal relief model, Volume 06, version 4.1: Southern California coast [Online]. Available by National Geophysical Data Center. CD.

- National Oceanic and Atmospheric Administration. 2003. Channel Islands. Accessed 4 Jun 2004. <http://sanctuaries.noaa.gov/oms/omschannel/omschannel.html>.
- National Oceanic and Atmospheric Administration. 2004a. Inventory of sites-Status of the inventory. Accessed 4 Jun 2004. <http://mpa.gov/inventory/status.html>.
- National Oceanic and Atmospheric Administration. 2004b. Welcome. Accessed 4 Jun 2004. <http://www.sanctuaries.nos.noaa.gov/welcome.html>.
- National Oceanic and Atmospheric Administration. 2004c. Channel Islands National Marine Sanctuary. Accessed 4 Jun 2004. http://channelislands.noaa.gov/drop_down/reg.html.
- National Oceanic and Atmospheric Administration. 2004d. Marine managed areas inventory data download. Accessed 22 Feb 2005. <http://www3.mpa.gov/exploreinv/download.aspx>.
- National Ocean Service [NOS]. 1980. Environmental sensitivity index maps, San Clemente Island; Maps SC 49, 50 and 51. National Ocean Service, NOAA, Silver Spring, MD. <http://mapindex.nos.noaa.gov>. 1 Jan 1999.
- National Park Service [NPS]. 2004a. Cabrillo National Monument. Accessed 4 Jun 2004. <http://www.nps.gov/cabr/>.
- National Park Service. 2004b. Channel Islands National Park. Accessed 3 Jun 2004. <http://www.nps.gov/chis/homepage.htm>.
- National Park Service. 2004c. National Park Service Boundaries. Accessed 16 Jun 2004. http://www.nps.gov/gis/national_data.htm.
- Nybakken JW. 1988. Marine Biology: An ecological approach. Second Edition. Harper and Row, Publishers. New York. 514pp.
- Pacific Fishery Management Council [PFMC]. 1998. The coastal pelagic species fishery management plan draft amendment eight. pp A78-A90.
- Packard A, Karlson HE, Sand O. 1990. "Low frequency hearing in cephalopods." *Journal of Comparative Physiology A*, 166:501-505.
- Parry GD, Gason A. 2006. "The effect of seismic surveys on catch rates of rock lobsters in western Victoria, Australia." *Fisheries Research* 79:272-284.
- Phillips RC, Meñez EG. 1988. Seagrasses. *Smithsonian contributions to the Marine Sciences* 34:1-104.
- Popper AN, Salmon M, Horch KW. 2001. "Acoustic detection and communication by decapod crustaceans." *Journal of Comparative Physiology A* 187:83-89.
- Ramirez-Garcia P, Terrados J, Ramos F, Lot A, Ocana D, Duarte CM. 2002. Distribution and nutrient limitation of surfgrass, *Phyllospadix scouleri* and *Phyllospadix torreyi*, along the Pacific coast of Baja California (Mexico). *Aquatic Botany* 74:121-131.
- Richards DV, Davis GE. 1993. Early warnings of modern population collapse in black abalone *Haliotis cracherodii*, Leach, 1814 at the California Channel Islands. *Journal of Shellfish Research* 12(2): 189-194.
- Richards D, Avery W, Kushner D. 1990. Kelp forest monitoring Channel Islands National Park. Ventura, CA: Channel Islands National Park.
- Roberts S, Hirshfield M. 2004. Deep-sea corals: out of sight, but no longer out of mind. *Frontiers in Ecology and the Environment* 2:123-130.

- Rodriguez AR. 2003. Consumption of drift kelp by intertidal populations of the sea urchin *Tetrapygus niger* on the central Chilean coast: Possible consequences at different ecological levels. *Marine Ecology Progress Series* 251:141-151.
- Rodriguez S, Santiago ART, Shenker G. 2001. A public-access GIS-based model of potential species habitat distribution for the Santa Barbara Channel and the Channel Islands National Marine Sanctuary, Donald Bren School of Environmental Science and Management: 130 pp.
- Rogers A. 1999. The biology of *Lophelia pertusa* (Linnaeus 1758) and other deep-water reef-forming corals and impacts from human activities. *International Review of Hydrobiology* 84(4):315-410.
- Rogers-Bennett L, Haaker PL, Huff TO, Dayton PK. 2002. Estimating baseline abundances of abalone in California for restoration. *CalCOFI Rep.* 43:97-111.
- Roper CFE, Sweeney MJ, Nauen CE. 1984. *FAO Species Catalogue. Vol. 3, Cephalopods of the world, and species of interest to fisheries. FAO Fisheries Synopsis* 3: 1-277.
- Sandwell DT, Smith WHF, Smith SM, Small C. 2004. Global topography: Measured and estimated seafloor topography. Accessed 21 Feb 2005. http://topex.ucsd.edu/marine_topo/martopo.html.
- Science Applications International Corporation [SAIC] and MEC. 1995. Monitoring assessment of long-term changes in biological communities in the Santa Maria Basins: Phase III, final report.
- Smith D. 1977. *A guide to marine coastal plankton and marine invertebrate larvae.* Kendall/Hunt Publishing Co, Dubuque, IO.
- Sousa WP. 1984. The role of disturbance in natural communities. *Annual Review of Ecology and Systematics* 15:353-391.
- Sousa WP. 2001. Natural disturbance and the dynamics of marine benthic communities. In: Bertness, M.D., Gaines, S.D., Hay, M.E. (Eds.), *Marine Community Ecology.* Sinauer Associates, Sunderland, MA. pp 85- 130.
- Spalding MD, Ravilious C, Green EP. 2001. *World atlas of coral reefs.* Berkeley, California: University of California Press.
- Steneck RS, Graham MH, Bourque BJ, Corbett D, Erlandson JM, Estes JA, Tegner MJ. 2002. Kelp forest ecosystems: Biodiversity, stability, resilience, and future. *Environmental Conservation* 29(4):436-459.
- Tegner MJ, Dayton PK, Edwards PB, Riser KL. 1996. Is there evidence for long-term climatic change in southern California kelp forests? *CalCOFI Reports* 37:111-126.
- TerraLogic GIS, Copps S. 2004. Pacific coast groundfish essential fish habitat project. Consolidated GIS data, Vol. 1: Physical and Biological Habitat. Stanwood, Washington: TerraLogic GIS.
- Thayer GW, Bjorndal KA, Ogden JC, Williams SL, Zieman JC. 1984. Role of larger herbivores in seagrass communities. *Estuaries* 7(4A):351-376.
- Thompson B, Dixon J, Schroeter S, Reish DJ. 1993. Benthic invertebrates. In M.D. Dailey, D.J. Reish, and J.W. Anderson, eds. *Ecology of the Southern California Bight.* Berkeley: University of California Press. pp 369-458.

- U.S. Department of the Navy [DoN]. 1993. Naval Auxiliary Landing Field San Clemente Island Compatibility Study: Land use, operations and natural resource compatibility report. KTU&A, Contract Number N68711-91-C-0035 for Southwest Division Naval Facilities Engineering Command (SWDIV). On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, California.
- U.S. Department of the Navy. 1995. Final environmental impact statement for the development of facilities in San Diego/Coronado to support the homeporting of one NIMITZ class aircraft carrier. Prepared by Ogden Environmental and Energy Services, San Diego, CA. October.
- U.S. Department of the Navy. 1999. Environmental assessment for the plasma sound source (PSS) ocean test. San Diego, Space and Naval Warfare Systems Command.
- U.S. Department of the Navy. 2000. San Diego Bay integrated natural resources management plan. U.S. Department of the Navy, Southwest Division, San Diego.
- U.S. Department of the Navy. 2002. San Clemente Island integrated natural resources management plan draft final, October 2001. Prepared for the U.S. Department of the Navy, Southwest Division (USDON, SWDIV), San Diego, CA by Tierra Data Systems, Escondido, CA.
- U.S. Department of the Navy. 2004b. San Diego Bay 2004 eelgrass survey. San Diego: Naval Facilities Engineering Command, Southwest Division.
- U.S. Department of the Navy. 2007. Naval Auxiliary Landing Field, San Clemente Island area of special biological significance biological survey report. Naval Facilities Engineering Command, Southwest Division Contract #N68711-03-D-7001, Delivery Order No. 18 and 25. February.
- U.S. Fish and Wildlife Service [USFWS]. 2005. U.S. Fish and Wildlife Service: FWS geospatial data sources. Accessed 7 Apr 2005. <http://www.fws.gov/data/datafws.htm> .
- U.S. Geological Survey [USGS]. 2004. Channel Island National Marine Sanctuary GIS. Accessed 16 Jun 2004. <http://coastalmap.marine.usgs.gov/regional/contusa/westcoast/socal/cinms/>.
- Veron J. 2000. Corals of the world. Volume 1. Townsville, Australia: Australian Institute of Marine Science.
- Walder RR, Foster MS. 2000. Recovery of rocky intertidal assemblages following the wreck and salvage of the F/V Trinity. Final Report: Years 1 and 2. June.
- Walsh JJ, Whitledge TE, Kelley JC, Huntsman SA, Pillsbury RD. 1977. Further transition states of the Baja California upwelling ecosystem. *Limnology and Oceanography* 22:264-280.
- Waterproof Charts, Inc. 2003. Southern California and Baja fish/dive waterproof chart #88F. Punta Gorda, Florida: Waterproof Charts, Inc.
- Wilson M., Hanlon RT, Tyack PL, Madsen PT. 2007. "Intense ultrasonic clicks from echolocating toothed whales do not elicit anti-predator responses or debilitate the squid *Loligo pealeii*." *Biology Letters* 3:225-227.
- Young RE. 1972. The systematics and areal distribution of pelagic cephalopods from the seas off Southern California. *Smithson. Contr. Zool.* 97: 1-159.
- Zimmerman RC. 2003. A biooptical model of irradiance distribution and photosynthesis in seagrass canopies. *Limnology and Oceanography* 48(1, part 2):568-585.

3.7 FISH

- Abbott R, Bing-Sawyer E, Blizard R. 2002. "Assessment of pile driving impacts on the Sacramento blackfish (*Orthodon microlepidotus*).” Draft report prepared for Caltrans District 4, Oakland, California.
- Abbott R, Reyff J, Marty G. 2005. "Monitoring the effects of conventional pile driving on three species of fish.” Final report prepared by Strategic Environmental Consulting, Inc. for Manson Construction Company, Richmond, California.
- Allen LG. 1985. A habitat analysis of the nearshore marine fishes from southern California. *Bulletin of the Southern California Academy of Sciences* 84:133-155.
- Allen MJ, Herbinson KT. 1991. Beam-trawl survey of bay and nearshore fishes of the soft-bottom habitat of southern California in 1989. *Calif. Coop. Oceanic Fish. Invest. Rep.* 32:112–127.
- Allen LG, Bouvier LS, Jensen RE. 1992. Abundance, diversity, and seasonality of cryptic fishes and their contribution to a temperate reef fish assemblage off Santa Catalina Island, California. *Bulletin of the Southern California Academy of Sciences* 91:55-69.
- Amoser S, Ladich F. 2003. Diversity in noise-induced temporary hearing loss *Journal of the Acoustical Society of America* 113 (4(1)):2170-2179.
- Amoser S, Ladich F. 2005. Are hearing sensitivities of freshwater fish adapted to the ambient noise in their habitats? *The Journal of Experimental Biology* 208: 3533-3542.
- Aplin JA. 1947. "The effect of explosives on marine life.” *California Fish and Game* 33:23-30.
- Astrup J. 1999. Ultrasound detection in fish—a parallel to the sonar-mediated detection of bats by ultrasound-sensitive insects? *Comparative Biochemistry and Physiology Part A* 124: 19-72.
- Astrup J, Møhl B. 1993. Detection of intense ultrasound by the cod *Gadus morhua*. *Journal of Experimental Biology* 182:71–80.
- Atema J, Fay RR, Popper AN, Tavolga WN, eds. 1988. *Sensory Biology of Aquatic Animals*. New York: Springer Verlag.
- Atema J, Kingsford MJ, Gerlach G. 2002. "Larval reef fish could use odour for detection, retention and orientation to reefs.” *Marine Ecology Progress Series* 241:151-160.
- Au WWL, Banks K. 1998. "The acoustics of the snapping shrimp *Synalpheus parneomeris* in Kaneohe Bay.” *Journal of the Acoustical Society of America* 103:41-47.
- Banner A, Hyatt M. 1973. "Effects of noise on eggs and larvae of two estuarine fishes.” *Transactions of the American Fisheries Society* 102(1):134-136.
- Bennett DH, Falter CM, Chipps SR, Niemela K, Kinney J. 1994. "Effects of underwater sound stimulating the intermediate scale measurement system on fish and zooplankton of Lake Pend Oreille, Idaho.” Research Report prepared by College of Forestry, Wildlife and Range Sciences, University of Idaho for Office of Naval Research, Arlington Virginia, Contract N00014-92-J-4106.
- Blunt CE (ed). 1980. *Atlas of California coastal marine resources*. State of California, Resources Agency and Department of Fish and Game, Sacramento, CA. 134 pp.
- Bodkin JL. 1988. Effects of kelp forest removal on associated fish assemblages in central California. *Journal of Experimental Marine Biology and Ecology* 117:227-238.

- Bodkin JL, VanBlaricon GR, Jameson RJ. 1987. Mortalities of kelp-forest fishes associated with large oceanic waves off central California, 1982-1983. *Environmental Biology of Fishes* 18:73-76.
- Booman C, Dalen H, Heivestad H, Levsen A, van der Meeren T, Toklum K. 1996. "Effekter av luftkanonskyting på egg, larver og ynell." Havforskningsinstituttet, Issn 0071-5638.
- Brown DW. 1974. Hydrography and midwater fishes of three contiguous areas off Santa Barbara, California. Natural History Museum of Los Angeles County, Contributions in Science 261:1-30.
- Buerkle U. 1968. "Relation of pure tone thresholds to background noise level in the Atlantic cod (*Gadus morhua*)." *Journal of the Fisheries Research Board of Canada*, 25: 1155 1160.
- Buerkle U. 1969. "Auditory masking and the critical band in Atlantic cod (*Gadus morhua*)." *Journal of the Fisheries Research Board of Canada*. 26:1113 1119.
- Bushing W. 1995. Identifying regions of giant kelp (*Macrocystis pyrifera*) around Santa Catalina Island for designation as marine reserves. In Proc. 15th ESRI User Conference. May 21-26, 1995, Palm Spring, CA. <http://www.catalinas.net/seer/research/respaper.htm>. 21 Dec 1998.
- California Department of Fish and Game [CDFG]. 1970. Plants and animals recorded from San Clemente Island, 1965-1969. California Department of Fish and Game, Unpublished Manuscript. 8 pp.
- California Department of Fish and Game. 2007. Robertson J. Digital Database of Commercial Landings for CDFG Statistical Areas in California for the Years 2002 to 2005. Personal communication via e-mail, California Department of Fish and Game, Long Beach, CA.
- Caltrans. 2001. "Pile Installation Demonstration Project, Fisheries Impact Assessment." PIDP EA 012081, Caltrans Contract 04A0148. San Francisco - Oakland Bay Bridge East Span Seismic Safety Project.
- Caltrans. 2004. "Fisheries and Hydroacoustic Monitoring Program Compliance Report for the San Francisco-Oakland Bay Bridge East Span Seismic Safety Project." Prepared by Strategic Environmental Consulting, Inc. and Illingworth & Rodkin, Inc. June.
- Casper BM, Mann DA. 2006. Evoked potential audiograms of the nurse shark (*Ginglymostoma cirratum*) and the yellow stingray (*Urobatis jamaicensis*). *Environmental Biology of Fishes* 76:101-108.
- Casper BM, Lobel PS, Yan HY. 2003. The hearing sensitivity of the little skate, *Raja erinacea*: A comparison of two methods. *Environmental Biology of Fishes* 68: 371-379.
- Cato DH. 1978. Marine biological choruses observed in tropical waters near Australia. *Journal of the Acoustical Society of America* 64:736-743.
- Chapman CJ. 1973. "Field studies of hearing in teleost fish." *Helgoländer wissenschaftliche Meeresuntersuchungen* 24:371-390.
- Chapman CJ, Hawkins AD. 1969. The importance of sound in fish behaviour in relation to capture by trawls. In: A. Ben-Tuvia and W. Dickson (eds.), Proceedings of the FAO conference on fish behaviour in relation to fishing techniques and tactics, 19-27 Oct. 1967. FAO Fisheries Report No. 62, Vol. 3, Rome. Pp 717-729.
- Chapman CJ, Hawkins AD. 1973. "A field study of hearing in the cod, *Gadus morhua*." *Journal of Comparative Physiology* 85:147 167.

- Chapman CJ, Sand O. 1974. "Field studies of hearing in two species of flatfish *Pleuronectes platessa* (L.) and *Limanda limanda* (L.) (family Pleuronectidae)." *Comparative Biochemistry and Physiology* 47(A):371-385.
- Coastal Resources Management [CRM]. 1998. San Clemente Island marine resources inventory report–Wilson Cove outfall study, June and August 1997 surveys. Report by Coastal Resources Management, Corona del Mar, CA for Southwestnavfacengcom, South Bay Area Focus Team, Contract N68711-97-M-8426, San Diego, CA.
- Coker CM, Hollis EH. 1950. "Fish mortality caused by a series of heavy explosions in Chesapeake Bay." *Journal of Wildlife Management* 14:435-445.
- Collin SP, Marshall NJ eds. 2003. *Sensory Processing in Aquatic Environments*. New York: Springer-Verlag.
- Coombs S, Montgomery JC. 1999. "The enigmatic lateral line system." In *Comparative Hearing: Fish and Amphibians*, eds. R.R. Fay, and A.N. Popper, 319-362. New York: Springer-Verlag.
- Coombs S, Popper AN. 1979. Hearing differences among Hawaiian squirrelfish (family Holocentridae) related to differences in the peripheral auditory system. *Journal of Comparative Physiology A* 132:203-207.
- Corwin JT. 1981. "Audition in elasmobranchs." In *Hearing and Sound Communication in Fishes*, eds. W.N. Tavolga, A.N. Popper, and R.R. Fay, 81-105. New York: Springer Verlag.
- Corwin JT. 1989. "Functional anatomy of the auditory system in sharks and rays." *Journal of Experimental Zoology, Supplement* 2:62-74.
- Cowen RK, Bodkin JL. 1993. Annual and spatial variation of the kelp forest fish assemblage at San Nicolas Island, California. In F.G. Hochberg, (ed.), *Third California Islands Symposium: Recent Advances in Research on the California Islands*. Santa Barbara Museum of Natural History, Santa Barbara, CA. pp 463-474.
- Cross JN, Allen LG. 1993. Fishes. In M. D. Dailey, D. J. Reish, and J. W. Anderson, eds. *Ecology of the Southern California Bight, A Synthesis and Interpretation*. University of California Press, Berkeley, CA. pp 459-540.
- Culik BM, Koschinski S, Tregenza N, Ellis GM. 2001. Reactions of harbour porpoises (*Phocoena phocoena*) and herring (*Clupea harengus*) to acoustic alarms. *Marine Ecology Progress Series* 211: 255–260.
- Dahlgren. 2000. Noise blast test results aboard USS Cole. Report from Dahlgren Division, Naval Surface Warfare Center, to Commander-in Chief, U.S. Atlantic Fleet (N3).
- Dalen J, Knutsen GM. 1986. Scaring effects in fish and harmful effects on eggs, larvae and fry by offshore seismic exploration. In: Merklinger, H.M. (Ed.), *Progress in Underwater Acoustics*. Plenum Press, New York, pp 93–102.
- Dalen J, Raknes A 1985. Scaring effects on fish from three-dimensional seismic surveys. Report No. FO 8504. Institute of Marine Research. Bergen, Norway.
- DeMartini EE, Roberts DA. 1990. Effects of giant kelp (*Macrocystis*) on the density and abundance of fishes in a cobble-bottom kelp forest. *Bulletin of Marine Science* 46:287-300.
- Dijkgraaf S. 1952. "Über die Schallwahrnehmung bei Meeresfischen." *Zeitschrift vergleichende Physiologie* 34:104-122.

- Dunning DJ, Ross QE, Geoghegan P, Reichle JJ, Menezes JK, Watson JK. 1992. Alewives avoid high-frequency sound. *North American Journal of Fisheries Management*. 12:407-416.
- Dwyer WP, Fredenberg W, Erdahl DA. 1993. "Influence of electroshock and mechanical shock on survival of trout eggs." *North American Journal of Fisheries Management* 13:839-843.
- Ebeling AW, Larson RJ, Alevison WS, Bray RN. 1979. Annual variability of reel fish assemblages in kelp forests off Santa Barbara, California. *Fisheries Bulletin (U.S.)* 78:361-377.
- Egner SA, Mann DA. 2005. Auditory sensitivity of sergeant major damselfish *Abudefduf saxatilis* from post-settlement juvenile to adult. *Marine Ecology Progress Series* 285: 213–222.
- Engås A, Løkkeborg S. 2002. Effects of seismic shooting and vessel-generated noise on fish behaviour and catch rates. *Bioacoustics*, 12: 313-315.
- Engas A, Lokkeborg S, Ona E, Soldal A. 1996. Effects of seismic shooting on local abundance and catch rates of cod (*Gadus morhua*) and haddock (*Melanogrammus aeglefinus*). *Can. J. Fish. Aquat. Sci.* 53: 2238-2249.
- Enger PS. 1967. "Hearing in herring." *Comparative Biochemistry and Physiology* 22:527-538.
- Enger PS. 1981. "Frequency discrimination in teleosts-central or peripheral?" In *Hearing and Sound Communication in Fishes*, eds. W.N. Tavolga, A.N. Popper, and R.R. Fay, 243-255. New York: Springer-Verlag.
- Engle JM. 1993. Distribution patterns of rocky subtidal fishes around the California Islands. In F.G. Hochberg, (ed.) *Third California Islands Symposium: Recent Advances in Research on the California Islands*. Santa Barbara Museum of Natural History, Santa Barbara, CA. pp 475-484.
- Fay RR. 1988. *Hearing in vertebrates, A psychophysics databook*. Hill-Fay Associates, Winnetka, IL.
- Fay R, Popper AN. 2000. Evolution of hearing in vertebrates: the inner ears and processing. *Hearing Research*. 149: 1-10.
- Fay RR. 2005. "Sound source localization by fishes." In *Sound Source Localization*, eds. A.N. Popper and R.R. Fay, 36-66. New York: Springer Science + Business Media, LLC.
- Fay RR, Megela-Simmons A. 1999. "The sense of hearing in fishes and amphibians." In *Comparative Hearing: Fish and Amphibians*, eds. R.R. Fay and A.N. Popper, 269-318. New York: Springer-Verlag.
- Fish JF, Offutt GC. 1972. "Hearing thresholds from toadfish, *Opsanus tau*, measured in the laboratory and field." *Journal of the Acoustical Society of America* 51:1318-1321.
- Fletcher R. 1999. Sports Fishing Association of California. Personal communication 4 January 1999, San Diego, CA.
- Froese R, Pauly D. 2004. FishBase. Accessed 20 Apr 2005. <http://www.fishbase.org>.
- Gannon DP, Barros NB, Nowacek DP, Read AJ, Waples DM, Wells RS. 2005. Prey detection by bottlenose dolphins (*Tursiops truncatus*): an experimental test of the passive listening hypothesis. *Animal Behaviour* 69:709–720.
- Gaspin JB. 1975. "Experimental investigations of the effects of underwater explosions on swimbladder fish, I: 1973 Chesapeake Bay tests." *Navel Surface Weapons Center Technical Report NSWC/WOL/TR 75-58*, White Oak Laboratory, Silver Spring, Maryland.

- Gausland I. 2003. "Seismic survey impact on fish and fisheries." Report prepared by Stavanger for Norwegian Oil Industry Association, March.
- Gearin PJ, Gosho ME, Lakke JL, Cooke L, DeLong RL, Hughes KM. 2000. Experimental testing of acoustic alarms (pingers) to reduce bycatch of harbour porpoise, *Phocoena phocoena*, in the state of Washington. *Journal of Cetacean Research and Management* 2(1):1-9.
- Goertner JF, Wiley ML, Young GA, McDonald WW. 1994. Effects of underwater explosions on fish without swimbladders. Naval Surface Warfare Center, Dahlgren Division, White Oak Detachment, Silver Spring, MD. NSWC TR 88-114.
- Govoni JJ, Settle LR, West MA. 2003. "Trauma to juvenile pinfish and spot inflicted by submarine detonations." *Journal of Aquatic Animal Health* 15:111-119.
- Gregory J, Claburn P. 2003. Avoidance behaviour of *Alosa fallax fallax* to pulsed ultrasound and its potential as a technique for monitoring clupeid spawning migration in a shallow river. *Aquatic Living Resources* 16: 313-316.
- Guth J. 1999. California lobster and trap fishermen's association. Personal communication, Oceanside, CA, 11 Jan 1999.
- Halmay P. 1999. Sea urchin harvester's association of California. Personal communication, Bodega Bay, CA, 8 Jan 1999.
- Halvorsen MB, Wysocki LE, Popper AN. 2006. "Effects of high-intensity sonar on fish." *Journal of the Acoustical Society of America* 119:3283.
- Hastings MC, Popper AN, Finneran JJ, Lanford PJ. 1996. "Effects of low-frequency underwater sound on hair cells of the inner ear and lateral line of the teleost fish *Astronotus ocellatus*." *Journal of the Acoustical Society of America* 99(3):1759-1766.
- Hastings MC, Popper AN. 2005. Effects of sound on fish. Jones & Stokes under California Department of Transportation Contract No. 43A0139, Task Order 1.
- Hawkins AD, Johnstone ADF. 1978. The hearing of the Atlantic salmon, *Salmo salar*. *Journal of Fish Biology* 13: 655-673.
- Helgren R. 1999. Helgren sport fishing. Personal communication. 11 Jan 1999, Oceanside, CA.
- Higgs DM. 2005. Auditory cues as ecological signals for marine fishes. *Marine Ecology Progress Series* 287: 278-281
- Higgs DM, Plachta DTT, Rollo A, Singheiser M, Hastings MC, Popper AN. 2004. Development of ultrasound detection in American shad (*Alosa sapidissima*). *J Exp Biol* 207:155- 163.
- Holbrook SJ, Carr MH, Schmidt RJ, Coyer JA. 1990. Effect of giant kelp on local abundance of reef fishes: The importance of ontogenetic resource requirements. *Bulletin of Marine Science* 47:104-114.
- Horn MH. 1980. Diversity and ecological roles of non-commercial fishes in California marine habitats. *California Cooperative Oceanic Fisheries Investigations Reports* 21:37-47.
- Horn MH, Allen LG. 1978. A distributional analysis of California coastal marine fishes. *Journal of Biogeography* 5:23-42.
- Horn MH, Allen LG, Lea RN. 2006. Biogeography. In: Allen LG, Pondella DJ II, Horn MH editors. *The Ecology of Marine Fishes: California and Adjacent Waters*. Berkeley (CA): University of California Press. pp 3-25.

- IRI/LDEO. 1998. Monthly mean sea surface temperature anomalies. International Research Institute for Climatic Prediction, Columbia University, Lamont Doherty Earth Observatory and Scripps Institute of Oceanography. <http://ingrid.lgdo.columbia.edu/SOURCES/indices/ensomonitor.html>. 21 Dec 1998.
- IRI/LDEO. 2006. Monthly mean sea surface temperature anomalies. International Research Institute for Climatic Prediction, Columbia University, Lamont Doherty Earth Observatory and Scripps Institute of Oceanography. <http://ingrid.lgdo.columbia.edu/SOURCES/indices/ensomonitor.html>.
- Iversen RTB. 1967. Response of the yellowfin tuna (*Thunnus albacares*) to underwater sound. In W.N. Tavolga (ed), Marine Bio-Acoustics II. Pergamon Press, New York. pp 105-121.
- Iversen RTB. 1969. Auditory thresholds of the scombrid fish *Euthynnus affinis*, with comments on the use of sound in tuna fishing. Proceedings of the FAO Conference on Fish Behaviour in Relation to Fishing Techniques and Tactics, October 1967. FAO Fisheries Reports No. 62 Vol. 3. FRm/R62.3.
- Jackaloni V. 1999. Commercial fisherman. Personal Communication, 11 Jan 1999, San Diego, CA.
- Jensen JOT, Alderdice DF. 1983. "Changes in mechanical shock sensitivity of coho salmon (*Oncorhynchus kisutch*) eggs during incubation." Aquaculture 32:303-312.
- Jensen JOT, Alderdice DF. 1989. "Comparison of mechanical shock sensitivity of eggs of five Pacific salmon (*Oncorhynchus*) species and steelhead trout (*Salmo gairdneri*)." Aquaculture 78:163-181.
- Jerkø H, Turunen-Rise I, Enger PS, Sand O. 1989. "Hearing in the eel (*Anguilla anguilla*)." Journal of Comparative Physiology 165:455-459.
- Jørgensen R, Handegard NO, Gjørseter H, Slotte A. 2004. Possible vessel avoidance behaviour of capelin in a feeding area and on a spawning ground. Fisheries Research 69: 251-261.
- Jørgensen R, Olsen KK, Falk-Petersen IB, Kanapthippilai P. 2005. Investigations of potential effects of low frequency sonar signals on survival, development and behaviour of fish larvae and juveniles. The Norwegian College of Fishery Science, University of Tromsø, N-9037 Tromsø Norway.
- Kalmijn AJ. 1988. "Hydrodynamic and acoustic field detection." In Sensory Biology of Aquatic Animals, eds. A. Atema, R.R. Fay, A.N. Popper, and W.N. Tavolga, 83-130. New York: Springer-Verlag.
- Kalmijn AJ. 1989. "Functional evolution of lateral line and inner ear sensory systems." In: The mechanosensory lateral line - Neurobiology and evolution, eds. S. Coombs, P. Görner, and M. Münz, 187-215. Berlin: Springer Verlag.
- Karlsen HE. 1992. "Infrasound sensitivity in the plaice (*Pleuronectes platessa*)." Journal of Experimental Biology, 171:173-187.
- Keevin TM, Hempen GL, Schaeffer DJ. 1997. "Use of a bubble curtain to reduce fish mortality during explosive demolition of Locks and Dam 26, Mississippi River." In Proceedings of the Twenty-third Annual Conference on Explosives and Blasting Technique, Las Vegas, Nevada, International Society of Explosive Engineers, Cleveland, Ohio, 197-206.
- Kenyon TN. 1996. "Ontogenetic changes in the auditory sensitivity of damselfishes (Pomacentridae)." Journal of Comparative Physiology A 179:553-561.

- Kenyon TN. 1996. Ontogenetic changes in the auditory sensitivity of damselfishes (pomacentridae). *Journal of Comparative Physiology* 179: 553-561.
- Knudsen FR, Enger PS, Sand O. 1992. Awareness reactions and avoidance responses to sound in juvenile Atlantic salmon, *Salmo salar*. *Journal of Fish Biology*. 40: 523–534.
- Knudsen FR, Enger PS, Sand O. 1994. Avoidance responses to low frequency sound in downstream migrating Atlantic salmon smolt, *Salmo salar*. *Journal of Fish Biology*. 45: 227-233.
- Kobylynsky G. 1998. Digital database of commercial landings for CDFG statistical areas within and near the San Clemente sea ranges complex for the years 1993 to 1997. Personal communication via e-mail, California Department of Fish and Game, Long Beach, CA.
- Koski WR, Lawson JW, Thomson DH, Richardson WJ. 1998. Point Mugu sea range technical report. Rep. by LGL Limited, King City, ON and Ogden Environmental Energy Services, Santa Barbara, CA for U.S. Navy Naval Air Warfare Center, Weapons Division, Point Mugu, CA and Southwest Division Naval Facilities Engineering Command, San Diego, CA. 281 pp.
- Kostyuchenko LP. 1973. "Effects of elastic waves generated in marine seismic prospecting on fish eggs in the Black Sea." *Hydrobiologia* 9:45-46.
- Kushner DJ, Rich P. 2004. Naval Auxiliary Landing Field, San Clemente Island kelp forest monitoring 2004 annual report and final report. Contract # N68711-01-LT-01038. Rep. prepared for SWDIV NAVFACENGCOM. 37 p. + Appendices.
- Kvadsheim PH, Sevaldsen EM. 2005. The potential impact of 1-8 kHz active sonar on stocks of juvenile fish during sonar exercises. FFI/Report-2005/01027.
- Ladich F, Bass AH. 2003. Underwater sound generation and acoustic reception in fishes with some notes on frogs. In Collin, S.P. and N.J. Marshall (eds), *Sensory Processing in Aquatic Environments*. Springer-Verlag, New York. pp 173-193.
- Ladich F, Popper AN. 2004. Parallel evolution in fish hearing organs. In Manley, G.A., A.N. Popper, and R.R. Fay (eds), *Evolution of the Vertebrate Auditory System*. Springer Handbook of Auditory Research. Springer-Verlag, New York. pp 95-127.
- Ladich F, Wysocki LE. 2003. How does tripus extirpation affect auditory sensitivity in goldfish? *Hearing Research* 182: 119-129.
- Larson RJ, DeMartini EE. 1984. Abundance and vertical distribution of fishes in a cobble bottom kelp forest of San Onofre, California. *Fisheries Bulletin (U.S.)* 82:37-53.
- Lenarz WH, VenTresca DA, Graham WM, Schwing FB, Chavez F. 1995. Explorations of El Niño events and associated biological population dynamics off central California. *Calif. Coop. Oceanic Fish. Invest. Rep.* 36:106–119.
- Lombarte A., Popper AN. 1994. "Quantitative analyses of postembryonic hair cell addition in the otolithic endorgans of the inner ear of the European hake, *Merluccius merluccius* (Gadiformes, Teleostei)." *Journal of Comparative Neurology* 345:419-428.
- Lombarte A, Yan HY, Popper AN, Chang JC, Platt C. 1993. "Damage and regeneration of hair cell ciliary bundles in a fish ear following treatment with gentamicin." *Hearing Research*, 66:166-174.
- Love MS, Stephens JS, Morris PA, Singer MM, Sandhu M, Sciarrotta TC. 1986. Inshore soft substrata fishes in the southern California Bight: An overview. *California Cooperative Fisheries Investigations Report* 27:84-106.

- Lovell JM, Findlay MM, Moate RM, Pilgrim DA. 2005. The polarization of inner ear ciliary bundles from a scorpaeniform fish. *Journal of Fish Biology* 66: 836–846.
- Løvik A, Hovem JM. 1979. An experimental investigation of swimbladder resonance in fishes. *The Journal of the Acoustical Society of America* 66: 850-854.
- Luczkovich JJ, Daniel HJ, Hutchinson M, Jenkins T, Johnson SE, Pullinger RC, Sprague MW. 2000. Sounds of sex and death in the sea: bottlenose dolphin whistles suppress mating choruses of silver perch. *Bioacoustics* 10:323–334.
- MacCall AD. 1996. Patterns of Low-Frequency Variability in Fish Populations of the California Current. *California Cooperative Fisheries Investigations Report* 37:100-110.
- Mann DA, Lobel PS. 1997. Propagation of damselfish (Pomacentridae) courtship sounds. *J. Acoust. Soc. Amer.* 101:3783–3791.
- Mann DA, Lu Z, Popper AN. 1997. “A clupeid fish can detect ultrasound.” *Nature* 389:341.
- Mann DA, Popper AN, Wilson B. 2005. Pacific herring hearing does not include ultrasound. *Biology Letters* 1: 158-161.
- Mann DA, Lu Z, Hastings MC, Popper AN. 1998. Detection of ultrasonic tones and simulated echolocation clicks by a teleost fish, the American shad (*Alosa sapidissima*). *Journal of the Acoustical Society of America* 104:562-568.
- Mann DA, Higgs DM, Tavolga WN, Souza MJ, Popper AN. 2001. Ultrasound detection by clupeiform fishes. *The Journal of the Acoustical Society of America* 109: 3048-3054.
- McCartney BS, Stubbs AR. 1971. Measurements of the acoustic target strengths of fish in dorsal aspect, including swimbladder resonance. *Journal of Sound and Vibration* 15(3): 397-404.
- McCauley RD, Cato DH. 2000. Patterns of fish calling in a nearshore environment in the Great Barrier Reef. *Philosophical Transaction of the Royal Society of London B* 355:1289–1293.
- McCauley RD, Fewtrell J, Duncan AJ, Jenner C, Jenner MN, Penrose JD, Prince RIT, Adhitya A, Murdoch J, McCabe C. 2000. “Marine Seismic Surveys: Analysis and Propagation of Air Gun Signals; and Effects of Air-Gun Exposure on Humpback Whales, Sea Turtles, Fishes and Squid.” Report R99-15 prepared by Centre for Marine Science and Technology, Curtin University of Technology, Western Australia for Australian Petroleum Production and Exploration Association.
- McCauley RD, Fewtrell J, Popper AN. 2003. High intensity anthropogenic sound damages fish ears. *Journal of the Acoustical Society of America* 113 (1): 638-642.
- McEwan D, Jackson TA. 1996. Steelhead restoration and management plan for California. Sacramento: California Department of Fish and Game.
- McLennan MW. 1997. A simple model for water impact peak pressure and pulse width. Technical Memorandum, Greeneridge Sciences Inc., Santa Barbara, CA. 4 p.
- Mearns AJ, Allen MJ, Moore MD, Sherwood MJ. 1980. Distribution, abundance, and recruitment of softbottom rockfishes (Scorpaenidae: Sebastes) on the southern California mainland shelf. *California Cooperative Oceanic Fisheries Investigations Reports* 21:180-190.
- Myrberg Jr AA. 1980. Fish bioacoustics: its relevance to the ‘not so silent world.’ *Environmental Biology of Fish* 5(4): 297-304.
- Myrberg AA. 2001. The acoustical biology of elasmobranches. *Environ. Biol. Fishes* 60: 31–45.

- Myrberg Jr AA, Banner A, Richard JD. 1969. "Shark attraction using a video-acoustic system." *Marine Biology* 2:264.
- Myrberg Jr AA, Gordon CR, Klimley AP. 1976. "Attraction of free ranging sharks by low frequency sound, with comments on its biological significance." In *Sound Reception in Fish*, eds. A. Schuijf and A.D. Hawkins, 205-228. Amsterdam: Elsevier.
- Myrberg Jr AA, Ha SJ, Walewski S, Banbury JC. 1972. "Effectiveness of acoustic signals in attracting epipelagic sharks to an underwater sound source." *Bulletin of Marine Science* 22:926-949.
- Myrberg Jr AA, Spires JY. 1980. "Hearing in damselfishes: an analysis of signal detection among closely related species." *Journal of Comparative Physiology* 140:135-144.
- National Marine Fisheries Service [NMFS]. 1997. Endangered and threatened species: Listing of several evolutionary significant units (ESUs) of West Coast steelhead. *Federal Register* 62(159):43937-43954.
- National Marine Fisheries Service. 2002. Endangered and threatened species: Range extension for endangered steelhead in southern California. *Federal Register* 67(84):21586-21598.
- National Research Council (NRC). 1994. *Low-Frequency Sound and Marine Mammals: Current Knowledge and Research Needs*. Washington, DC: National Academy Press.
- National Research Council (NRC). 2003. *Ocean Noise and Marine Mammals*. Washington, DC: National Academy Press.
- Naval Research Laboratory. 1999. Environmental effects of RF chaff. A Select Panel Report to the Undersecretary of Defense for Environmental Security. Final Report. Accession Number : ADA379848.
- Nedwell JR, Turnpenny A, Langworthy J, Edwards B. 2003. "Measurements of underwater noise during piling at the Red Funnel Terminal, Southampton, and observations of its effect on caged fish." Report 558 R 0207 prepared by Subacoustech Ltd., Hants, UK.
- Nedwell JR, Edwards B, Turnpenny AWH, Gordon J. 2004. "Fish and marine mammal audiograms: A summary of available information." Report 534 R 0214 prepared by Subacoustech Ltd., Hampshire, UK.
<http://www.subacoustech.com/information/downloads/reports/534R0214.pdf>
- Nelson DR, Johnson RH. 1972. "Acoustic attraction of Pacific reef sharks: effect of pulse intermittency and variability." *Comparative Biochemistry and Physiology Part A* 42:85-95.
- Nelson JS. 1994. *Fishes of the world*, third edition. John Wiley & Sons, Inc., New York. Pages 12 and 125-127.
- Nestler JM. 2002. Simulating movement patterns of blueback herring in a stratified southern impoundment. *Transactions of the American Fisheries Society*. 131: 55-69.
- Nestler JM, Plaskey GR, Pickens J, Menezes J, Schilt C. 1992. Responses of blueback herring to high-frequency sound and implications for reducing entertainment at hydropower dams. *North American Journal of Fisheries Management* 12:667-693.
- NSWC/Anteon Corp., Inc., 2005. Very shallow water explosion tests at Naval Amphibious Base, Coronado, CA and San Clemente Island, CA: Conditions, results, and model predictions.
- Offutt GC. 1971. "Response of the tautog (*Tautoga onitis*, teleost) to acoustic stimuli measured by classically conditioning the heart rate." *Conditional Reflex* 6(4):205-214.

- Oxman DS., Barnett-Johnson R, Smith ME, Coffin AB, Miller DD, Josephson R, Popper AN. 2007. "The effect of vaterite deposition on otolith morphology, sound reception and inner ear sensory epithelia in hatchery-reared chinook salmon (*Oncorhynchus tshawytscha*)."
Canadian Journal of Fisheries and Aquatic Sciences 64:1469-1478.
- Pacific Fishery Management Council [PFMC]. 2005. Description and identification of essential Fish Habitat for the Coastal Species Fishery Management Plan. Coastal Species Fishery Management Plan. Pacific Fisheries Management Council.
<http://www.pcouncil.org/cps/cpsfmp.html>.
- Pacific Fishery Management Council. 2006. Pacific Coast Groundfish Fishery Management Plan as Amended through Amendment 19. National Oceanic and Atmospheric Administration. 167p. <http://www.pcouncil.org/groundfish/gffmp.html>.
- Pearson WH, Skalski JR, Malme CI. 1987. "Effects of sounds from a geophysical survey device on fishing success." Report prepared by Battelle/Marine Research Laboratory for the Marine Minerals Service, United States Department of the Interior under Contract Number 14-12-0001-30273. June.
- Pearson WH, JR Skalski, CI Malme. 1992. Effects of sounds from a geophysical survey device on behaviour of captive rockfish (*Sebastes* spp.). Canadian Journal of Fisheries and Aquatic Science 49(7):1343-1356.
- Pickering AD. 1981. Stress and Fishes. New York: Academic Press.
- Plachata DTT, Popper AN. 2003. Evasive responses of American shad (*Alosa sapidissima*) to ultrasonic stimuli. Acoustics Research Letters Online 4: 25-30.
- Plachta DTT, Song J, Halvorsen MB, Popper AN. 2004. "Neuronal encoding of ultrasonic sound by a fish." Journal of Neurophysiology 91:2590-2597.
- Popper AN. 1976. "Ultrastructure of the auditory regions in the inner ear of the lake whitefish." Science 192:1020 1023.
- Popper AN. 1977. "A scanning electron microscopic study of the sacculus and lagena in the ears of fifteen species of teleost fishes." Journal of Morphology 153:397 418.
- Popper AN.1980. Scanning electron microscopic study of the sacculus and lagena in several deep-sea fishes. The American Journal of Anatomy 157:115-136.
- Popper AN. 1981. Comparative scanning electron microscopic investigations of the sensory epithelia in the teleost sacculus and lagena. Journal of Comparative Neurology 200: 357-374.
- Popper AN. 2003. Effects of anthropogenic sounds on fishes. Fisheries, 28(10):24-31.
- Popper AN, Carlson TJ. 1998. Application of sound and other stimuli to control fish behavior. Transactions of the American Fisheries Society 127: 673-707.
- Popper AN, Fay RR, Platt C, Sand O. 2003. "Sound detection mechanisms and capabilities of teleost fishes." In Sensory Processing in Aquatic Environments, eds. S.P. Collin and N.J. Marshall, 3-38. New York: Springer-Verlag.
- Popper, A.N., M.B. Halvorsen, D. Miller, M.E. Smith, J. Song, L.E. Wysocki, M.C. Hastings, A.S. Kane, and P.Stein. 2005. Effects of surveillance towed array sensor system (SURTASS) low frequency active sonar on fish. J. Acoust. Soc. Am. 117, 2440 (2005).

- Popper A.N., M.B. Halvorsen, E. Kane, D.D. Miller, M.E. Smith, P. Stein, L.E. Wysocki. 2007. "The effects of high-intensity, low-frequency active sonar on rainbow trout." *Journal of the Acoustical Society of America* 122:623-635.
- Popper AN, Hoxter B. 1984. "Growth of a fish ear: 1. Quantitative analysis of sensory hair cell and ganglion cell proliferation." *Hearing Research* 15:133-142.
- Popper AN, Hoxter B. 1987. "Sensory and nonsensory ciliated cells in the ear of the sea lamprey, *Petromyzon marinus*." *Brain, Behavior and Evolution* 30:43-61.
- Popper AN, Plachta DTT, Mann DA, Higgs D. 2004. "Response of clupeid fish to ultrasound: a review." *ICES Journal of Marine Science* 61:1057-1061.
- Popper AN, Salmon M, Horch KW. 2001. "Acoustic detection and communication by decapod crustaceans." *Journal of Comparative Physiology A* 187:83-89.
- Popper AN, Schilt CR. 2008. "Hearing and acoustic behavior (basic and applied)." In *Fish Bioacoustics*, eds. J.F. Webb, R.R. Fay, and A.N. Popper. New York: Springer Science + Business Media, LLC.
- Popper AN, Smith ME, Cott PA, Hanna BW, MacGillivray AO, Austin ME, Mann DA. 2005. Effects of exposure to seismic airgun use on hearing of three fish species. *J. Acoust. Soc. Am.*, 117:3958-3971.
- Popper AN, Tavolga WN. 1981. Structure and function of the ear in the marine catfish, *Arius felis*. *Journal of Comparative Physiology* 144: 27-34.
- Popper AN, Plachta DTT, Mann DA, Higgs D. 2004. Response of clupeid fish to ultrasound: a review. *ICES Journal of Marine Science*, 61: 1057-1061.
- Rainwater CL. 1975. An ecological study of mid-water fishes in Santa Catalina Basin, off southern California, using cluster analysis. Dissertation, University of Southern California, Los Angeles : 159 pp.
- Ramcharitar J, Popper AN. 2004. Masked auditory thresholds in sciaenid fishes: A comparative study. *Journal of the Acoustical Society of America* 116 (3): 1687-1691.
- Ramcharitar J, Higgs DM, Popper AN. 2001. Sciaenid inner ears: A study in diversity. *Brain, Behavior and Evolution* 58: 152-162.
- Ramcharitar JU, Deng X, Ketten D, Popper AN. 2004. Form and function in the unique inner ear of a teleost fish: The silver perch (*Bairdiella chrysoura*). *Journal of Comparative Neurology* 475:531-539.
- Ramcharitar JU, Higgs DM, Popper AN. 2006a. Audition in sciaenid fishes with different swim bladder-inner ear configurations. *Journal of the Acoustical Society of America* 119 (1): 439-443.
- Ramcharitar J, Gannon D, Popper A. 2006b. Bioacoustics of fishes of the Family Sciaenidae (croakers and drums). *Transactions of the American Fisheries Society* 135:1409-1431.
- Remage-Healey L, Nowacek DP, Bass AH. 2006. Dolphin foraging sounds suppress calling and elevate stress hormone levels in a prey species, the Gulf toadfish. *The Journal of Experimental Biology* 209: 4444-4451.
- Richardson WJ, Greene CR Jr., Malme CI, Thomson DH. 1995. *Marine Mammals and Noise*. New York: Academic Press.

- Rogers PH, M. Cox. 1988. "Underwater sound as a biological stimulus." In *Sensory Biology of Aquatic Animals*, eds. A. Atema, R.R. Fay, A.N. Popper, and W.N. Tavolga, 131-149. New York: Springer-Verlag.
- Ross QE, Dunning DJ, Menezes JK, Kenna Jr MJ, Tiller G. 1996. Reducing impingement of alewives with high-frequency sound at a power plant intake on Lake Ontario. *North American Journal of Fisheries Management* 16: 548-559.
- Sand O, Karlsen HE. 1986. "Detection of infrasound by the Atlantic cod." *Journal of Experimental Biology* 125:197-204.
- Sand O, Karlsen HE. 2000. "Detection of infrasound and linear acceleration in fish." *Philosophical Transactions of the Royal Society of London B* 355:1295-1298.
- Sand O, Enger PS, Karlsen HE, Knudsen FR, Kvernstuen T. 2000. "Avoidance responses to infrasound in downstream migrating European silver eels, *Anguilla anguilla*." *Environmental Biology of Fishes* 47:327-336.
- Scholik AR, Yan HY. 2001. Effects of underwater noise on auditory sensitivity of a cyprinid fish. *Hearing Research* 152: 17-24.
- Scholik AR, Yan HY. 2002. Effects of boat engine noise on the auditory sensitivity of the fathead minnow, *Pimephales promelas*. *Environmental Biology of Fishes* 63: 203–209.
- Schwarz AL, GL Greer. 1984. Responses of Pacific herring, *Clupea harengus pallasii*, to some underwater sounds. *Canadian Journal of Fisheries and Aquatic Science* 41:1183-1192.
- Sevaldsen EM, Kvadsheim PH. 2004. Active sonar and the marine environment. In Porter, M.B., M. Siderius, and W.A. Kuperman (editors), *High Frequency Ocean Acoustics. Conference Proceedings 728*, American Institute of Physics 0-7354-0210-8/04. pp 272-279.
- Sisneros JA 2007. "Saccular potentials of the vocal plainfin midshipman fish, *Porichthys notatus*." *Journal of Comparative Physiology A* 193:413-424.
- Sisneros JA, Bass AH. 2003. Seasonal plasticity of peripheral auditory frequency sensitivity. *The Journal of Neuroscience* 23(3): 1049-1058.
- Skalksi JR, Pearson WH, Malme CI. 1992. Effects of sounds from a geophysical survey device on catch-per-unit-effort in a hook-and-line fishery for rockfish (*Sebastes* spp.). *Canadian Journal of Fisheries and Aquatic Science* 49:1357-1365.
- Slotte A, Hansen K, Dalen J, Ona E. 2004. Acoustic mapping of pelagic fish distribution and abundance in relation to a seismic shooting area off the Norwegian west coast. *Fisheries Research* 67: 143-150.
- Smith ME, Kane AS, Popper AN. 2004a. Acoustical stress and hearing sensitivity in fishes: does the linear threshold shift hypothesis hold water? *The Journal of Experimental Biology* 207: 3591-3602.
- Smith ME, Kane AS, Popper AN. 2004b. Noise-induced stress response and hearing loss in goldfish (*Carassius auratus*). *The Journal of Experimental Biology* 207: 427-435.
- Smith ME, Coffin AB, Miller DL, Popper AN. 2006. "Anatomical and functional recovery of the goldfish (*Carassius auratus*) ear following noise exposure." *Journal of Experimental Biology* 209:4193-4202.
- Song J, Mathieu A, Soper RF, Popper AN. 2006. Structure of the inner ear of bluefin tuna *Thunnus thynnus*. *Journal of Fish Biology* 68: 1767–1781.

- Song, J., D.A. Mann, P.A. Cott, B.W. Hanna, A.N. Popper. 2008. The inner ears of Northern Canadian freshwater fishes following exposure to seismic air gun sounds. *J. Acoust. Soc. Am.* 124 (2)
- Sonny D, Knudsen RR, Enger PS, Kvernstuen T, Sand O. 2006. "Reactions of cyprinids to infrasound in a lake and at the cooling water inlet of a nuclear power plant." *Journal of Fish Biology* 69:735-748.
- Sverdrup A, Kjellsby E, Krueger PG, Floysand R, Knudsen FR, Enger PS, Serck-Hanssen G, Helle KB. 1994. "Effects of experimental seismic shock on vasoactivity of arteries, integrity of the vascular endothelium and on primary stress hormones of the Atlantic salmon." *Journal of Fish Biology* 45:973-995.
- Tavolga WN 1974a. "Sensory parameters in communication among coral reef fishes." *The Mount Sinai Journal of Medicine* 41(2):324-340.
- Tavolga WN 1974b. "Signal/noise ratio and the critical band in fishes." *Journal of the Acoustical Society of America* 55:1323-1333.
- Tavolga WN, Wodinsky J. 1963. "Auditory capacities in fishes: pure tone thresholds in nine species of marine teleosts." *Bulletin of the American Museum of Natural History* 126:177-240.
- Turnpenny AWH, Thatcher KP, Nedwell JR. 1994. "The effects on fish and other marine animals of high-level underwater sound." Report FRR 127/94 prepared by Fawley Aquatic Research Laboratories, Ltd., Southampton, UK.
- U.S. Air Force. 1997. Environmental effects of self-protection chaff and flares. U.S. Air Force, Headquarters Air Combat Command, Langley Air Force Base, VA. var. p. NTIS PB98-110620.
- U.S. Department of the Navy [DoN]. 1998. Final environmental impact statement: Shock testing the SEAWOLF submarine. Department of the Navy, Southern Division, Naval Facilities Engineering Command, North Charleston, SC.
- U.S. Department of the Navy. 2005. Marine Resource Assessment for the Southern California Operating Area- Final September 2005. Prepared for Department of the Navy, Pacific Division, Naval Facilities Engineering Command, Pearl Harbor, HI. Prepared by GeoMarine Inc., Plano, TX. 574 pp
- U.S. Department of the Navy. 2007. Whales and sonar. <http://www.whalesandsonar.navy.mil>.
- Wardle CS, Carter TJ, Urquhart GG, Johnstone ADF, Ziolkowski AM, Hampson G, Mackie D. 2001. "Effects of seismic air guns on marine fish." *Continental Shelf Research* 21:1005-1027.
- Webb JF, Montgomery J, Mogdans J. 2008. "Bioacoustics and the lateral line of fishes." In *Fish Bioacoustics*, eds. J.F. Webb, R.R. Fay, and A.N. Popper. New York: Springer Science + Business Media, LLC.
- Wilson B, Dill LM. 2002. "Pacific herring respond to simulated odontocete echolocation sounds." *Canadian Journal of Aquatic Science* 59: 542-553.
- Winn HE. 1967. "Vocal facilitation and biological significance of toadfish sounds." In *Marine Bio Acoustics, II*, ed. W.N. Tavolga, 283-303. Oxford: Pergamon Press.
- Wodinsky J, Tavolga WN. 1964. Sound detection in teleost fishes. p. 269-280 In: W.N. Tavolga (ed), *Marine Bio-Acoustics*. Pergamon Press, Oxford.

- Wright KJ, Higgs DM, Belanger AJ, Leis JM. 2005. Auditory and olfactory abilities of pre-settlement larvae and post-settlement juveniles of a coral reef damselfish (Pisces:Pomacentridae). *Marine Biology* 147: 1425-1434.
- Wright KJ, Higgs DM, Belanger AJ, Leis JM. 2005. Auditory and olfactory abilities of pre-settlement larvae and post-settlement juveniles of a coral reef damselfish (Pisces:Pomacentridae). Erratum. *Marine Biology* (2007) 150: 1049-1050.
- Wright KJ, Higgs DM, Belanger AJ, Leis JM. 2007. "Auditory and olfactory abilities of pre-settlement larvae and post-settlement juveniles of a coral reef damselfish (Pisces: Pomacentridae). Erratum." *Marine Biology* 150:1049-1050.
- Wysocki LE, Ladich F. 2005. Hearing in fishes under noise conditions. *Journal of the Association for Research in Otorngology* 6(1): 28-36.
- Wysocki LE, Ladich F, Dittami J. 2006. "Ship noise and cortisol secretion in European freshwater fishes." *Biological Conservation* 128:501-508.
- Wysocki LE, Davidson JW III, Smith ME, Frankel AS, Ellison WT, Mazik PM, Popper AN, Bebak J. 2007. "Effects of aquaculture production noise on hearing, growth, and disease resistance of rainbow trout *Oncorhynchus mykiss*." *Aquaculture* 272:687-697.
- Yelverton JT. 1981. Underwater explosion damage risk criteria for fish, birds, and mammals. Paper presented at the 102nd Meeting of the Acoustical Society of America, 30 November–4 December, Miami Beach, FL.
- Yelverton JT, DR Richmond, ER Fletcher, RK Jones. 1973. Safe distances from underwater explosions for mammals and birds. Report by Lovelace Foundation for Medical Education and Research, Albuquerque, NM, for Defense Nuclear Agency, Washington, DC. Report No. 3114T. 72 p.
- Yelverton JT, Richmond DR, Hicks W, Saunders K, Fletcher ER. 1975. "The relationship between fish size and their response to underwater blast." Report DNA 3677T prepared by Lovelace Foundation for Medical Education and Research for Director, Defense Nuclear Agency, Washington, DC.
- Young GA. 1991. Concise methods for predicting the effects of underwater explosions on marine life. Naval Surface Warfare Center, Dahlgren, Virginia. 13 p.
- Zelick R, Mann D, Popper AN. 1999. "Acoustic communication in fishes and frogs." In *Comparative Hearing: Fish and Amphibians*, eds. R.R. Fay and A.N. Popper, 363-411. New York: Springer-Verlag.

3.8 SEA TURTLES

- Arenas P, Hall M. 1992. The association of sea turtles and other pelagic fauna with floating objects in the eastern tropical Pacific Ocean. In M. Salmon and J. Wyneken, eds. *Proceedings of the Eleventh Annual Workshop on Sea Turtle Biology and Conservation*. NOAA Technical Memorandum NMFS-SEFSC-302. pp 7-10.
- Balazs GH. 1995. Status of sea turtles in the Central Pacific Ocean. In K.A. Bjorndal, ed. *Biology and conservation of sea turtles*. Rev. ed. Washington, D.C.: Smithsonian Institution Press. pp 243-252.
- Balazs, G.H. 1980. Synopsis of Biological Data on the Green Turtle in the Hawaiian Islands, NOAA Technical Memorandum NMFS-SWFC-7.
- Bane G. 1992. First report of a loggerhead sea turtle from Alaska. *Marine Turtle Newsletter*. 58:1-2.

- Bartol SM, Musick JA, Lenhardt ML. 1999. Auditory evoked potentials of the loggerhead sea turtle (*Caretta caretta*). *Copeia*. 1999:836-840.
- Bartol S.M. and D. Ketten. 2003. Auditory brainstem responses of multiple species of sea turtles. In: Gisiner R, editor. Environmental consequences of underwater sound (ECOUS) abstracts, 12–16 May 2003, San Antonio. Arlington, VA: Office of Naval Research; 2003. p. 29.
- Bartol S.M. and J.A. Musick. 2003. Sensory biology of sea turtles. In: Lutz PL, Musick JA, Wyneken J, editors. The biology of sea turtles, volume II. Boca Raton, FL: CRC Press. Pp. 79–102.
- Berkson H. 1967. Physiological adjustments to deep diving in the Pacific green turtle (*Chelonia myda sagassizii*). *Comparative Biochemistry and Physiology*. 21:507-524.
- Brill RW, Balazs GS, Holland KN, Chang RKC, Sullivan S, George J. 1995. Daily movements, habitat use, and submergence intervals of normal and tumor-bearing juvenile green turtles (*Chelonia mydas* L.) within a foraging area in the Hawaiian Islands. *Journal of Experimental Marine Biology and Ecology*. 185:203-218.
- Brueggeman JJ (ed). 1991. Oregon and Washington marine mammal and seabird surveys. OCS Study MMS 91-000 (contract 14-12-0001-30426). Pacific OCS Region, Minerals Mgmt. Serv., Los Angeles. U.S. Dept. Interior.
- Byles RA. 1988. Behavior and ecology of sea turtles from Chesapeake Bay, Virginia. PhD dissertation, College of William and Mary.
- Caribbean Conservation Corporation [CCC]. 2003. Sea turtles: An introduction. <http://www.ccturtle.org/overview.htm>.
- Carr A. 1952. Handbook of turtles: the turtles of the United States, Canada and Baja California. Comstock Publishing Associates, Ithac, New York.
- Carr A. 1987. New perspectives on the pelagic stage of sea turtle development. *Conservation Biology*. 1:103-121.
- Carr A. 1995. Notes on the behavioral ecology of sea turtles. In K.A. Bjorndal, ed. *Biology and conservation of sea turtles*. Rev. ed. Washington, D.C.: Smithsonian Institution Press. pp 19-26.
- Cliffton K, Cornejo DO, Felger RS. 1982. Sea turtles of the Pacific coast of Mexico. Pages 199-209 in K.A. Bjorndal ed., *Biology and Conservation of Sea Turtles*. Smithsonian Institution Press, Washington, D.C. 583 pp.
- Cornelius SE. 1982. Status of sea turtles along the Pacific coast of middle America. Pages 211-219 in K.A. Bjorndal ed., *Biology and Conservation of Sea Turtles*. Smithsonian Institution Press, Washington, D.C. 583 pp.
- Cornelius SE. 1995. Status of sea turtles along the Pacific coast of Middle America. Pages 211-219 in K.A. Bjorndal, ed. *Biology and conservation of sea turtles*, revised edition. Washington, D.C.: Smithsonian Institution Press.
- Davenport J, Balazs GH. 1991. Fiery bodies—are pyrosomas an important component of the diet of leatherback turtles? *British Herpetological Society Bulletin*. 37:33-38.
- Department of Fisheries and Oceans. 2004. Review of Scientific Information on Impacts of Seismic Sound on Fish, Invertebrates, Marine Turtles and Marine Mammals. DFO Canadian Science Advisory Sec. Habitat Status Report 2004/002.

- Dohl TD, Bonnell ML, Guess RC, Briggs KT. 1983. Marine mammals and seabirds of central and northern California, 1980-1983: synthesis of findings. Prepared for the U.S. Department of the Interior, Minerals Management Service, Pacific OCS Region, Los Angeles, California. 248 pp.
- Dutton PH, McDonald DL. 1990a. Status of sea turtles in San Diego Bay, 1989-1990. Final report. Sea World Research Institute Technical Report #90-225.
- Dutton PH, McDonald DL. 1990b. Sea turtles present in San Diego Bay. In T.H. Richardson, J.I. Richardson, and M. Donnelly, eds. Proceedings of the Tenth Annual Workshop on Sea Turtle Biology and Conservation. NOAA Technical Memorandum NMFS-SEFC-278. pp 139-141.
- Eckert KL. 1987. Environmental unpredictability and leatherback sea turtle (*Dermochelys coriacea*) nest loss. *Herpetologica*. 43:315-323.
- Eckert KL. 1993. The biology and population status of marine turtles in the North Pacific Ocean. NOAA Technical Memorandum NMFS-SWFSC-186:1-156.
- Eckert KL. 1995. Anthropogenic threats to sea turtles. In K.A. Bjorndal, ed. Biology and conservation of sea turtles, Rev. ed. Washington, D.C.: Smithsonian Institution Press. pp 611-612.
- Eckert KL, Eckert SA. 1988. Pre-reproductive movements of leatherback sea turtles (*Dermochelys coriacea*) nesting in the Caribbean. *Copeia*. 1988:400-406.
- Eckert KL, Luginbuhl C. 1988. Death of a giant. *Marine Turtle Newsletter*. 43:2-3.
- Eckert SA. 2002. Distribution of juvenile leatherback sea turtle *Dermochelys coriacea* sightings. *Marine Ecology Progress Series*. 230:289-293.
- Eckert SA, Nellis DW, Eckert KL, Kooyman GL. 1986. Diving patterns of two leatherback sea turtles (*Dermochelys coriacea*) during internesting intervals at Sandy Point, St. Croix, U.S. Virgin Islands. *Herpetologica*. 42:381-388.
- Eckert SA, Liew HC, Eckert KL, Chan EH. 1996. Shallow water diving by leatherback turtles in the South China Sea. *Chelonian Conservation and Biology*. 2:237-243.
- Ernst CH, Lovich JE, Barbour RW. 1994. Turtles of the United States and Canada. Washington, D.C.: Smithsonian Institution Press.
- Fritts TH. 1981. Pelagic feeding habits of turtles in the eastern Pacific. *Marine Turtle Newsletter*. 17:1.
- Fritts TH, Reynolds RP. 1981. Pilot study of the marine mammals, birds and turtles in OCS areas of the Gulf of Mexico. U.S. Fish and Wildlife Service Office of Biological Services FWS/OBS-81/36. 139pp.
- Fritts TH, Stinson ML, Márquez-M R. 1982. Status of sea turtle nesting in southern Baja California, Mexico. *Bulletin of the Southern California Academy of Sciences*. 81:51-60.
- Gooding RM, Magnuson JJ. 1967. Ecological significance of a drifting object to pelagic fishes. *Pacific Science*. 21:486-497.
- Goertner JF. 1982. Prediction of underwater explosion safe ranges for sea mammals. Report NSWC/WOL TR 82-188. Silver Spring, MD: Naval Ordnance Laboratory.
- Guess RC. 1981a. A Pacific Loggerhead captured of California's northern Channel Islands. *Herpetological Review*. 12:15.

- Guess RC. 1981b. Occurrence of a Pacific loggerhead turtle, *Caretta caretta gigas* Deraniyagala, in the waters off Santa Cruz, California. California Fish Game Notes. 68:122-123.
- Hartog JC, van Nierop MM. 1984. A study on the gut contents of six leathery turtles, *Dermochelys coriacea* (Linnaeus) (Reptilia: Testudines: Dermochelyidae) from British waters and from the Netherlands. Zoologische Verhandelingen 209:1-36 J. C. den Hartog, Rijksmuseum van Natuurlijke Historie, Postbus 9517, 2300 RA Leiden, Nederland.
- Hasbun CR, Vasquez M. 1999. Sea turtles of El Salvador. Marine Turtle Newsletter. 85:7-9.
- Hays GC, Adams CR, Broderick AC, Godley BJ, Lucas DJ, Metcalfe JD, Prior AA. 2000. The diving behaviour of green turtles at Ascension Island. Animal Behaviour. 59:577-586.
- Hochscheid S, Godley BJ, Broderick AC, Wilson RP. 1999. Reptilian diving: Highly variable dive patterns in the green turtle *Chelonia mydas*. Marine Ecology Progress Series. 185:101-112.
- Hodge RP. 1982. *Caretta caretta gigas* (Pacific loggerhead) USA: Washington. Herpetology Review. 13:24
- Hodge RP, Wing BL. 2000. Occurrences of marine turtles in Alaska waters: 1960-1998. Herpetological Review. 31:148-151.
- Hubbs CL. 1977. First record of mating of ridley turtles in California, with notes on commensals, characters, and systematics. California Fish and Game. 63:263-267.
- Jessop TS, Knapp R, Limpus CJ, Whittier JM. 2002. Dynamic endocrine responses to stress: evidence for energetic constraints and status dependence of breeding in male green turtles. General Comparative Endocrinology. 126:59-67.
- Kalb H, Owens D. 1994. Differences between solitary and arribada nesting olive ridley females during the internesting period. In, K.A. Bjorndal, A.B. Bolten, D.A. Johnson, and P.J. Eliazar eds. Proceedings of the Fourteenth Annual Symposium on Sea Turtle biology and Conservation. NOAA Technical Memorandum NMFS-SEFSC-351. 323 pp.
- Ketten DR. 1998. Marine mammal auditory systems: A summary of audiometric and anatomical data and its implications for underwater acoustic impacts," NOAA-TM-NMFSSWFSC-256, Department of Commerce.
- Klima EF, Gitschlag GR, Renaud ML. 1988. Impacts of explosive removal of offshore petroleum platforms on sea turtles and dolphins. Marine Fisheries Review. 50:33-42.
- Klima, E.F., G.R. Gitschlag, and M.L. Renaud. 1994. Marine Fisheries Review. 50:33-42.
- Kopitsky K, Pitman RL, Plotkin P. 2000. Investigations on at-sea mating and reproductive status of olive ridleys, *Lepidochelys olivacea*, captured in the eastern tropical Pacific. Pp. 160-162. In: Kalb, H.J. and Wibbels, T. (compilers). Proceedings of the Nineteenth Annual Symposium on Sea Turtle Biology and Conservation. NOAA Technical Memorandum, NMFS-SEFSC-443.
- Lenhardt ML. 1994. Seismic and very low frequency sound induced behaviors in captive loggerhead marine turtles (*Caretta caretta*). Pages 238-241 in K.A. Bjorndal, A.B. Bolten, D.A. Johnson, and P.J. Eliazar, eds. Proceedings of the Fourteenth Annual Symposium on Sea Turtle Biology and Conservation. NOAA Technical Memorandum NMFS-SEFSC-351.
- Lenhardt ML, Bellmund S, Byles RA, Harkins SW, Musick JA. 1983. Marine turtle reception of bone-conducted sound. Journal of Auditory Research. 23:119-123.

- López-Castro MC, Nichols WJ, Orantes M. 2000. Olive ridley nesting in Baja California Sur, Mexico: Preliminary observations. In H. Kalb and T. Wibbels, eds. Proceedings of the Nineteenth Annual Symposium on Sea Turtle Biology and Conservation. NOAA Technical Memorandum NMFS-SEFSC-443. pp 273-4.
- Lutcavage ME, Lutz PL. 1997. Diving physiology. In P.L. Lutz and J.A. Musick, eds. The biology of sea turtles. Boca Raton, Florida: CRC Press. pp 277-296.
- Lux J, Reina R, Stokes L. 2003: Nesting activity of leatherback turtles (*Dermochelys coriacea*) in relation to tidal and lunar cycles at Playa Grande, Costa Rica. In *Proceedings of the Twenty-Second Annual Symposium on Sea Turtle Biology and Conservation Miami FL*. Edited by: Seminoff JA. NOAA Technical Memorandum NMFS-SEFSC-503,215-216.
- Márquez-M R. 1990. Sea turtles of the world. An annotated and illustrated catalogue of sea turtle species known to date. Rome: Food and Agriculture Organization of the United Nations.
- McEwen BS, Lashley EA. 2002. The end of stress as we know it. Washington, DC:Joseph Henry Press.
- Meylan A. 1995. Sea turtle migration—evidence from tag returns. In K.A. Bjorndal, ed. Biology and conservation of sea turtles, Rev. ed. Washington, D.C.: Smithsonian Institution Press. pp 91-100.
- Miller JD. 1997. Reproduction in sea turtles. Pages 51-81 in P.L. Lutz and J.A. Musick, eds. The biology of sea turtles. Boca Raton, Florida: CRC Press.
- Moein S.M. 1994. Auditory evoked potentials of the loggerhead sea turtle (*Caretta caretta*), MS thesis, College of William and Mary.
- Moein S.E., Musick J.A., and Lenhardt M.L. 1994. Auditory behavior of the loggerhead sea turtle (*Caretta caretta*). In: Bjorndahl KA, Bolten AB, Johnson DA, Eliazar PJ, Compilers, editors. Proceedings of the fourteenth annual symposium on sea turtle biology and conservation, National Oceanic and Atmospheric Administration, NOAA Technical Memo.
- Morreale SJ, Standora EA, Spotila JR, Paladino FV. 1996. Migration corridor for sea turtles. Nature. 384:319-320.
- Mortimer, J.A. 1995. Feeding ecology of sea turtles. Pages 103-109 in K.A. Bjorndal, ed. Biology and conservation of sea turtles, Rev. ed. Washington, D.C.: Smithsonian Institution Press.
- Musick JA, Limpus CJ. 1997. Habitat utilization and migration of juvenile sea turtles. In P.L. Lutz and J.A. Musick, eds. The biology of sea turtles. Boca Raton, Florida: CRC Press. pp 137-163.
- National Marine Fisheries Service [NMFS]. 2002. Annual report to Congress on the status of U.S. fisheries 2001. Silver Spring, Maryland: National Marine Fisheries Service. 142 pp.
- National Marine Fisheries Service and U.S. Fish and Wildlife Service [USFWS]. 1998a. Recovery plan for U.S. Pacific populations of the leatherback turtle (*Dermochelys coriacea*). Silver Spring, Maryland: National Marine Fisheries Service.
- National Marine Fisheries Service and U.S. Fish and Wildlife Service. 1998b. Recovery plan for U.S. Pacific populations of the East Pacific green turtle (*Chelonia mydas*). Silver Spring, Maryland: National Marine Fisheries Service.
- National Marine Fisheries Service and U.S. Fish and Wildlife Service. 1998c. Recovery plan for U.S. Pacific populations of the loggerhead turtle (*Caretta caretta*). Silver Spring, Maryland: National Marine Fisheries Service.

- National Marine Fisheries Service and U.S. Fish and Wildlife Service. 1998d. Recovery plan for U.S. Pacific populations of the olive ridley turtle (*Lepidochelys olivacea*). Silver Spring, Maryland: National Marine Fisheries Service.
- National Marine Fisheries Service and U.S. Fish and Wildlife Service. 1998e. Recovery plan for U.S. Pacific populations of the leatherback turtle (*Dermochelys coriacea*). Silver Spring, Maryland: National Marine Fisheries Service.
- NMFS and USFWS. 2007a. Green sea turtle (*Chelonia mydas*). 5-Year Review: Summary and evaluation. 105 pp.
- NMFS and USFWS. 2007b. Leatherback sea turtle (*Dermochelys coriacea*). 5-Year Review: Summary and evaluation. 81 pp.
- NMFS and USFWS. 2007c. Loggerhead sea turtle (*Caretta caretta*). 5-Year Review: Summary and evaluation. 67 pp.
- NMFS and USFWS. 2007d. Olive Ridley sea turtle (*Lepidochelys olivacea*). 5-Year Review: Summary and evaluation. 67 pp.
- National Oceanic and Atmospheric Administration [NOAA]. 2001. Final rule for the shock trial of the WINSTON S. CHURCHILL (DDG-81), Federal Register, Department of Commerce; NMFS, FR 66, No. 87, 22450-67.
- National Research Council. 1990. Decline of the sea turtles: Causes and prevention. Washington, D.C.: National Academy Press.
- National Research Council (NRC). 2003. Ocean Noise and Marine Mammals. Prepared by the Committee on Potential Impacts of Ambient Noise in the Ocean on Marine Mammals, Ocean Studies Board, Division on Earth and Life Studies. The National Academies Press: Washington D.C.
- Nichols WJ, Resendiz A, Mayoral-Rousseau C. 2000. Biology and conservation of loggerhead turtles (*Caretta caretta*) in Baja California, Mexico. Pages 169-171 in H. Kalb and T. Wibbels, eds. Proceedings of the Nineteenth Annual Symposium on Sea Turtle Biology and Conservation. NOAA Technical Memorandum NMFS-SEFSC-443.
- Okeefe, D.J. and G.A. Young. 1984. Handbook on the environmental effects of underwater explosions. Naval Surface Weapons Center, NSWC TR. 83-240. 209 pp.
- Oliver JA. 1946. An aggregation of Pacific sea turtles. Copeia. 2:103
- Parker DM, Dutton PH, Kopitsky K, Pitman RL. 2003. Movement and dive behavior determined by satellite telemetry for male and female olive ridley turtles in the Eastern Tropical Pacific. In J.A. Seminoff, ed. Proceedings of the Twenty-second Annual Symposium on Sea Turtle Biology and Conservation. NOAA Technical Memorandum NMFS-SEFSC-503. pp 48-9.
- Pitman RL. 1990. Pelagic distribution and biology of sea turtles in the Eastern Tropical Pacific. Pages 143-148 in T.H. Richardson, J.I. Richardson, and M. Donnelly, eds. Proceedings of the Tenth Annual Workshop on Sea Turtle Biology and Conservation. NOAA Technical Memorandum NMFS-SEFC-278.
- Pitman RL. 1992. Sea turtle associations with flotsam in the Eastern Tropical Pacific. Page 94 in M. Salmon and J. Wyneken, eds. Proceedings of the Eleventh Annual Workshop on Sea Turtle Biology and Conservation. NOAA Technical Memorandum NMFS-SEFSC-302.

- Plotkin PT, Byles RA, Owens DW. 1994. Post-breeding movements of male olive ridley sea turtles *Lepidochelys olivacea* from a nearshore breeding area. In: Bjorndal K.A., Bolton A.B., Johnson D.A., Eliazar P.J. (eds). Proc 14th Annual Symposium Sea Turtle Biol Conserv. NOAA Tech Memo NMFCSEFSC 351:119
- Polovina JJ, Howell E, Parker DM, Balazs GH. 2003. Dive-depth distribution of loggerhead (*Caretta caretta*) and olive ridley (*Lepidochelys olivacea*) sea turtles in the central North Pacific: Might deep longline sets catch fewer turtles? Fishery Bulletin. 101:189-193.
- Pritchard PCH. 1982. Nesting of the leatherback turtle, *Dermochelys coriacea* in Pacific Mexico, with a new estimate of the world population status. Copeia. 1982:741-747.
- Radovich J. 1961. Relationships of some marine organisms of the northeast Pacific Ocean to water temperatures, particularly during 1957 through 1959. California Cooperative Oceanic Fishery Investigation Reports. 7:163-71.
- Renaud ML, Carpenter JA. 1994. Movements and submergence patterns of loggerhead turtles (*Caretta caretta*) in the Gulf of Mexico determined through satellite telemetry. Bulletin of Marine Science. 55:1-15.
- Ridgway SH, Wever EG, McCormick JG, Palin J, Anderson JH. 1969. Hearing in the giant sea turtle, *Chelonia mydas*. Proceedings of the National Academy of Sciences. 64:884-890.
- Sarti-M L, Eckert SA, Garcia-T N, Barragan AR. 1996. Decline of the world's largest nesting assemblage of leatherback turtles. Marine Turtle Newsletter. 74:2-5.
- Seminoff JA. 2004. Marine turtle specialist group review: 2004 global status assessment, green turtle (*Chelonia mydas*). The World Conservation Union (IUCN), Species Survival Commission Red List Programme, Marine Turtle Specialist Group.
- Seminoff JA, Nichols WJ, Resendiz A, Brooks L. 2003. Occurrence of hawksbill turtles, *Eretmochelys imbricata* (Reptilia: Cheloniidae), near the Baja California Peninsula, Mexico. Pacific Science. 57:9-16.
- Snover M. 2005. Population trends and viability analyses for Pacific Marine Turtles. U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Pacific Islands Fishery Science Center Internal Report IR-05-008. Honolulu, Hawaii.
- Southwood AL, Andrews RD, Lutcavage ME, Paladino FV, West NH, George RH, Jones DR. 1999. Heart rates and diving behavior of leatherback sea turtles in the Eastern Pacific ocean. Journal of Experimental Biology. 202:1115-1125.
- Spotila J. 2004. Sea Turtles: A complete guide to their biology, behavior, and conservation. Baltimore, Maryland: The Johns Hopkins University Press and Oakwood Arts.
- Spotila JR, O'Connor MP, Paladino FV. 1997. Thermal biology. In P.L. Lutz and J.A. Musick, eds. The biology of sea turtles. Boca Raton, Florida: CRC Press. pp 297-314.
- Standora EA, Spotila JR, Keinath JA, Shoop CR. 1984. Body temperatures, diving cycles and movement of a subadult leatherback turtle, *Dermochelys coriacea*. Herpetologica. 40:169-176.
- Starbird CH, Baldrige A, Harvey JT. 1993. Seasonal occurrence of leatherback sea turtles (*Dermochelys coriacea*) in the Monterey Bay region, with notes on other sea turtles, 1986-1991. California Fish and Game. 79:54-62.
- Stinson ML. 1984. Biology of sea turtles in San Diego Bay, California, and in the northeastern Pacific Ocean. Master's thesis, San Diego State University.

- U.S. Department of the Navy [DoN]. 1998. Final environmental impact statement, shock testing the SEAWOLF submarine. U.S. Department of the Navy, Southern Division, Naval Facilities Engineering Command, North Charleston, SC, 637 pp.
- U.S. Department of the Navy. 2001. Final environmental impact statement, shock trial of the WINSTON S. CHURCHILL (DDG 81). NAVSEA. 597 pp.
- U.S. Department of Navy. 2005. Marine resource assessment for the Southern California operating area. Prepared for the Navy Commander, US Pacific Fleet. 574 pp.
- Viada, S.T., R.M. Hammer, R. Racca, D. Hannay, M.J. Thompson, B.J. Balcom, and N.W. Phillips. 2008. Review of potential impacts to sea turtles from underwater explosive removal of offshore structures. Environmental Impact Assessment Review. 28:267-285.
- Wever EG. 1978. The reptile ear: Its structure and function. Princeton University Press, Princeton, NJ. 1,024 pp.
- Whittow GC, Balazs GH. 1982. Basking behavior of the Hawaiian green turtle (*Chelonia mydas*). Pacific Science. 36:129-139.
- Wyneken J. 1997. Sea turtle locomotion: Mechanics, behavior, and energetics. Pages 165-198 in P.L. Lutz and J.A. Musick, eds. The biology of sea turtles. Boca Raton, Florida: CRC Press.

3.9 MARINE MAMMALS

- Abend, A.G., and T.D. Smith. 1999. Review of Distribution of the Long-finned Pilot Whale (*Globicephala melas*) in the North Atlantic and Mediterranean. NOAA Technical Memorandum NMFS-NE-117.
- Aburto, A., D.J., Roundry, and D.L. Danzer, 1997 Behavioral response of blue whales to active signals. Technical Report, Naval Command, Control and Ocean Surveillance Center, San Diego, CA.
- Allen, K.R. 1980. Conservation and Management of Whales. University of Washington Press, Seattle, USA.
- Aburto, A., D.J., Roundry, and D.L. Danzer, 1997 Behavioral response of blue whales to active signals. Technical Report, Naval Command, Control and Ocean Surveillance Center, San Diego, CA.
- Acevedo-Gutierrez, A, D.A. Croll and B.R. Tershy. 2002. High feeding costs limit dive time in the largest whales. Journal of Experimental Biology. 205:1747-1753.
- Addison, R. F., S. R. Kerr and J. Dale. 1973. Variation of organochlorine residue levels with age in Gulf of St. Lawrence harp seals. *Pagophilus groenlandicus*. Journal of the Fisheries Research Board of Canada. 30: 595-600.
- Addison, R. F. and W. T. Stobo. 2001. Trends in Organochlorine Residue Concentrations and Burdens in Grey Seals (*Halichoerus grypus*) from Sable Island, NS, Canada between 1974 and 1994. Environmental Pollution. 112(3): 505-513.
- Aguilar, A. 2000. Population biology, conservation threats and status of Mediterranean striped dolphins. *Stenella coeruleoalba*. Journal of Cetacean Research and Management. 2(1): 17-26.
- Aguilar, A., and S. Lens. 1981. Preliminary report on Spanish whaling activities. Rep. int. Whal. Commn. 31:639-643.
- Aguilar, N., M. Carrillo, I. Delgado, F. Diaz and A. Brito. 2000. Fast Ferries Impact on Cetacean in Canary Islands: Collisions and Displacement. European Cetacean Society 14th Annual Conference, Cork, Ireland.

- Andrade, A. L. V., M. C. Pinedo and A. S. Barreto. 2001. Gastrointestinal Parasites and Prey Items from a Mass Stranding of False Killer Whales, *Pseudorca crassidens*, in Rio Grande do Sul, Southern Brazil. *Revista Brasileira de Biologia*. 61:55-61.
- Andrew, R.K., B.M. Howe, and J.A. Mercer. 2002. Ocean ambient sound: Comparing the 1960s with the 1990s for a receiver off the California coast. *Journal of the Acoustic Society of America*. 3:65-70.
- Angliss, R. P., and R. B. Outlaw. 2007. Alaska marine mammal stock assessments, 2006. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-168, 244 p.
- Anonymous. 2002. Baffling boing identified. *Science*. 298:2125.
- ANSI. 1976. American National Standards Institute, Inc.. American National Standard Acoustical Terminology. New York.
- ANSI. 1992. Engineering Method for the Determination of Sound Power Levels of Noise Sources Using Intensity. ANSI-S12.12-1992.
- Antonelis, G.A. and C.H. Fiscus. 1980. The pinnipeds of the California Current. *CalCOFI Reports*. 21:68-78.
- Antonelis, G.A., B.S. Stewart, and W.F. Perryman. 1990 Foraging characteristics of female northern fur seals (*Callorhinus ursinus*) and California sea lions (*Zalophus californianus*). *Canadian Journal of Zoology*. 68:150-158.
- Appler, J., J. Barlow, and S. Rankin. 2004. Marine mammal data collected during the Oregon, California and Washington line-transect expeditions (ORCAWALE) conducted aboard the NOAA ships McArthur and David Starr Jordan, July-Dec 2001. NOAA Technical Memorandum NOAA-TM-NMFS-SWFSC-359. 28pp.
- Atkins, N. and S.L. Swartz (eds.). 1989. Proceedings of the workshop to review and evaluate whale watching programs and management needs, November 14-16, 1988, Monterey, CA. *Cent. Mar. Conserv., Washington, DC*. 53 p.
- Au, W.W.L. and D.A. Pawloski. 1989. A comparison of signal detection between an echolocating dolphin and an optimal receiver. *Journal of Comparative Physiology. A*. 164:451-458.
- Au, W. W. L. and Green, M. 2000. Acoustic interaction of humpback whales and whale-watching boats. *Marine Environmental Research* 49, 469-481.
- Au, W.W.L., J. Darling, and K. Andrews. 2001. High-frequency harmonics and source level of humpback whale songs. *Journal of the Acoustical Society of America*. 110(5):2770.
- Au, W.W.L., J.K.B. Ford, J.K. Horne, K.A. Newman Allman. 2004. Echolocation signals of free-ranging killer whales (*Orcinus orca*) and modeling of foraging for Chinook salmon (*Oncorhynchus tshawytscha*). *Journal of the Acoustical Society of America*. 115:901-909.
- Au, W.W.L, A.A. Pack, M.O. Lammers, L.H. Herman, M.H. Deakos, and K. Andrews. 2006. Acoustic properties of humpback whale songs. *Journal of the Acoustical Society of America*. 120:1103-1110.
- Au, W.W.L. 1993. *The sonar of dolphins*. Springer-Verlag, New York. 277 pp.
- Au, W.W.L. and D.A. Pawloski. 1989. A comparison of signal detection between an echolocating dolphin and an optimal receiver. *Journal of Comparative Physiology. A*. 164:451-458.

- Au, W.W.L., J.K.B. Ford, J.K. Horne, K.A. Newman Allman. 2004. Echolocation signals of free-ranging killer whales (*Orcinus orca*) and modeling of foraging for Chinook salmon (*Oncorhynchus tshawytscha*). *Journal of the Acoustical Society of America*. 115:901-909.
- Au, W.W.L., A.A. Pack, M.O. Lammers, L.H. Herman, M.H. Deakos, and K. Andrews. 2006. Acoustic properties of humpback whale songs. *Journal of the Acoustical Society of America*. 120:1103-1110.
- Augier, H. and e. al.. 2001. Evolution of the Metallic Contamination of the Striped Dolphins. *Stenella coeruleoalba*) on the French Mediterranean Coasts between 1990 and 1997. *Toxicological and Environmental Chemistry* 80(3-4): 189-201.
- AUTEC ER. 1995. Environmental Review for the Atlantic Undersea Test and Evaluation Center (AUTEC), Department of the Navy, Naval Undersea Warfare Center, Key West, FL.
- Awoodard, J. C., S. G. Zam, D. K. Caldwell and M. C. Caldwell. 1969. Some parasitic diseases of dolphins. *Pathologia Veterinaria* 6: 257-272.
- Babushina, E.S., G.L. Zaslavsky, and L.I. Yurkevich, 1991. Air and underwater hearing of the northern fur seal audiograms and auditory frequency discrimination. *Biofizika*. 36:904-907. (In Russian with English abstract).
- Babushina, E.S., G.L. Zaslavsky, and L.I. Yurkevich, 1991. Air and underwater hearing of the northern fur seal audiograms and auditory frequency discrimination. *Biofizika*. 36:904-907. (In Russian with English abstract).
- Baillie, J. and G. Groombridge (eds.). 1996. 1996 IUCN red list of threatened animals. IUCN, Gland, Switzerland. 368 pp.
- Baird, R.W. and P.J. Stacey. 1993. Sightings, Strandings and Incidental Catches of Short-Finned Pilot Whales, *Globicephala macrorhynchus*, off the British Columbia Coast. *Biology of Northern Hemisphere Pilot Whales*. G. P. Donovan, C. H. Lockyer and A. R. Martin. Cambridge, International Whaling Commission. 14: 475-479.
- Baird, R. W. and T. Guenther. 1995. Account of Harbour Porpoise. *Phocoena phocoena*) Strandings and Bycatches Along the Coast of British Columbia. *Reports of the International Whaling Commission Special Issue* 16:159-168.
- Baird, R. W., D. Nelson, J. Lien and D. W. Nagorsen. 1996. The status of the pygmy sperm whales, *Kogia breviceps*, in Canada. *Canadian Field-Naturalist*. 110:525-532.
- Baird, R.W., P.J. Stacey, D.A. Duffus, and K.M. Langelier. 2002. An evaluation of gray whale (*Eschrichtius robustus*) mortality incidental to fishing operations in British Columbia, Canada. *Journal of Cetacean Research and Management*. 4:289-296.
- Baker, C.S., L. Medrano-Gonzalez, J. Calambokidis, A. Perry, F. Pichler, H. Rosenbaum, J.M. Straley, J. Urban-Ramirez, M. Yamaguchi, and O. Von Ziegesar. 1998. Population structure of nuclear and mitochondrial DNA variation among humpback whales in the North Pacific. *Molecular Ecology*. 7:695-707.
- Baker, C.S. and P.J. Clapham. 2004. Modeling the past and future of whales and whaling. *Trends in Ecology and Evolution*. 19: 365-371.
- Baker, C.S., V. Lukoschek, S. Lavery, M.L. Dalebout, M. Yong-un, T. Endo and N. Funahashi. 2006. Incomplete reporting of whale, dolphin and porpoise 'bycatch' revealed by molecular monitoring of Korean markets. *Animal Conservation*. 9:474-482.

- Balcomb, K.C. and D.E. Claridge. 2001. A mass stranding of cetaceans caused by naval sonar in the Bahamas. *Bahamas Journal of Science*. 8:2-12.
- Barlow, J., 1994. Abundance of large whales in California coastal waters: a comparison of ship surveys in 1979/80 and in 1991. *Reports of the International Whaling Commission*. 44:399-406.
- Barlow J. 1995. The abundance of cetaceans in California waters. Part I: Ship surveys in summer and fall of 1991. *Fishery Bulletin*. 93:1-14.
- Barlow J. 1997. Preliminary estimates of cetacean abundance off California, Oregon and Washington based on a 1996 ship survey and comparisons of passing and closing modes. NMFS-SWFSC Admin. Rep. LJ-97-11. Southwest Fisheries Science Center, National Marine Fisheries Service, La Jolla, CA.
- Barlow, J. 1999. Trackline detection probability for long-diving whales. Pages 209-221 in G.W. Garner, S.C. Amstrup, J.L. Laake, B.F.J. Manly, L.L. McDonald, and D.G. Robertson, eds. *Marine mammal survey and assessment methods*. Brookfield, Vermont: A.A. Balkema.
- Barlow, J. 2003. Preliminary Estimates of the Abundance of Cetaceans along the U.S. West Coast: 1991-2001. Administrative Report LJ-03-03, available from Southwest Fisheries Science Center, 8604 La Jolla Shores Dr., La Jolla CA 92037. 31pp.
- Barlow, J., and B.L. Taylor. 2005. Estimates of sperm whale abundance in the northeastern temperate Pacific from a combined acoustic and visual survey. *Marine Mammal Science*. 21:429-445.
- Barlow, J. and R. Gisiner. 2006. Mitigating, monitoring and assessing the effects of anthropogenic sound on beaked whales. *Journal of Cetacean Management and Research*. 7: 239-249.
- Barlow, J. 2007. Recalculation of Southern California cetacean density estimates based on NMFS survey data through 2005. Unpublished report prepared by the NMFS-South West Fisheries Science Center for the Comander, Pacific Fleet, Department of the Navy.
- Barlow, J. 2007. Recalculation of Southern California cetacean density estimates based on NMFS survey data through 2005. Unpublished report prepared by the NMFS-South West Fisheries Science Center for the Comander, Pacific Fleet, Department of the Navy.
- Barlow, J. and K.A. Forney. 2007. Abundance and population density of cetaceans in the California Current ecosystem. *Fisheries Bulletin*. 105:509-526.
- Barlow J, Forney KA, Hill PS, Brownell Jr PS, Carretta JV, DeMaster DP, Julian F, Lowry MS, Ragen T, Reeves RR. 1997. U.S. Pacific Marine Mammal Stock Assessments: 1996. NOAA Technical Memorandum NMFS-SWFSC-248. Southwest Fisheries Science Center, National Marine Fisheries Service, La Jolla, CA.
- Barlow, J. and K.A. Forney. 2007. Abundance and population density of cetaceans in the California Current ecosystem. *Fisheries Bulletin*. 105:509-526.
- Barrett-Lennard, L.G., J.K.B. Ford, and K.A. Heise. 1996. The mixed blessing of echolocation: Differences in sonar use by fish-eating and mammal-eating killer whales. *Animal Behavior*. 51:553-565.
- Bartholomew, G.A., and C.L. Hubbs. 1960. Population growth and seasonal movements of the northern elephant seal, *Mirounga angustirostris* (1). *Mammalia*. 24:313-324.

- Bartholomew, G.A. and N.E. Collias. 1962. The role of vocalization in the social behavior of the northern elephant seal. *Animal Behaviour*. 10:7-14.
- Baumgartner, M.F., K.D. Mullin, L.N. May, and T.D. Leming. 2001. Cetacean habitats in the northern Gulf of Mexico. *Fishery Bulletin*. 99:219-239.
- Baumgartner, M.F. and B.R. Mate. 2003. Summertime foraging ecology of North Atlantic right whales. *Marine Ecology Progress Series*. 264:123-135.
- Baumgartner, M.F., S.M. Van Parijs, F.W. Wenzel, C.J. Tremblay, H.C. Esch, and A.M. Warde. 2008. Low frequency vocalizations attributed to sei whales (*Balaenoptera borealis*). *Journal of the Acoustic Society of America*. 124:1339–1349.
- Bazúa-Durán, C. and W.W.L. Au. 2002. The whistles of Hawaiian Spinner Dolphins. *Journal of the Acoustical Society of America*. 112:3064-3072.
- Beach, Douglas W., and Mason T. Weinrich. 1989. Watching the Whales: Is An Educational Adventure for Humans Turning Out to be Another Threat for Endangered Species? *Oceanus*. 32(1):84-88.
- Beamish, P. and E. Mitchell. 1973. Short pulse length audio frequency sounds recorded in the presence of a minke whale (*Balaenoptera acutorostrata*). *Deep-Sea Research*. 20:375-386.
- Becker, E.A. 2007. Predicting seasonal patterns of California cetacean density based on remotely sensed environmental data. University of California Santa Barbara. Ph.D. Dissertation. 303 pp.
- Bejder, L., A. Samuels, H. Whitehead, and N. Gales. 2006. Interpreting short-term behavioral responses to disturbance within a longitudinal perspective. *Animal Behaviour*. 72:1149-1158.
- Benoit-Bird, K.J. 2004. Prey caloric value and predator energy needs: foraging predictions for wild spinner dolphins. *Marine Biology*. 45:435–444.
- Benoit-Bird, K. J., W. W. L. Au, R. E. Brainard and M. O. Lammers. 2001. Diel horizontal migration of the Hawaiian mesopelagic boundary community observed acoustically. *Marine Ecology Progress Series*. 217:1-14.
- Benoit-Bird, K.J. and W.W.L. Au. 2003. Prey dynamics affect foraging by a pelagic predator (*Stenella longirostris*) over a range of spatial and temporal scales. *Behavioral Ecology and Sociobiology*. 53:364-373.
- Benson, S.R., D.A.Croll, B.B.Marinovic, F.P.Chavez, and J.T.Harvey. 2002. Changes in the cetacean assemblage of a coastal upwelling ecosystem during El Nino 1997-98 and La Nina 1999. *Progress in Oceanography*. 54:279-291.
- Beranek, L.L. 1986. *Acoustics*. American Institute of Physics, Inc., New York.
- Berman 2008. Working Group on Marine Mammal Unusual Mortality Events Annual Meeting August 2008.
- Bernard, H.J. and S.B. Reilly. 1999. Pilot whales *Globicephala Lesson*, 1828. Pages 245-279 in S.H. Ridgway and R. Harrison, eds. *Handbook of marine mammals*. Volume 6: The second book of dolphins and the porpoises. San Diego: Academic Press.
- Berzin, A.A. 1972. *The Sperm Whale*. Pacific Scientific Research Institute of Fisheries and Oceanography. Israel Program for Scientific Translations, Jerusalem. Available from the U. S. Dept. of Commerce, National Technical Information Service. Springfield, VA.

- Best, P.B. 1992. Catches of fin whales in the North Atlantic by the M.V. Sierra (and associated vessels). Rep. int. Whal. Commn. 42:697-700.
- Best, P.B. 1993. Increase rates in severely depleted stocks of baleen whales. ICES J. Mar. Sci. 50:169-186.
- Best, P.B., D.S. Butterworth, and L.H. Rickett. 1984. An assessment cruise for the South African inshore stock of Bryde's whales (*Balaenoptera edeni*). Reports of the International Whaling Commission. 34:403-423.
- Best, P.B., and C.H. Lockyer. 2002. Reproduction, growth and migrations of sei whales *Balaenoptera borealis* off the west coast of South Africa in the 1960s. South African Journal of Marine Science 24:111-133.
- Bigg, M.A. 1981. Harbour seal *Phoca vitulina* Linnaeus, 1758 and *Phoca largha* Pallas, 1811. Pages 1-27 in S.H. Ridgway and R. Harrison, eds. Handbook of marine mammals, Volume 2: Seals. San Diego: Academic Press.
- Bjørge A. 2002. How persistent are marine mammal habitats in an ocean of variability? Pages 63-91 in P.G.H. Evans and J.A. Raga, eds. Marine mammals: Biology and conservation. New York: Kluwer Academic/Plenum Publishers.
- Black, N. A., A. Schulman-Janiger, R. L. Ternullo, and M. Guerrero-Ruiz. 1997. Killer whales of California and western Mexico: a catalog of photo-identified individuals. U.S. Dep. Commer., NOAA Tech. Memo. NMFSSWFSC-247. 174 pp.
- Blackwell, S.B., J.W. Lawson, and M.T. Williams. 2004. Tolerance by ringed seals (*Phoca hispida*) to impact pipe-driving and construction sounds at an oil production island. Journal of the Acoustical Society of America. 15:2346-2357.
- Bonnell ML, Dailey MD. 1993. Marine mammals. In M. D. Dailey, D. J. Reish and J.W. Anderson, eds. Ecology of the Southern California Bight: A synthesis and interpretation. Berkeley: University of California Press. pp 604-681.
- Bowen WD, Beck CA, Austin DA. 2002. Pinniped ecology. In W.F. Perrin, B. Würsig, and J.G.M. Thewissen, eds. Encyclopedia of marine mammals. San Diego: Academic Press. pp 911-921.
- Bowles, A.E., M. Smultea, B. Wursig, D.P. DeMaster, and D. Palka. 1994. Relative abundance and behavior of marine mammals exposed to transmissions from the Heard Island Feasibility Test. Journal of the Acoustical Society of America. 96:2469-2484.
- Braun, R.C. 2005. Personal communication via email between Dr. Robert Braun, National Marine Fisheries Service, Pacific Island Fisheries Science Center, Honolulu, Hawaii, and Mr. Conrad Erkelens, U.S. Pacific Fleet, Fleet Environmental Office, Pearl Harbor.
- Brownell, R.L., P.J. Clapham, T. Miyashita, and T. Kasuya. 2001. Conservation status of North Pacific right whales. Journal of Cetacean Research and Management, Special Issue. 2:269-286.
- Buckland, S.T., D.R. Anderson, K.P. Burnham, and J.L. Laake. 1993. Distance sampling. Chapman and Hall: London. 446 p.
- Buckstaff, K.C. 2006. Effects of watercraft noise on the acoustic behavior of bottlenose dolphins, *Tursiops truncatus*, in Sarasota Bay, Florida. Marine Mammal Science. 20:709-725.

- Burtenshaw, J.C., E.M. Oleson, J.A. Hildebrand, M.A. McDonald, R.K. Andrew, B.M. Howe, and J.A. Mercer. 2004. Acoustic and satellite remote sensing of blue whale seasonality and habitat in the Northeast Pacific. *Deep-Sea Research II*. 51:967-986.
- Burgess, W.C., P.L. Tyack, B.J. Le Boeuf, and D.P. Costa. 1998. A programmable acoustic recording tag and first results from free-ranging northern elephant seals. *Deep-Sea Research II*. 45:1327-1351.
- Calambokidis, J., 1995. Blue whales off California. *Whalewatcher, Journal of the American Cetacean Society*. 29:3-7.
- Calambokidis, J., G.H. Steiger, J.C. Cubbage, K.C. Balcomb, C. Ewald, S. Kruse, R. Wells, and R. Sears, 1990. Sightings and movements of blue whales off central California, 1986–88 from photo-identification of individuals. *Reports of the International Whaling Commission, Special Issue 12:343-348*.
- Calambokidis, J., G.H. Steiger, and J. Barlow, 1993. Estimates of humpback and blue whale abundance along the U.S. west coast using mark-recapture of identified individuals. Abstract in *Abstracts of the 10th Biennial Conference on the Biology of Marine Mammals; 1993 November; Galveston, TX*. p. 34.
- Calambokidis, J., G.H. Steiger, J.R. Evenson, K.R. Flynn, K.C. Balcomb, D.E. Claridge, P. Bloedel, J.M. Straley, C.S. Baker, O. von Ziegesar, M.E. Dahlheim, J.M. Waite, J.D. Darling, G. Ellis, and G.A. Green. 1996. Interchange and isolation of humpback whales off California and other North Pacific feeding grounds. *Marine Mammal Science*. 12:215-226.
- Calambokidis, J. 1997. Humpback whales and the California - Costa Rica connection. *Whales. Journal of the Oceanic Society*. Fall 1997: 4-10.
- Calambokidis, J., G.H. Steiger, J.C. Cubbage, K.C. Balcomb, C. Ewald, S. Kruse, R. Wells, and R. Sears, 1990. Sightings and movements of blue whales off central California, 1986–88 from photo-identification of individuals. *Reports of the International Whaling Commission, Special Issue 12:343-348*.
- Calambokidis, J., G.H. Steiger, and J. Barlow, 1993. Estimates of humpback and blue whale abundance along the U.S. west coast using mark-recapture of identified individuals. Abstract in *Abstracts of the 10th Biennial Conference on the Biology of Marine Mammals; 1993 November; Galveston, TX*. p. 34.
- Calambokidis, J.; G.H. Steiger, J.M. Straley, L.M. Herman, S. Cerchio, D.R. Salden, J. Urbán R., J.K. Jacobsen, O. Von Ziegesar, K.C. Balcomb, C.M. Gabriele, M.E. Dahlheim, S. Uchida, G. Ellis, Y. Mlyamura, P. Ladrón de guevara P., M. Yamaguchi, F. Sato, S.A. Mizroch, L. Schlender, K. Rasmussen, J. Barlow. 2001. Movements and population structure of humpback whales in the North Pacific. *Marine Mammal Science*. 17:769–794.
- Calambokidis, J., E. Oleson, M. McDonald, B. Burgess, J. Francis, G. Marshall, M. Bakhtiari, and J. Hildebrand. 2003. Feeding and vocal behavior of blue whales determined through simultaneous visual-acoustic monitoring and deployment of suction-cap attached tags. Page 27 in *Abstracts, Fifteenth Biennial Conference on the Biology of Marine Mammals. 14–19 December 2003. Greensboro, North Carolina*.
- Calambokidis, J., E.A. Falcone, T.J. Quinn, A.M. Burdin, P.J. Clapham, J.K.B. Ford, C.M. Gabriele, R. LeDuc, D. Mattila, L. Rojas-Bracho, J.M. Straley, B.L. Taylor, J. Urbán R., D. Weller, B.H. Witteveen, M. Yamaguchi, A. Bendlin, D. Camacho, K. Flynn, A. Havron, J. Huggins, and N. Maloney. 2008. SPLASH: Structure of populations, levels of

- abundance and status of humpback whales in the North Pacific. Final report for Contract AB133F-03-RP-00078. Submitted to U.S. Dept of Commerce Western Administrative Center, Seattle, Washington. 57 pp.
- Carretta JV, Lowry MS, Stinchcomb CE, Lynn MS, Cosgrove RE. 2000. Distribution and abundance of marine mammals at San Clemente Island and surrounding offshore waters: Results from aerial and ground surveys in 1998 and 1999. Southwest Fisheries Science Center Administrative Report LJ-00-02. La Jolla, California: National Marine Fisheries Service.
- Carretta JV, Forney KA, Muto MM, Barlow J, Baker J, Lowry M. 2004. U.S. Pacific marine mammal stock assessments: 2003. NOAA Technical Memorandum NMFS-SWFSC-358. Southwest Fisheries Science Center, National Marine Fisheries Service, La Jolla, CA.
- Carretta JV, Forney KA, Muto MM, Barlow J, Baker J, Hanson B, Lowry MS. 2005. U.S. Pacific marine mammal stock assessments: 2005. NOAA Technical Memorandum NMFS-SWFSC-375. Southwest Fisheries Science Center, National Marine Fisheries Service, La Jolla, CA.
- Carretta JV, Forney KA, Muto MM, Barlow J, Baker J, Hanson B, Lowry MS. 2006. U.S. Pacific marine mammal stock assessments: 2005. NOAA Technical Memorandum NMFS-SWFSC-388. Southwest Fisheries Science Center, National Marine Fisheries Service, La Jolla, CA. 317 pp.
- Carretta JV, Forney KA, Muto MM, Barlow J, Baker J, Hanson B, Lowry MS. 2007. U.S. Pacific marine mammal stock assessments: 2006. NOAA-TM-NMFS-SWFSC-398. 321 pp.
- Carretta, J.V., K.A. Forney, M.S. Lowry, J. Barlow, J. Baker, B. Hanson, and M.M. Muto. 2007. U.S. Pacific Marine Mammal Stock Assessments: 2007. US Department of Commerce, NOAA Technical Memorandum, NMFS-SWFSC-414. 320 pp.
- Carretta, J.V., K.A. Forney, M.S. Lowry, J. Barlow, J. Baker, D. Johnston, B. Hanson, and M.M. Muto. 2008. U.S. Pacific Marine Mammal Stock Assessments: 2009. US Department of Commerce, NOAA Technical Memorandum, NMFS-SWFSC-Draft. 184 pp.
- Cerchio, S., J.K. Jacobsen, D.M. Cholewiak. 2005. Paternity in humpback whales, *Megaptera novaeangliae*: assessing polygyny and skew in male reproductive success. *Animal Behaviour*. 70: 267-277.
- Chapman, D. M.F. and D.D. Ellis. 1998. The Elusive Decibel: Thoughts on Sonars and Marine Mammals. *Canadian Acoustics*. 26:29-31.
- Charif, R.A., D.K. Mellinger, K.J. Dunsmore, K.M. Fristrup, C.W. Clark. 2002. Estimated source levels of fin whale (*Balaenoptera physalus*) vocalizations: adjustments for surface interference. *Marine Mammal Science*. 18(1):81-98.
- Chivers, S.J., R.G. LeDuc, and R.W. Baird. 2003. Hawaiian island populations of false killer whales and short-finned pilot whales revealed by genetic analysis. Page 32 in Abstracts, Fifteenth Biennial Conference on the Biology of Marine Mammals. 14-19 December 2003. Greensboro, North Carolina.
- Clapham, P.J. and J.G. Mead. 1999. *Megaptera novaeangliae*. *Mammalian Species*. 604:1-9.
- Clapham, P.J., L.S. Baraff, C.A. Carlson, M.A. Christian, D.K. Mattila, C.A. Mayo, M.A. Murphy and S. Pittman. 1993. Seasonal occurrence and annual return of humpback whales, *Megaptera novaeangliae*, in the southern Gulf of Maine. *Canadian Journal of Zoology*. 71:440-443.

- Clark, C.W. and K.M. Fristrup. 1997. Whales '95: A combined visual and acoustic survey of blue and fin whales off southern California. Reports of the International Whaling Commission. 47:583-600.
- Clark, C.W., P. Tyack., and W.T. Ellison, 1998. Quicklook/low-frequency sound scientific research program/Phase 1: Responses of blue and fin whales to SURTASS LFA, Southern California Bight, 5 September – 21 October, 1997. Report from Bioacoustics Research Program, Cornell University, Ithaca, NY; WHOI, Woods Hole, MA; and Marine Acoustics Inc., Middletown, RI. P. 36.
- Clark, C.W. and P.J. Clapham. 2004. Acoustic monitoring on a humpback whale (*Megaptera novaeangliae*) feeding ground shows continual singing into late spring. Proceedings of the Royal Society of London, Part B. 271:1051-1057.
- Clark, L.S., D.F. Cowan, and D.C. Pfeiffer. 2006. Morphological changes in the Atlantic bottlenose dolphin (*Tursiops truncatus*) adrenal gland associated with chronic stress. Journal of Comparative Pathology. 135:208-216.
- Clarke, M.R. 1996. Cephalopods as prey. III. Cetaceans. Philosophical Transactions of the Royal Society of London. 351:1053-1065.
- Connor, R. C. and M.R. Heithaus. 1996. Approach by great white shark elicits flight response in bottlenose dolphins. Marine Mammal Science. 12:602-606.
- Conner, R.C. 2000. Group living in whales and dolphins. IN: J. Mann, R.C. Conner, P.L. Tyack, and H. Whitehead, eds. Cetacean Societies: Field Studies of Dolphins and Whales. University of Chicago Press, Chicago. pp. 199-218.
- Cook, M.L.H., R.A. Varela, J.D. Goldstein, S.D. McCulloch, G.D. Bossart, J.J. Finneran, D. Houser, D.A. Mann. 2006. Beaked whale auditory evoked potential hearing measurements. Journal of Comparative Physiology A. 192:489-495.
- Corkeron PJ, Connor RC. 1999. Why do baleen whales migrate? Marine Mammal Science. 15:1228-1245.
- Corkeron, P.J. and A.R. Martin. 2004. Ranging and diving behaviour of two 'offshore' bottlenose dolphins, *Tursiops* sp., off eastern Australia. Journal of the Marine Biological Association of the United Kingdom. 84:465-468.
- Corkeron, P.J., and S.M. Van Parijs. 2001. Vocalizations of eastern Australian Risso's dolphins, *Grampus griseus*. Canadian Journal of Zoology. 79:160-164.
- Cosens, S. E. and L. P. Dueck. 1987. Responses of Migrating Narwhal and Beluga to Icebreaker Traffic at the Admiralty Inlet Ice-edge, N.W.T. in 1986. Ninth International Conference on Port and Ocean Engineering Under Arctic Conditions, Fairbanks, AK.
- Costa, D.P. 1993. The secret life of marine mammals: Novel tools for studying their behavior and biology at sea. Oceanography. 6:120-128.
- Costa, D.P., D.E. Crocker, J. Gedamke, P.M. Webb, D.S. Houser, S.B. Blackwell, D. Waples, S.A. Hayes, and B.J. Le Boeuf. 2003. The effect of a low-frequency sound source (acoustic thermometry of the ocean climate) on the diving behavior of juvenile northern elephant seals, *Mirounga angustirostris*. Journal of the Acoustical Society of America. 113:1155-1165.
- Craig, A.S., L.M. Herman, C.M. Gabriele, and A.A. Pack. 2003. Migratory timing of humpback whales (*Megaptera novaeangliae*) in the central North Pacific varies with age, sex and reproductive status. Behaviour. 140:981-1001.

- Craig, A.S., L.M. Herman, C.M. Gabriele, and A.A. Pack. 2003. Migratory timing of humpback whales (*Megaptera novaeangliae*) in the central North Pacific varies with age, sex and reproductive status. *Behaviour*. 140:981-1001.
- Crocker, D.E., D.P. Costa, B.J. Le Boeuf, P.M. Webb, and D.S. Houser. 2006. Impacts of El Niño on the foraging behavior of female northern elephant seals. *Marine Ecology Progress Series*. 309:
- Croll DA, Tershy BR, Hewitt RP, Demer DA, Fiedler PC, Smith SE, Armstrong W, Popp JM, Kiekhefer T, Lopez VR, Urban J, Gendron D. 1998. An integrated approach to the foraging ecology of marine birds and mammals. *Deep-Sea Research II*. 45:1353-1371.
- Croll, D.A., A. Acevedo-Gutiérrez, B.R. Tershy, and J. Urbán-Ramírez. 2001. The diving behavior of blue and fin whales: Is dive duration shorter than expected based on oxygen stores? *Comparative Biochemistry and Physiology, Part A* 129:797-809.
- Croll D.A., C.W. Clark., J. Calambokidis., W.T. Ellison., and B.R. Tershy. 2001b. Effect of anthropogenic low-frequency noise on the foraging ecology of Balaenoptera whales. *Animal Conservation*. 4:13-27.
- Croxall, J.P. and R.L. Gentry, eds. 1987. Status, biology, and ecology of fur seals. Proceedings of an international Symposium and Workshop, Cambridge, England, 23-27 April 1984. NOAA Technical Report NMFS. 51:1-212.
- Culik, B.M. 2002. Review on Small Cetaceans: Distribution, Behaviour, Migration and Threats, United Nations Environment Programme, Convention on Migratory Species. Marine Mammal Action Plan/Regional Seas Reports and Studies. No. 177: 343 pp.
- Cummings, W.C. 1985. Bryde's whale *Balaenoptera edeni* Anderson, 1878. Pages 137-154 in S.H. Ridgway and R. Harrison, eds. Handbook of marine mammals. Volume 3: The sirenians and baleen whales. San Diego: Academic Press.
- Curry, B.E. 1999. Stress in mammals: The potential influence of fishery-induced stress on dolphins in the eastern tropical Pacific Ocean. NOAA Technical Memorandum NOAA-TMNMFS-SWFSC-260: 1-121.
- Dahlheim, M.E., S. Leatherwood, and W.F. Perrin. 1982. Distribution of killer whales in the warm temperate and tropical eastern Pacific. Reports of the International Whaling Commission. 32:647-653.
- Dahlheim, M.E., and J.E. Heyning. 1999. Killer whale *Orcinus orca* (Linnaeus, 1758). Pages 281-322 in S.H. Ridgway and R. Harrison, eds. Handbook of marine mammals. Volume 6: The second book of dolphins and the porpoises. San Diego: Academic Press.
- Dalton, R. 2004. Push to protect whales leaves seafloor research high and dry. *Nature*. 428:681.
- Dammerman, K.W. 1924. On *Globicephala* and some other Delphinidae from the Indo-Australian Archipelago. *Treubia*. 5:340-352.
- Danil, K. and S.J. Chivers. 2005. Habitat-based spatial and temporal variability of life history characteristics of female common dolphins (*Delphinus delphis*) in the eastern tropical Pacific. Page 67 in Abstracts, Sixteenth Biennial Conference on the Biology of Marine Mammals. 12-16 December 2005. San Diego, California.
- Darling, J.D. and S. Cerchio. 1993. Movement of a humpback whale (*Megaptera novaeangliae*) between Japan and Hawaii. *Marine Mammal Science*. 9:84-91.

- Davis, R.W., G.S. Fargion, N. May, T.D. Leming, M. Baumgartner, W.E. Evans, L.J. Hansen, and K. Mullin. 1998. Physical habitat of cetaceans along the continental slope in the north-central and western Gulf of Mexico. *Marine Mammal Science*. 14:490-507.
- DeAlteris, J., L. Skrobe and C. Lipsky. 1999. The Significance of Seabed Disturbance by Mobile Fishing Gear Relative to Natural Processes: A Case Study in Narragansett Bay, Rhode Island. *Fish Habitat: Essential Fish Habitat and Rehabilitation*. L. R. Benaka. Bethesda, MD, American Fisheries Society, Symposium 22: 224-237.
- Deecke, V.B., P.J.B. Slater, and J.K.B Ford. 2002. Selective habituation shapes acoustic predator recognition in harbour seals. *Nature*. 420:171-173.
- DeMaster, D.P., C.W. Fowler, S.L. Perry, and M.F. Richlen. 2001. Predation and competition: The impact of fisheries on marine mammal populations over the next one hundred years. *Journal of Mammalogy*. 82:641-651.
- Department of the Navy. 1997. Environmental Impact Statement for Shock Testing the Seawolf Submarine.
- Department of the Navy. 1998. Point Mugu Sea Range marine mammal technical report. Point Mugu Sea Range Environmental Impact Statement/Overseas Environmental Impact Statement. Prepared by LGL Limited, Ogden Environmental and Energy Services, Naval Air Warfare Center Weapons Division, and Southwest Division Naval Facilities Engineering Command. 281 pp.
- Department of the Navy. 2001. Final Overseas Environmental Impact Statement and Environmental Impact Statement for Surveillance Towed Array Sensor System Low Frequency Active (SURTASS LFA) Sonar.
- Department of the Navy. 2001a. Environmental Impact Statement for the Shock Trial of the Winston S. Churchill, (DDG-81), Department of the Navy.
- Department of the Navy. 2002a. Point Mugu environmental impact statement/ overseas environmental impact statement. Naval Air Warfare Center, Weapons Division. 712 pp.
- Department of the Navy. 2002b. Marine resource assessment for the Cherry Point Operating Area. Contract Number N62470-95-D-1160. Prepared for the Commander, U.S. Atlantic Fleet, Norfolk, Virginia by Geo-Marine, Inc., Plano, Texas.
- Department of the Navy. 2003. Report on the results of the inquiry into allegations of marine mammal impacts surrounding the use of active sonar by USS SHOUP (DDG 86) in the Haro Strait on or about 5 May 2003. 9 February 2004.
- DoN. February 2004. Biological Assessment for Virtual At-Sea Training/Integrated Maritime Portable Acoustic Scoring & Simulator (VAST/IMPASS) System. Commander U.S. Fleet Forces Command, Norfolk, VA.
- Department of the Navy. 2005b. Draft Overseas Environmental Impact Statement/Environmental Impact Statement (OEIS/EIS), Undersea Warfare Training Range. Department of the Navy, Commander, U.S. Atlantic Fleet.
- Department of the Navy. 2005a. Marine resources assessment for the Southern California Operating Area. Prepared for the Pacific Division, Naval Facilities Engineering Command, Pearl Harbor, HI, by Geo-Marine, Inc., Plano, TX. Contract # N62470-02-D-9997, CTO 0025.
- DoN. 2006a. 2006 Supplement to the 2002 RIMPAC Programmatic Environmental Assessment. Department of the Navy, Commander, Third Fleet.

- Department of the Navy. 2006. Undersea Warfare Exercise (USWEX) EA/OEA. Department of the Navy, Commander, Third Fleet.
- Department of the Navy. 2007. Department Final Supplemental Environmental Impact Statement for Surveillance Towed Array Sensor System Low Frequency Active (SURTASS LFA) Sonar.
- Department of the Navy. 2008. Final Environmental Impact Statement/Overseas Environmental Impact Statement, Hawaii Range Complex. May 2008.
- Dailey MD, Anderson JW, Reish DJ, Gorsline DS. 1993. The Southern California Bight: background and setting. In M.D. Dailey, D.J. Reish, and J.W. Anderson, eds. Ecology of the Southern California Bight. Berkeley: University of California Press. pp 1-18.
- Dean, F.E., E.M. Jurasz, V.P. Palmer, E.H. Curby, and D.L. Thomas. 1985. Analysis of humpback whale (*Megaptera novaeangliae*) blow interval data/Glacier Bay Alaska, 1976-1979. Report from the University of Alaska, Fairbanks, AK, for the U.S. National Park Service, Anchorage, AK, 224 pp.
- Deecke, V. B., J. K. B. Ford, and P. J. B. Slater, 2005. The vocal behaviour of mammal-eating killer whales: Communicating with costly calls. *Animal Behaviour* 69:395-405.
- Dierauf, L.A. and F.M.D. Gulland. 2001. Marine Mammal Unusual Mortality Events. IN: L.A. Dierauf and F.M.D. Gulland, eds. Handbook of Marine Mammal Medicine. CRC Press, Boca Raton. pp. 69-81.
- Dietz, R., J. Teilmann, M.-P.H. Jørgensen, and M.V. Jensen. 2002. Satellite tracking of humpback whales in West Greenland. National Environmental Research Institute Technical Report 411:1-38. Copenhagen, Denmark: National Environmental Research Institute.
- Dobson, A. J. 2002. An introduction to generalized linear models. Second Edition. Chapman and Hall, CRC Press. Boca Raton, Florida.
- Dohl TP, Norris KS, Guess RC, Bryant JD, Honig MW. 1981. Summary of marine mammal and seabird surveys of the Southern California Bight area, 1975-1978. Volume III, Part II, Cetacea of the Southern California Bight. Report from the Center for Coastal and Marine Studies, University of California, Santa Cruz, CA, for U.S. Bureau of Land Management, Washington, DC. 414 pp. NTIS PB81-248189.
- Dohl, T.P., R.C. Guess, M.L. Duman, and R.C. Helm, 1983. Cetaceans of central and northern California, 1980-1983: status, abundance and distribution. OCS Study MMS 84-0045. Report from the Center for Marine Studies, University of California, Santa Cruz, CA, for U.S. Minerals Management Service, Pacific Region OCS, Los Angeles, CA. 284 pp. NTIS PB85-183861.
- Dohl TP, Bonnell ML, Ford RG. 1986. Distribution and abundance of common dolphin, *Delphinus delphis*, in the Southern California Bight: A quantitative assessment based upon aerial transect data. *Fishery Bulletin*. 84:333-343.
- Dolar, M.L.L., W.A. Walker, G.L. Kooyman and W.F. Perrin. 2003. Comparative feeding ecology of spinner dolphins (*Stenella longirostris*) and Fraser's dolphins (*Lagenodelphis hosei*) in the Sulu Sea. *Marine Mammal Science*. 19:1-19.
- Dolphin, W.F. 1987. Ventilation and dive patterns of humpback whales, *Megaptera novaeangliae*, on their Alaskan feeding grounds. *Canadian Journal of Zoology*. 65:83-90.

- Domingo, M., M. Vilafranca, J. Vista, N. Prats, A. Trudgett, and I. Visser. 1992. Pathologic and immunocytochemical studies of morbillivirus infection in striped dolphin *Stenella coeruleoalba*. *Veterinary Pathology* 29:1-10.
- Domjan M. 1998. The principles of learning and behavior, 4th ed. New York: Brooks Cole.
- Donovan, G.P. 1991. A review of IWC stock boundaries. Reports of the International Whaling Commission, Special Issue. 13:39-63.
- Dorsey, E. M. 1983. Exclusive adjoining ranges in individually identified minke whales (*Balaenoptera acutorostrata*) in Washington state. *Canadian Journal of Zoology*. 61:174-181.
- Drouot V, Gannier A, and J.C. Goold. 2004. Diving and feeding behaviour of sperm whale (*Physeter macrocephalus*) in the northwestern Mediterranean Sea. *Aquat Mamm* 30: 419-426.
- Dudok van Heel, W.H. 1966. Navigation in Cetaceans. IN: K.S. Norris, eds. Whales, Dolphins, and Porpoises. University of California Press, Berkeley, CA. pp. 597-606.
- Dunn, J.L., J.D. Buck, and T.R. Robeck. 2001. Bacterial diseases of cetaceans and pinnipeds. IN: L.A. Dierauf and F.M.D. Gulland, eds. CRC Handbook of Marine Mammal Medicine. CRC Press, Boca Raton, FL.
- D'Vincent C.G., R.M. Nilson, RE. Hanna. (1985) Vocalization and coordinated feeding behavior of the humpback whale in southeast ska. *Sci Rep Whales Res Inst Tokyo* 36:41-47.
- Edds, P.L. 1982. Vocalisations of the blue whale, *Balaenoptera musculus* in the St. Lawrence River. *J. Mammal*. 63:345-7.
- Edds, P.L. 1988. Characteristics of finback *Balaenoptera physalus* vocalizations in the St. Lawrence Estuary. *Bioacoustics* 1: 131-149.
- Edds, P.L.; T.J. MacIntyre, and R. Naveen. 1984. Notes on a sei whale (*Balaenoptera borealis* Lesson) sighted off Maryland". *Cetus* 5: 4-5.
- Edds, P.L. and J.A.F. Macfarlane. 1987. Occurrence and general behavior of balaenopterid cetaceans summering in the St. Lawrence Estuary, Canada. *Bioacoustics*. 1:131-149.
- Edds-Walton, P. L. 1997. Acoustic communication signals of mysticete whales. *Bioacoustics* 8, 47-60.
- Eguchi T, and J.T. Harvey. 2005. Diving behavior of the Pacific harbor seal (*Phoca vitulina richardii*) in Monterey Bay, California. *Mar Mamm Sci* 21:283-295.
- Dorsey, E. M. 1983. Exclusive adjoining ranges in individually identified minke whales (*Balaenoptera acutorostrata*) in Washington state. *Canadian Journal of Zoology*. 61:174-181.
- Engelhard, G.H., S.M.J.M. Brasseur, A.J. Hall, H.R. Burton, and P.J.H. Reijnders. 2002. Adrenocortical responsiveness in southern elephant seal mothers and pups during lactation and the effect of scientific handling. *Journal of Comparative Physiology – B*. 172:315-328.
- Erbe, C. 2000. Detection of whale calls in noise: Performance comparison between a beluga whale, human listeners, and a neural network. *Journal of the Acoustical Society of America*. 108:297-303.

- Erbe, C. 2002. Underwater noise of whale-watching boats and potential effects on killer whales (*Orcinus orca*), based on an acoustic impact model. *Marine Mammal Science* 18:394-418.
- Estes, J.A., M.T. Tinker, T.M. Williams, and D.F. Doak. 1998. "Killer whale predation on sea otters linking oceanic ecosystems." *Science* 282: 473-476.
- Estes, J. A. and R.J. Jameson. 1988. A double-survey estimate for sighting probability of sea otters in California. *J. Wildl. Manage.* 52:70-76.
- Estes, J.A., and J.L. Bodkin. 2002. Otters. In *Encyclopedia of Marine Mammals* (W.F. Perrin, B. Wursig, and J.G.M. Thewissen, ed.). Academic Press, San Diego, California, p. 842-858.
- Estes, J.A., B.B. Hatfield, K. Ralls and J. Ames. 2003. Causes of mortality in California sea otters during periods of population growth and decline. *Marine Mammal Science*. 19:198-216.
- Etnoyer, P., D. Canny, B. Mate, and L. Morgan, 2004. Persistent pelagic habitats in the Baja California to Bering Sea (B2B) Ecoregion. *Oceanography*. 17:90-101.
- Etnoyer, P., D. Canny, B. Mate, L. Morgan, J. Ortega-Otiz and W. Nichols. 2006. Sea-surface temperature gradients across blue whale and sea turtle foraging trajectories off the Baja California Peninsula, Mexico. *Deep-Sea Research II*. 43: 340-358.
- Evans, D.L. 2002. Report of the Workshop on Acoustic Resonance as a Source of Tissue Trauma in Cetaceans. Silver Spring, MD.
- Evans, D.L. and G. R. England. 2001. Joint interim report - Bahamas Marine Mammal Stranding - event of 15-16 March 2000. U.S. Department of Commerce; Secretary of the Navy, vi + 59 pp.
- Evans, D.L. and G.R. England. 2001. Joint Interim Report Bahamas Marine Mammal Stranding Event of 15-16 March 2000. Department of Commerce. 66 pp.
- Evans, D.L. and Miller, L.A. 2003. Proceedings of the Workshop on Active Sonar and Cetaceans. European Cetacean Society newsletter. No. 42 - Special Issue, Las Palmas, Gran Canaria.
- Evans, K., R. Thresher, R.M. Warneke, C.J.A. Bradshaw, M. Pook, D. Thiele and M.A. Hindell. 2005. Periodic variability in cetacean strandings: links to large-scale climate events. *Biology Letter*. 1:147-150.
- Evans, P.G.H, P. Anderwald & M.E. Baines 2003. UK Cetacean Status Review. Report to English Nature & Countryside Council for Wales. Sea Watch Foundation, Oxford, UK.
- Evans, W. E. 1971. Orientation Behavior of Delphinids: Radio-telemetric Studies. In: *Orientation: Sensory Basis*, H. E. Adler (ed.). *Annals, New York Acad. Sci.*, Vol. 188, pp. 142-160.
- Evans, W. E., 1994. Common dolphin, white-bellied porpoise *Delphinus delphis* Linnaeus, 1758. Pages 191-224 in S. H. Ridgway and R. Harrison, eds. *Handbook of marine mammals*. Volume 5: The first book of dolphins. San Diego: Academic Press.
- Fahlman, A., A. Olszowka, B. Bostrom, and D.R. Jones. 2006. Deep diving mammals: dive behavior and circulatory adjustments contribute to bends avoidance. *Respiratory Physiology and Neurobiology*. 153:66-77
- Fahner, M., J. Thomas, K. Ramirez, and J. Boehm. 2004. Echolocation in bats and dolphins. In *Acoustic Properties of Echolocation Signals by Captive Pacific White-Sided Dolphins (*Lagenorhynchus obliquidens*)*, edited by J. Thomas, C. Moss, and M. Vater, University of Chicago Press, Chicago.

- Fahy, F.J. 1995. Sound Intensity. E and FN Spon, London.
- Fay., R.R. 1988. Hearing in Vertebrates: a Psychophysics Databook. Hill-Fay Associates, Winnetka IL.
- Feldkamp, S.D., R.L. DeLong, and G.A. Antonelis. 1989. Diving patterns of California sea lions, *Zalophus californianus*. Canadian Journal of Zoology. 67:872-883.
- Feldkamp, S. D., R. L. DeLong, and G. A. Antonelis, 1991. Effects of El Niño 1983 on the foraging patterns of California sea lions (*Zalophus californianus*) near San Miguel Island, California. Pages 146-155 in Trillmich, F. and K. A. Ono, eds. Pinnipeds and El Niño: Responses to environmental stress. Berlin, Germany: Springer-Verlag.
- Feller, W. 1968. Introduction to probability theory and its application. Vol. 1. 3rd ed. John Wilay & Sons, NY, NY.
- Fernandez, A., Edwards, J.F., Roderiquez, F., Espinosa de los Monteros, A., Herraiez, P., Castro, P., Jaber, J.R., Martin, V., and Arbelo, M. 2005. Gas and fat embolic syndrome involving a mass stranding of beaked whales (Family *Ziphiidae*) exposed to anthropogenic sonar signals." Veterinary Pathology. 42:446-457.
- Ferguson, M.C. 2005. Cetacean population density in the Eastern Pacific ocean: Analyzing patterns with predictive spatial models. University of California San Diego, Scripps Institution of Oceanography. Ph.D. Dissertation. 221 pp.
- Ferguson M. C., Barlow J. 2001. Spatial distribution and density of cetaceans in the eastern tropical Pacific Ocean based on summer/fall research vessel surveys in 1986-1996. Southwest Fisheries Science Center Administrative Report LJ-01-04. La Jolla, California: National Marine Fisheries Service.
- Ferguson, M. C., J. Barlow, T. Gerrodette, and P. Fiedler, 2001. Meso-scale patterns in the density and distribution of ziphiid whales in the eastern Pacific Ocean. Pages 5-9 in Summary of the Workshop on the Biology and Conservation of Beaked Whales, Fourteenth Biennial Conference on the Biology of Marine Mammals. 28 November-3 December 2001. Vancouver, British Columbia.
- Ferguson, M. C. and J. Barlow. 2003. Addendum: Spatial distribution and density of cetaceans in the eastern tropical Pacific Ocean based on summer/fall research vessel surveys in 1986-96. Administrative Report LJ-01-04 (addendum), Southwest Fisheries Science Center, National Marine Fisheries Service, 8604 La Jolla Shores Drive, La Jolla, CA 92037.
- Ferguson, M. C., J. Barlow, S. B. Reilly, and T. Gerrodette. 2006. Predicting Cuvier's (*Ziphius cavirostris*) and Mesoplodon beaked whale population density from habitat characteristics in the eastern tropical Pacific Ocean. Journal of Cetacean Research and Management 7(3):287-299.
- Ferrero, R. C., Hodder, J. and Cesarone, J. 1994. Recent strandings of rough-toothed dolphins, *Steno bredanensis*, on the Oregon and Washington coasts. Marine Mammal Science 10(1):114-6.
- Ferrero, R. C. and W. A. Walker, 1995. Growth and reproduction of the common dolphin, *Delphinus delphis* Linnaeus, in the offshore waters of the North Pacific Ocean. Fishery Bulletin 93:483-494.
- Fiedler, P.C. 2002. Ocean environment. Pages 824-830 in W.F. Perrin, B. Würsig, and J.G.M. Thewissen, eds. Encyclopedia of marine mammals. San Diego: Academic Press.

- Fiedler, P. C. 2002. The annual cycle and biological effects of the Costa Rica Dome. *Deep-Sea Research I* 49:321–338
- Fiedler, P.C., S.B. Reilly, R.P. Hewitt, D. Demer, V.A. Philbrick, S. Smith, W. Armstrong, D.A. Croll, B.R. Tershy, and B.R. Mate, 1998. Blue whale habitat and prey in the California Channel Islands. *Deep-Sea Research II* 45:1781-1801.
- Field I.C, Hindell M.A, Slip D.J, and K. Michael. 2001. Foraging strategies of southern elephant seals (*Mirounga leonina*) in relation to frontal zones and water masses. *Antarct. Sci.* 13:371–379.
- Finneran, J.J. 2003. Whole-lung resonance in a bottlenose dolphin (*Tursiops truncatus*) and white whale (*Delphinapterus leucas*). *Journal of the Acoustical Society of America*. 114:529-535.
- Finneran, J.J., D.A. Carder, and S.H. Ridgway. 2001. Temporary threshold shift (TTS) in bottlenose dolphins *Tursiops truncatus* exposed to tonal signals. *Journal of the Acoustical Society of America*. 1105:2749(A), 142nd Meeting of the Acoustical Society of America, Fort Lauderdale, FL. December.
- Finneran, J.J., C.E Schlundt, R. Dear, D.A Carder, and S.H Ridgway. 2002. Temporary shift in masked hearing thresholds (MTTS) in odontocetes after exposure to single underwater impulses from a seismic watergun. *Journal of the Acoustical Society of America*. 111:2929-2940.
- Finneran, J.J., D.A. Carder, and S.H. Ridgway. 2003. Temporary threshold shift measurements in bottlenose dolphins *Tursiops truncatus*, belugas *Delphinapterus leucas*, and California sea lions *Zalophus californianus*. *Environmental Consequences of Underwater Sound (ECOUS) Symposium, San Antonio, TX, 12-16 May 2003*.
- Finneran, J.J., and C.E. Schlundt. 2004. Effects of intense pure tones on the behavior of trained odontocetes. *Space and Naval Warfare Systems Center, San Diego, Technical Document*. September.
- Finneran, J. J., D. A. Carder, C. E. Schlundt, and S. H. Ridgway, 2005. "Temporary threshold shift (TTS) in bottlenose dolphins (*Tursiops truncatus*) exposed to mid-frequency tones," *J. Acoust. Soc. Am.* 118, 2696-2705.
- Finneran, J. J. and D. S. Houser, 2006. Comparison of in-air evoked potential and underwater behavioral hearing thresholds in four bottlenose dolphins (*Tursiops truncatus*). *Journal of the Acoustical Society of America*. 119(5):3181-3192.
- Finneran, J. J., C. E. Schlundt, B. Branstetter, and R. L. Dear. 2007. Assessing temporary threshold shift in a bottlenose dolphin (*Tursiops truncates*) using multiple simultaneous auditory evoked potentials. *J. Acoust. Soc. Am.* 122:1249–1264.
- Fiedler, P.C. 2002. Ocean environment. Pages 824-830 in W.F. Perrin, B. Würsig, and J.G.M. Thewissen, eds. *Encyclopedia of marine mammals*. San Diego: Academic Press.
- Fish, J.F. and C.W. Turl. 1976. Acoustic source levels of four species of small whales. *Naval Undersea Center Report, NUC-TP 547*.
- Fitch, J.E. and R.L. Brownell. 1968. Fish otoliths in cetacean stomachs and their importance on interpreting food habits. *J. Fish. Res. Board Can.*, 25:2561–2574.
- Fletcher, S., B.J. Le Boeuf, D.P. Costa, P.L. Tyack, and S.B. Blackwell. 1996. Onboard acoustic recording from diving northern elephant seals. *Journal of the Acoustical Society of America*. 100:2531-2539.

- Food and Drug Administration, U.S. Department of Agriculture, and Centers for Disease Control and Prevention. 2001. Draft assessment of the relative risk to public health from foodborne *Listeria monocytogenes* among selected categories of ready-to-eat foods. Food and Drug Administration, Center for Food Safety and Applied Nutrition; U.S. Department of Agriculture, Food Safety and Inspection Service; and Centers for Disease Control and Prevention. Rockville, Maryland and Washington, D.C.
- Foote, A.D., R.W. Osborne, and A.R. Hoelzel. 2004. Whale-call response to masking boat noise. *Nature*. 910-910.
- Forcada J. 2002. Distribution. I W.F. Perrin, B. Würsig, and J.G.M. Thewissen, eds. *Encyclopedia of marine mammals*. San Diego: Academic Press. pp 327-333.
- Ford, J.K.B. 2002. Killer whale *Orcinus orca*. Pages 669-676 in W.F. Perrin, B. Würsig, and J.G.M. Thewissen, eds. *Encyclopedia of marine mammals*. San Diego: Academic Press.
- Forney, K. A. 1994. Recent information on the status of odontocetes in Californian waters. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SWFSC-202, 87 p.
- Forney, K.A. 1997. Patterns of variability and environmental models of relative abundance for California cetaceans. Ph.D. Thesis, University of California, San Diego.
- Forney, K. A. 2000. Environmental models of cetacean abundance: reducing uncertainty in population trends. *Conserv. Biol.* 14(5):1271-1286.
- Forney, K.A. 2007. Preliminary estimates of cetacean abundance along the U.S. west coast and within four national marine sanctuaries during 2005. NOAA Technical Memorandum NMFS. NOAA-TM-NMFS-SWFSC-406.
- Forney, K. A., J. Barlow, and J. V. Carretta. 1995. The abundance of cetaceans in California waters. Part II: Aerial surveys in winter and spring of 1991 and 1992. *Fish. Bull.* 93:1526.
- Forney, K. A., and J. Barlow. 1998. Seasonal patterns in the abundance and distribution of California cetaceans, 1991-1992. *Marine Mammal Science* 14(3):460-489.
- Forney K.A., J. Barlow, M.M. Muto, M. Lowry, J. Baker, G. Cameron, J. Mobley, C. Stinchcomb, and J.V. Carretta. 2000. U.S. Pacific marine mammal stock assessments: 2000. NOAA/TM/NMFS/SWFSC/300.
- Forney, K.A., D.J. St. Aubin and S.J. Chivers. 2002. Chase encirclement stress studies on dolphins involved in eastern tropical pacific ocean purse-seine operations during 2001. NMFS-SWFSC. Administrative Report LJ-02-32. 27 pp.
- Frankel, A.S. and C.W. Clark. 2002. Behavioral responses of humpback whales (*Megaptera novaeangliae*) to full-scale ATOC signals. *Journal of the Acoustical Society of America*. 108:1930-1937.
- Frankel, A.S. and C.W. Clark. 2002. ATOC and other factors affecting the distribution and abundance of humpback whales (*Megaptera novaeangliae*) off the north shore of Kauai. *Marine Mammal Science*. 18: 644-662
- Frantzis, A. 1998. Does acoustic testing strand whales? *Nature*. 392:29.
- Frantzis, A. and P. Alexiadou. 2008. Male sperm whale (*Physeter macrocephalis*) coda production and coda-type usage depend on the presence of conspecifics and the behavioral context. *Canadian Journal of Zoology*. 86:62-75.
- Frazer, L. N. and E. Mercado, 2000. A Model for humpback whale sonar, *IEEE. J. Ocean Eng.*, 25, 160-182.

- Freitas, L. 2004. The stranding of three Cuvier's beaked whales *Ziphius cavirostris* in Madeira archipelago- May 2000. European Cetacean Society Newsletter 42(Special Issue):28-32.
- Fristrup, K.M., L.T. Hatch, and C.W. Clark. 2003. Variation in humpback whale (*Megaptera novaeangliae*) song length in relation to low-frequency sound broadcasts. Journal of the Acoustical Society of America. 113:3411-3424.
- Fromm, D. 2004a. Acoustic Modeling Results of the Haro Strait For 5 May 2003. Naval Research Laboratory Report, Office of Naval Research, 30 January 2004.
- Fromm, D. 2004b. EEEL Analysis of U.S.S. SHOUP Transmissions in the Haro Strait on 5 May 2003. Naval Research Laboratory briefing of 2 September 2004.
- Gailey, G., B. Würsig, and T.L McDonald. 2007. Abundance, behavior, and movement patterns of western gray whales in relation to a 3-D seismic survey, Northeast Sakhalin Island, Russia. Environmental Monitoring and Assessment. 134:75-91.
- Gallo, R.J.P. and A.L.C. Figueroa. 1996. Size and weight of Guadalupe fur seals. Marine Mammal Science 12:318-321.
- Gallo-Reynoso, J. P. 1994. Factors affecting the population status of Guadalupe fur seal, *Arctocephalus townsendi* (Merriam, 1897), at Isla de Guadalupe, Baja California, Mexico. Ph.D. Dissertation, University of California, Santa Cruz, CA. 199 pp.
- Gallo-Reynoso, J. P. and A.L. Figueroa-Carranza. 1995. Occurrence of bottlenose whales in the waters of Isla Guadalupe, Mexico. Marine Mammal Science 11(4):573-575.
- Gambell, R. 1979. The blue whale. Biologist 26:209-215.
- Gambell, R. 1985. Sei whale *Balaenoptera borealis* Lesson, 1828. Pages 155-170 in S.H. Ridgway and R. Harrison (eds.), Handbook of marine mammals. Volume 3: The Sirenians and baleen whales. San Diego: Academic Press. 362 pp.
- Gannier, A. 2000. Distribution of cetaceans off the Society Islands (French Polynesia) as obtained from dedicated surveys. Aquatic Mammals. 26:111-126.
- Gannon, D.P., A.J. Read, J.E. Craddock, K.M. Fristrup, and J.R. Nicolas. 1997a. Feeding ecology of the long-finned pilot whale in the western North Atlantic. Mar. Ecol. Progr. Ser. 148:1-10.
- Garrigue, C. and J. Greaves, 2001. Cetacean records for the New Caledonian area (Southwest Pacific Ocean). Micronesica 34(1):27-33.
- Gaskin, D.E. 1982. The ecology of whales and dolphins. Portsmouth, New Hampshire: Heinemann.
- Gedamke, J., D.P. Costa, and A. Dunstan. 2001. Localization and visual verification of a complex minke whale vocalization. Journal of the Acoustical Society of America. 109:3038-3047.
- Gendron, D., and V. Zavala-Hernández. 1995. Blue whales of Baja California: a summary of their distribution and preliminary reproductive data based on photoidentification. P. 43 In: Proceedings of the Eleventh Biennial Conference on the Biology of Marine Mammals, Orlando, Florida (abstract). Society for Marine Mammalogy, Lawrence, KS.
- Gentry, R. 1998. Behavior and Ecology of the Northern Fur Seal. Princeton: Princeton University Press.
- Geraci, J. R. 1989. Clinical investigation of the 1987-88 mass mortality of bottlenose dolphins along the U.S. central and south Atlantic coast. Final report to the National Marine

- Fisheries Service, U. S. Navy, Office of Naval Research, and Marine Mammal Commission: 63.
- Geraci, J.R. and D.J. St. Aubin. 1987. Effects of parasites on marine mammals. *International Journal of Parasitology*. 17:407-414.
- Geraci, J.R. and V.J. Lounsbury. 1993. *Marine Mammals Ashore: A Field Guide for Strandings*. Texas A&M University Sea Grant College Program, Galveston, TX.
- Geraci, J.R., J. Harwood and V.J. Lounsbury. 1999. Marine Mammal Die-offs: Causes, Investigations, and Issues. IN: J.R. Twiss and R.R. Reeves, eds., *Conservation and Management of Marine Mammals*. Washington, DC, Smithsonian Institution Press: 367-395.
- Geraci, J. R. and V.J. Lounsbury. 2005. *Marine Mammals Ashore: A Field Guide for Strandings (Second Edition)* National Aquarium in Baltimore, Baltimore, MD.
- Gilmore, R.M. (1960) A census of the California gray whale. US Fish and Wildlife Service Special Scientific. Report. Fisheries, 342, 1–30
- Gjertz, I., Lydersen, C. and Ø. Wiig. 2001. Distribution and diving of harbour seals (*Phoca vitulina*) in Svalbard. *Polar Biol.* 24, 209–214.
- Goertner, J.F. 1982. Prediction of underwater explosion safe ranges for sea mammals. NSWC/WOL TR-82-188. Naval Surface Weapons Center, White Oak Laboratory, Silver Spring, MD. 25 pp.
- Goldbogen, J.A., J. Calambokidis, R.E. Shadwick, E.M. Oleson, M.A. McDonald, and J.A. Hildebrand. 2006. Kinematics of foraging dives and lunge-feeding in fin whales. *The Journal of Experimental Biology*. 209:1231-1244.
- Goldstein, T.2, J.A. K. Mazet, T.S. Zabka, G. Langlois, K.M. Colegrove, M. Silver, S. Bargu, F. Van Dolah, T. Leighfield, P.A. Conrad, J. Barakos, D.C. Williams, S. Dennison, M. Haulena, and F.M.D. Gulland. 2008. Novel symptomatology and changing epidemiology of domoic acid toxicosis in California sea lions (*Zalophus californianus*): an increasing risk to marine mammal health. *Proceedings of the Royal Society B*. 275:267–276.
- Goold, J.C. 1996. Acoustic assessment of populations of common dolphin, *Delphinus delphis*, in conjunction with seismic surveying. *Journal of the Marine Biological Association of the United Kingdom*. 76:811-820.
- Goold, J. C., 2000. A diel pattern in vocal activity of short-beaked common dolphins, *Delphinus delphis*. *Marine Mammal Science* 16(1):240-244.
- Goold, J.C. and Jones, S.E. 1995. Time and frequency domain characteristics of sperm whale clicks. *Journal of the Acoustical Society of America*. 98:1279-1291.
- Goold, J.C. and P. J. Fish. 1998. Broadband spectra of seismic survey air-gun emissions, with reference to dolphin auditory thresholds. *Journal of the Acoustical Society of America*. 103:2177-2184.
- Grachev, M.A. V.P. Kumarev, L.Mamaev, V.L. Zorin, L.V. Baranova, N.N. Denikina, S.I. Belikov, E.A. Petrov, V.S. Kolesnik, R.S. Kolesnik, V.M. Dorofeev, A.M.Beim, V.N. Kudelin, F.G. Nagieva, and V.N. Sidorov. 1989. Distemper virus in Baikal seals. *Nature* 338:209.
- Green, D.M. and J.A. Swets. 1974. *Signal Detection Theory and Psychophysics*. Robert E. Krieger Publishing, Huntington.

- Green, G. A., J. J. Brueggeman, R.A. Grotefendt, C.E. Bowlby, M.L. Bonnell, and K.C. Balcomb III, 1992. Cetacean distribution and abundance off Oregon and Washington, 1989-1990. Pages 1-1 to 1-100 in Brueggeman, J. J., ed. Oregon and Washington marine mammal and seabird surveys. OCS Study MMS 91- 0093. Los Angeles, California: Minerals Management Service.
- Greene, C. H. and A.J. Pershing, 2004. Climate and the conservation biology of North Atlantic right whales: The right whale at the wrong time? *Frontiers in Ecology and the Environment* 2(1):29-34.
- Gregr, E. J. and A.W. Trites, 2001. Predictions of critical habitat for five whale species in the waters of coastal British Columbia. *Canadian Journal of Fisheries and Aquatic Sciences* 58:1265-1285.
- Greig, D. J., F.M.D. Gulland and C. Kreuder. 2005. A decade of live California sea lion. (*Zalophus californianus*) strandings along the central California coast: Causes and trends, 1991-2000. *Aquatic Mammals* 31:11-22.
- Guinet, C., L.G. Barrett-Lennard, and B. Loyer, 2000. Co-ordinated attack behavior and prey sharing by killer whales at Crozet Archipelago: strategies for feeding on negatively-buoyant prey. *Marine Mammal Science*. 16:829-834.
- Gulland, F. M. D., M. Koski, L. J. Lowenstine, A. Colagross, L. Morgan, and T. Spraker, 1996. "Leptospirosis in California sea lions (*Zalophus californianus*) stranded along the central California coast, 1981-1994," *Journal of Wildlife Diseases* 32, 572-580.
- Gulland, F.M.D. and A.J. Hall. 2005. The Role of Infectious Disease in Influencing Status and Trends. IN: J.E. Reynolds III, W.F. Perrin, R.R. Reeves, S. Montgomery, T.J. Ragen. *Marine Mammal Research*. John Hopkins University Press, Baltimore. pp. 47-61.
- Gulland, F.M.D. 2006. Review of the Marine Mammal Unusual Mortality Event Response Program of the National Marine Fisheries Service. Report to the Office of Protected Resources, NOAA/National Marine Fisheries Service, Silver Springs, MD. 32 pp.
- Gunther, E.R. 1949. The habits of fin whales. *Discovery Reports*. 24:115-141.
- Hain, J. H. W., M.A.M. Hyman, R. D. Kenney, and H.E. Winn, 1985. The role of cetaceans in the shelf-edge region of the northeastern United States. *Marine Fisheries Review* 47(1):13-17.
- Hain, J. H. W., S.L. Ellis, R.D. Kenney, P.J. Clapham, B.K. Gray, M.T. Weinrich, and I.G. Babb, 1995. Apparent bottom feeding by humpback whales on Stellwagen Bank. *Marine Mammal Science* 11(4):464-479.
- Hamazaki, T, 2002. Spatiotemporal prediction models of cetacean habitats in the mid-western North Atlantic Ocean (from Cape Hatteras, North Carolina, U.S.A. to Nova Scotia, Canada). *Marine Mammal Science* 18(4):920-939.
- Hanan, D. A. 1996. Dynamics of Abundance and Distribution for Pacific Harbor Seal, *Phoca vitulina richardsi*, on the Coast of California. Ph.D. Dissertation, University of California, Los Angeles. 158pp.
- Hanggi, E.B. and R.J. Schusterman, 1994. Underwater acoustic displays and individual variation in male harbour seals, *Phoca vitulina*. *Animal Behaviour* 48:1275-1283.
- Hanni, K.D., D.J. Long, R.E. Jones, P. Pyles, and L.E. Morgan. 1997. Sightings and strandings of Guadalupe fur seals in central and northern California, 1988-1995. *J. of Mamm.*, 78:684-690.

- Hansen, L.J. 1990. California coastal bottlenose dolphins. In: S. Leatherwood and R.R. Reeves (eds.), *The Bottlenose Dolphin*, p. 403-420. Academic Press, Inc., San Diego.
- Hansen, L.J., K.D. Mullin, and C.L. Roden, 1994. Preliminary estimates of cetacean abundance in the northern Gulf of Mexico, and of selected cetacean species in the U. S. Atlantic Exclusive Economic Zone from vessel surveys. Contribution Number MIA-93/94-58. Miami: National Marine Fisheries Service. 11 pp.
- Hanson, M.B., and R.W. Baird. 1998. Dall's porpoise reactions to tagging attempts using a remotely-deployed suction-cup attached tag. *Marine Technology Society Journal* 32(2):18-23.
- Hanson, M.T., and R.H. Defran. 1993. The behavior and feeding ecology of the Pacific coast bottlenose dolphin, *Tursiops truncatus*. *Aquatic Mammals*. 19:127-142.
- Harvey, J.T. and B.R. Mate. 1984. Dive characteristics and movements of radio-tagged gray whales in San Ignacio Lagoon, Baja California Sur, Mexico. In: *The Gray Whale* M.L. Jones, S. Swartz and S. Leatherwood (eds.), Academic Press, pp. 561-575.
- Harwood, J. 2002. Mass Die-offs. IN: W.F. Perrin, B. Würsig and J.G.M. Thewissen. *Encyclopedia of Marine Mammals*. Academic Press, San Diego: pp. 724-726.
- Harwood, J., 2001. Marine mammals and their environment in the Twenty-First Century. *Journal of Mammalogy* 82(3):630-640.
- Hastie, G.D., R.J. Swift, et al. 2005. "Environmental models for predicting oceanic dolphin habitat in the Northeast Atlantic." *ICES Journal of Marine Science* 62: 760-770.
- Hastie, G.D., B. Wilson and P.M. Thompson. 2005. Diving deep in a foraging hotspot: acoustic insights into bottlenose dolphin dive depths and feeding behaviour. *Marine Biology*. 148:1181-1188.
- Haviland-Howell, G., A.S. Frankel, C.S. Powell, A. Bocconcelli, R.L. Herman, and L.S. Sayigh. 2007. Recreational boating traffic: A chronic source of anthropogenic noise in the Wilmington, North Carolina Intracoastal Waterway. *Journal of the Acoustical Society of America*. 122:151-160.
- Hayward, T.L. 2000. El Nino 1997-98 in the coastal waters of southern California: A timeline of events. *CalCOFI Rep.* 41:98-116.
- Heath, C.B. 2002. California, Galapagos, and Japanese sea lions *Zalophus californianus*, *Z. wollebaeki*, and *Z. japonicus*. Pp. 180-186 in W. F. Perrin, B. Wursig, and J. G. M. Thiewissen, eds. *Encyclopedia of marine mammals*. Academic Press.
- Heide-Jorgensen, M.P., R. Dietz, K.L. Laidre and P.R. Richard. 2002. Autumn movements, home ranges, and winter density of narwhals (*Monodon monoceros*) tagged in Tremblay Sound, Baffin Island. *Polar Biology* 25:342-349.
- Heimlich, S.L., D.K. Mellinger, S.L. Nieu Kirk, and C.G. Fox. 2005. Types, distribution, and seasonal occurrence of sounds attributed to Bryde's whales (*Balaenoptera edeni*) recorded in the eastern tropical Pacific, 1999-2001. *Journal of the Acoustical Society of America*. 118:1830-1837.
- Heise, K. 1997. Life history and population parameters of Pacific white-sided dolphins (*Lagenorhynchus obliquidens*). Report of the International Whaling Commission. 47: 817-825.
- Heithaus M.R., Marshall G.J., Buhleier B.M., Dill L.M. 2001. Employing Crittercam to study habitat use and behavior of large sharks. *Mar Ecol Prog Ser* 209:307-310

- Helweg, D.A., A.S. Frankel, J.R. Mobley, and L.H. Herman. 1992. Humpback whale song: Our current understanding. In J.A. Thomas, R.A. Kastelein and Y.A. Supin (eds.), *Marine mammal sensory systems*. Plenum, New York, NY. 773 pp.
- Henderson, D., E.C. Bielefeld, K.C. Harris, and B.H. Hu. 2006. The role of oxidative stress in noise-induced hearing loss. *Ear Hear.* 27:1-19.
- Hennessy, J. and S. Levine. 1979. Stress, arousal and the pituitary-adrenal system: a psychoendocrine model. *Prog. Psychobiol. Psychol.* 8, J. Sprague and A. Epstein (Eds.) Academic Press, New York.
- Hennessy, M.B., J.P. Heybach, J. Vernikos, and S. Levine. 1979. Plasma corticosterone concentrations sensitively reflect levels of stimulus intensity in the rat. *Physiology and Behavior.* 22:821-825.
- Herman, L.M., Forestell, P.H. & R.C. Antinaja. 1980. Study of the 1976/77 migration of humpback whales into Hawaiian waters: Composite description. Final report to the U.S. Marine Mammal Commission (Report No. MMC-77/19). United States National Technical Information Services, Arlington, VA.
- Hersh, S.L. and D.A. Duffield, 1990. Distinction between northwest Atlantic offshore and coastal bottlenose dolphins based on hemoglobin profile and morphometry. Pages 129-139 in Leatherwood, S. and R. R. Reeves, eds. *The bottlenose dolphin*. San Diego, California: Academic Press.
- Herzing, D.L., 1996. Vocalizations and associated underwater behavior of free-ranging Atlantic spotted dolphins, *Stenella frontalis* and bottlenose dolphins, *Tursiops truncatus*. *Aquatic Mammals* 22(2):61-79.
- Heyning, J.E. and T.D. Lewis. 1990. Entanglements of baleen whales in fishing gear of southern California, Report to the International Whaling Commission. 40:427-431.
- Heyning, J.E., and W.F. Perrin, 1994. Evidence for two species of common dolphins (genus *Delphinus*) from the eastern North Pacific. *Contributions in Science, Natural History Museum of Los Angeles County* 442:1-35.
- Heyning, J.E. and J.G. Mead, 1996. Suction feeding in beaked whales: Morphological and observational evidence. *Contributions in Science, Natural History Museum of Los Angeles County* 464:1-12.
- Hildebrand, J. 2004. Impacts of Anthropogenic Sound on Cetaceans, Report to the Scientific Committee of the International Whaling Commission, Sorrento, Italy.
- Hill, P.S. and E. Mitchell. 1998. Sperm whale interactions with longline vessels in Alaska waters during 1997. Unpubl. doc. Submitted to Fish. Bull. (available upon request - P. S. Hill, Alaska Fisheries Science Center, 7600 Sand Point Way, NE, Seattle, WA 98115).
- Hill, P.S. and J. Barlow. 1992. Report on a marine mammal survey of the California coast aboard the research vessel McARTHUR July 28 - November 5, 1991. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SWFSC-169.
- Hill, P.S., and D.P. DeMaster. 1998. Alaska marine mammal stock assessments, 1998. U.S. Dep. Commer., NOAA Tech. Memo NMFS-AFSC-97, 166 p.
- Hill, P.S., and D.P. DeMaster. 1999. Alaska marine mammal stock assessments, 1999. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-110, 166 pp.

- Hiruki, L.M., M.K. Schwartz, and P.L. Boveng. 1999. Hunting and social behaviour of leopard seals (*Hydrurga leptonyx*) at Seal Island, South Shetland Islands, Antarctica. *Journal of Zoology*. 249:97-109.
- Hobbs, R.C., & Rugh, D.J. 1999. The abundance of gray whales in the 1997/98 southbound migration in the eastern North Pacific. Paper SC/51/AS10 presented to the IWC Scientific Committee, May 1999 (unpublished). 13 p.
- Hoelzel, A.R., 2003. *Marine Mammal Biology: An Evolutionary Approach* (Blackwell Publishing, Malden MA)
- Hoelzel, A.R., E.M. Dorsey, and S.J. Stern, 1989. The foraging specializations of individual minke whales. *Animal Behaviour* 38:786-794.
- Hohn, A.A., D.S. Rotstein, C.A. Harms and B.L. Southall. 2006. Report on marine mammal unusual mortality event UMESE0501Sp: Multispecies mass stranding of pilot whales (*Globicephala macrorhynchus*), minke whale (*Balaenoptera acutorostrata*), and dwarf sperm whales (*Kogia sima*) in North Carolina on 15-16 January 2005: 222 pp.
- Hohn, A.A., D.S. Rotstein, C.A. Harms, and B.L. Southall, 2006b. "Multispecies mass stranding of pilot whales (*Globicephala macrorhynchus*), minke whale (*Balaenoptera acutorostrata*), and dwarf sperm whales (*Kogia sima*) in North Carolina on 15-16 January 2005," (Department of Commerce), p. 222.
- Hooker, S.K. and R.W. Baird. 1999. Deep-diving behaviour of the northern bottlenose whale, *Hyperoodon ampullatus* (Cetacean: Ziphiidae). *Proceedings of the Royal Society, London B*. 266:671-676.
- Hooker S.K., Boyd I.L., Jessop M., Cox O., Blackwell J., Boveng P.L., Bengtson J.L. 2002. Monitoring the prey-field of marine predators: combining digital imaging with data logging tags. *Mar Mamm Sci* 18(3):680-697
- Horwood, J. 1987. *The sei whale: Population biology, ecology and management*. London: Croom Helm.
- Horwood, J. 1990. *Biology and exploitation of the minke whale*. Boca Raton, Florida: CRC Press.
- Houck W.J. and T.A. Jefferson. 1999. Dall's porpoise - *Phocoenoides dalli* (True, 1885). In: *Handbook of Marine Mammals* (Ridgway SH, Harrison SR Eds.) Vol. 6: The second book of dolphins and porpoises. pp. 443 - 472.
- Houser, D.S., D.A. Helweg, and P.W.B. Moore. 2001. A bandpass filter-bank model of auditory sensitivity in the humpback whale. *Aquatic Mammals*. 27:82-91.
- Houser, D.S., Howard, R., and Ridgway, S. 2001. Can diving-induced tissue nitrogen supersaturation increase the chance of acoustically driven bubble growth in marine mammals?, *Journal of Theoretical Biology*. 213:183-195.
- Houser, D.S. and J.J. Finneran. 2006. A comparison of underwater hearing sensitivity in bottlenose dolphins (*Tursiops truncatus*) determined by electrophysiological and behavioral methods. *Journal of the Acoustical Society of America*, 120, 1713-1722.
- Houser, D.S. and Finneran, J.J. 2006. Variation in the hearing sensitivity of a dolphin population obtained through the use of evoked potential audiometry. *Journal of the Acoustical Society of America*. 120:4090-4099.
- Houser, D.S., A. Gomez-Rubio, and J.J. Finneran. 2008. Evoked potential audiometry of 13 Pacific bottlenose dolphins (*Tursiops truncatus gilii*). *Marine Mammal Science*. 24:28-41

- Huber, H.R. 1991. Changes in the distribution of California sea lions north of the breeding rookeries during the 1982-83 El Nino. In Pinnipeds and El Nino: responses to environmental stress (F. Trillmich and K. A. Ono, eds.) p. 129-137. Springer-Verlag, Berlin and Heidelberg, Germany.
- Hui, C. A., 1979. Undersea topography and distribution of dolphins of the genus *Delphinus* in the southern California Bight. *Journal of Mammalogy* 60:521-527.
- ICES, 2005a. Report of the Ad-hoc Group on the Impacts of Sonar on Cetaceans and Fish- 2nd edition. International Council for the Exploration of the Sea. ICES AGISC CM 2005/ACE:06. 25 pp.
- ICES. 2005b. Answer to DG Environment request on scientific information concerning impact of sonar activities on cetacean populations. International Council for the Exploration of the Sea. 5 pp.
- Ingebrigtsen, A. 1929. Whales caught in the North Atlantic and other seas. *Rapports et Procès-verbaux des réunions, Cons. Perm. Int. L'Explor. Mer*, Vol. LVI. Høst & Fils, Copenhagen. 26 pp.
- Ivashin, M. V. and L. M. Votrogov, 1981. Minke whales, *Balaenoptera acutorostrata davidsoni*, inhabiting inshore waters of the Chukotka coast. *Reports of the International Whaling Commission* 31:231.
- IWC (International Whaling Commission). 1980. Report of special meeting on Southern Hemisphere sei whales. *Rep. int. Whal. Commn* 30:493-511.
- IWC (International Whaling Commission), 1997. Report on the International Whaling Commission Workshop on Climate Change and Cetaceans. *Reports of the International Whaling Commission* 47:293-319.
- IWC (International Whaling Commission), 2005. Classification of the Order Cetacea (whales, dolphins and porpoises). *Journal of Cetacean Research and Management* 7(1):xi-xii.
- Jansen, G. 1998. Physiological effects of noise. In *Handbook of Acoustical Measurements and Noise Control*, 3rd Edition. New York: Acoustical Society of America.
- Jaquet, N. and H. Whitehead. 1996. Scale-dependent correlation of sperm whale distribution with environmental features and productivity in the South Pacific. *Marine Ecology Progress Series*. 135:1-9.
- Jaquet, N., H. Whitehead, and M. Lewis. 1996. Coherence between 19th century sperm whale distributions and satellite derived pigments in the tropical Pacific. *Marine Ecology Progress Series*. 145:1-10.
- Jaquet, N., S. Dawson, and E. Slooten. 2000. Seasonal distribution and diving behaviour of male sperm whales off Kaikoura: Foraging implications. *Canadian Journal of Zoology*. 78:407-419.
- Jefferson, T.A., S. Leatherwood, and M.A. Webber. 1993. *FAO species identification guide. Marine mammals of the world*. Rome: Food and Agriculture Organization of the United Nations.
- Jefferson, T.A., S. Leatherwood and M.A. Webber. 1994. *Marine Mammals of the World*. Food and Agriculture Organization of the United Nations and United Nations Environment Programme, Rome.
- Jefferson, T.A. and N. B. Barros, 1997. *Peponocephala electra*. *Mammalian Species* 553:1-6.

- Jefferson, T.A., S. K. Hung and P. K. S. Lam. 2006. Strandings, mortality and morbidity of Indo-Pacific humpback dolphins in Hong Kong, with emphasis on the role of organochlorine contaminants. *Journal of Cetacean Management and Research*. 8:181-193.
- Jefferson, T.A., D. Fertl, M. Michael, and T.D. Fagin. 2006. An unusual encounter with a mixed school of melon-headed whales (*Peponocephala electra*) and rough-toothed dolphins (*Steno bredanensis*) at Rota, Northern Mariana Islands. *Micronesica*. 38:239-244.
- Jeffries S.R, P.J. Gearin, H.R. Huber, D. Saul, and D.A. Pruett. 2000. Atlas of seal and sea lion haulout sites in Washington. Washington Department of Fish and Wildlife, Wildlife Science Division, 600 Capitol Way North, Olympia, WA. 150 p.
- Jensen, A.S. and G.K. Silber. 2004. Large whale ship strike database. NOAA Technical Memorandum NMFS-OPR-25, January 2004.
- Jepson, P. D., M. Arbelo, R.Deaville, I. A. P. Patterson, P. Castro, J. R. Bakers, E. Degollada, H. M. Ross, P. Herraez, A. M. Pocknell, F.Rodriguez, F. E. Howie, A. Espinosa, R. J. Reid, J. R. Jaber, V.Martin, A. A. Cunningham and A. Fernandez. 2003. Gas-bubble lesions in stranded cetaceans. *Nature*. 425:575-576.
- Jepson, P.D., Deaville, R., Patterson, I.A.P., Pocknell, A.M., Ross, H.M., Baker, J. R., Howie, F.E., Reid, R.J., Colloff, A. , and Cunningham, A.A. 2005. Acute and Chronic Gas Bubble Lesions in Cetaceans Stranded in the United Kingdom. *Veterinary Pathology*. 42:291-305.
- Johnson, C.S. 1971. Auditory masking of one pure tone by another in the bottlenosed porpoise. *Journal of the Acoustical Society of America*. 49:1317-1318.
- Johnson, J.H. and T.H. Woodley. 1998. A survey of acoustic harassment device (AHD) use in the Bay of Fundy, NB, Canada. *Aquatic Mammals*. 24:51-61.
- Johnson, M.P., P.T. Madsen, et al. 2004. Beaked whales echolocate on prey. *Proceedings of the Royal Society of London, B* 271(Supplement 6): S383-S386
- Johnson, M.P. and P.L. Tyack. 2003. A digital acoustic recording tag for measuring the response of wild marine mammals to sound. *IEEE Journal of Oceanic Engineering*, 28: 3-12.
- Jones, M.L. and S.L. Swartz. 2002. The Gray Whale (*Eschrichtius robustus*). Pp. 524-536. In: W.F. Perrin, B. Wursig, and J.G.M. Thewissen (Eds): *Encyclopedia of Marine Mammals*. Academic Press, San Diego.
- Jurasz, C.M. and V.P. Jurasz, 1979. Feeding modes of the humpback whale, *Megaptera novaeangliae*, in southeast Alaska. *Scientific Reports of the Whales Research Institute* 31:69-83.
- Kajimura, K. 1984. Opportunistic feeding of the northern fur seal, *Callorhinus ursinus*, in the eastern North Pacific Ocean and eastern Bering Sea. National Oceanic and Atmospheric Administration Technical Report NMFS SSRF-779.
- Kaschner, K., R. Watson, A.W. Trites, D. Pauly. 2006. Mapping worldwide distributions of marine mammals using a Relative Environmental Suitability (RES) model. *Marine Ecology Progress Series*. 316:285-310.
- Kastak, D., and R. J. Schusterman. 1996. Temporary threshold shift in a harbor seal (*Phoca vitulina*). *Journal of the Acoustical Society of America*. 100:1905-1908.
- Kastak, D., and R. J. Schusterman. 1998. Low-frequency amphibious hearing in pinnipeds: methods, measurements, noise, and ecology. *Journal of the Acoustical Society of America*. 103:2216-2228.

- Kastak, D., and R.J. Schusterman. 1999. In-air and underwater hearing sensitivity of a northern elephant seal (*Mirounga angustirostris*). *Canadian Journal of Zoology*. 77:1751-1758.
- Kastak, D., R. J. Schusterman, B. L. Southall, and C. J. Reichmuth. 1999a. Underwater temporary threshold shift induced by octave-band noise in three species of pinniped. *Journal of Acoustical Society of America*. 106:1142-1148.
- Kastak, D., and Schusterman, R.J. 2002. Changes in auditory sensitivity with depth in a free-diving California sea lion (*Zalophus californianus*). *Journal of the Acoustical Society of America*, 112:329-333.
- Kastak, D., B.L. Southall, R.J. Schusterman, and C.R. Kastak. 2005. Underwater temporary threshold shift in pinnipeds: effects of noise level and duration. *Journal of the Acoustical Society of America*. 118:3154-3163.
- Kastelein, R.A., D. de Haan, N. Vaughan, C. Staal, and N.M. Schooneman. 2001. The influence of three acoustic alarms on the behaviour of harbour porpoises (*Phocoena phocoena*) in a floating pen. *Marine Environmental Research*. 52:351-371.
- Kastelein, R.A., P. Bunskoek, and M. Hagedoorn. 2002a. Audiogram of a harbor porpoise (*Phocoena phocoena*) measured with narrow-band frequency-modulated signals. *Journal of the Acoustical Society of America*. 112:334-344.
- Kastelein, R.A., P. Mosterd, B.van Santen, and M.Hagedoorn. 2002b. Underwater audiogram of a Pacific walrus (*Odobenus rosmarus divergens*) measured with narrow-band frequency-modulated signals. *Journal of the Acoustical Society of America*. 112:2173-2182.
- Kastelein, R., M. Hagedoorn, W. W. L. Au, and D. De Haan, 2003. Audiogram of a striped dolphin (*Stenella coeruleoalba*). *Journal of the Acoustical Society of America* 113(2):1130-1137.
- Kastelein, R.A., R. van Schie, W.C. Verboom, and D. de Haan. 2005. Underwater hearing sensitivity of a male and a female Steller sea lion (*Eumetopias jubatus*). *Journal of the Acoustical Society of America*. 118, 1820-1829.
- Kastelein, R.A., W.C. Verboom, M. Muijsers, N.V. Jennings, and S.v.d. Heul. 2005. The influence of acoustic emissions for underwater data transmission on the behaviour of harbour porpoises (*Phocoena phocoena*) in a floating pen. *Marine Environmental Research*. 59:287-307.
- Kastelein, R., N. Jennings, W. Verboom, D. de Haan, and N.M. Schooneman. 2006a. Differences in the response of a striped dolphin (*Stenella coeruleoalba*) and a harbor porpoise (*Phocoena phocoena*) to an acoustic alarm. *Marine Environmental Research*. 61:363-378.
- Kastelein, R., S. van der Heul, W. Verboom, R.J.V. Triesscheijn, and N.V. Jennings. 2006b. The influence of underwater data transmission sounds on the displacement behaviour of captive harbour seals (*Phoca vitulina*). *Marine Environmental Research*. 61:19-39.
- Kasuya, T. 1991. Density-dependent growth in North Pacific sperm whales. *Mar. Mammal Sci*. 7: 230-257
- Kasuya, T. 1975. Past occurrence of *Globicephala melaena* in the western North Pacific. *Scientific Reports of the Whales Research Institute*. 27:95-110.
- Kasuya, T. 2002. Giant beaked whales *Berardius bairdii* and *B. arnuxii*. Pages 519-522 in W.F. Perrin, B. Würsig, and J.G.M. Thewissen, eds. *Encyclopedia of marine mammals*. San Diego: Academic Press.

- Kasuya, T. 2007. Japanese whaling and other cetacean fisheries. *Environmental Science and Pollution Research* 14:39-48.
- Kasuya, T., and S Ohsumi. 1984. Further analysis of the Baird's beaked whale stock in the western North Pacific. *Rep. Int. Whaling Comm.* 34:587-595.
- Kasuya, T., T. Miyashita, and F. Kasamatsu. 1988. Segregation of two forms of short-finned pilot whales off the Pacific Coast of Japan. *Scientific Reports of the Whales Research Institute.* 39:77-90.
- Kato, H. 2002. Bryde's whales *Balaenoptera edeni* and *B. brydei*. Pages 171 -176 in W.F. Perrin, B. Wursig, and J.G.M. Thewissen, eds. *Encyclopedia of Marine Mammals*. San Diego: Academic Press.
- Katona, S.K., and S.D. Kraus. 1999. Efforts to conserve the North Atlantic right whale. In *Conservation and Management of Marine Mammals*, eds. J.R. Twiss, Jr. and R.R. Reeves, 311–331. Washington, DC: Smithsonian Institution Press.
- Kawamura, A. (1980). Food habits of the Bryde's whales taken in the South Pacific and Indian Oceans. *Scientific Reports of the Whales Research Institute, Tokyo* 32: 1-23
- Keeler, J.S. 1976. Models for noise-induced hearing loss. In *Effects of Noise on Hearing*, ed. Henderson et al., 361–381. New York: Raven Press.
- Keenan, R.E. 2000. An Introduction to GRAB Eigenrays and CASS Reverberation and Signal Excess. Science Applications International Corporation, MA.
- Keiper, C.A., D.G. Ainley, S.G. Allen, and J.T. Harvey. 2005. Marine mammal occurrence and ocean climate off central California, 1986 to 1994 and 1997 to 1999. *Marine Ecology Progress Series.* 289, 285-306.
- Kennedy, S., T. Kuiken, P.D. Jepson, R. Deaville, M. Forsyth, T. Barrett, M.W.G. vande Bildt, A.D.M.E. Osterhaus, T. Eybatov, C. Duck, A. Kydyrmanov, I. Mitrofanov, and S. Wilson. 2000. Mass die-off of Caspian seals caused by canine distemper virus. *Emerging Infectious Diseases.* 6:637-639.
- Kennett, J.P. 1982. *Marine geology*. Englewood Cliffs, New Jersey: Prentice-Hall, Inc.
- Kenney, R.D., and H.E. Winn. 1987. Cetacean biomass densities near submarine canyons compared to adjacent shelf/slope areas. *Continental Shelf Research.* 7:107-114.
- Kenney, R.D., P.M. Payne, D.W. Heinemann, and H.E. Winn. 1996. Shifts in northeast shelf cetacean distributions relative to trends in Gulf of Maine/Georges Bank finfish abundance. Pages 169-196 in K. Sherman, N.A. Jaworski, and T.J. Smayda, eds. *The northeast shelf ecosystem: assessment, sustainability, and management*. Boston: Blackwell Science.
- Kenney, R.D., G.P. Scott, T.J. Thompson, and H.E. Winn, 1997. Estimates of prey consumption and trophic impacts of cetaceans in the USA Northeast Continental Shelf ecosystem. *Journal of Northwest Atlantic Fishery Science* 22:155-171.
- Kenyon, K. W. 1969. The sea otter in the Eastern Pacific Ocean. USDI, North Amer. Fauna No. 68. 352pp.
- Kenyon, K.W. 1975. *The sea otters of the eastern Pacific Ocean*. Dover Publications Inc., New York. 352pp.

- Ketten, D.R. 1992. The marine mammal ear: Specializations for aquatic audition and echolocation. Pages 717-750 in D. Webster, R. Fay, and A. Popper, eds. The evolutionary biology of hearing. Berlin: Springer-Verlag.
- Ketten, D.R. 1997. Structure and functions in whale ears. *Bioacoustics*. 8:103-135.
- Ketten, D.R. 1998. Marine mammal auditory systems: A summary of audiometric and anatomical data and its implications for underwater acoustic impacts. NOAA-TM-NMFS-SWFSC-256, Department of Commerce.
- Ketten, D.R. 2000. Cetacean ears. In *Hearing by Whales and Dolphins* (ed. W. Au, A. N. Popper and R. R. Fay), pp. 43-108. New York: Springer-Verlag.
- Ketten, D.R., J. Lien, and S. Todd. 1993. Blast injury in humpback whale ears: Evidence and implications (A). *Journal of the Acoustical Society of America*. 94:1849-1850.
- Kieckhefer, T.R., J. Calambokidis, G.H. Steiger, and N.A. Black. 1995. Prey of humpback and blue whales off California based on identification of hard parts in feces. P. 62 in: Abstracts Eleventh Biennial Conference on the Biology of Marine Mammals, Orlando, Florida, 14-18 December 1995. Society for Marine Mammalogy, Lawrence, KA.
- Kinsler, L.E. and A.R. Frey. 1962. *Fundamentals of Acoustics*. John Wiley and Sons, New York
- Kirshvink, J.L., A.E. Dizon, and J.A. Westphal. 1986. Evidence from strandings for geomagnetic sensitivity in cetaceans. *Journal of Experimental Biology*. 120:1-24.
- Kishiro, T. 1996. Movements of marked Bryde's whales in the western North Pacific. *Reports of the International Whaling Commission*. 46:421-428.
- Kiyota, M., N. Baba, and M. Mouri. 1992. Occurrence of an elephant seal in Japan. *Marine Mammal Science*. 8:433.
- Klatsky, L.J., R.S. Wells, and J.C. Sweeney. 2007. Offshore bottlenose dolphins (*Tursiops truncatus*): movement and dive behavior near the bermuda pedestal. *Journal of Mammalogy*. 88:59-66.
- Klinowska, M. 1985. Cetacean Live Stranding Sites Relate to Geomagnetic Topography. *Aquatic Mammals*. 11:27-32.
- Klinowska, M. 1986. Cetacean Live Stranding Dates Relate to Geomagnetic Disturbances. *Aquatic Mammals*. 11:109-119.
- Knowlton, A.R., and Kraus, S.D. 2001. Mortality and serious injury of northern right whales (*Eubalaena glacialis*) in the western North Atlantic Ocean. *Journal of Cetacean Research and Management (Special Issue)*. 2:193-208.
- Knowlton, A.R., C.W. Clark, and S.D. Kruse. 1991. Sounds recorded in the presence of sei whales, *Balaenoptera borealis*. Abstract. Ninth Biennial Conference on the Biology of Marine Mammals, Chicago, IL. pp. 76.
- Kompanje, E.J.O. 1995. On the occurrence of spondylosis deformans in white-beaked dolphins *Lagenorhynchus albirostris* (Gray, 1846) stranded on the Dutch coast. *Zoologische Mededelingen Leiden*. 69:231-250.
- Kooyman, G.L., D.D. Hammond, and J.P. Schroeder. 1970. Brochogramms and tracheograms of seals under pressure. *Science*. 169:82-84.
- Kopelman, A.H., and S.S. Sadove. 1995. Ventilatory rate differences between surface-feeding and nonsurface-feeding fin whales (*Balaenoptera physalus*) in the waters off eastern Long Island, New York, U.S.A., 1981-1987. *Marine Mammal Science*. 11:200-208.

- Koski, W.R., J.W. Lawson, D.H. Thomson, and W.J. Richardson. 1998. Point Mugu Sea Range marine mammal technical report. Point Mugu and San Diego: Naval Air Warfare Center, Weapons Division and Southwest Division, Naval Facilities Engineering Command.
- Kovacs, K.M. 2002. Hooded seal *Cystophora cristata*. Pages 580-582 in W.F. Perrin, B. Würsig, and J.G.M. Thewissen, eds. Encyclopedia of marine mammals. San Diego: Academic Press.
- Krafft, B. A., C. Lydersen, I. Gjertz, and K. M. Kovacs, 2002. Diving behaviour of sub-adult harbour seals (*Phoca vitulina*) at Prins Karls Forland, Svalbard. Polar Biology 25:230-234.
- Krausman, Paul R., Vernon C. Bleich, James W. Cain III, Thomas R. Stephenson, Don W. DeYoung, Philip W. McGrath, Pamela K. Swift, Becky M. Pierce, and Brian D. Jansen. 2004. From the Field: Neck lesions in ungulates from collars incorporating satellite technology. Wildlife Society Bulletin 32(3):987-991.
- Krieger, K.J., and B.L. Wing. 1986. Hydroacoustic monitoring of prey to determine humpback whale movements. USDC. NOAA Tech. Mem. NMFS F/NWC-98, Auke Bay, AK.
- Kruse, S., D.K. Caldwell, and M.C. Caldwell. 1999. Risso's dolphin *Grampus griseus* (G. Cuvier, 1812). Pages 183-212 in S.H. Ridgway and R. Harrison, eds. Handbook of marine mammals. Volume 6: The second book of dolphins and the porpoises. San Diego: Academic Press.
- Kryter, K.D. W.D. Ward, J.D. Miller, and D.H. Eldredge. 1966. Hazardous exposure to intermittent and steady-state noise. Journal of the Acoustical Society of America. 48:513-523.
- Kryter, K.D., Daniels, R., Fair, P., et al. (1965). Hazardous Exposure to Intermittent and Steady-State Noise. Report of Working Group 46, NAS-NRC Committee on Hearing, Bioacoustics, and Biomechanics (CHABA), ONR Contract NONR 2300(05).
- Laake, J.L., S.T. Buckland, D.R. Anderson, and K.P. Burnham. 1994. Distance. User's Guide V 2.1. Fort Collins: Colorado Cooperative Fish and Wildlife Research Unit.
- Laerm, J., F. Wenzel, J.E. Craddock, D. Weinand, J. McGurk, M.J. Harris, G.A. Early, J.G. Mead, C.W. Potter and N.B. Barros. 1997. New prey species for northwestern Atlantic humpback whales. Marine Mammal Science 13:705-711.
- Lafortuna, C. L., M. Jahoda, A. Azzellino, F. Saibene, and A. Colombini, 2003. Locomotor behaviours and respiratory pattern of the Mediterranean fin whale (*Balaenoptera physalus*). European Journal of Applied Physiology 90:387-395.
- Lagerquist, B.A., K.M. Stafford, and B.R. Mate. 2000. Dive characteristics of satellite-monitored blue whales (*Balaenoptera musculus*) off the central California coast. Marine Mammal Science. 16:375-391
- Laist, D.W., A.R. Knowlton, J.G. Mead, A.S. Collet and M. Podesta. 2001. Collisions between ships and whales. Marine Mammal Science. 17:35-75.
- Lambertsen, R.H. (1992). Crassicaudosis: a parasitic disease threatening the health and population recovery of large baleen whales. Scientific and Technical Review, Organisation Internationale d'Epyzoologie (OIE). 11:1131-11.
- Lammers M.O., W.W.L. Au, and D.L. Herzing. 2003. The broadband social acoustic signaling behavior of Spinner and Spotted Dolphins. Journal of the Acoustical Society of America. 114:1629-1639.

- Lance, M.M., S.A. Richardson, and H.L. Allen. 2004. Sea Otter Recovery Plan. Washington Department of Fish and Wildlife, Wildlife Program, 600 Capitol Way, N. Olympia, Washington 98501. 91pp.
- Laran, S., and A. Gannier. 2005. Spatio-temporal prediction of fin whales distribution in the Mediterranean Sea. 16th Biennial Conference on the Biology of Marine Mammals, San Diego, U.S.A., December 2005.
- Largier, J. L., C. J. Hearn, and D. B. Chadwick (1996). Density Structures in "Low Inflow Estuaries," in Buoyancy Effects on Coastal Estuarine Dynamics Coastal Estuarine Stud., vol. 53, edited by D. G. Aubrey and C. T. Friedrichs, pp 227-242, American Geophysical Union, Washington, D.C.
- Largier, J.L. 1995. San Diego Bay circulation--A study of the circulation of water in San Diego Bay for the purpose of assessing, monitoring and managing the transport and potential accumulation of pollutants and sediment in San Diego Bay. Final report. Interagency Agreement # 1-188-190-0. Prepared for the California State Water Resources Control Board and the California Regional Water Quality Control Board, San Diego Region.
- Larkman, V.E. and Veit, R.R. 1998 . Seasonality and abundance of blue whales off southern California. California Cooperative Oceanic Fisheries Investigations Reports.
- Laurinolli, M.H., A.E. Hay, F. Desharnais, and C.T. Taggart. 2003. Localization of North Atlantic right whale sounds in the Bay of Fundy using a sonobuoy array. Marine Mammal Science. 19:708-723.
- Le Boeuf B and D. Crocker. 2005. Ocean climate and seal condition. BMC (BioMed Central) Biol 3:9.
- Le Boeuf, B.J., R.J. Whiting, and R.F. Gannt. 1972. Perinatal behavior of northern elephant seal females and their young. Behaviour. 43:121-156.
- Le Boeuf, B.J. and M.L. Bonnell. 1980. Pinnipeds of the California islands: abundance and distribution. Pages 475-493 in D.M. Power (ed.), The California Islands: Proceedings of a multidisciplinary symposium. Santa Barbara Museum of Natural History, Santa Barbara, CA. 787 pp.
- Le Boeuf, B.J. and J. Reiter. 1991. Biological effects associated with El Nino Southern Oscillation, 1982-83m on northern elephant seals breeding at Ano Nuevo, California. IN: F. Trillmich and K.A. Ono, eds. Pinnipeds and El Nino: Responses to Environmental Stress, Springer-Verlag, Berlin. Pp. 206-218.
- Le Boeuf, B.J. and L.F. Petrinovich. 1974. Dialects of northern elephant seals, *Mirounga angustirostris*: Origin and reliability. Animal Behavior. 22:656-663.
- Le Boeuf, B.J. and M.L. Bonnell. 1980. Pinnipeds of the California islands: abundance and distribution. Pages 475-493 in D.M. Power (ed.), The California Islands: Proceedings of a multidisciplinary symposium. Santa Barbara Museum of Natural History, Santa Barbara, CA. 787 pp.
- Le Boeuf, B.J., D.E. Crocker, D.P. Costa, S.B. Blackwell, P.M. Webb, and D.S. Houser. 2000. Foraging ecology of northern elephant seals. Ecological Monographs. 70:353-382.
- Le Boeuf, B.J., Y. Naito, A.C. Huntley, and T. Asaga. 1989. Prolonged, continuous, deep diving by northern elephant seals. Canadian Journal of Zoology. 67:2514-2519.

- Learmonth, J.A., C.D. MacLeod, M.B. Santos, G.J. Pierce, H.Q.P. Crick and R.A. Robinson. 2006. Potential effects of climate change on marine mammals. *Oceanography and Marine Biology*. 44:431-464.
- Leatherwood, J. S. 1974. A Note on Gray Whale Behavioral Interactions with Other Marine Mammals. *Mar. Fish. Rev.* 36 (4):50-51.
- Leatherwood, S. 1975. Some Observations of Feeding Behavior of Bottle-Nosed Dolphins (*Tursiops truncatus*) in the Northern Gulf of Mexico and (*Tursiops cf. T. gilli*) off Southern California, Baja California, and Nayarit, Mexico. *Marine Fisheries Review* 37(9):10-16.
- Leatherwood, S., Gilbert, J. R., and D.G. Chapman, D. G. 1978. An evaluation of some techniques for aerial censuses of bottlenosed dolphins. *Journal of Wildlife Management* 42(2):239-250.
- Leatherwood, S. and W. A. Walker. 1979. The northern right-whale dolphin *Lissodelphis borealis* Peale in the eastern North Pacific. In: Winn, H. E. and B. L. Olla (eds.), *Behavior of Marine Mammals*, p. 85-141. Plenum Press, New York - London.
- Leatherwood, S., et al. 1980. Distribution and movements of Risso's dolphin, *Grampus griseus*, in the eastern North Pacific. *Fish. Bull.* 77:951-963
- Leatherwood, S., R.R. Reeves, W.F. Perrin, and W.E. Evans. 1982. Whales, Dolphins, and Porpoises of the Eastern North Pacific and adjacent Arctic Waters: A Guide to Their Identification. NMFS, NOAA, U.S. Dept. Commerce, NOAA Technical Report NMFS Circular 444.
- Leatherwood, S. and R. R. Reeves, 1983. *The Sierra Club handbook of whales and dolphins*. San Francisco, California: Sierra Club Books.
- Leatherwood, S., Balcomb, K. C., Matkin, C. O., and E. Ellis. 1984. Killer whales (*Orcinus orca*) of southern Alaska. *Hubbs/Sea World Research Institute Technological Report* (84-175), 1-59.
- Leatherwood, S., Kastelein, R.A. and Hammond, P.S. 1988a. Estimate of numbers of Commerson's dolphins in a portion of the northeastern Strait of Magellan, January-February 1984. *Rep. int. Whal. Commn (special issue 9)*:93-102.
- Leatherwood, S., R.R. Reeves, W.F. Perrin, and W.E. Evans. 1988b. Whales, dolphins, and porpoises of the eastern North Pacific and adjacent Arctic waters: A guide to their identification. New York: Dover Publications, Inc.
- Leatherwood, S., T.A. Jefferson, J.C. Norris, W.E. Stevens, L.J. Hansen, and K.D. Mullin. 1993. Occurrence and sounds of Fraser's dolphin (*Lagenodelphis hosei*) in the Gulf of Mexico. *Texas Journal of Science*. 45:349-354.
- LeDuc, R.G., W.L. Perryman, Gilpatrick, Jr., J.W., J. Hyde, C. Stinchcomb, J.V. Carretta, and R.L. Brownell. 2001. A note on recent surveys for right whales in the southeastern Bering Sea. *Journal of Cetacean Research and Management, Special Issue*. 2:287-289.
- Lee, T. 1993. Summary of cetacean survey data collected between the years of 1974 and 1985. NOAA Technical Memorandum NMFS-SWFSC-181. 85 pp.
- Lesage, V., C. Barrette, L.C.S. Kingsley, and B. Sjare. 1999. The effect of vessel noise on the vocal behavior of belugas in the St. Lawrence River estuary, Canada. *Marine Mammal Science*. 15:65-84.

- Littaye, A., A. Gannier, S. Laran, and J.P.F. Wilson. 2004. The relationship between summer aggregation of fin whales and satellite-derived environmental conditions in the northwestern Mediterranean Sea. *Remote Sensing of the Environment*. 90:44-52.
- Lowry, M.S. 2002. Counts of northern elephant seals at rookeries in the Southern California Bight - 1981-2001. NOAA-TM-NMFS-SWFSC-345. 68 pp.
- Lowry, M.S. and J.V. Carretta. 2003. Pacific harbor seal, *Phoca vitulina richardii*, Census in California during May-July 2002. NOAA-TM-NMFS-SWFSC-353. 55 pp.
- Lowry, M. S., and O. Maravilla-Chavez. 2005. Recent abundance of California sea lions in western Baja California, Mexico and the United States. In Proceedings 6th California Islands symposium, Ventura, California, U.S., December 1-3, 2003. Pp. 485-497. National Park Service Tech Publ. CHIS-05-01, Institute for Wildlife Studies, Arcata, CA.
- Lusseau, D. 2004. The hidden cost of tourism: Detecting long-term effects of tourism using behavioral information. *Ecology and Society*. 9:2.
- Lusseau, D., R. Williams, B. Wilson, K. Grellier, T.R. Barton, P.S. Hammond, and P.M. Thompson. 2004. Parallel influence of climate on the behaviour of Pacific killer whales and Atlantic bottlenose dolphins. *Ecology Letters*. 7:1068-1076.
- Macfarlane, J.A.F. 1981. Reactions of whales to boat traffic in the area of the confluence of the Saguenay and St. Lawrence rivers, Quebec. Manuscript cited in Richardson et al. 1995. 50 pp.
- MacGarvin, M., and M. Simmonds, 1996. Whales and climate change. Pages 321-332 in M. P. Simmonds and J. Hutchinson, eds. *The conservation of whales and dolphins: Science and practice*. Chichester, United Kingdom: John Wiley & Sons, Ltd.
- MacLeod, C.D. 1999. A review of beaked whale acoustics, with inferences on potential interactions with military activities. *European Research on Cetaceans*. 13:35-38.
- MacLeod, C. D., M. B. Santos, and G. J. Pierce, 2003. Review of data on diets of beaked whales: Evidence of niche separation and geographic segregation. *Journal of the Marine Biological Association of the United Kingdom* 83:651-665.
- MacLeod, C. D., G. J. Pierce and M. Begoña Santos. 2004. Geographic and temporal variations in strandings of beaked whales. (Ziphiidae) on the coasts of the UK and the Republic of Ireland from 1800-2002. *Journal of Cetacean Management and Research* 6(1): 79-86.
- MacLeod, C. D. and A. F. Zuur, 2005. Habitat utilization by Blainville's beaked whales off Great Abaco, northern Bahamas, in relation to seabed topography. *Marine Biology* 147:1-11.
- Madsen, P.T., D.A. Carder, W.W.L. Au, P.E. Nachtigall, B. Møhl, and S.H. Ridgway. 2003. Sound production in neonate sperm whales (L). *Journal of the Acoustical Society of America*. 113:2988-2991.
- Madsen, P.T., M.A. Johnson, P.J. Miller, A.N. Soto, J. Lynch, and P.L. Tyack. 2006. Quantitative measures of air-gun pulses recorded on sperm whales (*Physeter macrocephalus*) using acoustic tags during controlled exposure experiments. *Journal of the Acoustic Society of America*. 120:2366-2379.
- Malme, C.I., P.R. Miles, C.W. Clark, P. Tyack and J.E. Bird. 1984. Investigations of the potential effects of underwater noise from petroleum industry activities on migrating gray whale behavior/Phase II: January 1984 migration. BBN Rep. 5586. Report from Bolt Beranek & Newman Inc., Cambridge, MA, for U.S. Minerals Management Service, Anchorage, AK. NTIS PB86-218377.

- Malme, C.I., B. Wursig, J.E. Bird, and P.L. Tyack., 1986. Behavioral responses of gray whales to industrial noise: Feeding observations and predictive modeling, National Oceanic and Atmospheric Administration, Outer continental Shelf Environmental Assessment Program, Final Report of the Principal Investigators, Anchorage, Alaska: BBB Report No. 6265. OCS Study MMS 88-0048; NTIS PB88-249008.
- Mangels, K.F. and T. Gerrodette, 1994. Report of cetacean sightings during a marine mammal survey in the eastern Pacific Ocean and the Gulf of California aboard the NOAA ships McArthur and David Starr Jordan, July 28–November 6, 1993. NOAA Technical Memorandum NMFS-SWFSC-211. Southwest Fisheries Science Center, National Marine Fisheries Service, La Jolla, CA.
- Maravilla-Chavez, M.O. and M.S Lowry, 1999. Incipient breeding colony of Guadalupe fur seals at Isla Benito del Este, Baja California, Mexico. *Marine Mammal Science* 15:239-241.
- Marten, K., and S. Psarakos. 1999. Long-term site fidelity and possible long-term associations of wild spinner dolphins (*Stenella longirostris*) seen off Oahu, Hawaii. *Marine Mammal Science*. 15: 329-336.
- Marten, K., 2000. Ultrasonic analysis of pygmy sperm whale (*Kogia breviceps*) and Hubbs' beaked whale (*Mesoplodon carlhubbsi*) clicks. *Aquatic Mammals* 26(1):45-48.
- Masaki, Y. 1976. Biological studies on the North Pacific sei whale. *Bull. Far Seas Fish. Res. Lab. (Shimizu)* 14:1-104.
- Masaki, Y. 1977. The separation of the stock units of sei whales in the North Pacific. *Rep. Int. Whaling Comm., Spec. Issue* 1:71-79.
- Mate, B.R., K.M. Stafford, R. Nawojchik and J.L. Dunn. 1994. Movements and dive behavior of a satellite-monitored Atlantic white-sided dolphin (*Lagenorhynchus acutus*) in the Gulf of Maine. *Marine Mammal Science*. 10: 116-121.
- Mate, B.R., S.L. Nieuwkerk, and S.D. Kraus. 1997. Satellite-monitored movements of the northern right whale. *Journal of Wildlife Management*. 61:1393-1405.
- Mate, B.R., B.A. Lagerquist, and J. Calambokidis. 1999. Movements of North Pacific blue whales during the feeding season off southern California and their southern fall migration. *Marine Mammal Science*. 15:1246-1257.
- Matthews, J.N., S. Brown, D. Gillespie, M. Johnson, R. McLanaghan, A. Moscrop, D. Nowacek, R. Leaper, T. Lewis, and P. Tyack. 2001. Vocalisation rates of the North Atlantic right whale (*Eubalaena glacialis*). *Journal of Cetacean Research and Management*. 3:271-282.
- Mattila, D.K., L.N. Guinee, and C.A. Mayo. 1987. Humpback whale songs on a North Atlantic feeding ground. *Journal of Mammalogy*. 68:880-883.
- Maybaum, H.L. 1989. Effects of a 3.3 kHz sonar system on humpback whales, *Megaptera novaeangliae*, in Hawaiian waters. M.S. Thesis, University of Hawaii, Manoa. 112 pp.
- May-Collado, L.J., I. Agnarsson, D. Wartzok. 2007. Reexamining the relationship between body size and tonal signals frequency in whales: a comparative approach using a novel phylogeny. *Marine Mammal Science* 23 (3):524-552.
- Mazuca, L., S. Atkinson, B. Keating and E. Nitta. 1999. Cetacean Mass Strandings in the Hawaiian Archipelago, 1957-1998. *Aquatic Mammals*. 25:105-114.
- McAlpine, D. F., L. D. Murison, and E. P. Hoberg, 1997. New records for the pygmy sperm whale, *Kogia breviceps* (Physeteridae) from Atlantic Canada with notes on diet and parasites. *Marine Mammal Science* 13(4):701-704.

- McAlpine, D.F. 2002. Pygmy and dwarf sperm whales *Kogia breviceps* and *K. sima*. Pages 1007-1009 in W.F. Perrin, B. Wursig, and J.G.M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego: Academic Press.
- McConnell, B. J., and M. A. Fedak, 1996. Movements of southern elephant seals. Canadian Journal of Zoology 74:1485-1496.
- McCowan, B., and D. Reiss, 1995. Maternal aggressive contact vocalizations in captive bottlenose dolphins (*Tursiops truncatus*): Wide-band, low frequency signals during mother/aunt-infant interactions. Zoo Biology 14:293-309.
- McCullagh, P. and J.A. Nedler. 1989. Generalized linear models. Second Edition. Chapman and Hall; London, United Kingdom.
- McCulloch, C.E. and S.R. Searle. 2001. Generalized, linear, and mixed models. John Wiley and Sons, Inc.; New York, New York.
- McDonald, M. A., and C. G. Fox, 1999. Passive acoustic methods applied to fin whale population density estimation. Journal of the Acoustical Society of America 105(5):2643-2651.
- McDonald, M.A., J. Calambokidis, A.M. Teranishi, and J.A. Hildebrand. 2001. The acoustic calls of blue whales off California with gender data. Journal of the Acoustical Society of America 109:1728-1735.
- McDonald, M. A., J. A. Hildebrand, S. M. Wiggins, D. Thiele, D. Glasgow, S. E. Moore. 2005. Sei whale sounds recorded in the Antarctic. Journal of the Acoustical Society of America. 118:3941-3945.
- McDonald, M.A., J.A Hildebrand, and S.M. Wiggins. 2006. Increases in deep ocean ambient noise in the Northeast Pacific west of San Nicolas Island, California. Journal of the Acoustical Society of America. 120:711-718.
- McEwen, B., and J. Wingfield, 2003. The concept of allostasis in biology and biomedicine. Hormonal Behavior 2003 Jan 43(1):2-15. The rockefeller University, NY.
- McGrath, J.R. 1971. Scaling Laws for Underwater Exploding Wires. Journal of the Acoustical Society of America. 50:1030-1033.
- McSweeney, D.J., R.W. Baird and S.D. Mahaffy. 2007. Site fidelity, associations and movements of Cuvier's (*Ziphius cavirostris*) and Blainville's (*Mesoplodon densirostris*) beaked whales off the island of Hawai'i. Marine Mammal Science. 23:666-687.
- Mead, J.G. 1989. Beaked whales of the genus - *Mesoplodon*. Pages 349-430 in S.H. Ridgway and R. Harrison, eds. Handbook of marine mammals. Volume 4: River dolphins and the larger toothed whales. London: Academic Press.
- Melin, S. R. and R.L. DeLong. 1999. Observations of a Guadalupe Fur Seal (*Arctocephalus townsendi*) Female and pup at San Miguel Island, California. Marine Mammal Science. 15:885-888.
- Mellinger, D.K., C.D. Carson, and C.W. Clark. 2000. Characteristics of minke whale (*Balaenoptera acutorostrata*) pulse trains recorded near Puerto Rico. Marine Mammal Science. 16:739-756.
- Mellinger, D.K., and C.W. Clark. 2003. Blue whale (*Balaenoptera musculus*) sounds from the North Atlantic. Journal of the Acoustical Society of America. 114:1108-1119.

- Mendes, S., W. Turrell, T. Lütkebohle, and P. Thompson. 2002. Influence of the tidal cycle and a tidal intrusion front on the spatio-temporal distribution of coastal bottlenose dolphins. *Marine Ecology Progress Series*. 239:221-229.
- Mesnick, S.L., B.L. Taylor, B. Nachenberg, A. Rosenberg, S. Peterson, J. Hyde, and A.E. Dizon. 1999. Genetic relatedness within groups and the definition of sperm whale stock boundaries from the coastal waters off California, Oregon and Washington. Southwest Fisheries Center Administrative Report LJ-99-12:1-10. La Jolla, California: National Marine Fisheries Service.
- Michel, J, R Nairn, J.A. Johnson, and D Hardin. 2001. Development and design of biological and physical monitoring protocols to evaluate the long-term impacts of offshore dredging operations on the marine environment. Final Report to the U.S. Department of Interior, Minerals Management Service, International Activities and Marine Minerals Divisions (INTERMAR), Herndon, CA. Contract No. 14-35-0001-31051. 116 p.
- Mignucci-Giannoni, A. A., 1998. Zoogeography of cetaceans off Puerto Rico and the Virgin Islands. *Caribbean Journal of Science* 34(3-4):173-190.
- Mignucci-Giannoni, A.A., Toyos-Gonzalez, G.M., Perez-Padilla, J., Rodriguez-Lopez, M.A., and Overing, J. 2000. Mass stranding of pygmy killer whales (*Feresa attenuata*) in the British Virgin Islands. *Journal of the Marine Biology Association*. U.K. 80:759-760.
- Miksis J.L., Grund, M.D., Nowacek, D.P., Solow, A.R., Connor R.C. and Tyack, P.L. 2001. Cardiac Responses to Acoustic Playback Experiments in the Captive Bottlenose Dolphin, *Tursiops truncatus*. *Journal of Comparative Psychology*. 115:227-232.
- Miksis-Olds, J.L., P.L. Donaghay, J.H. Miller, P.L. Tyack, and J.A. Nystuen. 2007. Noise level correlates with manatee use of foraging habitats. *Journal of the Acoustical Society of America*. 121:3011-3020.
- Miller, J.D. 1974. Effects of noise on people. *Journal of the Acoustical Society of America*. 56:729-764.
- Miller, J.D., C.S. Watson, and W.P. Covell. 1963. Deafening effects of noise on the cat. *Acta Oto-Laryngologica Supplement*. 176:1-91.
- Miller, P.J.O., N. Biassoni, A. Samuels, and P.L. Tyack. 2000. Whale songs lengthen in response to sonar. *Nature*. 405:903.
- Miller, P.J.O., M.P. Johnson, and P.L. Tyack. 2004. Sperm whale behaviour indicates the use of echolocation click buzzes 'creaks' in prey capture. *Proceedings of the Royal Society of London, Part B*: 271:2239-2247.
- Mills, J.H., R.M. Gilbert, and W.Y. Adkins. 1979. Temporary threshold shifts in humans exposed to octave bands of noise for 16 to 24 hours. *Journal of the Acoustical Society of America*. 65:1238-1248.
- Mitchell, E. 1974. Present status of Northwest Atlantic fin and other whale stocks. Pp. 108-169 In: Schevill, W.E. (ed.) *The whale problem: a status report*. Harvard University Press, Cambridge, MA. 419 pp.
- Mitchell, E.D., Jr. 1991. Winter records of the minke whale (*Balaenoptera acutorostrata acutorostrata* Lacépède 1804) in the southern North Atlantic. *Reports of the International Whaling Commission* 41:455-457.

- Miyazaki, N. and W.F. Perrin. 1994. Rough-toothed dolphin-*Steno bredanensis* (Lesson, 1828). Pages 1-21 in S.H. Ridgway and R. Harrison, eds. Handbook of marine mammals. Volume 5: The first book of dolphins. San Diego, California: Academic Press.
- Miyazaki, N. and W.F. Perrin. 1994. Rough-toothed dolphin-*Steno bredanensis* (Lesson, 1828). Pages 1-21 in S.H. Ridgway and R. Harrison, eds. Handbook of marine mammals. Volume 5: The first book of dolphins. San Diego, California: Academic Press.
- Mizroch, S.A., D.W. Rice, D. Zwiefelhofer, J. Waite, and W.L. Perryman. 1999. Distribution and movements of fin whales (*Balaenoptera physalus*) in the Pacific Ocean. Page 127 in Abstracts, Thirteenth Biennial Conference on the Biology of Marine Mammals. 28 November-3 December 1999. Wailea, Maui.
- Moberg, G.P. 2000. Biological response to stress: implications for animal welfare. Pages 1 - 21 In: G.P. Moberg and J.A. Mench, editors. The biology of animal stress. Basic principles and implications for animal welfare. Oxford University Press, Oxford, United Kingdom.
- Mobley, J.R., Jr, S.S. Spitz, K.A. Forney, R.A. Grotefendt, and P.H. Forestall. 2000. Distribution and abundance of odontocete species in Hawaiian waters: preliminary results of 1993-98 aerial surveys Admin. Rep. LJ-00-14C. Southwest Fisheries Science Center, National Marine Fisheries Service, P.O. Box 271, La Jolla, CA92038. 26 pp.
- Mobley, J. R., Jr., R. A. Grotefendt, P. H. Forestell, and A. Frankel. 1999. Results of aerial surveys of marine mammals in the major Hawaiian Islands (1993-98): Report to the Acoustic Thermometry of Ocean Climate Marine Mammal Research Program (ATOC MMRP) (unpublished). 39 pp
- Mobley, J.R., S.W. Martin, D. Fromm, and P. Nachtigall. 2007. Lunar influences as possible causes for simultaneous aggregations of melon-headed whales in Hanalei Bay, Kauai and Sasanhaya Bay, Rota. Abstract for oral presentation at the Seventeenth Biennial Conference on the Biology of Marine Mammals. Cape Town, South Africa, 29 November -3 December 2007.
- Møhl, B., M. Wahlberg, P. T. Madsen, A. Heerfordt, and A. Lund, 2003. The monopulsed nature of sperm whale clicks. Journal of the Acoustical Society of America 114:1143-1154.
- Møhl, B., Wahlberg, M., Madsen, P.T., Miller, L.A. and Surlykke, A. 2000. Sperm whale clicks: Directionality and source level revisited. Journal of the Acoustical Society of America 107(1): 638-648.
- Monestiez, P., L. Dubroca, E. Bonnin, J-P. Durbec, and C. Guinet. 2006. Geostatistical modelling of spatial distribution of *Balaenoptera physalus* in the Northwestern Mediterranean Sea from sparse count data and heterogeneous observation efforts. Ecological Modelling. 193:615-628.
- Moore, M. and G. A. Early. 2004. Cumulative sperm whale bone damage and the bends. Science 306:2215.
- Moore, M.J., B. Rubinstein, S.A. Norman, and T. Lipscomb. 2004. A note on the most northerly record of Gervais' beaked whale from the western North Atlantic Ocean. Journal of Cetacean Research and Management. 6:279-281.
- Moore, P.W.B., and R.J. Schusterman, 1987. Audiometric assessment of northern fur seals, *Callorhinus ursinus*. Marine Mammal Science 3:31-53.
- Moore, S. E. 2005. Long-term Environmental Change and Marine Mammals. IN: J.E. Reynolds III, W.F. Perrin, R.R. Reeves, S. Montgomery, T.J. Ragen. Marine Mammal Research: Conservation Beyond Crisis. John Hopkins University Press, Baltimore. pp 137-147.

- Moore, S.E. and J.T. Clarke. 1991. Patterns of bowhead whale distribution and abundance near Barrow, Alaska, in Fall 1982-1989. *Marine Mammal Science*. 8:27-36.
- Moore, S. E., W. A. Watkins, M. A. Daher, J. R. Davies, and M. E. Dahlheim, 2002. Blue whale habitat associations in the Northwest Pacific: Analysis of remotely-sensed data using a Geographic Information System. *Oceanography* 15(3):20-25.
- Moore, S.E. and J.T. Clarke. 2002. Potential impact of offshore human activities on gray whales. *Eschrichtius robustus*. *J. Cetacean Res. Manag.* 4:19-25.
- Morimitsu, T., T. Nagai, M. Ide, H. Kawano, A. Naichuu, M. Koono, and A. Ishii. 1987. Mass stranding of Odontoceti caused by parasitogenic eighth cranial neuropathy. *Journal of Wildlife Diseases*. 28:656-658.
- Morton, A.B., and H.K. Symonds. 2002. Displacement of *Orcinus orca* (L.) by high amplitude sound in British Columbia, Canada. *ICES Journal of Marine Science*. 59:71-80.
- Moulton, V. D., E. H. Miller, and H. Ochoa-Acuña, 2000. Haulout behaviour of captive harp seals (*Pagophilus groenlandicus*): Incidence, seasonality, and relationships to weather. *Applied Animal Behaviour Science* 65:367-378.
- Munk, P., P.O. Larsson, D. Danielsen, and E. Moksness. 1995. Larval and small juvenile cod *Gadus morhua* concentrated in the highly productive areas of a shelf break front. *Marine Ecology Progress Series*. 125:21-30.
- Muñoz-Hincapié, M. F., D. M. Mora-Pinto, D. M. Palacios, E. R. Secchi, and A. A. Mignucci-Giannoni, 1998. First osteological record of the dwarf sperm whale in Colombia, with notes on the zoogeography of *Kogia* in South America. *Revista Academia Colombiana de Ciencias* 22(84):433-444.
- Nachtigall, P.E., W.W.L. Au, J.L. Pawloski, and P.W.B. Moore. 1995. Risso's dolphin (*Grampus griseus*) hearing thresholds in Kaneohe Bay, Hawaii. Pages 49-53 in R.A. Kastelein, J.A. Thomas, and P.E. Nachtigall, eds. *Sensory systems of aquatic mammals*. Woerden, The Netherlands: De Spil Publishers.
- Nachtigall, P.E., D.W. Lemonds, and H.L. Roitblat. 2000. Psychoacoustic studies of dolphins and whales in *Hearing by Dolphins and Whales*, W.W.L. Au, A.N. Popper, and R.R. Fay, eds. Springer, New York. Pp. 330-363.
- Nachtigall, P.E., J.L. Pawloski, and W.W.L. Au. 2003. Temporary threshold shift and recovery following noise exposure in the Atlantic bottlenosed dolphin (*Tursiops truncatus*). *Journal of the Acoustical Society of America*. 113:3425-3429.
- Nachtigall, P.E., A. Supin, J.L. Pawloski, and W.W.L. Au. 2004. Temporary threshold shift after noise exposure in bottlenosed dolphin (*Tursiops truncatus*) measured using evoked auditory potential. *Marine Mammal Science*. 20:673-687.
- Nachtigall, P.E., M.M.L. Yuen, T.A. Mooney, and K.A. Taylor. 2005. Hearing measurements from a stranded infant Risso's dolphin, *Grampus griseus*. *The Journal of Experimental Biology*. 208:4181-4188.
- Nachtigall, P.E. and A.Y. Supin. 2008. A false killer whale adjusts its hearing when it echolocates. *Journal of Experimental Biology*. 211:1714-1718.
- National Oceanic and Atmospheric Administration (NOAA). 2001. Final Rule for the Shock Trial of the WINSTON S. CHURCHILL (DDG-81), Federal Register, Department of Commerce; NMFS, FR 66, No. 87, 22450-67.

- National Research Council (NRC). 2003. Ocean noise and marine mammals. The National Academic Press, Washington D.C. 208 pp.
- Nawochik, R., D.J. St. Aubin and A. Johnson. 2003. Movements and dive behavior of two stranded, rehabilitated long-finned pilot whales (*Globicephala melas*) in the Northwest Atlantic. *Marine Mammal Science*. 19:232-239.
- Nedwell, J.R., B. Edwards, A.W.H. Turnpenny, and J. Gordon. 2004. Fish and marine mammal audiograms: A summary of available information. Subacoustech Ltd. Report, Ref. 19534R0213.
- Nemoto, T., and A. Kawamura. 1977. Characteristics of food habits and distribution of baleen whales with special reference to the abundance of North Pacific sei and Bryde's whales. *Reports of the International Whaling Commission, Special Issue*. 1:80-87.
- Nerini, M. 1984. A review of gray whale feeding ecology. p. 451-463 In: M.L. Jones, S.L. Swartz, and S. Leatherwood (eds.), *The Gray Whale, (Eschrichtius robustus)*. Academic Press, Inc., Orlando, Florida.
- Ng, S.L., and S. Leung. 2003. Behavioral response of Indo-Pacific humpback dolphin (*Sousa chinensis*) to vessel traffic. *Marine Environmental Research*. 56:555-567.
- Nieri, M., E. Grau, B. Lamarche, A. Aguilar. 1999. Mass mortality of Atlantic spotted dolphins (*Stenella frontalis*) caused by a fishing interaction in Mauritania. *Marine Mammal Science*. 15:847-854.
- NMFS, Office of Protected Resources. 2005. Assessment of Acoustic Exposures on Marine Mammals in Conjunction with U.S.S. SHOUP Active Sonar Transmissions in the Eastern Strait of Juan de Fuca and Haro Strait, Washington, 5 May 2003.
- NMFS. 1998. Recovery plan for the blue whale (*Balaenoptera musculus*). Prepared by R.R. Reeves, P.J. Clapham, R.L. Brownell, and G.K. Silber. Silver Spring, Maryland: National Marine Fisheries Service.
- NMFS. 2002. Endangered and threatened species: Determination on a petition to revise critical habitat for northern right whales in the Pacific. *Federal Register* 67:7660-7665.
- NMFS. 2004. Interim Report on the Bottlenose Dolphin (*Tursiops truncatus*) Unusual Mortality Event Along the Panhandle of Florida March-April 2004. National Marine Fisheries Service. 36 pp.
- NMFS. 2005. Recovery Plan for the North Atlantic Right Whale (*Eubalaena glacialis*). National Marine Fisheries Service, Silver Spring, MD.
- NMFS. 2005a. Long-Finned Pilot Whale (*Globicephala melas*): Western North Atlantic Stock. Stock Assessment Report. December, 2005.
- NMFS. 2005b. Pygmy Sperm Whale (*Kogia breviceps*): Western North Atlantic Stock. Stock Assessment Report. December, 2005.
- NMFS. 2005c. False Killer Whale (*Pseudorca crassidens*): Northern Gulf of Mexico Stock. Stock Assessment Report. December, 2005.
- NMFS. 2005d. Dwarf Sperm Whale (*Kogia sima*): Western North Atlantic Stock. Stock Assessment Report. December, 2005.
- NMFS 2005e. Notice of Issuance of an Incidental Harassment Authorization, Incidental to Conducting the Precision Strike Weapon (PSW) Testing and Training by Eglin Air Force Base in the Gulf of Mexico. *Federal Register*, 70:48675-48691.

- NMFS 2006. Proposed rule to implement speed restrictions to reduce the threat of ship collisions with North Atlantic right whales. Federal Register 71(122):36299-36313.
- NMFS 2006a. Incidental Takes of Marine Mammals Incidental to Specified Activities; Naval Explosive Ordnance Disposal School Training Operations at Eglin Air Force Base, Florida, National Oceanic and Atmospheric Administration, National Marine Fisheries Service. Federal Register 71(199):60693-60697
- NMFS 2006b. Endangered and threatened species; Proposed endangered status for North Atlantic right whales. Federal Register 71(248):77704-77716.
- NMFS 2006c. Biennial Report to Congress on the Recovery Program for Threatened and Endangered Species- October 1, 2004 – September 30, 2006. Office of Protected Resources, National Marine Fisheries Service, Silver Springs, MD. 185 pp.
- NMFS 2007a. Biological Opinion on the U.S. Navy's proposed Composite Training Unit Exercises and Joint Task Force Exercises off Southern California from February 2007 to January 2009. National Marine Fisheries Service, Office of Protected Resources. 163 pp.
- NMFS 2008a. National Marine Fisheries Office of Protected Resources Memorandum to Chief of Naval Operations, Environmental Readiness. In review Jan 08.
- NMFS. 2008b. Draft supplemental environmental assessment on issuance of a scientific research permit for a behavioral response study on deep diving odontocetes. March 2008. 23 pp.
- NOAA 2002a. Final Rule SURTASS LFA Sonar. Federal Register, Department of Commerce; NMFS, FR 67, 136, 46712-89, 16 July.
- NOAA 2002b. Report of the workshop on acoustic resonance as a source of tissue trauma in cetaceans. NOAA Fisheries, Silver Spring, Maryland. April 2002.
- NOAA 2006a. National Marine Fisheries Service Biological Opinion for RIMPAC, 2006.
- NOAA 2006b. Incidental Harassment Authorization for RIMPAC 2006 issued by NOAA-NMFS.
- Norman, A. A., C. E. Bowlby, M. S. Brancato, J. Calambokidis, D. Duffield, P. J. Gearin, T. A. Gornall, M. E. Gosho, B. Hanson, J. Hodder, S. J. Jeffries, B. Lagerquist, D. M. Lambourn, B. Mate, B. Norberg, R. W. Osborne, J. A. Rash, S. Riemer and J. Scordino. 2004. Cetacean strandings in Oregon and Washington between 1930 and 2002. Journal of Cetacean Research and Management. 6:87-99.
- Norman, S.A. and J.G. Mead. 2001. *Mesoplodon europaeus*. Mammalian Species. 688:1-5.
- Norris, K.S., and J.H. Prescott. 1961. Observations on Pacific cetaceans of Californian and Mexican waters. University of California Publications in Zoology. 63:291-402.
- Norse, E. A. and L. Watling. 1999. Impacts of Mobile Fishing Gear: The Biodiversity Perspective. Fish Habitat: Essential Fish Habitat and Rehabilitation. L. R. Benaka. Bethesda, MD, American Fisheries Society, Symposium. 22: 31-40.
- Nowacek, D.P., M.P. Johnson, and P.L. Tyack. 2004. North Atlantic right whales (*Eubalaena glacialis*) ignore ships but respond to alerting stimuli. Proceedings of the Royal Society of London, part B. 271:227-231.
- Nowacek, D. P., L. H. Thorne, D. W. Johnston, and P. L. Tyack, 2007. Responses of cetaceans to anthropogenic noise. Mammal Review. 37:81-115.
- NSWC/Anteon Corp., Inc. 2005. Very shallow water explosion tests at Naval Amphibious Base, Coronado, CA and San Clemente Island, CA: Conditions, results, and model predictions.

- Nuclear Regulatory Commission. 1997. Proceedings of a dose-modeling workshop. November 13 – 14, 1997. Washington, D.C.
- Nuclear Regulatory Commission. 2003. Ocean noise and marine mammals. National Academy Press, Washington, DC.
- Nuclear Regulatory Commission. 2005. Marine Mammal Populations and Ocean Noise: Determining When Noise Causes Biologically Significant Effects. The National Academic Press, Washington D.C. 126 pp.
- Nuclear Regulatory Commission. 2006. "Dynamic Changes in Marine Ecosystems: Fishing, Food Webs, and Future Options, Committee on Ecosystem Effects of Fishing: Phase II - Assessments of the Extent of Change and the Implications for Policy," (National Research Council, of the National Academies, National Academies Press, Washington, DC).
- NSWC/Anteon Corp., Inc. 2005. Very shallow water explosion tests at Naval Amphibious Base, Coronado, CA and San Clemente Island, CA: Conditions, results, and model predictions.
- Odell, D. K., and K. M. McClune, 1999. False killer whale *Pseudorca crassidens* (Owen, 1846). Pages 213-243 in S. H. Ridgway and R. Harrison, eds. Handbook of marine mammals. Volume 6: The second book of dolphins and the porpoises. San Diego: Academic Press.
- Odell, D.K. 1987. The mystery of marine mammal strandings. *Cetus* 7:2.
- Office of Naval Research, 2001. "Final Environmental Impact Statement for the North Pacific Acoustic Laboratory," Volumes I and II, January 2001.
- Orr, R.T. and C.Helm, 1989. Marine mammals of California, revised edition. Berkeley, CA: University of California Press. 93 pp.
- O'Hara, T.M. and C. Rice, 1996. Polychlorinated biphenyls. In: A. Fairbrother, L. Locke, and G Hoff (eds). Noninfectious diseases of wildlife, 2nd edition. Iowa State University Press, Ames, Iowa.
- O'Hara, T.M., M.M. Krahn, D. Boyd, P.R. Becker, L.M. Philo, 1999. Organochlorine contaminant levels in eskimo harvested bowhead whales of arctic Alaska. *Journal of Wildlife Diseases* 35(4):741-752.
- Okamura, H., K. Matsuoka, T. Hakamada, M. Okazaki, and T. Miyashita. 2001. Spatial and temporal structure of the western North Pacific minke whale distribution inferred from JARPN sightings data. *Journal of Cetacean Research and Management*. 3:193-200.
- Oleson, E., J. Barlow, C. Clark, J. Gordon, S. Rankin, and J. Hildebrand. 2003. Low frequency calls of Bryde's whales. *Marine Mammal Science*. 19:407-419.
- Oleson, E. M., J. Calambokidis, W.C. Burgess, M.A. McDonald, C.A. LeDuc, and J.A. Hildebrand. 2007. Behavioral Context of Call Production by Eastern North Pacific Blue Whales. *Marine Ecology Progress Series*. 330:269-284.
- Omura, H., S. Ohsumi, T. Nemoto, K. Nasu, and T. Kasuya. 1969. Black right whales in the North Pacific. *Scientific Reports of the Whales Research Institute*. 21:I-78.
- Ono, K.A., D.J. Boness, O.T. Oftedal, and S.J. Iverson. 1993. The Effects of El Niño on Mother-Pup Biology in the California Sea Lion, In: Third California Islands Symposium: Recent Advances in Research on the California Islands, F.G. Hochberg,ed., pp. 495-500. Santa Barbara Museum of Natural History.

- Orr, R.T. and C.Helm, 1989. Marine mammals of California, revised edition. Berkeley, CA: University of California Press. 93 pp.
- Ortiz, R.M., and G.A.J. Worthy. 2000. Effects of capture on adrenal steroid and vasopressin concentrations in free-ranging bottlenose dolphins (*Tursiops truncatus*). Comparative Biochemistry and Physiology. A. 125:317-324.
- Osborne, R., 2003. "Historical Information on Porpoise Strandings in San Juan County Relative to the May 5th Navy Sonar Incident," (The Whale Museum News and Events).
- O'Shea, T. J., and R.L. Brownell Jr., 1994. Organochlorine and metal contaminants in baleen whales: a review and evaluation of conservation implications. Science of the Total Environment 154:179-200.
- Oswald, J. N., J. Barlow, and T. F. Norris, 2003. Acoustic identification of nine delphinid species in the eastern tropical Pacific Ocean. Marine Mammal Science 19(1):20-37.
- Oswald, J.N., S. Rankin, J. Barlow, and M.O. Lammers. 2007. A tool for real-time acoustic species identification of delphinid whistles. The Journal of the Acoustical Society of America. 122: 587-595.
- Pace, R.M, and G.K. Silber, 2005. Abstract- Simple analyses of ship and large whale collisions: Does speed kill? Sixteenth Biennial Conference on the Biology of Marine Mammals, San Diego, December 2005.
- Palacios, D. M., and B. R. Mate, 1996. Attack by false killer whales (*Pseudorca crassidens*) on sperm whales (*Physeter macrocephalus*) in the Galápagos Islands. Marine Mammal Science 12(4):582-587.
- Palka, D., and M. Johnson, eds, 2007. Cooperative Research to Study Dive Patterns of Sperm Whales in the Atlantic Ocean. Minerals Management Service, New Orleans, LA. OCS Study MMS2007-033. 49 pp.
- Panigada, S., M. Zanardelli, S. Canese, and M. Jahoda, 1999. Deep diving performances of Mediterranean fin whales. Page 144 in Abstracts, Thirteenth Biennial Conference on the Biology of Marine Mammals. 28 November-3 December 1999. Wailea, Maui.
- Panigada, S., G. Notarbartolo di Sciara, M. Zanardelli Panigada, S. Airoidi, J.F. Borsani, and M. Jahoda. 2005. Fin whales (*Balaenoptera physalus*) summering in the Ligurian Sea: Distribution, encounter rate, mean group size and relation to physiographic variables. Journal of Cetacean Research and Management. 7:137-145.
- Panigada, S., G. Pesante, M. Zanardelli, F. Capoulade, A. Gannier and M. T. Weinrich. 2006. Mediterranean fin whales at risk from fatal ship strikes. Marine Pollution Bulletin 52: 1287-1298.
- Parente, C. L., J. P. Araujo, and M. E. Araujo, 2007. Diversity of cetaceans as tool in monitoring environmental impacts of seismic surveys. Biota Neotrop 7(1):1-7.
- Parks, S.E., D.R. Ketten, J. Trehey O'Malley, and J. Arruda. 2004. Hearing in the North Atlantic right whale: Anatomical predictions. Journal of the Acoustical Society of America. 115:2442.
- Parks, S.E., C.W. Clark, and P.L. Tyack. 2007. Short- and long-term changes in right whale calling behavior: The potential effects of noise on acoustic communication. Journal of the Acoustical Society of America. 122:3725-3731.
- Payne, K., P. Tyack, and R. Payne. 1983. Progressive changes in the songs of humpback whales (*Megaptera novaengliae*): A detailed analysis of two seasons in Hawaii. Pp. 9-57 in R.

- Payne, ed. Communication and behavior in whales. Washington, D.C.: American Association for the Advancement of Science.
- Payne, K. and R. Payne. 1985. Large scale changes over 19 years in songs of humpback whales in Bermuda. *Zeitschrift fur Tierpsychologie*. 68:89-114.
- Payne, P.M., J.R. Nicolas, L. O'Brien, and K.D. Powers. 1986. The distribution of the humpback whale, *Megaptera novaeangliae*, on Georges Bank and in the Gulf of Maine in relation to densities of the sand eel, *Ammodytes americanus*. *Fishery Bulletin*. 84:271-277.
- Payne, P.M., D. N. Wiley, S.B. Young, S. Pittman, P.J. Clapham, and J.W. Jossi, 1990. Recent fluctuations in the abundance of baleen whales in the southern Gulf of Maine in relation to changes in selected prey. *Fishery Bulletin* 88:687-696
- Perrin, W. F. and J. R. Geraci. 2002. Stranding. IN: W.F. Perrin, B. Würsig, and J.G.M. Thewissen, eds. *Encyclopedia of Marine Mammals*. San Diego, Academic Press: pp. 1192-1197.
- Perrin, W. F., and R. L. Brownell, Jr, 2002. Minke whales *Balaenoptera acutorostrata* and *B. bonaerensis*. Pages 750-754 in W. F. Perrin, B. Würsig, and J. G. M. Thewissen, eds. *Encyclopedia of marine mammals*. Academic Press: San Diego, California.
- Perrin, W. F., and W. A. Walker, 1975. The rough-toothed porpoise, *Steno bredanensis*, in the eastern tropical Pacific. *Journal of Mammalogy* 56(4):905-907.
- Perrin, W.F., 2002. Common dolphins *Delphinus delphis*, *D. capensis*, and *D. tropicalis*. Pages 245-248 in W. F.Perrin, B. Würsig, and J. G. M. Thewissen, eds. *Encyclopedia of marine mammals*. Academic Press: San Diego, California.
- Perrin, W.F., and A.A. Hohn. 1994. Pantropical spotted dolphin. *Stenella attenuata*. Pages 71-98 in S.H. Ridgway and R. Harrison, eds. *Handbook of marine mammals*. Volume 5: The first book of dolphins. San Diego: Academic Press.
- Perrin, W.F., and J.W. Gilpatrick. 1994. Spinner dolphin--*Stenella longirostris* (Gray, 1828). Pages 99-128 in S.H. Ridgway and R. Harrison, eds. *Handbook of marine mammals*. Volume 5: The first book of dolphins. San Diego: Academic Press.
- Perrin, W.F., and R.L. Brownell. 2002. Minke whales *Balaenoptera acutorostrata* and *B. bonaerensis*. Pages 750-754 in W.F. Perrin, B. Würsig, and J.G.M. Thewissen, eds. *Encyclopedia of marine mammals*. San Diego: Academic Press.
- Perrin, W.F., C.E. Wilson, and F.I. Archer. 1994a. Striped dolphin. *Stenella coeruleoalba* (Meyen, 1833). Pages 129-159 in S.H. Ridgway and R. Harrison, eds. *Handbook of marine mammals*. Volume 5: The first book of dolphins. San Diego: Academic Press.
- Perrin, W.F., S. Leatherwood, and A. Collet. 1994b. Fraser's dolphin-*Lagenodelphis hosei* (Fraser, 1956). Pages 225-240 in S.H. Ridgway and R. Harrison, eds. *Handbook of marine mammals*. Volume 5: The first book of dolphins. San Diego: Academic Press.
- Perry, S.L., D.P. DeMaster, and G.K. Silber. 1999. The great whales: History and status of six species listed as endangered under the U.S. Endangered Species Act of 1973. *Marine Fisheries Review*. 61:1-74.
- Perryman, W.L., and T.C. Foster. 1980. Preliminary report on predation by small whales, mainly the false killer whale, *Pseudorca crassidens*, on dolphins (*Stenella* spp. and *Delphinus delphis*) in the eastern tropical Pacific. Southwest Fisheries Science Center Administrative Report LJ-80-05. La Jolla, California: National Marine Fisheries Service.

- Perryman, W.L., D.W.K. Au, S. Leatherwood, and T.A. Jefferson. 1994. Melon-headed whale. *Peponocephala electra* (Gray, 1846). Pages 363-386 in S.H. Ridgway and R. Harrison, eds. Handbook of marine mammals. Volume 5: The first book of dolphins. San Diego: Academic Press.
- Philips, J.D., P.E. Nachtigall, W.W.L. Au, J.L. Pawloski, and H.L. Roitblat. 2003. Echolocation in the Risso's dolphin, *Grampus griseus*. Journal of the Acoustical Society of America 113:605-616.
- Piantadosi, C. A. and E. D. Thalmann. 2004. Whales, sonar and decompression sickness arising from: Jepson, P. D. et al. Nature 425, 575-576. 2003. Nature. (15 April 2004).
- Pierce, A.D. 1989. Acoustics, An Introduction to Its Physical Principles and Applications. Acoustical Society of America. Woodbury, NY
- Pike, G.C. and I.B. Macaskie. 1969. Marine mammals of British Columbia. Bull. Fish. Res. Board Can. 171:1-30.
- Pitman, R. L., L. T. Ballance, S. L. Mesnick, and S. J. Chivers, 2001. Killer whale predation on sperm whales: Observations and implications, Mar. Mammal Sci. 17, 494-507.
- Pitman, R.L., 2002. Mesoplodont whales *Mesoplodon* spp. Pages 738-742 in W. F. Perrin, B. Würsig, and J. G. M. Thewissen, eds. Encyclopedia of marine mammals. Academic Press: San Diego, California.
- Pivorunas, A., 1979. The feeding mechanisms of baleen whales. American Scientist 67:432-440.
- Podesta, M., A. D'Amico, G. Pavan, A. Drouga, A. Komnenou, and N. Portunato, 2006. A review of *Ziphius cavirostris* strandings in the Mediterranean Sea. Journal of Cetacean Research and Management 7(3):251-261.
- Polefka, S., 2004. Anthropogenic Noise and the Channel Islands National Marine Sanctuary. Report by Environmental Defense Center, Santa Barbara, CA. 51 pp.
- Poole, M.M. 1995. Aspects of the behavioral ecology of spinner dolphins (*Stenella longirostris*) in the nearshore waters of Moorea, French Polynesia. Ph.D. dissertation., University of California, Santa Cruz.
- Popov, V. V., and V. O. Klishin, 1998. EEG study of hearing in the common dolphin, *Delphinus delphis*. Aquatic Mammals 24(1):13-20.
- Quaranta, A., P. Portalatini, and D. Henderson. 1998. Temporary and permanent threshold shift: An overview. Scandinavian Audiology. 27:75-86.
- Rankin, J.J. 1953. First record of the rare beaked whale, *Mesoplodon europaeus*, Gervais, from the West Indies. Nature 172: 873-874.
- Rankin, S. and J. Barlow. 2007a. Vocalizations of the sei whale *Balaenoptera borealis* off the Hawai'i. Bioacoustical. 16:137-145.
- Rankin, S. and J. Barlow. 2007b. Sounds recorded in the presence of Blainville's beaked whales, *Mesoplodon densirostris*, near Hawai'i. The Journal of the Acoustical Society of America. 122:42-45.
- Rankin, S., and J. Barlow. 2003. Discovery of the minke whale "boing" vocalization, and implications for the seasonal distribution of the North Pacific minke whale. Page 134 in Abstracts, Fifteenth Biennial Conference on the Biology of Marine Mammals. 14-19 December 2003. Greensboro, North Carolina.

- Rankin, S., T. F. Norris, M. A. Smultea, C. Oedekoven, A. M. Zoidis, E. Silva, and J. Rivers. 2007. A visual sighting and acoustic detections of minke whales, *Balaenoptera acutorostrata* (Cetacea: Balaenopteridae), in nearshore Hawaiian waters. *Pac. Sci.* 61(3):395-398.
- Read, A.J., P. Drinker and S. Northridge. 2006. Bycatch of Marine Mammals in U.S. and Global Fisheries. *Conservation Biology.* 20:163-169.
- Reddy, M.L., J.S. Reif, A. Bachand, and S.H. Ridgway. 2001. Opportunities for using Navy marine mammals to explore associations between organochlorine contaminants and unfavorable effects on reproduction. *The Science of the Total Environment.* 274:171-182.
- Redfern, J.V., M.C. Ferguson, E.A. Becker, K.D. Hyrenbach, C. Good, J. Barlow, K. Kaschner, M.F. Baumgartner, K.A. Forney, L.T. Ballance, P. Fauchald, P. Halpin, T. Hamazaki, A.J. Pershing, S.S. Qian, A. Read, S.B. Reilly, L. Torres, and F. Werner. 2006. Techniques for cetacean-habitat modeling: A review. *Marine Ecology Progress Series* 310:271-295.
- Reeder D. M., and K. M. Kramer, 2005. Stress in free-ranging mammals: integrating physiology, ecology, and natural history. *Journal of Mammalogy* 86: 225-235.
- Reeves, R.R., B.S. Stewart, and S. Leatherwood, 1992. *The Sierra Club handbook of seals and sirenians.* San Francisco, CA: Sierra Club. 359 pp
- Reeves, R.R., B.S. Stewart, P.J. Clapham, and J.A. Powell. 2002. *National Audubon Society guide to marine mammals of the world.* New York: Alfred A. Knopf.
- Reeves R.R., and E. Mitchell. 1988. History of whaling in and near North Carolina. NOAA Tech Rep NMFS 65:1-28.
- Reeves, R.R., B.D. Smith, E.A. Crespo, and G. Notarbartolo di Sciara. 2003. 2002-2010 conservation plan for the world's cetaceans: Dolphins, whales, and porpoises. Gland, Switzerland: IUCN.
- Reeves, R.R., W.F. Perrin, B.L. Taylor, C.S. Baker, and S.L. Mesnick. 2004. Report of the Workshop on Shortcomings of Cetacean Taxonomy in Relation to Needs of Conservation and Management, April 30 - May 2, 2004, La Jolla, California. NOAA Technical Memorandum NMFS-SWFSC. 363:l- 94.
- Reilly, S.B., 1990. Seasonal changes in distribution and habitat differences among dolphins in the eastern tropical Pacific. *Marine Ecology Progress Series* 66:1-11.
- Reilly, S., and V.G. Thayer. 1990. Blue whale (*Balaenoptera musculus*) distribution in the eastern tropical Pacific. *Marine Mammal Science.* 6:265-277.
- Rendell, L., and H. Whitehead. 2004. Do sperm whales share coda vocalizations? Insights into coda usage from acoustic size measurement. *Animal Behaviour.* 67:865-874.
- Rice, D.W. 1960. Distribution of the bottle-nosed dolphin in the Leeward Hawaiian Islands. *Journal of Mammalogy.* 41:407-408.
- Rice, D.W. 1974. Whales and whale research in the eastern North Pacific. pp. 170-195 In: W. E. Schevill (ed.). *The Whale Problem: A Status Report.* Harvard Press, Cambridge, MA.
- Rice, D. W. 1978. Sperm whales. Pp. 83-87, in *Marine mammals of eastern north Pacific and arctic waters* (D. Haley, ed.). Pacific Search Press, Seattle
- Rice, D. W., 1977. Synopsis of biological data on the sei whale and Bryde's whale in the eastern north Pacific. *Reports of the International Whaling Commission Special Issue* 1:92-97.

- Rice, D. W., 1989. Sperm whale - *Physeter macrocephalus* (Linnaeus, 1758). Pages 177-234 in S. H. Ridgway and R. Harrison, eds. Handbook of marine mammals. Volume 4: River dolphins and the larger toothed whales. Academic Press: San Diego, California.
- Rice, D.W. 1998. Marine mammals of the world: Systematics and distribution. Society for Marine Mammalogy Special Publication. 4:1-231.
- Rice, D.W. and A.A. Wolman. 1971. The life history of the gray whale, (*Eschrichtius robustus*). American Society of Mammalogists, Special Publication 3. 142pp.
- Richardson, W.J., C.R. Greene Jr., W.R. Koski, M.A. Smultea, G. Cameron, C. Holdsworth, G. Miller, T. Woodley, and B. Wursig. 1991. Acoustic effects of oil production activities on bowhead and white whales visible during spring migration near Pt. Barrow, Alaska – 1990 phase. Report prepared by LGS Environmental Research Associates Ltd. for the U.S. Department of Interior, Minerals Management Service, Anchorage, Alaska. NTIS PB92-170430.
- Richardson, W. J., C. R. J. Green, C. I. Malme and D. H. Thomson. 1995. Marine Mammals and Noise. San Diego, CA, Academic Press.
- Ridgway, S.H. 2000. The auditory central nervous system. Pages 273-293 in W.W.L. Au, A.N. Popper, and R.R. Fay, eds. Hearing by whales and dolphins. New York: Springer-Verlag.
- Ridgway, S.H., B.L. Scronce, and J. Kanwisher. 1969. Respiration and deep diving in the bottlenose porpoise. Science. 166:1651-1654.
- Ridgway, S.H. and M.D. Dailey. 1972. Cerebral and cerebellar involvement of trematode parasites in dolphins and their possible role in stranding. Journal of Wildlife Diseases. 8:33-43.
- Ridgway, S.H., and R. Howard. 1979. Dolphin lung collapse and intramuscular circulation during free diving: evidence from nitrogen washout. Science. 206:1182–1183.
- Ridgway, S.H., D.A. Carder, R.R. Smith, T. Kamolnick, C.E. Schlundt, and W.R. Elsberry. 1997. Behavioral responses and temporary shift in masked hearing threshold of bottlenose dolphins, *Tursiops truncatus*, to 1-second tones of 141 to 201 dB re 1 μ Pa. Technical Report 1751, Revision 1. San Diego: Naval Sea Systems Command.
- Ridgway, S. H., and D. A. Carder, 2001. Assessing hearing and sound production in cetaceans not available for behavioral audiograms: Experiences with sperm, pygmy sperm, and gray whales. Aquatic Mammals 27(3):267-276.
- Riedman, M., 1990. The pinnipeds: Seals, sea lions, and walruses. University of California Press: Berkeley, California.
- Ritter, F., and B. Brederlau, 1999. Behavioural observations of dense beaked whales (*Mesoplodon densirostris*) off La Gomera, Canary Islands (1995-1997). Aquatic Mammals 25(2):55-61.
- Rivers, J.A. 1997. Blue whale, *Balaenoptera musculus*, vocalizations from the waters off central California. Marine Mammal Science. 13:186-195.
- Robertson, K.M., and S.J. Chivers. 1997. Prey occurrence in pantropical spotted dolphins, *Stenella attenuata*, from the eastern tropical Pacific. Fishery Bulletin. 95:334-348.
- Robinson, S., L. Wynen, and S. Goldsworthy, 1999. "Predation by a Hooker's sea lion (*Phocarcos hookeri*) on a small population of fur seals *Arctocephalus* spp.) at Macquarie Island," Mar. Mammal Sci. 15, 888-893.

- Roden, C. L., and K. D. Mullin, 2000. Sightings of cetaceans in the northern Caribbean Sea and adjacent waters, winter 1995. *Caribbean Journal of Science* 36(3-4):280-288.
- Rogers, A.D. 1994. The biology of seamounts. Pages 306-350 in J.H. Blaxter, and A.J. Southward, eds. *Advances in marine biology*, volume. San Diego: Academic Press.
- Romano, T.A., J.A. Olschowka, S.Y. Felten, V. Quaranta, S.H. Ridgway, and D.L. Felten. 2002. Immune response, stress, and environment: Implications for cetaceans. In: *Cell and Molecular Biology of Marine Mammals*. C.J. Pfeiffer (ed). Krieger Publishing Co., Inc. pp. 53-279.
- Romano, T.A., M.J. Keogh, C. Kelly, P. Feng, L. Berk, C.E. Schlundt, D.A. Carder, and J.J. Finneran. 2004. Anthropogenic sound and marine mammal health: measures of the nervous and immune systems before and after intense sound exposure. *Canadian Journal of Fisheries and Aquatic Science*. 61:1124-1134.
- Rommel, S.A., A.M. Costidis, A. Fernandez, P.D. Jepson, D.A. Pabst, W.A. McLellan, D.S. Houser, T.W. Cranford, A.L. vanHelden, D.M. Allen, and N.B. Barros. 2006. Elements of beaked whale anatomy and diving physiology and some hypothetical causes of sonar-related stranding. *J. Cetacean Res. Management*. 7(3):189-209.
- Ronald, K., and B. L. Gots, 2003. Seals: Phocidae, Otariidae, and Odobenidae. Pages 789-854 in G. A. Feldhamer, B. C. Thompson, and J. A. Chapman, eds. *Wild mammals of North America: Biology, management, and conservation*. Second edition. John Hopkins University Press: Baltimore, Maryland.
- Rosenbaum, H.C., R.L. Brownell, M.W. Brown, C. Schaeff, V. Portway, B.N. Whiate, S. Malik, L.A. Pastene, N.J. Patenaude, C.S. Baker, M. Goto, P.B. Best, P.J. Clapham, P. Hamilton, M. Moore, R. Payne, V. Rowntree, C.T. Tynan, J.L. Bannister, and R. DeSalle. 2000. World-wide genetic differentiation of *Eubalaena*: Questioning the number of right whale species. *Molecular Ecology*. 9:1793-1802.
- Rosenbaum, H.C., M. Egan, P.J. Clapham, P.J. Brownell, R.L. Jr., Malik, S., Brown, M.W., White, B.N., Walsh, P., and DeSalle, R. 2000. Utility of North Atlantic right whale museum specimens for assessing changes in genetic diversity. *Conservation Biology*. 14:1837-1842.
- Ross, D. 1976. *Mechanics of underwater noise*. Pergamon, New York. 375 pp.
- Roughgarden, J., S. Gaines, and H. Possingham, 1988. Recruitment dynamics in complex life cycles. *Science* 241(4872):1460-1466.
- Rowntree, V., J. Darling, G. Silber, and M. Ferrari. 1980. Rare sighting of a right whale (*Eubalaena glacialis*) in Hawaii. *Canadian Journal of Zoology*. 58:309-312.
- Rugh, D.J., M.M. Muto, S.E. Moore, and D.P. DeMaster. 1999. Status review of the eastern north Pacific stock of gray whales. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-103, 93 p.
- Salden, D. R. 1988. Humpback whale encounter rates offshore of Maui, Hawaii. *Journal of Wildlife Management*. 52:301-304.
- Salden, D.R., and J. Mickelsen. 1999. Rare sighting of a North Pacific right whale (*Eubalaena glacialis*) in Hawaii. *Pacific Science*. 53:341-345.
- Salden, D.R., L. M. Herman, M. Yamaguchi, and F. Sato. 1999. Multiple visits of individual humpback whales (*Megaptera novaeangliae*) between the Hawaiian and Japanese winter grounds. *Canadian Journal of Zoology*. 77:504-508.

- Sanpera, C., and A. Aguilar. 1992. Modern whaling off the Iberian Peninsula during the 20th century. *Rep. int. Whal. Commn.* 42:723-730.
- Sanvito, S., and F. Galimberti. 2003. Source level of male vocalizations in the genus *Mirounga*: Repeatability and correlates. *Bioacoustics*. 14:47-59.
- Sapolsky, R. M. 2005. The influence of social hierarchy on primate health. *Science*. 308: 648-652.
- Saunders, J.C., J.H. Mills, and J.D. Miller. 1977. Threshold shift in the chinchilla from daily exposure to noise for six hours. *Journal of the Acoustical Society of America*. 61:558-570.
- Scammon, C.M. 1874. The marine mammals of the north-western coast of North America, described and illustrated: Together with an account of the American whale fishery. John H. Carmany and Company, San Francisco, CA. 319p.
- Scarff, J.E. 1986. Historic and present distribution of the right whale (*Eubalaena glacialis*) in the eastern North Pacific south of 50°N and east of 180°W. *Reports of the International Whaling Commission, Special Issue*. 10:43-63.
- Scarff, J.E. 1991. Historic distribution and abundance of the right whale (*Eubalaena glacialis*) in the North Pacific, Bering Sea, Sea of Okhotsk and Sea of Japan from the Maury Whale Charts. *Reports of the International Whaling Commission*. 41:467-489.
- Scheffer, V.B., and J.W. Slipp. 1948. The whales and dolphins of Washington State with a key to the cetaceans of the west coast of North America. *Am. Midl. Nat.* 39:257B337.
- Scheifele, P.M., S. Andrew, R.A. Cooper, M. Darre, F.E. Musiek, and L. Max. 2005. Indication of a Lombard vocal response in the St. Lawrence River beluga. *Journal of the Acoustical Society of America*. 117:1486-1492.
- Schilling, M.R., I. Seipt, M.T. Weinrich, S.E. Frohock, A.E. Kuhlberg, and P.J. Clapham. 1992. Behavior of individually-identified sei whales *Balaenoptera borealis* during an episodic influx into the southern Gulf of Maine in 1986. *Fishery Bulletin*. 90:749-755.
- Schlundt, C.E., J.J. Finneran, D.A. Carder, and S.H. Ridgway. 2000. Temporary shift in masked hearing thresholds of bottlenose dolphins, *Tursiops truncatus*, and white whales, *Delphinapterous leucas*, after exposure to intense tones. *Journal of the Acoustical Society of America*. 107:3496-3508.
- Schlundt, C.E., R.L. Dear, D.A. Carder, and J.J. Finneran. 2006. Growth and recovery of temporary threshold shifts in a dolphin exposed to mid-frequency tones with durations up to 128 s. *Journal of the Acoustical Society of America*. 120:3227A.
- Schneider, D. C., and P. M. Payne, 1983. Factors affecting haul-out of harbor seals at a site in southeastern Massachusetts. *Journal of Mammalogy* 64(3):518-520.
- Schoenherr, J.R. 1991. Blue whales feeding on high concentrations of euphausiids around Monterey Submarine Canyon. *Canadian Journal of Zoology*. 69:583-594.
- Schotten, M., W.W.L. Au, M.O. Lammers, and R. Aubauer. 2004. Echolocation recordings and localization of wild spinner dolphins (*Stenella longirostris*) and pantropical spotted dolphins (*S. attenuata*) using a four-hydrophone array. Pages 393-400 in J.A. Thomas, C.F. Moss and M. Vater, eds. *Echolocation in bats and dolphins*. Chicago, Illinois: University of Chicago Press.
- Schreer, J.F., K.M. Kovacs, and R.J.O. Hines. 2001. Comparative diving patterns of pinnipeds and seabirds. *Ecological Monographs*. 71:137-162.

- Schusterman, R.J., Balliet, R.F., and Nixon, J. 1972. Underwater audiogram of the California sea lion by the conditioned vocalization technique. *Journal of the Experimental Analysis of Behavior*, 17:339-350.
- Schusterman, R.J., Gentry, R., and Schmook, J. 1967. Underwater sound production by captive California sea lions. *Zoologica*, 52:21-24.
- Schusterman, R.J. 1974. Auditory sensitivity of a California sea lion to airborne sound. *Journal of the Acoustical Society of America*, 56:1248-1251.
- Schusterman, R.J. 1977. Temporal patterning in sea lion barking (*Zalophus californianus*). *Behavioral Biology*, 20:404-408.
- Schusterman, R.J. 1978. Vocal communication in pinnipeds. In: *Studies of Captive Wild Animals*, H. Markowitz and V. Stevens (Eds), Nelson Hall, Chicago.
- Schusterman, R.J., Gentry, R., and Schmook, J. 1996. Underwater vocalizations by sea lions: social and mirror stimuli. *Science*, 154:540-542.
- Schusterman, R.J., Kastak, D., Levenson, D.H., Reichmuth, C.J., and Southall, B.L. 2000. Why pinnipeds don't echolocate. *Journal of the Acoustical Society of America*, 107(4):2256-2264.
- Schwartz, M., A. Hohn, A. Bernard, S. Chivers, and K. Peltier. 1992. Stomach contents of beach cast cetaceans collected along the San Diego County coast of California, 1972-1991. Southwest Fisheries Science Center Administrative Report LJ-92-18. La Jolla, California: National Marine Fisheries Service.
- Scott M.D., A.A. Hohn., A.J. Westgate, J.R. Nicolas., B.R. Whitaker and W.B Campbell. 2001. A note on the release and tracking of a rehabilitated pygmy sperm whale (*Kogia breviceps*). *Journal of Cetacean Research and Management*. 3:87-94.
- Scott, M.D., and K.L. Cattanach. 1998. Diel patterns in aggregations of pelagic dolphins and tuna in the eastern Pacific. *Marine Mammal Science*. 14:401-428.
- Scott, T. M., and S. S. Sadove, 1997. Sperm whale, *Physeter macrocephalus*, sightings in the shallow shelf waters off Long Island, New York. *Marine Mammal Science* 13(2):317-321.
- Seagars, D.J. 1984. The Guadalupe fur seal: a status review. Administrative Report SWR-84-6. Southwest Region, National Marine Fisheries Service, Terminal Island, CA.
- Sears, R. 1990. The Cortez blues. *Whalewatcher*. 24(2):12-15.
- Selzer, L.A. and P.M. Payne. 1988. The distribution of white-sided dolphins (*Lagenorhynchus acutus*) and common dolphins (*Delphinus delphis*) vs. environmental features of the continental shelf of the northeastern United States. *Marine Mammal Science*. 4:141-153.
- Skov, H., T. Gunnlaugsson, W.P. Budgell, J. Horne, L. Nøttestad, E. Olsen, H. Sjøiland, G. Víkingsson and G. Waring. 2007. Small-scale spatial variability of sperm and sei whales in relation to oceanographic and topographic features along the Mid-Atlantic Ridge. *Deep Sea Research Part II: Topical Studies in Oceanography* 55(1-2):254-268.
- Seagars, D.J., 1984. The Guadalupe fur seal: a status review. Administrative Report SWR-84-6. Southwest Region, National Marine Fisheries Service, Terminal Island, CA.
- Selzer, L.A. and P.M. Payne. 1988. The distribution of white-sided dolphins (*Lagenorhynchus acutus*) and common dolphins (*Delphinus delphis*) vs. environmental features of the continental shelf of the northeastern United States. *Marine Mammal Science*. 4:141-153

- Sergeant, D.E. 1982. Some biological correlates of environmental conditions around Newfoundland during 1970-1979: harp seals, blue whales and fulmar petrels. North Atlantic Fisheries Organization. NAFO. Scientific Council Studies. 5:107-110.
- Seyle, H. 1950. Stress and the general adaptation syndrome. *British Medical Journal*. 1383-1392.
- Shane, S.H. 1994. Occurrence and habitat use of marine mammals at Santa Catalina Island, California from 1983-91. *Bulletin of the Southern California Academy of Sciences*. 93:13-29.
- Shane, S.H., 1995. Behavior patterns of pilot whales and Risso's dolphins off Santa Catalina Island, California. *Aquatic Mammals* 21(3):195-197.
- Shelden K.E.W, S.E. Moore J.M. Waite, P.R. Wade, and D.J. Rugh. 2005. Historic and current habitat use by North Pacific right whales, *Eubalaena japonica*, in the Bering Sea and Gulf of Alaska. *Mammal Rev.* 35:129–155.
- Shiple, C., B.S. Stewart, and J. Bass. 1992. Seismic communication in northern elephant seals. Pages 553-562 in J.A. Thomas, R.A. Kastelein, and A.Y. Supin, eds. *Marine mammal sensory systems*. New York: Plenum Press.
- Sigurjónsson, J. 1988. Operational factors of the Icelandic large whale fishery. *Rep. int. Whal. Commn.* 38:327-333.
- Silber, G.K. 1986. The relationship of social vocalizations to surface behavior and aggression in the Hawaiian humpback whale (*Megaptera novaeangliae*). *Canadian Journal of Zoology*. 64:2075-2080.
- Simão, S. M., and S. C. Moreira, 2005. Vocalizations of female humpback whale in Arraial do Cabo (RJ, Brazil). *Marine Mammal Science* 21(1):150-153.
- Simmonds, M. P. and L. F. Lopez-Jurado, 1991. Whales and the military. *Nature* 351:448.
- Simmonds, M.P. and J.D. Hutchinson, 1996. "The Conservation of Whales and Dolphins: Science and Practice". John Wiley & Sons, Chichester, UK.
- Simmonds, M.P. and S.J. Mayer. 1997. An evaluation of environmental and other factors in some recent marine mammal mortalities in Europe: implication for conservation and management. *Environmental Review*. 5(2):89-98.
- Simmonds, M.P. and S.J. Isaac. 2007. The impacts of climate change on marine mammals: Early Signs of Significant Problems. *Oryx*. 41:19-26.
- Širović, A., J.A. Hildebrand, and Sean M. Wiggins. 2007. Blue and fin whale call source levels and propagation range in the Southern Ocean. *J. Acoust. Soc. Am.* 122:1208-1215.
- Skov, H., J. Durinck, and D. Bloch, 2003. Habitat characteristics of the shelf distribution of the harbour porpoise (*Phocoena phocoena*) in the waters around the Faroe Islands during summer. *North Atlantic Marine Mammal Commission (NAMMCO) Scientific Publications* 5:31-40.
- Slijper, E. J., W. L. van Utrecht, and C. Naaktgeboren, 1964. Remarks on the distribution and migration of whales, based on observations from Netherlands ships. *Bijdragen Tot de Dierkunde* 34:3-93.
- Smith, M.E., A.S. Kane, and A.N. Popper. 2004. Acoustical stress and hearing sensitivity in fishes: does the linear threshold shift hypothesis hold water?. *Journal of Experimental Biology*. 207:3591-3602.

- Soto, N. A., M. A. Johnson, P. T. Madsen, P. L. Tyack, A. Bocconcelli and J. F. Borsani. 2006. Does intense ship noise disrupt foraging in deep-diving Cuvier's beaked whales (*Ziphius cavirostris*)? *Marine Mammal Science*. 22(3): 690-699.
- Southall, B.L., R.J. Schusterman, and D. Kastak. 2000. Masking in three pinnipeds: underwater, low-frequency critical ratios. *Journal of the Acoustical Society of America*. 108:1322-1326.
- Southall, B.L., R.J. Schusterman, and D. Kastak. 2003. Auditory masking in three pinnipeds: Aerial critical ratios and direct critical bandwidth measurements. *Journal of the Acoustical Society of America*. 114:1660-1666.
- Southall, B.L., R. Braun, F.M. D. Gulland, A.D. Heard, R. Baird, S. Wilkin and T.K. Rowles. 2006. Hawaiian melon-headed whale (*Peponocephala electra*) mass stranding event of July 3-4, 2004. NOAA Technical Memorandum NMFS-OPR-31. 73 pp.
- Southall, B.L., A.E. Bowles, W.T. Ellison, J.J. Finneran, R.L. Gentry, C.R. Greene, D. Kastak, D.R. Ketten, J.H. Miller, P.E. Nachtigall, W.J. Richardson, J.A. Thomas, and P.L. Tyack. 2007. Marine Mammal Noise Exposure Criteria: Initial Scientific Recommendations. *Aquatic Mammals*. 33:411-521.
- Spikes, C.H. and C.W. Clark, 1996. Whales 95—Revolutionizing marine mammal monitoring technology. *Sea Technology*. 4:49-56.
- Stacey, P.J., and R.W. Baird. 1991. Status of the false killer whale, *Pseudorca crassidens*, in Canada. *Canadian Field-Naturalist*. 105:189-197.
- Stafford, K.M., S.L. Nieukirk, and C.G. Fox. 2001. Geographic and seasonal variation of blue whale calls in the North Pacific. *Journal of Cetacean Research and Management*. 3:65-76.
- Stafford, K.M., S.E. Moore, and C.G. Fox. 2005. Diel variation in blue whale calls recorded in the eastern tropical Pacific. *Animal Behaviour*. 69:951-958.
- St. Aubin, D.J., and J.R. Geraci. 1988. Capture and handling stress suppresses circulating levels of thyroxine (T4) and triiodothyronine (T3) in beluga whales *Delphinapterus leucas*. *Physiological Zoology*. 61:170-175.
- St. Aubin, D.J. and J.R. Geraci. 1989. Adaptive changes in hematologic and plasma chemical constituents in captive beluga whales, *Delphinapterus leucas*. *Canadian Journal of Fisheries and Aquatic Science*. 46:796-803.
- St. Aubin, D.J., S.H. Ridgway, R.S. Wells, and H. Rhinehart. 1996. Dolphin thyroid and adrenal hormones: Circulating levels in wild and semidomesticated *Tursiops truncatus*, and influence of sex, age, and season. *Marine Mammal Science*. 12:1-13.
- St. Aubin, D.J., S. DeGuise, P.R. Richard, T.G. Smith, and J.R. Gerack. 2001. Hematology and plasma chemistry as indicators of health and ecological status in beluga whales, *Delphinapterus leuca*. *Arctic*. 54:317-331.
- St. Aubin, D.J. and L.A. Dierauf. 2001. Stress and Marine Mammals. In *Marine Mammal Medicine* (second edition), eds. Dierauf, L. A. and F. M. D. Gulland, 253-269. Boca Raton, Florida: CRC Press.
- St. Aubin, D.J. 2002. Further assessment of the potential for fishery-induced stress on dolphins in the eastern tropical Pacific. (Southwest Fisheries Science Center), pp. 1-12.

- Steiger, G.H., J. Calambokidis, R. Sears, K.C. Balcomb, and J.C. Cubbage, 1991. Movement of humpback whales between California and Costa Rica. *Marine Mammal Science* 7:306-310.
- Stern, J.S. 1992. Surfacing rates and surfacing patterns of minke whales (*Balaenoptera acutorostrata*) off central California, and the probability of a whale surfacing within visual range. *Reports of the International Whaling Commission*. 42:379-385.
- Stern, J.S. 2002. Migration and movement patterns. Pages 742-748 in W.F. Perrin, B. Würsig, and J.G.M. Thewissen, eds. *Encyclopedia of marine mammals*. San Diego: Academic Press.
- Stevick, P.T., B.J. McConnell, and P.S. Hammond. 2002. Patterns of movement. Pages 185-216 in A.R. Hoelzel, ed. *Marine mammal biology: An evolutionary approach*. Oxford: Blackwell Science.
- Stewart, B. S. and S. Leatherwood, 1985. Minke whale *Balaenoptera acutorostrata* Lacepede, 1804. Pages 91-136 in Ridgway, S. H. and R. Harrison, eds. *Handbook of marine mammals*. Volume 3: The sirenians and baleen whales. Academic Press: San Diego, California.
- Stewart, B.S., and H.R. Huber. 1993. *Mirounga angustirostris*. *Mammalian Species* 449:1-10.
- Stewart, B.S., and R.L. DeLong. 1995. Double migrations of the northern elephant seal, *Mirounga angustirostris*. *Journal of Mammalogy*. 76:196-205
- Stewart, B.S. 1997. Ontogeny of differential migration and sexual segregation in northern elephant seals. *Journal of Mammalogy*. 78:1101-1116.
- Stimpert, A.K., D.N. Wiley, W.W.L. Au, M.P. Johnson, and R. Arsenault. 2007. 'Megapclicks': acoustic click trains and buzzes produced during night-time foraging of humpback whales (*Megaptera novaeangliae*). *Biology Letters*. 3:467-470.
- Stone, C. J. and M. J. Tasker, 2006. The effects of seismic airguns on cetaceans in U. K. waters. *Journal of Cetacean Research and Management* 8(3):255-263.
- Stone, G.S., S.K. Katona, A. Mainwaring, J.M. Allen, and H.D. Corbett. 1992. Respiration and surfacing rates for finback whales (*Balaenoptera physalus*) observed from a lighthouse tower. *Reports of the International Whaling Commission*. 42:739-745.
- Stone, G.S., L. Cavagnaro, A. Hutt, S. Kraus, K. Baldwin, and J. Brown. 2000. Reactions of Hector's dolphins to acoustic gillnet pingers. (Department of Conservation, Wellington, NZ).
- Suter II, G. W., L. W. Barnhouse, S. M. Bartell, T. Mill, D. Mackay, and S. Paterson 1993. Ecological risk assessment. Lewis Publishers, Boca Raton, Florida.
- Swartz, S.L., A. Martinez, J. Stamates, C. Burks, and A.A. Mignucci-Giannoni. 2002. Acoustic and visual survey of cetaceans in the waters of Puerto Rico and the Virgin Islands: February-March 2001. NOAA Technical Memorandum NMFS-SEFSC-463:1-62.
- Sweeny, M. M., J. M. Price, G. S. Jones, T. W. French, G. A. Early, and M. J. Moore, 2005. "Spondylitic changes in long-finned pilot whales (*Globicephala melas*) stranded on Cape Cod, Massachusetts, USA, between 1982 and 2000," *J. Wildlife Dis.* 41, 717-727.
- Swingle, W.M., S.G. Barco, T.D. Pitchford, W.A. McLellan, and D.A. Pabst, 1993. Appearance of juvenile humpback whales feeding in the nearshore waters of Virginia. *Marine Mammal Science* 9(3):309-315.

- Szymanski, M.D., D.E. Bain, K. Kiehl, S. Pennington, S. Wong, and K.R. Henry. 1999. Killer whale (*Orcinus orca*) hearing: auditory brainstem response and behavioral audiograms. *Journal of the Acoustical Society of America*. 106:1134-1141.
- Teilmann, J., J. Tougaard, L.A. Miller, T. Kirketerp, K. Hansen, and S. Brando. 2006. Reactions of captive harbor porpoises (*Phocoena phocoena*) to pinger-like sounds. *Marine Mammal Science*. 22:240-260.
- Teranishi, A.M., J.A. Hildebrand, M.A. McDonald, S.E. Moore, and K. Stafford, 1997. Acoustic and visual studies of blue whales near the California Channel Islands. *Journal of the Acoustical Society of America*. 102:3121.
- Terhune, J.M. 1988. Detection thresholds of a harbour seal to repeated underwater high-frequency, short duration sinusoidal pulses. *Canadian Journal of Zoology*. 66:1578-1582.
- Terhune, J.M. and W.C. Verboom. 1999. Right whales and ship noise. *Marine Mammal Science*. Vol 15. No.1. pp. 256-258.
- Terhune, J., and S. Turnbull, 1995. Variation in the psychometric functions and hearing thresholds of a harbour seal. Pages 81-93 in Kastelein, R. A., J. A. Thomas, and P. E. Nachtigall, eds. *Sensory Systems of Aquatic Mammals*. De Spil Publishers: Woerden, The Netherlands.
- Thode, A., D.K. Mellinger, S. Stienessen, A. Martinez, and K. Mullin. 2002. Depth-dependent acoustic features of diving sperm whales (*Physeter macrocephalus*) in the Gulf of Mexico. *Journal of the Acoustical Society of America*. 112:308-321.
- Thomas, J., N. Chun, W. Au, and K. Pugh. 1988. Underwater audiogram of a false killer whale (*Pseudorca crassidens*). *Journal of the Acoustical Society of America*. 84:936-940.
- Thomas, J. and R. Kastelein. 1990. *Sensory Abilities of Cetaceans*. Plenum Press, New York.
- Thomas, J., P. Moore, R. Withrow, and M. Stoermer. 1990a. Underwater audiogram of a Hawaiian monk seal (*Monachus schauinslandi*). *Journal of the Acoustical Society of America*. 87:417-420.
- Thomas, J.A., R.A. Kastelein, and F.T. Awbrey. 1990b. Behavior and blood catecholamines of captive belugas during playbacks of noise from an oil drilling platform. *Zoo Biology*. 9:393-402.
- Thompson, D., P. S. Hammon, K. S. Nicholas, and M. A. Fedak, 1991. Movements, diving and foraging behaviour of grey seals (*Halichoerus grypus*). *Journal of Zoology, London* 224:223-232.
- Thompson, P.M., G.J. Pierce, J.R.G. Hislop, D. Miller, and J.S. Diack. 1991. Winter foraging by common seals (*Phoca vitulina*) in relation to food availability in the inner Moray Firth, N.E. Scotland. *Journal of Animal Ecology*. 60:283-294.
- Thompson, P. O., W. C. Cummings, and S. J. Ha, 1986. Sounds, source levels, and associated behavior of humpback whales, southeast Alaska. *Journal of the Acoustical Society of America* 80(3):735-740.
- Thompson, P.O., and W.A. Friedl. 1982. A long term study of low frequency sounds from several species of whales off Oahu, Hawaii. *Cetology*. 45:1-19.
- Thompson, T.J., H.E. Winn, and P.J. Perkins. 1979. Mysticete sounds. In *Behavior of marine animals*, Volume 3. H.E. Winn and B.L. Olla, (eds.), Plenum, NY. 438 pp.

- Thorson, P.H., J.K. Francine, E.A. Berg, L.E. Meyers, D.A. Eidson and G.W. Oliver. 1999. Quantitative Analysis of Behavioral Responses for Selected Pinnipeds on Vandenberg Air Force Base and San Miguel Island, California and Acoustic Measurement of the 24 September 1999 Athena 2 IKONOS-II Launch. SRS Technologies technical report submitted to Lockheed Martin Environmental Services and the National Marine Fisheries Service. 35 pp.
- Thurman, H.V. 1997. Introductory Oceanography. Upper Saddle River, New Jersey: Prentice Hall.
- Tillman, M.F. 1977. Estimates of population size for the North Pacific sei whale. Rept. Int. Whal. Commn., Special Issue 1:98-106.
- Trimper, P. G., N. M. Standen, L. M. Lye, D. Lemon, T. E. Chubbs, and G. W. Humphries., 1998. Effects of lowlevel jet aircraft noise on the behaviour of nesting osprey. The Journal of Applied Ecology. 35:9.
- Turl, C.W., 1993. Low-frequency sound detection by a bottlenose dolphin. Journal of the Acoustical Society of America 94(5):3006-3008.
- Turnbull, S.D. and J.M. Terhune. 1990. White noise and pure tone masking of pure tone thresholds of a harbour seal listening in air and underwater. Canadian Journal of Zoology. 68:2090-2097.
- Tyack, P., and H. Whitehead, 1983. Male competition in large groups of wintering humpback whales. Behaviour 83:132-153.
- Tyack, P. 2008. Implications for marine mammals of large-scale changes in the marine acoustic environment. Journal of Mammalogy. 89::549-558.
- Tyack, P.L., J. Gordon, and D. Thompson. 2004. Controlled Exposure Experiments to Determine the Effects of Noise on Marine Mammals. Marine Technology Society Journal. 37(4): 41-53.
- Tyack, P.L., M.P. Johnson, M.A. de Soto, A. Sturlese, and P.T. Madsen. 2006b. Extreme diving of beaked whales. Journal of Experimental Biology. 209:4238-4253.
- Tyack, P.L., M.P. Johnson, W.M.X. Zimmer, P.T. Madsen, and M.A. de Soto. 2006a. Acoustic behavior of beaked whales, with implications for acoustic monitoring. Oceans. 2006. 1-6.
- Tynan, C.T., D.P. DeMaster, and W.T. Peterson. 2001. Endangered right whales on the southeastern Bering Sea shelf. Science. 294:1894.
- United States Fish and Wildlife Service (USFWS). 2003. Final Revised Recovery Plan for the Southern Sea Otter (*Enhydra lutris nereis*). Portland, Oregon. 165 pp.
- United States Fish and Wildlife Service (USFWS). 2001. Notice of Policy Regarding Capture and Removal of Southern Sea Otters in a Designated Management Zone. Federal Register. Volume 66, Number 14. Pp. 6649-6652.
- Urian, K. W., D. A. Duffield, A. J. Read, R. S. Wells, and E. D. Shell, 1996. Seasonality of reproduction in bottlenose dolphins, *Tursiops truncatus*. Journal of Mammalogy 77(2):394-403.
- Urlick, R. J. 1983. Principles of Underwater Sound for Engineers, McGraw-Hill, NY, 1975.
- Van Dolah, F.M. 2005. Effects of Harmful Algal Blooms. IN: J.E. Reynolds III, W.F. Perrin, R.R. Reeves, S. Montgomery, T.J. Ragen. Marine Mammal Research. John Hopkins University Press, Baltimore. pp. 85-99.

- Van Dolah, F.M., G.J. Doucette, F.M.D. Gulland, T.L. Rowles, and G.D. Bossart. 2003. Impacts of algal toxins on marine mammals. IN: J.G. Vos, G.D. Bossart, M. Fournier, and T.J. O'Shea, eds. *Toxicology of Marine Mammals*, Taylor & Francis, London and New York. pp. 247-269.
- Van Parijs, S. M., P. J. Corkeron, J. Harvey, S. A. Hayes, D. K. Mellinger, P. A. Rouget, P. M. Thompson, M. Wahlberg, and K. M. Kovacs, 2003. Patterns in the vocalizations of male harbor seals. *Journal of the Acoustical Society of America* 113(6):3403-3410.
- Vanderlaan, A. S. M. and C. T. Taggart. 2007. Vessel collisions with whales: the probability of lethal injury based on vessel speed. *Marine Mammal Science*. 23(1): 144-156.
- Veirs, V. 2004. Source levels of free-ranging killer whale (*Orcinus orca*) social vocalizations. *Journal of the Acoustical Society of America*. 116:2615.
- Vidal, O. and J.-P. Gallo-Reynoso. 1996. Die-offs of marine mammals and sea birds in the Gulf of California, Mexico. *Marine Mammal Science*. 12(4): 627-635.
- Visser, I.K.G., J.S. Teppema, and A.D.M.E. Ostrhaus. 1991. Virus infections of seals and other pinnipeds. *Reviews in Medical Microbiology*. 2:105-114.
- Von Saunder, A., and J. Barlow. 1999. A report of the Oregon, California and Washington line-transect experiment (ORCAWALE) conducted in West Coast waters during Summer/Fall 1996. NOAA Technical Memorandum NMFS-SWFSC-264:1-49.
- Wade, L.S. and G.L. Friedrichsen. 1979. Recent sightings of the blue whale, *Balaenoptera musculus*, in the northeastern tropical Pacific. *Fishery Bulletin*. 76:915-919.
- Wade, P.R. and T. Gerrodette. 1993. Estimates of cetacean abundance and distribution in the eastern tropical Pacific. *Reports of the International Whaling Commission*. 43:477-493.
- Wade, P., M.P. Heide-Jørgensen, K. Shelden, J. Barlow, J. Carretta, J. Durban, R. LeDuc, L. Munger, S. Rankin, A. Sauter, and C. Stinchcomb. 2006. Acoustic detection and satellite-tracking leads to discovery of rare concentration of endangered North Pacific right whales. *Biological Letters*. 3pp.
- Wahlberg, M. 2002. The acoustic behaviour of diving sperm whales observed with a hydrophone array. *Journal of Experimental Marine Biology and Ecology*. 281:53-62.
- Walker, M.M., J.L. Kirschvink, G. Ahmed and A.E. Dizon. 1992. Evidence that fin whales respond to the geomagnetic field during migration. *Journal of Experimental Biology*. 171(1): 67-78.
- Walker, W.A. 1981. Geographical variation in morphology and biology of bottlenose dolphins (Tursiops) in the eastern North Pacific. Southwest Fisheries Science Center Administrative Report LJ-81-03C. La Jolla, California: National Marine Fisheries Service.
- Walker, W.A., J.G. Mead, and R.L. Brownell. 2002. Diets of Baird's beaked whales *Berardius bairdii*, in the southern Sea of Okhotsk and off the Pacific Coast of Honshu, Japan. *Marine Mammal Science*. 18:902-919.
- Walsh, M. T., R. Y. Ewing, D. K. Odell and G. D. Bossart. 2001. Mass Stranding of Cetaceans. *CRC Handbook of Marine Mammals*. L. A. Dierauf and F. M. D. Gulland, CRC Press: pp. 83-93.
- Wang, M.-C., W.A. Walker, K.T. Shao, and L.S. Chou. 2002. Comparative analysis of the diets of pygmy sperm whales and dwarf sperm whales in Taiwanese waters. *Acta Zoologica Taiwanica*. 13:53-62.

- Ward, W.D. 1960. Recovery from high values of temporary threshold shift. *Journal of the Acoustical Society of America*. 32:497–500.
- Ward, W.D. 1997. Effects of high-intensity sound. In *Encyclopedia of Acoustics*, ed. M.J. Crocker, 1497-1507. New York: Wiley.
- Ward, W.D., A. Glorig, and D.L. Sklar. 1959. Temporary threshold shift from octave-band noise: Applications to damage-risk criteria. *Journal of the Acoustical Society of America*. 31:522–528.
- Ward, W.D., A. Glorig, and DL. Sklar. 1958. Dependence of temporary threshold shift at 4 kc on intensity and time. *Journal of the Acoustical Society of America*. 30:944–954.
- Waring, G. T., and J. T. Finn, 1995. Cetacean trophic interactions off the northeast USA inferred from spatial and temporal co-distribution patterns. Unpublished meeting document. ICES C.M, 1995/N:7:1-44. International Council for the Exploration of the Sea: Copenhagen, Denmark.
- Waring, G. T., J. M. Quintal, and C. P. Fairfield, eds, 2002. U. S. Atlantic and Gulf of Mexico marine mammal stock assessments – 2002. NOAA Technical Memorandum NMFS-NE-169:1-318.
- Waring, G. T., T. Hamazaki, D. Sheehan, G. Wood, and S. Baker, 2001. Characterization of beaked whale (*Ziphiidae*) and sperm whale (*Physeter macrocephalus*) summer habitat in shelf-edge and deeper waters off the northeast U. S. *Marine Mammal Science* 17(4):703-717.
- Wartzok, D., and Ketten, D. 1999. Marine mammal sensory systems. IN: J.E. Reynolds III and S. A. Rommel, eds. *The Biology of Marine Mammals*. Smithsonian Institution Press, Washington, DC.
- Wartzok, D., A. N. Popper, J. Gordon, and J. Merrill. 2003. Factors affecting the responses of marine mammals to acoustic disturbance. *Marine Technology Society Journal*. 37:6–15.
- Wartzok, D., A. N. Popper, J. Gordon, and J. Merrill, 2004. Factors affecting the responses of marine mammals to acoustic disturbance. *Marine Technology Society Journal* 37, 6-15.
- Watkins, W. A., and W. E. Schevill, 1977. Sperm whale codas. *Journal of the Acoustical Society of America* 62(6):1485-1490.
- Watkins, W.A. 1981. Activities and underwater sounds of fin whales. *Sci. Rep. Whales Res. Inst.* 33: 83-117.
- Watkins, W.A., K.E. Moore, and P. Tyack. 1985. Sperm whale acoustic behaviors in the southeast Caribbean. *Cetology*. 49:1-15.
- Watkins, W.A., M.A. Daher, K.M. Fristrup, and T.J. Howald. 1993. Sperm whales tagged with transponders and tracked underwater by sonar. *Marine Mammal Science*. 9:55-67.
- Watkins, W.A., M.A. Daher, N.A. DiMarzio, A. Samuels, D. Wartzok, K.M. Fristrup, P.W. Howey, and R.R. Maiefski. 2002. Sperm whale dives tracked by radio tag telemetry. *Marine Mammal Science*. 18:55-68.
- Watkins, W.A., P. Tyack, K.E. Moore, and J.E. Bird. 1987. The 20-Hz signals of finback whales (*Balaenoptera physalus*). *Journal of the Acoustical Society of America*. 82:1901-1912.
- Watwood, S.L., P.J.O. Miller, M. Johnson, P.T. Madsen and P.L. Tyack. 2006. Deep-diving foraging behaviour of sperm whales (*Physeter macrocephalus*). *Journal of Ecology*. 75:814-825.

- Weilgart, L. and H. Whitehead. 1993. Coda communication by sperm whales (*Physeter microcephalus*) off the Galapagos Islands. *Canadian Journal of Zoology*. 71:744-752.
- Weilgart, L. and H. Whitehead. 1997. Group-specific dialects and geographical variation in coda repertoire in South Pacific sperm whales. *Behavioral Ecology and Sociobiology* 40:277-285.
- Weise, M.J., D.P. Costa, and R.M. Kudela. 2006. Movement and diving behavior of male California sea lion (*Zalophus californianus*) during anomalous oceanographic conditions of 2005. *Geophysical Research Letters*. 33:L22S10.
- Welch, B. L. and A. S. Welch (eds.). 1970. *Physiological effects of noise*. Plenum Press, New York, NY.
- Weller, D. W., B. Würsig, H. Whitehead, J. C. Norris, S. K. Lynn, R. W. Davis, N. Clauss, and P. Brown, 1996. Observations of an interaction between sperm whales and short-finned pilot whales in the Gulf of Mexico. *Marine Mammal Science* 12(4):588-594.
- Weller, D. W., B. Würsig, S. K. Lynn, and A. J. Schiro, 2000. Preliminary findings on the occurrence and site fidelity of photo-identified sperm whales (*Physeter macrocephalus*) in the northern Gulf of Mexico. *Gulf of Mexico Science* 18(1):35-39.
- Wells, R. S., L. J. Hansen, A. Baldrige, T. P. Dohl, D. L. Kelly, and R. H. Defran, 1990. Northward extension of the range of bottlenose dolphins along the California coast. Pages 421-431 in S. Leatherwood and R. R. Reeves, eds. *The bottlenose dolphin*. Academic Press: San Diego, California.
- Wells, R.S., D.J. Boness, and G.B. Rathbun. 1999. Behavior. *Biology of Marine Mammals* (ed. J.E. Reynolds III and S.A. Rommel), pp 117-175.
- Weston, D.E. 1960. Underwater Explosions as Acoustic Sources. *Proceedings of the Physics Society*. 76: 233.
- Whitehead, H, S. Brennan and D. Grover. 1992. Distribution and behaviour of male sperm whales on the Scotian Shelf, Canada. *Canadian Journal of Zoology*. 70:912-918.
- Whitehead, H. 2003. *Sperm whales: Social evolution in the ocean*. Chicago: University of Chicago Press.
- Whitehead, H., and L. Weilgart. 1991. Patterns of visually observable behaviour and vocalizations in groups of female sperm whales. *Behaviour*. 118:276-296.
- Wiggins, S.M., M.A. McDonald, L.M. Munger, S.E. Moore, and J.A. Hildebrand. 2004. Waveguide propagation allows range estimates for North Pacific right whales in the Bering Sea. *Canadian Acoustics*. 32:146-154.
- Wiley, D. N., R. A. Asmutis, T. D. Pitchford, and D. P. Gannon, 1995. Stranding and mortality of humpback whales, *Megaptera novaeangliae*, in the mid-Atlantic and southeast United States, 1985-1992. *Fishery Bulletin* 93:196-205.
- Wilkinson, D.M. 1991. Report to the Assistant Administrator for Fisheries, in Program Review of the Marine Mammal Stranding Network. U.S. Department of Commerce, National Oceanographic and Atmospheric Administrations, National Marine Fisheries Service, Silver Springs, MD. 171 pp.
- Williams, A. D., R. Williams, and T. Brereton, 2002. The sighting of pygmy killer whales (*Feresa attenuata*) in the southern Bay of Biscay and their association with cetacean calves. *Journal of the Marine Biological Association of the U. K.* 82:509-511.

- Willis, P.M., and R.W. Baird. 1998. Status of the dwarf sperm whale, *Kogia simus*, with special reference to Canada. *Canadian Field-Naturalist*. 112:114-125.
- Wilson, J., L. Rotterman, and D. Epperson, 2006. Minerals Management Service Overview of Seismic Survey Mitigation and Monitoring on the U. S. Outer Continental Shelf. Presented to the Scientific Committee of the International Whaling Commission, SC/58/E8. 13 pp.
- Wingfield, J.C. 2003. Control of behavioural strategies for capricious environments. *Animal Behaviour*. 66:807-816.
- Winn, H.E., and P.J. Perkins. 1976. Distribution and sounds of the minke whale, with a review of mysticete sounds. *Cetology*. 19:1-12.
- Winn, H.E., J.D. Goodyear, R.D. Kenney, and R.O. Petricig. 1995. Dive patterns of tagged right whales in the Great South Channel. *Continental Shelf Research*. 15:593-611.
- Witteveen, B. H., J. M. Straley, O. Von Ziegesar, D. Steel, and C. S. Baker. 2004. Abundance and mtDNA differentiation of humpback whales (*Megaptera novaeangliae*) in the Shumagin Islands, Alaska. *Canadian Journal of Zoology*. 82:1352-1359.
- Wolanski, E., R.H. Richmond, G. Davis, E. Deleersnijder, and R.R. Leben. 2003. Eddies around Guam, an island in the Mariana Islands group. *Continental Shelf Research*. 23:991-1003.
- Wolski, L. F., R. C. Anderson, A. E. Bowles, and P. K. Yochem, 2003. Measuring hearing in the harbor seal (*Phoca vitulina*): Comparison of behavioral and auditory brainstem response techniques. *Journal of the Acoustical Society of America* 113:629-637.
- Woodward, B.L. and J.P. Winn. 2006. Apparent lateralized behavior in gray whales feeding off the central British Columbia coast. *Marine Mammal Science*. 22:64-73.
- Würsig, B., R. R. Reeves, and J. G. Ortega-Ortiz, 2002. Global climate change and marine mammals. Pages 589-608 in P. G. H. Evans and J. A. Raga, eds. *Marine mammals: Biology and conservation*. Kluwer Academic/Plenum Publishers: New York.
- Würsig, B., S.K. Lynn, T.A. Jefferson, and K.D. Mullin. 1998. Behaviour of cetaceans in the northern Gulf of Mexico relative to survey ships and aircraft. *Aquatic Mammals*. 24:41-50.
- Würsig, B., T. A. Jefferson, and D. J. Schmidly, 2000. *The marine mammals of the Gulf of Mexico*. Texas A&M University Press: College Station, Texas.
- Yablokov, A.V. 1994. Validity of whaling data. *Nature*. 367:108.
- Yazvenko, S.B., T.L. McDonald, S.A. Blokhin, S.R. Johnson, H.R. Melton, M.W. Newcomer, R. Nielson, and P.W. Wainwright. 2007. Feeding of western gray whales during a seismic survey near Sakhalin Island, Russia. *Environmental Monitoring and Assessment*. 134:93-106.
- Yelverton, J.T. 1981, Underwater Explosion Damage Risk Criteria for Fish, Birds, and Mammals, Manuscript, presented at 102nd Meeting of the Acoustical Society of America, Miami Beach, FL, December, 1982. 32pp.
- Yen PPW, Sydeman WJ, Hyrenbach KD. 2004. Marine bird and cetacean associations with bathymetric habitats and shallow-water topographies: implications for trophic transfer and conservation. *Journal of Marine Systems*. 50:79-99.

- Yochem, P.K., and S. Leatherwood. 1985. Blue whale-*Balaenoptera musculus*. Pages 193-240 in S.H. Ridgway and R. Harrison, eds. Handbook of Marine Mammals. Volume 3: The sirenians and baleen whales. San Diego: Academic Press.
- Yost, W.A. 1994. Fundamentals of Hearing: An Introduction. San Diego: Academic Press.
- Yu, H-Y., H-K. Mok, R-C. Wei, and L-S., Chou. 2003. Vocalizations of a rehabilitated rough-toothed dolphin, *Steno bredanensis*. Page 183 in Abstracts, Fifteenth Biennial Conference on the Biology of Marine Mammals. 14–19 December 2003. Greensboro, North Carolina.
- Yuen, M.M.L., P.E. Nachtigall, M. Breese, and A.Y. Supin. 2005. Behavioral and auditory evoked potential audiograms of a false killer whale (*Pseudorca crassidens*). Journal of the Acoustical Society of America. 118:2688–2695.
- Zeeberg, J., A. Corten and E. de Graaf. 2006. Bycatch and release of pelagic megafauna in industrial trawler fisheries off Northwest Africa. Fisheries Research. 78: 186-195.
- Zimmer, W. M. X., M. P. Johnson, P. T. Madsen, and P. L. Tyack, 2005. Echolocation clicks of free-ranging Cuvier's beaked whales (*Ziphius cavirostris*). Journal of the Acoustical Society of America 117(6):3919-3927.
- Zimmer, W. M. X., and Tyack, P. L. 2007. Repetitive shallow dives pose decompression risk in deep-diving beaked whales. Marine Mammal Science. 23:888-925.
- Zimmerman, S. T. 1991. A History of Marine Mammal Stranding Networks in Alaska, with Notes on the Distribution of the Most Commonly Stranded Cetacean Species, 1975-1987. Marine Mammal Strandings in the United States, Miami, FL, NMFS.

10 SEA BIRDS

- Academy of Natural Sciences, Philadelphia, PA, and American Ornithologists' Union, Washington D.C.
- Ackerman J, Mason J, Takekawa J. 1004. Seabirds off southern California—surveys reveal patterns in abundance and distribution. Sound Waves November. Sound Waves, Coastal Science & Research News from Across the USGS. U.S. Geological Survey. Accessed 6 Apr 2007. <http://soundwaves.usgs.gov/index.html>.
- Ainley DG, Boekelheide RJ (eds). 1990. Seabirds of the Farallon Islands: ecology, dynamics, and structure of an upwelling-system community. Stanford University Press, Stanford, California. 450 pp.
- Ainley, D. G., et al., 1990. Leach's Storm-Petrel and Ashy Storm-Petrel in Seabirds of the Farallon Islands, ecology, dynamics and structure of an upwelling-system community. Stanford University Press, Stanford, CA.
- Ainley DG, Everett WT. 2001. Black storm-petrel (*Oceanodroma melania*). In The Birds of North America, No. 577 (A. Poole and F. Gill, eds.). The Birds of North America, Inc., Philadelphia, Pennsylvania.
- Ainley DG, Sydeman WJ, Hatch SA, Wilson WJ. 1994. Seabird population trends along the west coast of North America: causes and extent of regional concordance. Studies in Avian Biology 15:119-133.
- Ainley DG, Sydeman WJ, Norton J. 1995. Upper trophic level predators indicate interannual negative and positive anomalies in the California Current food web. Marine Ecology Progress Series 118:69-79.

- Anderson DW, Gress F. 1983. Status of the northern population of California brown pelicans. *Condor* 85:79-88.
- Anderson DW, Jehl JR, Risebrough RW, Woods LA, DeWeese LR, Edgecomb WG. 1975. Brown pelicans: improved reproduction off the southern California coast. *Science* 190:806-808.
- Anderson DW, Gress F, Mais MF. 1982. Brown pelicans: influence of food supply on reproduction. *Oikos* 39:23-31.
- Atwood JL, Minsky DE. 1983. Least tern foraging ecology at three major California breeding colonies. *Western Birds* 14:57-72.
- Audubon. 2002 accessed online, <http://www.audubon2.org/watchlist/viewSpecies.jsp?id=32>
- Audubon. 2005. Birds and science, Accessed online 30 April, 2007. <http://web1.audubon.org/waterbirds/species.php?speciesCode=piggui>
- BirdLife International. 2004a. *Gavia stellata*. In: IUCN 2006. 2006 IUCN Red List of Threatened Species. www.iucnredlist.org. Accessed on 10 May 2007.
- BirdLife International. 2004b. *Gavia immer*. In: IUCN 2006. 2006 IUCN Red List of Threatened Species. www.iucnredlist.org. Accessed on 10 May 2007.
- Birdweb. 2005. Seattle Audubon's guide to the birds of Washington, Accessed online 27 Apr 2006. <http://www.birdweb.org/birdweb/index.aspx>.
- Bretagnolle V. 1990. Effect of moon on activity of petrels (Class Aves) from the Selvagen Islands (Portugal). *Canadian Journal of Zoology* 68: 1404-1409.
- Briggs KT, et al. 1981. Distribution, numbers, and seasonal status of seabirds of the Southern California Bight. In: Summary report 1975-1978: marine mammal and seabird survey of the Southern California Bight area. Vol. III, Book 3. U.S. Department of Commerce, NTIS Rpt. PB-81-248-197. Springfield, VA.
- Briggs KT, Tyler WB, Lewis DB, Carlson DR. 1987. Bird communities at sea off California: 1975 to 1983. *Studies in Avian Biology* 11:1-74.
- Burger AE. 2002. Conservation assessment of marbled murrelets in British Columbia, a review of the biology, populations, habitat associations and conservation. *Canadian Wildlife Service Technical Report* 387:1-168.
- Burkett EE, Rojek NA, Henry AE, Fluharty MJ, Comrack L, Kelly PR, Mahaney AC, Fien KM. 2003. Status review of Xantus's Murrelet (*Synthliboramphus hypoleucus*) in California. California Department of Fish and Game, Habitat Conservation Planning Branch Status Report 2003-01:1-96+ appendices.
- Burr T. 2005. Personal communication via review comments between Mr. Timothy Burr, and Tierra Data Inc., April 25, 2007.
- Byrd, G. V., E. C. Murphy, G. W. Kaiser, A. Y. Kondratyev, and Y. V. Shibaev. 1993. Status and ecology of offshore fish-feeding alcids (murrelets and puffins) in the North Pacific Pages 176-186 in *The status, ecology and conservation of marine birds of the North Pacific* (K. Vermeer, K. T. Briggs, K. H. Morgan and D. Siegel-Causey, Eds.). *Canadian Wildlife Service Special Publication*, Ottawa, Ontario.
- California Department of Fish and Game [CDFG]. 1998 California least tern. Accessed 1 May 2007. California Department of Fish and Game endangered species Information System, http://www.dfg.ca.gov/hcpb/info/bm_research/bm_pdfrpts/2000_01.pdf

- California Department of Fish and Game. 2003. Status review of Xantus' murrelet: Report to the California Fish and Game Commission. November 2003.
- California Department of Fish and Game. 2005a. California Department of Fish and Game natural diversity database (CNDDDB). Sacramento, California: Wildlife and Habitat Data Analysis Branch.
- California Department of Fish and Game. 2005b. Final Market Squid Fishery Management Plan Dated: 25 March 2005.
- California Department of Fish and Game. 2005b. California least tern nesting data for 2004. Sacramento: California Department of Fish and Game, Wildlife and Habitat Data Analysis Branch.
- California Department of Fish and Game. 2006. News Release, accessed online at: <http://www.dfg.ca.gov/OSPR/organizational/admin/news/2006news/brownpelicans-nr-060606.pdf>
- Capitolo, P.J., Davis, J.N., Henkel, L.A., Tyler, W.B., Carter, H.R., and Kelly, P.R., 2007, Monitoring cormorant populations in Southern California in 2005-06: Asilomar, California, Pacific Seabird Group Annual Meeting, Abstracts:53-54 (www.pacificseabirdgroup.org/).
- Carter, H. 2007. Personal Communication. Humboldt State University and Carter Biological Consulting, Arcata, CA.
- Carter, H. 2007. Unpublished data. Humboldt State University and Carter Biological Consulting, Arcata, CA.
- Carter HR, Morrison ML (eds). 1992. Status and conservation of the marbled murrelet in North America. Proceedings of a 1987 Pacific Seabird Group Symposium. Proceedings of the Western Foundation of Vertebrate Zoology 5. Camarillo, California. 134 pp.
- Carter HR, McChessney GJ, Jaques DL, Strong CS, Parker MW, Takekawa JE, Jory DL, Whitworth DL. 1992. Breeding Populations of Seabirds in California, 1989-1991. Vol. 1 – Population Estimates, Unpublished Final Report, U.S. Fish and Wildlife Service, Northern Prairie Wildlife Research Center, Dixon, California.
- Channel Island National Park. 2005. Seabird Monitoring Annual Report (in prep), National Park Service, Department of the Interior, Washington, D.C.
- Committee on the Status of Endangered Wildlife in Canada [COSEWIC]. 2003. COSEWIC assessment and update status report on the short-tailed albatross *Phoebastria albatrus* in Canada. Ottawa: Committee on the Status of Endangered Wildlife in Canada.
- Croxall JP (ed). 1991. Seabird status and conservation: A supplement. International Council for Bird Preservation (ICBP) Technical Publication.
- Cummings JL, Sheffer KH. 2007. Wildlife hazard assessment for Naval Auxiliary Landing Field, San Clemente Island, Naval Base Coronado, California, Prepared by National Wildlife Research Center, United States Department of Agriculture, Wildlife Services, 4101 La Porte Avenue, Fort Collins, CO 80525.
- Dailey MD, Reish DJ, Anderson JW (eds). 1993. Ecology of the Southern California Bight: A Synthesis and Interpretation. Univ. Calif. Press, Berkeley
- Del Hoyo J, Elliot A, Sargatal J (eds). 1992. Handbook of the birds of the world. Barcelona, Spain: Lynx Edicions.

- DoN, 2007. Wildlife Hazard Assessment for Naval Auxiliary Landing Field, San Clemente Island, Naval Base Coronado, California, 2002. Prepared by U.S. Department of Agriculture Wildlife Services, National Wildlife Research Center, Fort Collins, CO.
- Drost, C.A., 1989. Predation and population cycles on a southern California island. M.Sc. Thesis, University of California, Davis.
- Drost CA, Lewis DB. 1995. Xantus's murrelet (*Synthliboramphus hypoleucus*). In The Birds of North America 164 (A. Poole and F. Gill, eds.) The Academy of Natural Sciences, Philadelphia and the American Ornithologists Union. Washington, D.C.
- Emms, S.K. and N.A.M. Verbeek, 1989. Significance of the Pattern of Nest Distribution in the Pigeon Guillemot (*Cepphus Columba*), The Auk. Vol. 106, No. 2. (1989), pg 193-202.
- Enticott J, Tipling D. 1997. Seabirds of the world: The complete reference. Mechanicsburg, Pennsylvania: Stackpole Books.
- Erickson RA, Hamilton RA, Howell SNG, Pyle P, Patten MA. 1995. First record of the marbled murrelet and third record of the ancient murrelet for Mexico. Western Birds 26:39-45.
- Farrand F. 1983. The Audubon Society master guide to birding. Volume 1: Loons-sandpipers. New York: Alfred A. Knopf.
- Fjeld, P.E., Gabrielsen, G.W., and Orbaek, J.B. 1988: Noise from Helicopters and its effects on a colony of Brunnich's guillemots (*Uria Lonvia*) on Svalbard In. Presterud, P. & N.A. Oritsland, Norsk Polarinstitut Rapport 41:115-153.
- Forest Ecosystem Management Assessment Team [FEMAT]. 1994. Forest ecosystem management: and ecological, economic, and social assessment. U.S. Departments of Agriculture and Interior, Washington, D.C..
- Gaston AJ, Dechesne SBC. 1996. Rhinoceros auklet (*Cerorhinca monocerata*). In: The birds of North America, No. 212 (A. Poole and F. Gill, eds.). The Academy of Natural Sciences, Philadelphia, PA, and The American Ornithologists' Union, Washington, D.C.
- Gaston AJ, Jones LL. 1998. The auks. Oxford University Press, New York. Birdlife, 2006, accessed online at <http://www.birdlife.org/datazone/species/index.html?action=SpcHTMDetails.asp&sid=3312&m=0>.
- Green, J.E. & Arnold, L.W. 1939. An unrecognized race of murrelet on the Pacific Coast of North America. Condor 41: 25-29
- Gress F, Risebrough RW, Anderson DW, Kiff LF, Jehl JR Jr. 1973. Reproductive failures of double-crested cormorants in southern California and Baja California. Wilson Bull. 85:197-208.
- Grinnell J. 1926. The evidence of the former breeding of the rhinoceros auklet in California. Condor 28:37-40.
- Hobson, K.A., 1997. Pelagic Cormorant in The Birds of North America. No. 282. A. Poole and F. Gill (eds.). The Birds of North America Inc. Philadelphia, PA.
- Hodder J, Graybill MR. 1985. Reproduction and survival of seabirds in Oregon during the 1982-83 El Niño.
- Howell SNG, Engel SJ. 1993. Seabird observations off western Mexico. Western Birds 24:167-181.
- Howell, S.N.G. and S. Webb, 1995. A Guide to the Birds of Mexico and northern Central America. Oxford University Press. New York, NY

- Hunt G Jr, Butler JL. 1980. Reproductive ecology of western gulls and Xantus' murrelets with respect to food resources in the Southern California Bight. *CalCOFI Reports* 21:62-67.
- IUCN. 2006 IUCN Red List of Threatened Species. Accessed 27 August 2006. <http://www.iucnredlist.org>.
- Jaques DL, Strong CS, Keeney TW. 1996. Brown pelican roosting patterns and responses to disturbance at Mugu Lagoon and other nonbreeding sites in the southern California Bight. Technical Report Number 54. Tucson, Arizona: National Biological Service. 63 pp.
- Jehl JR, Bond SI. 1975. Morphological variation and species limits in murrelets of the genus *Endomychura*. *Transactions and Memoirs of the San Diego Society of Natural History, California* 18(2):9-24.
- Johnsgard PA. 1993. Cormorants, darters, and pelicans of the world. Washington, D.C.: Smithsonian Institution Press.
- Kelly, Tom; Bolger, R; O'Callaghan, M. 1999. The Behavioural Responses of Birds to Commercial Aircraft. *Proceedings of Birdstrike 1999*.
- Kuletz KJ, Marks DK. 1997. Post-fledging behavior of a radio-tagged juvenile marbled murrelet. *Journal of Field Ornithology* 68(3):421-425.
- Kushlan JA, Steinkemp MJ, Parsons KC, Capp J, Cruz MA, Coulter M, Davidson I, Dickson L, Edelson N, Elliot R, Erwin RM, Hatch S, Kress S, Milko R, Miller S, Mills K, Paul R, Phillips R, Saovoa JE, Sydeman W, Trapp J, Wheeler J, Wohl K. 2002. Waterbird conservation for the Americas: The North America waterbird conservation plan, version 1. Waterbird Conservation for the Americas, Washington, D.C., USA.
- Massey BW, Fancher JM. 1989. Renesting by California least terns. *Journal of Field Ornithology*. 60(3):350-357.
- Manuwal DA, Thorensen AC. 1993. Cassin's Auklet (*Ptychoramphus aleuticus*). In *The Birds of North America*, No. 50 (A Poole and F. Gill, eds.). The Academy of Natural Sciences, Philadelphia, PA, and the American Ornithologists' Union, Washington, D.C.
- McCaskie G, Garrett K. 2002. Southern Pacific Coast. *North American Birds* 56(2):222-226.
- McChesney GJ, Carter HR, Parker MW. 2000. Nesting ashy storm-pestrels and Cassin's auklets in Monterey County, California. *Western Birds* 31:178-183.
- McDermond, D.K., Morgan, K.H., 1993. Status and conservation of North Pacific albatrosses. In: Vermeer, K., Briggs, K.T., Morgan, K.H., Siegel-Causey, D. (Eds.), *The Status, Ecology and Conservation of Marine Birds in the North Pacific*. Canadian Wildlife Service Special Publication, Ottawa, pp. 70-81.
- Mills KL, Sydeman WJ, Hodum PJ (eds). 2005. The California current marine bird conservation plan, version 1. PRBO Conservation Science, Stinson Beach, CA.
- Murphy, R.C., 1936. *Oceanic Birds of South America*. Vol 2. American Museum of Natural History, New York.
- Murray KG, Winnett-Murray K, Eppley ZA, Hunt GL Jr, Schwartz DB. 1983. Breeding biology of the Xantus' s murrelet. *The Condor* 85:12-21.
- Nelson, D.A. 1989. Gull predation on Cassin's auklet varies with lunar cycle. *Auk*, 106, 495-497.
- Nelson SK. 1997. Marbled murrelet (*Brachyramphus marmoratus*). *The Birds of North America* 290:1-32.

- National Oceanic and Atmospheric Association (NOAA). 2006. Sea Bird Colony Protection Program Action Plan, Gulf of the Farallones National Marine Sanctuary, San Francisco, CA.
- NPS, 2007, Annual report in prep. Seabird monitoring program, Channel Islands National Park, Ventura, CA.
- Nur N. 1999. Population status, prospects, and risks faced by two seabirds of the California current: the ashy storm-petrel, *Oceanodroma homochroa*, and Xantus' murrelet, *Synthliboramphus hypoleucus*. Unpublished Report. Point Reyes Bird Observatory. Stinson Beach, CA.
- Piatt, J.F. and A.S. Kitaysky, 2002. Horned Puffin (*Fratercula corniculata*) in The Birds of North America, A. Poole and F. Gill (eds.). Academy of Natural Sciences, Philadelphia, PA, and American Ornithologists' Union, Washington D.C.
- Pierotti, R. and Annett, C., 1995. Western Gull (*Larus occidentalis*). In The Birds of North America. No. 174, A. Poole and F. Gill (eds.). The Academy of Natural Sciences, Philadelphia, PA, and The American Ornithologists' Union, Washington, D.C.
- Point Reyes Bird Observatory (PRBO). 2003. A summary of knowledge and recommendations for the conservation of marine birds and their habitats throughout the California Current Large Marine Ecosystem. Marine Ecology Division, PRBO, Conservation Science, Stinson Beach, CA.
- Point Reyes Bird Observatory. Seabird Aware. Accessed 3 November 2008. http://www.prbo.org/cms/docs/edu/SeabirdAware_final.pdf
- Roberson D. 2000. California short-tailed albatrosses: A summary at the turn of the 21st century. Accessed 23 April 2005. http://www.montereybay.com/creagrus/CA_STAL.html.
- Sanger, G.A., 1972. The recent pelagic status of the short-tailed Albatross (*Diomedea albatrus*). *Biol.Conserv.* 4(3): 189-193.
- Shields M. 2002. Brown pelican (*Pelecanus occidentalis*). The Birds of North America 609:1-36.
- Sibley DA. 2000. The Sibley Guide to Birds. National Audubon Society. Chanticleer Press, Sixth Addition, 242 pp.
- Sibley, David. 2001. The Sibley Guide to Bird Life & Behavior. Chanticleer Press, Inc, New York.
- Singer SW, Naslund NL, Singer SA, Ralph CJ. 1991. Discovery and observations of two tree nests of the marbled murrelet. *The Condor* 93:330-339.
- Sowls AL, DeGange AR, Nelson JW, Lester GS. 1980. Catalog of California seabird colonies. U.S. Fish and Wildlife Service. FWS/OBS 37/80. 371 pp.
- Speich SM, Wahl TR. 1989. Catalog of Washington seabird colonies. U.S. Fish and Wildlife Service, Biological Rep. 88(6). 510 pp.
- Springer, Alan M.; Kondratyev, Alexander Y.; Ogi, Haruo; Shibaev, Yuri V.; van Vliet, Gus B. 1993. Status, ecology, and conservation of *Synthliboramphus* murrelets and auklets. In: Vermeer, Kees; Briggs, Kenneth T.; Morgan, Ken H.; Siegel-Causey, Douglas, eds. The status, ecology and conservation of marine birds of the north Pacific. Special Publication. Ottawa, ON: Canadian Wildlife Service, Environment Canada; 187-203.

- Sydeman W, Nurr N, McLaren E, McChesney G. 1998. Status and trends of the ashy storm-petrel on southeast Farallon Island, California, based upon capture-recapture analyses. *Condor* 100: 438-447 [10]
- Thompson BC, Jackson JA, Burger J, Hill LA, Atwood JL. 1997. Least tern (*Sterna antillarum*). *The Birds of North America* 290:1-32.
- Unitt P. 2004. San Diego County bird atlas. San Diego, CA: San Diego Natural History Museum. Ibis Publishing Company.
- U.S. Department of the Navy [DoN]. 2002a. San Clemente Island integrated natural resources management plan draft final. Prepared for the U.S. Department of the Navy, Southwest Division (USDON, SWDIV), San Diego, CA by Tierra Data Systems, Escondido, CA. October 2001.
- U.S. Department of the Navy. 2002b. Final environmental impact statement/overseas environmental impact statement—Point Mugu Sea Range. Prepared for the Naval Air Warfare Center Weapons Division, Point Mugu, California by Ogden Environmental and Energy Services, Inc., Santa Barbara, California.
- U.S. Department of the Navy. 2002c. Naval Base Coronado integrated natural resources management plan. Prepared for the Navy Region Southwest, San Diego, California by Tierra Data Systems, Escondido, California.
- U.S. Department of the Navy. 2002d. Foraging behavior of the California least tern adjacent to piers in San Diego Bay. Prepared for SWDIV NAVFACENGCOM, Contract No. N68711-97-D-8814, Delivery order No. 0014. Merkel & Associates, San Diego, CA.
- U.S. Department of the Navy. 2005. Marine resources assessment for the Southern California operating area. Pacific Division, Naval Facilities Engineering Command, Pearl Harbor, Hawaii. Contract # N62470-02-D-9997, CTO 0025, Prepared by Geo-Marine, Inc., Plano, Texas.
- U.S. Fish and Wildlife Service [USFWS]. 1983. The California brown pelican recovery plan. Prepared by the USFWS under contract with Franklin Gress (California Department of Fish and Game) and Daniel W. Anderson (University of California-Davis). 40 pp.
- U.S. Fish and Wildlife Service. 1985. Recovery plan for the California least tern, *Sterna antillarum browni*. Portland, Oregon: U.S. Fish and Wildlife Service.
- U.S. Fish and Wildlife Service. 1997. Recovery plan for the threatened marbled murrelet (*Brachyramphus marmoratus*) in Washington, Oregon, and California. Portland, Oregon: U.S. Fish and Wildlife Service.
- U.S. Fish and Wildlife Service. 2000. Endangered and threatened wildlife and plants; final rule to list the short-tailed albatross as endangered in the United States. *Federal Register* 65(147):46643-46654.
- U.S. Fish and Wildlife Service. 2005a. Regional seabird conservation plan, Pacific region. U.S. Fish and Wildlife Service, Migratory Birds and Habitat Programs, Pacific Region, Portland, Oregon.
- U.S. Fish and Wildlife Service. 2005b. Short-tailed albatross Draft Recovery Plan, Accessed online 17 April 2006. http://ecos.fws.gov/docs/recovery_plans/2005/051027.pdf.
- U.S. Fish and Wildlife Service. 2006. Species profile, Accessed online 19 April 2006. http://ecos.fws.gov/docs/federal_register/fr5083.pdf

- U.S. Fish and Wildlife Service. 2007. Listed distinct population segment of the brown pelican (*Pelecanus occidentalis*), 5 Year Review: Summary and Evaluation, accessed online at: <http://www.fws.gov/arcata/es/birds/brnPelican/documents/2007>.
- U.S. Geological Survey [USGS]. 2005. Marine Habitat/Seabirds, Accessed online 25 April 2006. http://www.absc.usgs.gov/research/seabird_foragefish/seabirds/index.html
- U.S. Marine Corps [USMC]. 2001. Integrated natural resources management plan—Marine Corps Base and Marine Corps Air Station Camp Pendleton. Camp Pendleton, California: U.S. Marine Corps.
- Wallace, E. A. H. and G. E. Wallace, 1998. Brandt's Cormorant. In *The Birds of North America: Life Histories for the 21st Century*. No. 362. A. Poole. and F. Gill. (eds.). The Academy of Natural Sciences, Philadelphia, PA and the American Ornithologists' Union, Washington, D.C.
- Wetlands International and IUCN SSC Threatened Waterfowl Specialist Group. 2002. Ducks, geese, swans and screamers: an action plan for the conservation of Anseriformes; second external draft for comment. Wetlands International & IUCN.
- Weseloh CVC, Pekarik C, Blokpoel H. 1999. Breeding populations of cormorants, gulls and terns of the Canadian Great Lakes in 1997/98. *Bird Trends (Canadian Wildlife Service)* 7:30-34.
- Yelverton, John T., Donald R. Richmond, E. Royce Fletcher, and Robert K. Jones. 1973. Safe distances from underwater explosions for mammals and birds. Lovelace Foundation for Medical Education and Research Albuquerque, NM.

3.11 TERRESTRIAL BIOLOGICAL RESOURCES

- Axelrod, D.I. 1967. Geologic history of the Californian insular flora, p. 267-315. In: R.N. Philbrick (ed.). *Proc.Symp. on the Biology of the California Islands*. Santa Barbara Botanic Gardens, Santa Barbara, CA.
- Barash DP. 1975. Evolutionary aspects of parental behavior: distraction behavior of the Alpine Accentor. *Wilson Bulletin* 87: 367-373.
- Beason RC. 2003. Through a bird's eye—exploring avian sensory perception. USDA/Wildlife Services/National Wildlife Research Center/Ohio Field Station, Sandusky OH. <http://www.aphis.usda.gov/ws/nwrc/is/03pubs/beason031.pdf>.
- Beaudry F, Munkwitz NM, Kershner EL, Garcelon DK. 2003. Population monitoring of the San Clemente sage sparrow—2002. Final report. Unpublished report *prepared by* the Institute for Wildlife Studies *for* the U.S. Navy, Commander Navy Region Southwest, Natural Resources Office, San Diego, California. 69pp.
- Beaudry F, Munkwitz NM, Kershner EL, Garcelon DK. 2004. Population monitoring of the San Clemente sage sparrow—2003. Final report. Unpublished report prepared by the Institute for Wildlife Studies for the U.S. Navy, Navy Region Southwest, Natural Resources Office, San Diego, California. 78pp.
- Bezy RL, Gorman GC, Adesr GA, Kim YJ. 1980. Divergence in the island night lizard, *Xantusia riversiana*. *The California Islands: Proceedings of a Multidisciplinary Symposium*. Pp. 565-583. Santa Barbara Museum of Natural History.
- Bitterroot Restoration Incorporated. 2002. Wetland Delineation And Endangered Species Surveys On Naval Auxiliary Landing Field San Clemente Island. Draft Final Report, June 2002. Prepared for: Commander Navy Region Southwest, Environmental Department. Prepared

- under Contract N68711-00-D-4415 for Southwest Division, Navy Facilities Engineering Command.
- Blackburn T, Anderson K. 1993. Before the wilderness: Environmental management by native Californians. Menlo Park, California. Ballena Press.
- Bradley JE, Stuart SW, Hudgens BR, Garcelon DK. 2006. Draft breeding report—2006 population monitoring of the San Clemente loggerhead shrike on NALF, San Clemente Island, California. U.S. Navy, Environmental Department, Southwest Division, Naval Facilities Engineering Command, San Diego, California.
- Brock K. 2000. Personal communication. San Clemente Loggerhead Shrike Program Manager, Navy Region Southwest, Natural Resources Office, NAS North Island. June 9.
- Brown AL. 1990. Measuring the effect of aircraft noise on sea birds. *Environment International*, 16:587-592.
- Busnel RG (ed), Briot J. 1980. Wildlife and airfield noise in France. Proc. 3rd Int'l Congress on Noise as a Public Health Problem. pp. 621-631.
- California Native Plant Society. Inventory of Rare and Endangered Plants. V7-08a 2-1-08 <http://cnps.web.aplus.net/cgi-bin/inv/inventory.cgi>
- Carroll MC, Laughrin L, Bromfield AC. 1993. Fire in the California Islands: Does it play a role in chaparral and closed cone pine forest habitats? In F. G. Hochberg [ed.] Proceedings of the Third California Islands Symposium: Recent Advances in Research on the California Islands. Santa Barbara, California. Santa Barbara Museum of Natural History. pp 73-88.
- Conomy JT, Collazo JA, Dobovsky JA, Fleming WJ. 1998a. Dabbling duck behavior and aircraft activity in coastal North Carolina. *Journal of Wildlife Management* 62(3): 1127-1134.
- Conomy JT, Dubovsky JA, Collazo JA, Fleming WJ. 1998b. Do black ducks and wood ducks habituate to aircraft disturbance? *Journal of Wildlife Management* 62: 1135-1142.
- Cunningham SC, Babb RD, Jones TR, Taubert BD, Vega R. 2002. Reaction of lizard populations to a catastrophic wildfire in a central Arizona mountain range. *Biological Conservation* 107: 193-201.
- D'Antonio CM, Vitousek PM. 1992. Biological invasions by exotic grasses, the grass/fire cycle, and global change. *Annual Review of Ecology and Systematics* 23:13-26.
- Delaney DK, Grubb TG, Beier P, Pater LL, Reiser MH. 1999. Effects of helicopter noise on Mexican spotted owls. *J. Wildl. Manage.* 63:60-76.
- Delaney DK, Pater LL, Hayden TJ, Swindell LL, Beaty TA, Carlile LD, Spadgenske WE. 2000. Assessment of training noise impacts on the red-cockaded woodpecker: 1999 results. U.S. Army Corps of Engineers, Engineer Research and Development Center.
- Delaney DK, Pater LL, Dooling RJ, Lohr B, Brittan-Powell BF, Swindell LL, Beaty TA, Carlile LD, Spadgenske EW, MacAllister BA, Melton RH. 2002. Assessment of training noise impacts on the red-cockaded woodpecker: 1998-2000. U.S. Army Corps of Engineers, Engineer Research and Development Center. November.
- Dooling RJ, Ryals BM, Manabe K. 1997. Recovery of hearing and vocal behavior after hair-cell regeneration. *Psychology*. 94: 14206-14210.
- Dunn, Jonathan and Thomas A. Zink. 2004. San Clemente Island Native Habitat Restoration Program. Seed Collection, Propagation, and Outplanting in Support of San Clemente Island Endangered Species Programs. 2003 Annual Report. Prepared for Natural

- Resources Office, Environmental Department Commander Navy Region Southwest, San Diego California under cooperative agreement with Naval Facilities Engineering Command, Southwest Division by Soil Ecology and Restoration Group, San Diego State University, San Diego, CA. 5pp.
- Dunn, Jonathan and Thomas A. Zink. 2006. Final Report. Invasive species control and native habitat enhancement. Veldt grass and mustard sites. Prepared for Natural Resources Office, Environmental Department Commander Navy Region Southwest, San Diego California under cooperative agreement with Naval Facilities Engineering Command, Southwest Division by Soil Ecology and Restoration Group, San Diego State University, San Diego, CA. 25pp.
- Eisler R. 1988. Lead hazards to fish, wildlife, and invertebrates: A synoptic review. U. S. Fish and Wildlife Service. Patuxent Wildlife Research Center. Laurel, MD 20708. Biological Report 85(1.14) Contaminant Hazard Reviews Report No. 14.
- Ellis DH. 1981. Responses of raptorial birds to low level military jets and sonic booms. Result of the 1980-1981 Joint USAF-USFWS Study. 59 pp.
- Ellis DH, Ellis CH, Mindell DP. 1991. Raptor responses to low-level jet aircraft and sonic booms. *Environmental Pollution* 74:53-83.
- Elvin M. 1996. Unpublished field notes. Ranch Santa Ana Botanic Garden. 3.8-24
- Farabaugh, S. M., Bukowinski, A, Swanson, L., Littlefeather, T., and Grant, T. 2005. Final Report: 2004 Propagation and abehavior of the captive population of the San Clemente loggerhead shrike (*Lanius ludovicianus mearnsi*). D.o.D., U. S. Navy, Natural Resources Specialist Support Team, Southwest Div., Nav. Eng. Command, San Diego, California. 20 September.
- Finney MA. 1998. FARSITE ver. 4.1. Systems for Environmental Management, Missoula, MT. <http://farsite.org/>.
- Foster, BD. 1998. Monitoring of the western snowy plover at NALF, San Clemente Island, California, 1994-1997. Unpublished report prepared for the Natural Resources Specialist Support Team, Southwestern Division Naval Facilities Engineering Command, San Diego, California. 64pp.
- Foster BD, Copper E. 2000. Status report of the western snowy plover at Naval Auxiliary Landing Field, San Clemente Island, Los Angeles, California. Unpublished report prepared for the Natural Resources Office, Environmental Department Commander Navy Region Southwest, Southwest Division, Naval Facilities Engineering Command, San Diego, California.
- Foster BD, Copper E. 2001. Status report of the western snowy plover at Naval Auxiliary Landing Field, San Clemente Island, Los Angeles, California, 2000. Unpublished report prepared for the Natural Resources Office, Environmental Department Commander Navy Region Southwest, Southwest Division, Naval Facilities Engineering Command, San Diego, California.
- Foster BD, Copper E. 2003. Status of the western snowy plover at Naval Auxiliary Landing Field San Clemente Island, Los Angeles, CA. Unpublished report prepared for the Natural Resources Office, Environmental Department (N45RN) Commander, Navy Region Southwest, Southwestern Division, Naval Facilities Engineering Command, San Diego, California. 46pp.

- Goldberg SR, Bezy RL. 1974. Reproduction in the island night lizard, *Xantusia riversiana*. *Herpetologica*, 30:350-360.
- Grant T, Wiese R. 2006. Master plan and breeding recommendations: San Clemente loggerhead shrike (*Lanius ludovicianus mearnsi*), population biology management plan. Zoological Society of San Diego. 6 April.
- Greenlee, Jason M. and Jean H. Langenheim. 1990. Historic Fire Regimes and their Relation to Vegetation Patterns in the Monterey Bay Area of California. *Amer. Midl. Naturalist* 124(2):239-253.
- Grinnell J. 1897. Report on the birds recorded during a visit to the islands of Santa Barbara, San Nicholas, and San Clemente, in the spring of 1897. *Pasadena Academy of Science* 1: 26.
- Grubb TG, Bowerman WW. 1997. Variations in breeding bald eagle response to jets, light planes, and helicopters. *J. Raptor Res.* 31:213-222.
- Harvey NC. 1996. Laboratory records for San Diego Zoo captive breeding and release program. Unpublished.
- Hayden TJ, Melton RH, Willis B, Martin III LB, Beaty T. 2002. Assessment of effects of maneuver training activities on red-cockaded woodpecker populations on Fort Stewart, GA. U.S. Army Corps of Engineers, Construction Engineering Research Laboratory.
- Hickman JC (ed). 1993. *The Jepson manual: higher plants of California*. University of California Press, Berkeley.
- Holland VL, Keil DJ. 1995. *California vegetation*. Kendall/Hunt Publishing Company. Dubuque, Iowa.
- Howell AB. 1917. Birds of the islands off the coast of Southern California. *Pacific Coast Avifauna* No. 12. 27 pp.
- Hyde KM. 1984. San Clemente Island loggerhead shrike/sage sparrow study, 1980-1983: final report. Natural Resources Office, Naval Air Station North Island.
- Interagency Federal Wildland Fire Policy Review Working Group. 2001. Review and Update of the 1995 Federal Wildland Policy. 78pp. http://www.nifc.gov/fire_policy/history/index.htm
- Jones L. 1975. The birds of San Clemente Island: An annotated species list. Unpublished report. 8 pp.
- Jorgenson, P. D. and H. L. Ferguson. 1984. The birds of San Clemente Island. *Western Birds* 15:111-130.
- Junak S. 2003. Distribution of selected invasive plant species on San Clemente Island, California. Santa Barbara Botanic Garden Technical Report No. 6 submitted to Kim O'Connor, Southwest Division, Naval Facilities and Engineering Command.
- Junak S. 2005. Personal Communication. Botanist, Santa Barbara Botanic Garden. Compilation of new field data on locations of sensitive plant species locations through December 2004.
- Junak S. 2006. Sensitive plant status survey Naval Auxiliary Landing Field San Clemente Island, California. Draft Final Report. Prepared for Department of the Navy Southwest Division, Naval Facilities Engineering Command, and Natural Resources Office, Commander, Navy Region Southwest San Diego, California. Letter of Agreement No. N68711-02-LT-00036. Santa Barbara Botanic Garden Technical Report. December.

- Junak SA, Wilken DH. 1998. Sensitive plant status survey: NALF San Clemente Island, California. Final report prepared for Department of the Navy Southwest Division, Naval Facilities Engineering Command and Natural Resources Office, Staff Civil Engineer, Naval Air Station North Island, San Diego, California.
- Kaiser, Sara A., Jennifer M. Turner, and David K. Garcelon. 2007. Population Monitoring of the San Clemente Sage Sparrow-2006. Final Report. Unpublished report prepared by the Institute for Wildlife Studies for the United States Navy, Navy Region Southwest, Natural Resources Office, San Diego, California. 94 pp.
- KEA Environmental, Inc. 1997. San Clemente sage sparrow census and habitat suitability study San Clemente Island, California. Report attachment 1. Prepared for Southwest Division, Naval Facilities Engineering Command, San Diego, California.
- Kendall RJ, Lacher Jr TE, Bunck C, Daniel B, Driver C, Grue CE, Leighton F, Stansley W, Watanabe PG, Whitworth M. 1996. An ecological risk assessment of lead shot exposure in non-waterfowl avian species: Upland game birds and raptors. *Environmental Toxicology and Chemistry* 15:4-20.
- Kershner EL, Cooper DM, Garcelon DK. 2004. San Clemente loggerhead shrike non-native predator control program—2003: Final report. U.S. Navy, Natural Resources Management Branch, Southwest Division Naval Facilities Engineering Command, San Diego, CA. 59pp.
- Knight RL, Temple SA. 1986. Why does intensity of avian nest defense increase during the nesting cycle? *Auk* 103:318-327.
- Lee JC. 1975. The autecology of *Xantusia henshawi henshawi* (Sauria: Xantusiidae). *Trans. San Diego Soc. Natural History*, 17:259-277.
- Linton CB. 1908. Notes from San Clemente Island. *Condor* 10:82-86.
- Lynn S, Cesh LS, Kershner E, Garcelon DK. 2002. Research efforts to aid in the recovery of the San Clemente loggerhead shrike—2001. Unpublished report prepared by the Institute of Wildlife Studies, Arcata, California for the U.S. Navy, Natural Resources Management Branch, Southwest Div., Nav. Fac. Eng. Command, San Diego, California. 47pp.
- Lynn S, Condon AM, Kershner EL, Garcelon DK. 2003. Winter ecology of loggerhead shrikes on San Clemente Island—final report. Unpublished report prepared by the Institute of Wildlife Studies, Arcata, California for U.S. Navy, Natural Resources Management Branch, Southwest Div., Nav. Fac. Eng. Command, San Diego, California. 31pp.
- Lynn S, Carlisle HA, Chartier NA, Warnock N. 2004a. Western snowy plover surveys on Naval Auxiliary Landing Field San Clemente Island, Los Angeles County, California, 2003–2004. U. S. Navy, Environmental Department, Southwest Division, Naval Facilities Engineering Command, San Diego, California. 27pp. + electronic appendices.
- Lynn S, Sullivan BL, Carlisle HA, Chartier NA, Warnock N. 2004b. 2003 population monitoring of the San Clemente loggerhead shrike on NALF, San Clemente Island, California, U.S. Navy, Environmental Department, Southwest Division, Naval Facilities Engineering Command, San Diego, California. 184pp + electronic appendices.
- Lynn, S., B. L. Sullivan, H. A. Carlisle, and N. Warnock. 2005. Final Report - 2004 Population Monitoring of the San Clemente Loggerhead Shrike on NALF, San Clemente Island, California, U.S. Navy, Environmental Department, Southwest Division, Naval Facilities Engineering Command, San Diego, California. 225 pp. + electronic appendices.

- Lynn, S., H. A. Carlisle, and N. Warnock. 2005. Western Snowy Plover surveys on Naval Auxiliary Landing Field San Clemente Island, Los Angeles County, California, 2004 – 2005. U. S. Navy, Environmental Department, Southwest Division, Naval Facilities Engineering Command, San Diego, California. 29pp + electronic appendices.
- Lynn S, Leumas CM, Carlisle HA, Warnock N. 2006. 2005 Population monitoring of the San Clemente loggerhead shrike on NALF San Clemente Island, California. Natural/Cultural Resources Specialized Operations Team, Southwest Division Naval Facilities Engineering Command and U.S. Navy, Environmental Department, Southwest Division, Naval Facilities Engineering Command, San Diego, California.
- Lynn S, Carlisle HA, Warnock N. 2006. Western snowy plover surveys on Naval Auxiliary Landing Field San Clemente Island, Los Angeles County, California, June-November 2005. U. S. Navy, Environmental Department, Southwest Division, Naval Facilities Engineering Command, San Diego, California. 28pp + electronic appendices.
- Mack RN, Simberloff D, Lonsdale WM, Evans H, Clout M, Bazzaz F. 2000. Biotic invasions: Causes, epidemiology, global consequences and control. *Issues in Ecology* 5: 1-20.
- Martin J. 1999. Personal communication. Biologist, Institute of Wildlife Studies.
- Mautz WJ. 1979. Thermoregulation, metabolism, water loss and microhabitat selection in *Xantusia* lizards. PhD Dissertation, Cornell University, Ithaca, N.Y.
- Mautz WJ. 1982. The status of the island night lizard, *Xantusia (=Klauberina) riversiana* on San Clemente Island. Report prepared for the Natural Resources Office, Staff Civil Engineer, NAS North Island, Dan Diego, CA. Contract NOO246-80M-7274.
- Mautz WJ. 2001. The biology and management of the island night lizard, *Xantusia riversiana*, on San Clemente Island, California. Final Draft Report prepared for the Natural Resources Office, Environmental Department (N45RN) Commander, Navy Region Southwest, Southwestern Division, Naval Facilities Engineering Command, San Diego, California. 70pp. including appendices. Submitted to USFWS with Petition to Delist INL.
- Mautz WJ. 2004. Island night lizard surveys on the Naval Auxiliary Landing Field, San Clemente Island, California. Report of Survey of July, 2003. Prepared for: Natural Resources Office, Staff Civil Engineer Code 18K. NAS North Island. San Diego, California.
- Miller MR. 1951. Some aspects of the life history of the yucca night lizard, *Xantusia vigilis*. *Copeia*, 1951:114-120.
- Mooney HA, Conrad CE (eds). 1977. Proceedings of the symposium on the environmental consequences of fire and fuel management in Mediterranean ecosystems, USDA Forest Service General technical Report WO-3, 498 pp.
- Moran, R. 1995. The subspecies of *Dudleya virens* (Crassulaceae). *Hazeltonia* 3:1-9.
- Mundy NI, Woodruff DS. 1996. Conservation genetics of the endangered San Clemente loggerhead shrike. *The Journal of Heredity* 87(1): 1-26.
- Munkwitz NM, Beaudry MF, Garcelon DK. 2002. Population monitoring of the San Clemente sage sparrow—2001. Final Report. U.S. Navy, Commander Navy Region Southwest, Natural Resources Office, San Diego, California. 71 pp.
- New Zealand Ministry of the Environment. 2001. Good practice guide for assessing and managing the environmental effects of dust emissions. Wellington, NZ. <http://www.mfe.govt.nz/publications/air/dust-guide-sep01.pdf>.

- Oberbauer TA. 1978. Distribution and dynamics of San Diego grasslands. Thesis. San Diego State University.
- Page, G. W., F. C. Bidstrup, R. J. Ramer, and L. E. Stenzel. 1986. Distribution of wintering Snowy Plovers in California and adjacent states. *Western Birds* 17:145-170.
- Page, G. W., L. E. Stenzel, W. D. Shuford, and C. R. Bruce. 1991. Distribution and abundance of the Snowy Plover on its western North American breeding grounds. *J. Field Ornithology* 62:245-255.
- Page, G.W., J.S. Warriner, J.C. Warriner, and P.W.C. Paton. 1995. Snowy plover (*Charadrius alexandrinus*). In *The Birds of North America*, No. 154 (A. Poole and F. Gill, eds.). The Academy of Natural Sciences, Philadelphia, PA, and The American Ornithologists' Union, Washington, D.C.
- Pater LL, Delaney DK, Hayden TJ, Lohr B, Dooling R. 1999. Assessment of training noise impacts on the red-cockaded woodpecker: Preliminary results. CERL Technical Report (TR) 99/51, ADA 367234.
- Philbrick, Ralph N., and Robert J. Haller. 1977. The Southern California Islands. In: Barbour, Michael G. and Jack Major (eds.). *Terrestrial Vegetation of California*. John Wiley and Sons, New York.
- Pimm SL, Gilpin ME. 1989. Theoretical issues in conservation biology. In: Roughgarden, J., R. May, and S. A. Levin (eds.). *Perspectives in Ecological Theory*. Princeton University Press, Princeton, NJ.
- Plissner, J., A.V. Blackford, H. Carlisle, and N. Warnock. 2002. 2001 Population Monitoring of the San Clemente Loggerhead Shrike on NALF, San Clemente Island, California, U.S. Navy, Natural Resources Office, Southwest Div., Nav. Fac. Eng. Command, San Diego, California. pp 207-305.
- Plissner J, Blackford AV, Carlisle H, Warnock N. 2002. 2001 population monitoring of the San Clemente loggerhead shrike on NALF, San Clemente Island, California, U.S. Navy, Natural Resources Office, Southwest Div., Nav. Fac. Eng. Command, San Diego, California.
- Powell, A.N., J.M. Terp, C. L. Collier, and B. L. Peterson. 1997. The status of western snowy plovers (*Charadrius alexandrinus nivosus*) in San Diego County, 1997. Report to the California Department of Fish and Game and the US Fish and Wildlife Service.
- Raven, PH. 1963. A flora of San Clemente Island, California. *Aliso*, 5:289-347.
- Ross TS, Boyd S, Junak S. 1997. Additions to the vascular flora of San Clemente Island, Los Angeles County, California, with notes on clarifications and deletions. *Aliso* 15: 27-40.
- Schmidt, G. A., and D. K. Garcelon. 2005. Island fox monitoring and research on Naval Auxiliary Landing Field, San Clemente Island, California. Final Report: June 2003-April 2004. Unpublished report prepared by the Institute for Wildlife Studies, Arcata, CA. 30pp.
- Scott TA, Morrison ML. 1990. Natural history and management of the San Clemente
- Scott TA, Morrison ML. 1995. Opportunistic foraging behavior of loggerhead shrikes. In Yosef, R., and F. Loher (eds.), *Proc. of the Western Foundation of Vert. Zoology* 6(1).
- Smith JK (ed). 2000. Wildland fire in ecosystems: effects of fire on fauna. USDA Forest Service, Rocky Mountain Research Station. General Technical Report RMRS-GTR-42-Volume 1.
- Stalmaster MV. 1997. Flushing responses of wintering bald eagles to military activity. *Journal of Wildlife Management* 61(4): 1307-1313.

- Sward WL, Cohen RH. 1980. Plant community analysis of San Clemente Island. Unpublished report to Naval Ocean Systems Center, San Diego, California.
- Thorne RF. 1976. The vascular plant communities of California. In J. Latting (ed.) *Plant Communities of Southern California, Symposium Proceedings*. California Native Plant Society Special Publication No. 2. pp 1-32.
- Tiller A, Bollhall P, Black B, Collopy M, Percival H. 1984. Effects of low-level military training flights on wading bird colonies in Florida. Technical Report 190 pp. Performing organization. Florida Cooperative Fish Wildlife Research Unit. *Naturalist* 103:501-516.
- Timbrook J, Johnson JR, Earle DD. 1982. Vegetation burning by the Chumash. *Journal of California and Great Basin Anthropology* 4(2): 163-186.
- Tinkle DW. 1969. The concept of reproductive effort and its relation to the evolution of the life histories of lizards. *American Naturalist* 103:501-516.
- Turner JM, Kershner EL, Struthers JL, Brubaker DL, Garcelon DK. 2002. San Clemente loggerhead shrike release program—2001, Draft Final Report. U.S. Navy, Natural Resources Management Branch, Southwest Div., Nav. Fac. Eng. Command, San Diego, California. 81 pp.
- Turner JM, Sulzman CL, Kershner EL, Garcelon DK. 2004. San Clemente loggerhead shrike release program—2003, Final Report. Prepared by the Institute for Wildlife Studies for the U.S. Navy, Natural Resources Management Branch, Southwest Div., Nav. Fac. Eng. Command, San Diego, California. 57pp.
- Turner JM, Kaiser SA, Kershner EL, Garcelon DK. 2005. Population monitoring of the San Clemente sage sparrow—2004, Final Report. Prepared by the Institute for Wildlife Studies for the U.S. Navy, Natural Resources Management Branch, Southwest Div., Nav. Fac. Eng. Command, San Diego, California. 85pp.
- Turner JM, Kaiser SA, Hudgens BR, Kershner EL, Garcelon DK. 2006. Population monitoring of the San Clemente sage sparrow—2005, Final Report. Prepared by the Institute for Wildlife Studies for the U.S. Navy, Natural Resources Management Branch, Southwest Div., Nav. Fac. Eng. Command, San Diego, California. 86 pp.
- U. S. Air Force. 1999. Final environmental impact statement: F-22 force development evaluation and weapons school beddown, Nellis AFB. October.
- U. S. Air Force, U. S. Army, and U. S. Department of the Navy. 1978. Environmental protection: Planning in the noise environment. Document Prepared under Air Force Contract No. F49642-74-90035. 259pp.
- U. S. Army. 2001. Installation environmental noise management plan: Camp Shelby, Mississippi. Prepared by Environmental Noise Program, Directorate of Environmental Health Engineering, U.S. Army Center for Health Promotion and Preventive Medicine, Aberdeen Proving Ground, MD.
- U. S. Army. 2004. Final environmental impact statement: Transformation of the 2nd Brigade, 25th Infantry Division (L) to a Stryker Brigade Combat Team in Hawai'i. Prepared by Tetra Tech, Inc. Honolulu, Hawai'i for the Department of the Army and the U.S. Army Corps of Engineers Honolulu Engineer District. May. (<http://www.sbcteis.com/>).
- U.S. Department of Defense. 2000. Fire and Emergency Services Program. DoD Instruction 6055.6. 10 October 2000.

- U.S. Department of the Navy [DoN]. 1993. Operational/land use compatibility study for NALF San Clemente Island. Southwest Division Naval Facilities Engineering Command, San Diego, California.
- U.S. Department of the Navy. 1996a. Biological assessment: Fire effects on listed and proposed species, NALF San Clemente Island, California. Prepared for Natural Resources Office, Staff Civil Engineer, Naval Air Station, North Island, San Diego, California.
- U.S. Department of the Navy. 1996b. Environmental assessment for testing of the joint standoff attack weapon (JSOW).
- U.S. Department of the Navy. 1999a. Southern California offshore range (SCORE) users' manual. FACS FACSDINST 3550.1. August.
- U.S. Department of the Navy. 1999b. Summary report fiscal year 1999 Southern California offshore range (SCORE) operations.
- U.S. Department of the Navy. 2002. San Clemente Island integrated natural resources management plan: Final. San Diego, California. Prepared by Tierra Data Systems, Escondido, CA. May.
- U.S. Department of the Navy, 2004. San Clemente Island vegetation condition and trend analysis 2003: Draft. Prepared for: Southwest Division, U.S. Naval Facilities Engineering Command, San Diego, CA under Contract: N68711-00-D-4413/0015. February.
- U.S. Department of the Navy. 2004a. Biological assessment of military construction project P-493: Operational access to shore bombardment area at Naval Auxiliary Landing Field San Clemente Island California (12 January 2004, submitted to USFWS, and consulted on).
- U.S. Department of the Navy. 2004b. Petition to designate San Clemente Island and San Nicholas Island populations of island night lizard (*Xantusia riversiana*) as distinct population segments and removal as such from the Federal list of threatened species pursuant to the Endangered Species Act of 1973. Attention: USFWS, Listing and Recovery Branch. Prepared by Commander, Navy Region Southwest. 22 March 2004.
- U. S. Department of the Navy. 2005. San Clemente Island wildland fire management plan. Commander, Navy Region Southwest Natural Resource Office. Screencheck Draft. September.
- U. S. Department of the Navy. 2006. San Clemente Island wildland fire management plan biological assessment. Commander, Navy Region Southwest Natural Resource Office. Draft.
- U.S. Department of the Navy, 2007. Projected increases in sheet and rill erosion due to military operations Proposed on San Clemente Island. Prepared for Naval Facilities Engineering Command Southwest, Coastal Integrated Products Team, San Diego. Escondido, CA. March.
- U.S. Fish and Wildlife Service [USFWS]. 1984. Recovery plan for the endangered and threatened species of the California Channel Islands. 26 January. Portland, OR. 165 pp.
- U. S. Fish and Wildlife Service. 1993. Endangered and threatened wildlife and plants: determination of threatened status for the Pacific coast population of the Western Snowy Plover. Federal Register 58:12864-12874.
- U.S. Fish and Wildlife Service. 1997a. Amendment to biological opinion 1-6-97-F-18. 11 June 1997.

- U.S. Fish and Wildlife Service. 1997b. Biological/conference opinion on training activities on San Clemente Island, San Diego County, California (1-6-97-F-21). 15 March 1997.
- U.S. Fish and Wildlife Service. 1997c. Biological opinion for impacts to island night lizard caused by existing and proposed naval activities on San Clemente Island (1-6-97-F-58). 15 December 1997.
- U.S. Fish and Wildlife Service. 1999. Endangered and threatened wildlife and plants: Designation of critical habitat for the Pacific coast population of the western snowy plover. Final rule. Federal Register 64: 234.
- U.S. Fish and Wildlife Service. 2001a. Training area ranges on San Clemente Island, Los Angeles County, California (Biological Opinion 1-6-00-F-19). 17 January 2001.
- U.S. Fish and Wildlife Service. 2001b. Western snowy plover (*Charadrius alexandrinus nivosus*) Pacific Coast population draft recovery plan. Portland, Oregon. 228 pp. and Appendices.
- U.S. Fish and Wildlife Service. 2002. Re-initiation of consultation on naval training activities that cause fires on San Clemente Island, Los Angeles County California (Biological Opinion 1-6-97-F-21). 23 July 2002.
- U.S. Fish and Wildlife Service. 2004. Biological opinion for military construction project P-493 (San Clemente Island road improvement project), Los Angeles County, California (1-6-04-F-3934.1). 10 May 2004.
- U.S. Fish and Wildlife Service and National Marine Fisheries Service [NMFS]. 1998. Endangered species consultation handbook: Procedures for conducting consultation and conference activities under Section 7 of the Endangered Species Act. <http://www.fws.gov/endangered/consultations/s7hndbk/s7hndbk.htm>. March.
- U.S. Fish and Wildlife Service, National Oceanic and Atmospheric Administration [NOAA], and National Marine Fisheries Service. 1995. Joint counterpart Endangered Species Act Section 7 consultation regulations. 50 CFR Part 402. Federal Register 60 (150). pp 39921-39925. 5 August.
- U.S. Marine Corps. 2000. Hearing Conservation Program, Marine Corps Order 6260.1E, 5 April 2000.
- U.S. Marine Corps. 2003. Environmental impact statement for the advanced amphibious assault vehicle (AAAV) at Marine Corps Base Camp Pendleton, California.
- U.S. Marine Corps. 2004. Environmental assessment for testing of the expeditionary fighting vehicle prototypes at Marine Corps Base Camp Pendleton, California. January.
- VanderWerf E, Ebisu Y, and Associates, Wil Chee-Planning, Inc. 2000. A study to determine the effects of noise from military training on the endangered Oahu 'elepaio: United States Army Engineer District, Honolulu Programs and Project Management Division Environmental/DoD Support Branch, Contract No. DACA83-96-D-0007, Schofield Military Reservation, Island of Oahu.
- Warriner, J.S., J.C. Warriner, G.W. Page and L.E. Stenzel. 1986. Mating system and reproductive success of a small population of polygamous snowy plovers. *Wilson Bulletin*. 98:15-37.
- Weisenberger ME, Krausman PR, Wallace MC, De Young DW, Maughan OE. 1996. Effects of simulated jet aircraft noise on heart rate and behavior of desert ungulates. *J. Wildlife Management* 60(1):52-61.
- Workman GW, Bunch TD, Call JW, Evans RC, Neilson LS, Rawlings EM. 1992. Sonic boom/animal disturbance studies on pronghorn antelope, rocky mountain elk, and

- bighorn sheep. Utah State University Foundation, Logan. Prepared for U.S. Air Force, Hill AFB, Contract F42650-87-C-0349.
- Zweifel RG, Lowe CH. 1966. The ecology of a population of *Xantusia vigilis*, the desert night lizard. *American Museum Novitates* (2247):1-57.

3.12 CULTURAL RESOURCES

- Andrews VR. 1996. An historical geographical study of San Clemente Island. Unpublished Master's Thesis. Department of Geography, California State University Long Beach. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Apple RM, Allen R. 1996. Cultural resource phase I survey inventory report. Contract No. N68711-93-D-1555. Delivery Order 9. Prepared for U.S. Department of the Navy, Southwest Division, Naval Facilities Engineering Command. Prepared by KEA Environmental, Inc., San Diego, CA.
- Apple RM, Dolan C, Wahoff T. 1997. Cultural resource phase I inventory report for small arms, demolition ranges, and training areas for Naval Special Warfare Group One, San Clemente Island, California. Contract No. N68711-95-D-7692, Delivery Order 12. Prepared for U.S. Department of the Navy, Southwest Division, Naval Facilities Engineering Command. Prepared by KEA Environmental, Inc., San Diego, CA.
- Apple RM, Dolan C, Pettus R. 2003. San Clemente Island cultural resources summary report. Contract No. N68711-96-C-2164. Subconsultant Contract SRS-NPB98-002. Prepared for SRS Technologies, Newport Beach. Prepared by KEA Environmental, Inc., San Diego, CA.
- Axford LM. 1975. Archaeological research on San Clemente Island (research proposal submitted to Naval Undersea Center, San Diego, California). On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Axford LM. 1976. Archaeological research on San Clemente Island. Progress Report. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Axford LM. 1977. Archaeological research on San Clemente Island. Progress Report. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Axford LM. 1978. Current archaeological investigations on San Clemente Island, California. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Axford LM. 1984. Four years of archaeological investigations on San Clemente Island, California. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Axford LM. 1987. Late historic Chinese abalone collectors on San Clemente Island. Paper presented to the Third California Island Symposium.
- Berryman JA. 1995. Archival information, abalone shell, broken pots, hearths, and windbreaks: clues to identifying nineteenth century California abalone collection and processing sites San Clemente Island: A case study. Unpublished PhD Dissertation, Department of Anthropology, University of California Riverside. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.

- Berryman JA. 2003. Archaeological evaluation of two sites, SCRR-3 and SCRR-5, Central San Clemente Island. Prepared by Recon. Prepared for U.S. Department of the Navy, Southwest Division.
- Bruce SC. 1994. Historical geography of San Clemente Island 1542-1935. Unpublished honors thesis, University Scholars Program, California State University Long Beach. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Byrd BF, Andrews S. 2001. Ridge Road archaeological survey and site recording project, central San Clemente Island, California. Prepared by ASM Affiliates, Encinitas, California Contract No. N68711-98-D-5402, D.O. No. 08.
- Byrd BF, Hale M. 2003. Archaeological technical report for special project RC20-01 (road improvements) on San Clemente Island, California. Prepared by ASM Affiliates for Natural Resources Office, Naval Region Southwest, San Diego, CA.
- Byrd BF, O'Neill C. 2001. DC and U21 archaeological survey and site recording project, northern San Clemente Island, California. Prepared for Natural Resources Office, Navy Region Southwest, Naval Air Station North Island. Prepared by ASM Affiliates and Department of Anthropology, CSU Northridge. Contract No. N68711-D-5402, D.O. 06. On file at Natural Resources Office, Fleet ASW Training Center, San Diego, CA.
- Chiswell C. No date. Final report: University of San Diego field class, spring 1992. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Doolittle CJ, Grenda DR, Ciolek-Torrello RS. 1997. Archaeological sites significance evaluation report for nine sites on San Clemente. Prepared for U.S. Department of the Navy. Prepared by Statistical Research Inc. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, California.
- Ehringer. 2003. Roosters and raptors: Cultural continuity and change at big dog cave, San Clemente Island, California. Unpublished Master's Thesis, Department of Anthropology, California State University, Northridge. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Eisentraut P. 1988. Investigations of prehistoric seed caches for site CA-SCLI-1524, San Clemente Island. Paper for Honors Program, Department of Anthropology, University of California, Los Angeles. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Erlandson JM, Kennett D, Ingraham BL, Guthrie DA, Morris D, Tveskov M, West GJ, Walker PL. 1996. An archaeological and paleontological chronology for Daisy Cave (CA-SMI-261), San Miguel Island, CA. *Radiocarbon* 38(2):355-373.
- Fiore CM. 1998. These old houses: Aboriginal domestic structures at Eel Point, San Clemente Island. Unpublished Master's Thesis, Department of Anthropology, California State University, Northridge. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Foley AM. 1987. Xantusia Cave San Clemente Island: An ocean view. Unpublished Master's Thesis, Department of Anthropology, University of California, Los Angeles. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.

- Garlinghouse TS. 2000. Human responses to insularity: The intensification of a marine-oriented economy on San Clemente Island, California. PhD Dissertation, Department of Anthropology, University of California, Davis. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Ghirardelli F. 1984. A chronological cultural development sequence for the Eel Point Site, San Clemente Island, California. Unpublished Master's Thesis, Department of Anthropology, University of California, Los Angeles. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, California.
- Gross GT, Schultz RD, Alter RC. 1996a. An archaeological site survey of burned areas on central San Clemente Island, California. Prepared for Naval Air Station, North Island. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Gross GT, Schultz RD, Alter RC. 1996b. Archaeological site documentation in NATACMS test areas central San Clemente Island, California. Prepared for Naval Air Station, North Island. Prepared by Affinis, San Diego. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Hale AE. 1995. The world in a basket: Late period Gabrielino ceremonial features from the Lemon Tank Sites, San Clemente Island, California. Unpublished Master's Thesis, Department of Anthropology, California State University, Northridge. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Hatheway RG, Greenwood RS. 1981. Part 2: An overview of history and historical archaeology San Clemente Island. Prepared for Cambers Consultants and Planners. In Draft Cultural Resources of San Clemente Island, California. Prepared for Naval Air Station, North Island. Prepared by Jack L. Zahniser, Chamber Consultants and Planners. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Howard W. 1991. Over the edge: The archaeological investigation of lithic raw material on the eastern escarpment of San Clemente Island, California. Unpublished Master's Thesis, Department of Anthropology, California State University, Northridge. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Huey DM. 1992. Aboriginal houses in the California Bight: The investigation of prehistoric house structures at San Clemente Island, California. Unpublished Master's Thesis, Department of Anthropology, San Diego State University. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- JRP Historical Consulting Services. 1997. Inventory and evaluation of National Register eligibility TAR 4, TAR 10, and TAR 17, San Clemente Island, Los Angeles County, California. Prepared for KEA Environmental, Inc. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- JRP Historical Consulting Services. 2000. Inventory and evaluation for National Register of Historic Places eligibility for cold war-era buildings and structures, San Clemente Island, Los Angeles County, California. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- King EM. 2005. The anatomy of 8,500 years: Site formation processes at Eel Point (CA-SCLI-43), San Clemente Island, California. Unpublished Master's Thesis, Department of

- Anthropology, California State University, Northridge. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, California.
- Manley WR, Van Wormer SR. 1998. Draft historic resources eligibility survey of 30 buildings in Wilson Cove, San Clemente Island, California. Prepared for the U.S. Department of the Navy, Southwest Division. Prepared by William Manley Consulting. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Noah AC. 1987. A meeting of paradigms: A late-century analysis of mid-century excavations of San Clemente Island. Unpublished Master's Thesis, Department of Anthropology, San Diego State University. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Porcasi JF. 1995. Trans-Holocene marine mammal hunting on San Clemente Island, California: Additional data to assess a prehistoric "tragedy of the commons" and declining mammalian foraging efficiency. Unpublished Masters Thesis, Department of Anthropology, California State University, Northridge. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- PS Associates. 1987. Archaeological resource study: Morro Bay to the Mexican border. Final Report. Prepared for U.S. Minerals Management Service. OCS Study MMS-87-0025.
- Raab LM. 1991a. An optimal foraging analysis of prehistoric shellfish collection on San Clemente Island, California. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Raab LM. 1991b. Human keystone predators on prehistoric San Clemente Island, California. On file, Center for Public Archaeology, California State University, Northridge, CA.
- Raab LM, Yatsko A. 1990. Prehistoric human ecology of Quinquina, a research design for archaeological studies on San Clemente Island, Southern California. *Pacific Coast Archaeological Society Quarterly* 26(2 & 3):10-37.
- Raab LM, Bradford MK, Yatsko A. 1994. Advances in southern Channel Islands archaeology: 1983-1993. *Journal of California and Great Basin Anthropology*, 16(2):243-270.
- Rechtman R. 1985. The historic period occupation at the aboriginal site of ledge, San Clemente Island: An analysis of historic artifacts. Unpublished Master's Thesis, Department of Anthropology, University of California, Los Angeles. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Salls R. 1988. Prehistoric fisheries of the California Bight. PhD Dissertation, University of California, Los Angeles. San Clemente Island. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Scalise JL. 1994. San Clemente Island's social and economic exchange networks: A diachronic view of interaction among the maritime adapted southern and northern Channel Islands, California. PhD Dissertation, Department of Anthropology, University of California, Los Angeles. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Storey NC. 2002. The archaeology of industrial agrarian capitalism and framework for the evaluation of a rural historic landscape: A case study on San Clemente Island. Unpublished Master's Thesis, Department of Anthropology, Sonoma State University. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.

- Strauss MC. 2001. Milling equipment on San Clemente Island, California: A trans-Holocene technological study in a maritime environment. Unpublished Master's Thesis, Department of Anthropology, California State University, Northridge. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Taskiran AN. 2001. Flaked-stone technological organization on the Channel Islands, California. PhD Dissertation, Department of Anthropology, University of California, Riverside. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Titus MD. 1987. Evidence for prehistoric occupation of sites on San Clemente Island by Hohan and Uto-Aztecan Indians. Unpublished Master's Thesis, Department of Anthropology, San Diego State University. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- U.S. Department of the Navy [DoN]. 1998. Draft environmental assessment for cultural resource phase I inventory report for small arms, demolition ranges, and training areas for Naval Special Warfare Group One San Clemente Island, California. Southwest Division, San Diego. KEA Environmental Inc., San Diego for Southwest Division Naval Facilities Engineering Command (SWDIV). On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, California.
- U.S. Department of the Navy. 2007. Programmatic agreement among the Commander Navy Region Southwest, California State Historic Preservation Officer, and Advisory Council on Historic Preservation regarding operational and development undertakings at the San Clemente Island Range Complex, California, Draft. August.
- U.S. Department of the Navy. 2008. Programmatic Agreement among the Commanding Officer, Naval Base Coronado, California State Historic Preservation Officer, and Advisory Council On Historic Preservation Regarding Operational and Developmental Undertakings at San Clemente Island, California.
- Vance DW. 2000. Maritime subsistence technology change in the late Holocene: A study of the functional and stylistic characteristics of circular shell fishhooks at Eel Point, San Clemente Island. Unpublished Master's Thesis, Department of Anthropology, California State University, Northridge. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Yatsko A. 1987. Scope of work: An archaeological site survey at San Clemente Island, California. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Yatsko A. 1988. Repair of overhead electric lines, San Clemente Island. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Yatsko A. 1989. Reassessing archaeological site density at San Clemente Island. In Proceedings of the Society for California Archaeology 2:187-204. San Diego, CA.
- Yatsko A. 1990. San Clemente Island: An introduction. Pacific Coast Archaeological Society Quarterly 26(2&3):1-9.
- Yatsko A. 1991-1992. Project design/scope of work for the legacy program demonstration project: A probabilistic archaeological site survey, NALF San Clemente Island, California. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.

- Yatsko A. 1995. Project design for archaeological site evaluations, missile impact areas, San Clemente Island, California. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- Yatsko A. 1997. Supplemental information and clarifications to the NAS North Island's biological assessment for the establishment of and island night lizard management area on San Clemente Island. NAS North Island Resource Management Program.
- Yatsko A. 2000. Late Holocene paleoclimatic stress and prehistoric human occupation on San Clemente Island. PhD Dissertation, Department of Anthropology, University of California, Los Angeles. On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.

3.13 TRAFFIC

- FACSFAC San Diego 2007. <http://www.facsfacsd.navy.mil/>
- Marine Link. 2004. Vessel traffic up at Los Angeles/Long Beach. <http://www.marinelink.com>. 14 January.
- NAWCWPNS Point Mugu. 1996. Ship traffic study, southern California operations area, status report. Prepared by William C. O'Connell, Test Operations Division. Point Mugu, CA. 9 April.
- National Oceanic and Atmospheric Administration [NOAA]. 2007. Marine forecasts. <http://www.weather.gov/os/marine/cwd.htm>.
- Port of San Diego. 2003. www.portofsandiego.org/sandiego_maritime/assets/documents/statistics/maritime_statsDecember02.pdf
- U.S. Department of Defense [DoD]. 2007. <https://www.notams.jcs.mil>. Accessed 21 August.
- U.S. Department of the Navy [DoN]. 2007. <http://www.scisland.org/schedules/schedules.php>. Accessed 21 Aug.

3.14 SOCIOECONOMICS

- California Department of Fish and Game [CDFG]. 2007. Average annual commercial landing of fish and invertebrates and value within the SOCAL range (2002-2005).
- U.S. Department of the Navy [DoN]. 2007. Environmental assessment: Joint task force exercises and composite training unit exercises. Prepared for Commander, U.S. Pacific Fleet and Commander, THIRD Fleet.
- U.S. Department of Transportation [DOT]. 2007. <http://www.bts.gov>. 13 Jun.

3.15 ENVIRONMENTAL JUSTICE AND PROTECTION OF CHILDREN

No references in this section

3.16 PUBLIC SAFETY

- U.S. Department of Defense [DoD]. 1981. Use of airspace by U.S. military seas. Directive 4540.1.
- U.S. Department of the Navy [DoN]. 1981. Use of airspace by U.S. military aircraft and firing over the high seas. OPNAVINST 3770.4A.
- U.S. Department of the Navy. 1993. Naval Auxiliary Landing Field San Clemente Island compatibility study: Land use, operations, and natural resource compatibility report.

- KTU&A, Contract Number N68711-91-C-0035 for Southwest Division Naval Facilities Engineering Command (SWDIV). On file, Navy Region Southwest Environmental Department, Fleet ASW Training Center, San Diego, CA.
- U.S. Department of the Navy. 1996. Final environmental impact statement, disposal of U.S. Navy shipboard solid waste. Naval Facilities Engineering Command, Lester, PA. August.
- U.S. Department of the Navy. 1997. Manual of the Third Fleet operating areas. FACSFACDINST 3120.1D. pp 1-78.
- U.S. Department of the Navy. 1999. Southern California Offshore Range users manual. FACSFACDINST 3550.1. Naval Air Station North Island, San Diego, CA.
- U.S. Department of the Navy. 2004. Southern California Offshore Range users manual. FACSFACDINST 3550.1. Naval Air Station North Island, San Diego, CA.

CHAPTER 4

- Andrew, R.K., B.M. Howe, J.A. Mercer, and M.A. Dzieciuch, 2002. "Ocean ambient sound: Comparing the 1960's with the 1990's for a receiver off the California coast," *Acoustic Research Letters Online*, 3(2): 65-70. April.
- Arveson, P.T. and D.J. Vendittis, 2000. "Radiated noise characteristics of a modern cargo ship," *Journal of the Acoustic Society of America*, 107(1):118-129.
- Baird, R.W. 2002. "Killer whales of the world: natural history and conservation". *Voyageur Press*, Stillwater, MN 132 pp.
- Baird, R.W., and A.M. Gorgone, 2005. "False killer whale dorsal fin disfigurements as a possible indicator of long-line fishery interactions in Hawaiian waters," *Pacific Science*, 59(4):593-601.
- Bauer, G., M. Fuller, A. Perry, J.R. Dunn, and J. Zoeger, 1985. "Magnetoreception and biomineralization of magnetite in cetaceans," pp. 489-507. In: *Magnetite Biomineralization and Magnetoreception in Organisms: A New Biomagnetism* edited by J.L. Kirschvink, D.S. Jones, and B.J. MacFadden (Plenum Press, New York).
- Borell, A., 1993. "PCB and DDTs in blubber of cetaceans from the northeastern north Atlantic," *Marine Pollution Bulletin*, 26: 146-151.
- Brabyn, M.W., and I.G. McLean, 1992. "Oceanography and coastal topography of herdstranding sites for whales in New Zealand," *Journal of Mammology*, 73, 469-476.
- California Air Resources Board. 2006. California Almanac of Emissions and Air Quality – 2006 Edition.
- Campagna, C., V. Falabella, M. Lewis, 2007. "Entanglement of southern elephant seals in squid fishing gear," *Marine Mammal Science*, 23(2):414-418.
- Carretta JV, Forney KA, Muto MM, Barlow J, Baker J, Lowry M. 2004. U.S. Pacific marine mammal stock assessments: 2003. NOAA Technical Memorandum NMFS-SWFSC-358. Southwest Fisheries Science Center, National Marine Fisheries Service, La Jolla, CA.
- Chambers, S., and R.N. James, 2005. "Sonar termination as a cause of mass cetacean strandings in Geographe Bay, south-western Australia," In: *Acoustics 2005, Acoustics in a Changing Environment* (Busselton, Western Australia).
- Chawkins, Steve 2007. Whale Seen as Victim of Ship. Los Angeles Times September 23, 2007.

- Cockcroft, V.G., G. Cliff, and G.J.B. Ross, 1989. "Shark predation on Indian Ocean bottlenose dolphins *Tursiops truncatus* off Natal, South Africa," *South African Journal of Zoology* 24, 305-310.
- Conner, R.C., 2000. "Group living in whales and dolphins," pp. 199-218. In: *Cetacean Societies: In: Field Studies of Dolphins and Whales*, edited by J. Mann, R. C. Conner, P. L. Tyack, and H. Whitehead (University of Chicago Press, Chicago).
- Constantine, R., I. Visser, D. Buurman, R. Buurman, and B. McFadden, 1998. "Killer whale (*Orcinus orca*) predation on dusky dolphins (*Lagenorhynchus obscurus*) in Kaikoura, New Zealand," *Marine Mammal Science*, 14:324-330.
- Crocker, D.E., D.P. Costa, B.J. Le Boeuf, P.M. Webb, and D.S. Houser, 2006. "Impacts of El Niño on the foraging behavior of female northern elephant seals," *Marine Ecology. Program Series* 309.
- Culik, B.M., 2002. "Review on Small Cetaceans: Distribution, Behaviour, Migration and Threats," in United Nations Environment Programme, Convention on Migratory Species (Marine Mammal Action Plan/Regional Seas Reports and Studies No. 177), p. 343. [Online]. Available: http://www.unep.org/regionalseas/News/Review_of_Small_Cetaceans/default.asp
- De Stephanis, R. and E. Urquiola, 2006. 'Collisions between ships and cetaceans in Spain,' Report to the Scientific Committee, *International Whaling Commission SC/58/BC5*.
- Dudok van Heel, W.H., 1966. "Navigation in cetacea," pp. 597-606. In: *Whales, Dolphins, and Porpoises*, edited by K. S. Norris (University of California Press, Berkeley).
- Dunn, J.L., J.D. Buck, and T.R. Robeck. 2001. "Bacterial diseases of cetaceans and pinnipeds," pp. 309-336. In: L.A. Dierauf and F.M.D. Gulland, eds. *CRC Handbook of Marine Mammal Medicine*. CRC Press, Boca Raton, FL.
- Emery, K.O. 1960. *The sea off southern California--A modern habitat of petroleum*. New York: John Wiley & Sons, Inc.
- Evans, K., M.A. Hindell, D. Thiele, 2003. "Body fat and condition in sperm whales, *Physeter macrocephalus*, from southern Australian waters," *Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology*, 134A(4):847-862.
- Finneran, J.J., C.E. Schlundt, D.A. Carder, J.A. Clark, J.A. Young, J.B. Gaspin, and S.H. Ridgway, 2000. "Auditory and behavioral responses of bottlenose dolphins (*Tursiops truncatus*) and a beluga whale (*Delphinapterus leucas*) to impulsive sounds resembling distant signatures of underwater explosions," *Journal of the Acoustical Society of America*, 108:417-431.
- Finneran, J.J., D.A. Carder, and S.H. Ridgway, 2003. "Temporary threshold shift measurements in bottlenose dolphins *Tursiops truncatus*, belugas *Delphinapterus leucas*, and California sea lions *Zalophus californianus*, Environmental Consequences of Underwater Sound (ECOUS) Symposium, San Antonio, TX, 12-16 May 2003.
- Finneran, J.J., D.A. Carder, C.E. Schlundt, and S.H. Ridgway, 2005. "Temporary threshold shift in bottlenose dolphins (*Tursiops truncatus*) exposed to mid-frequency tones," *Journal of Acoustical Society of America*, 118:2696-2705.
- Fischer PJ (1978) Natural gas and oil seeps, Santa Barbara Basin, California. The State Land Commission 1977, California Gas, Oil, and Tar Seeps, pp 1-62

- Foster, M.S., and D.R. Schiel. 1985. The ecology of giant kelp forests in California: A community profile. U.S. Fish and Wildlife Service Biological Report 85(7.2). Slidell, Louisiana: U.S. Fish and Wildlife Service.
- Geraci, J.R., and V.J. Lounsbury, 2005. *Marine Mammals Ashore: A Field Guide for Strandings, Second Edition*. National Aquarium in Baltimore, Baltimore, MD.
- Geraci, J.R., J. Harwood, and V.J. Lounsbury, 1999. "Marine Mammal Die-Offs – Causes, Investigations, and Issues" *Conservation and Management of Marine Mammals* (ed. J.R. Twiss Jr. and R.R. Reeves), pp. 367-395.
- Guinet, C., L.G. Barrett-Lennard, and B. Loyer, 2000. "Co-ordinated attack behavior and prey sharing by killer whales at Crozet Archipelago: strategies for feeding on negatively buoyant prey," *Marine Mammal Science*, 16:829-834.
- Gulland, F.M.D. and A.J. Hall, 2005. "The role of infectious disease in influencing status and Trends," pp. 47-61. In: *Marine Mammal Research*, edited by J.E. Reynolds, W.F. Perrin, R.R. Reeves, S. Montgomery, and T.J. Ragen (John Hopkins University Press, Baltimore).
- Gulland, F.M.D. and A.J. Hall, 2007. "Is marine mammal health deteriorating? Trends in global reporting of marine mammal disease," *EcoHealth* 4:135-150.
- Harwood, J., 2002. "Mass Die-offs," pp. 724-726. In *Encyclopedia of Marine Mammals*, edited by W.F. Perrin, B. Würsig, and J.G.M. Thewissen (Academic Press, San Diego).
- Heithaus, M.R., 2001. "Shark attacks on bottlenose dolphins (*Tursiops aduncus*) in Shark Bay, Western Australia: Attack rate, bite scar frequencies and attack seasonality," *Marine Mammal Science* 17:526-539.
- Heyning, J.E., and T.D. Lewis, 1990. "Fisheries interactions involving baleen whales off southern California," *Report of the International Whaling Commission*, 40:427-431.
- Hickey, B.M. 1979. The California current system--hypotheses and facts. *Progress in Oceanography* 8:191-279.
- Hickie, B.E., R.W. Macdonald, J.K.B. Ford and P.S. Ross, 2007. "Killer whales (*Orcinus orca*) face protracted health risks associated with lifetime exposure to PCBs," *Environmental Science and Technology*, 41(18):6613-9.
- Hiruki, L.M., M.K. Schwartz, and P.L. Boveng, 1999. "Hunting and social behaviour of leopard seals (*Hydrurga leptonyx*) at Seal Island, South Shetland Islands, Antarctica," *Journal of Zoology* 249:97-109.
- Hulse, Carl and Pear, Robert, 2008. <http://www.nytimes.com/2008/09/25/washington/25spend.html?scp=7&sq=drilling%20m&st=cse>. The New York Times September 24, 2008.
- Jackson, G.A. 1986. Physical oceanography of the Southern California Bight. Pages 14-51 in M.J. Bowman, R.T. Barber, C.N.K. Mooers, and R.W. Eppley, eds. Lecture notes on coastal and estuarine studies: Plankton dynamics of the Southern California Bight. Berlin: Springer-Verlag.
- Jackson, J. B. C., Kirby, M. X., Berger, W. H., Bjorndal, K. A., Botsford, L. W., Bourque, B. J., Bradbury, R. H. et al. 2001. Historical overfishing and the recent collapse of coastal ecosystems. *Science*, 293: 629–638.

- Jasny, M., J. Reynolds, C. Horowitz, and A. Wetzler, 2005. *Sounding the depths II: The rising toll of sonar, shipping and industrial ocean noise on marine life*. Natural Resources Defense Council Report, New York, New York. 84 pp.
- Kirschvink, J.L., A.E. Dizon, and J.A. Westphal, 1986. "Evidence from strandings for geomagnetic sensitivity in cetaceans," *Journal of Experimental Biology*, 120:1-24.
- Klinowska, M., 1985. "Cetacean stranding sites relate to geomagnetic topography," *Aquatic Mammals*, 1:27-32.
- Klinowska, M. 1986. "Cetacean live stranding dates relate to geomagnetic disturbances," *Aquatic Mammals* 11:109-119.
- Knowlton, A.R. and S.D. Kraus, 2001. "Mortality and serious injury of northern right whales (*Eubalaena glacialis*) in the western North Atlantic Ocean," *Journal of Cetacean Research and Management (Special Issue)*, 2:193-208.
- Krahn, M.M., D.P. Herman, D.P., C.O., Matkin, J.W. Durban, L. Barrett-Lennard, D.G. Burrows, M.E. Dahlheim, N. Black, N., R.G. LeDuc, and P.R. Wade, 2007. "Use of chemical tracers in assessing the diet and foraging regions of eastern North Pacific killer whales," *Marine Environmental Research*, 63, 91-114.
- Laist, D.W., A.R. Knowlton, G.M. Mead, A.S. Collet, and M. Podesta, 2001. "Collisions between ships and whales," *Marine Mammal Science*, 17(1):35-75 (January 2001).
- Le Boeuf, B.J., and J. Reiter, 1991. "Biological effects associated with El Nino Southern Oscillation, 1982-83 on northern elephant seals breeding at Ano Nuevo, California," pp. 206-218. In: *Pinnipeds and El Nino: Responses to Environmental Stress*, edited by F. Trillmich, and K. A. Ono (Springer-Verlag, Berlin).
- Learmonth, J.A., C.D. Macleod, M.B. Santos, G.J. Pierce, H.Q.P. Crick, and R.A. Robinson, 2006. "Potential effects of climate change on marine mammals," *Oceanography and Marine Biology: an Annual Review* 44:431-464.
- Lentz, S.J., and C.D. Winant. 1979. Ocean station Del Mar current meter campaign. Report No. SIO 79-27. San Diego: University of California, San Diego.
- Maldini, D., L. Mazzuca, and S. Atkinson, 2005. "Odontocete stranding patterns in the main Hawaiian Islands (1937-2002): How do they compare with live animal surveys?," *Pacific Science*, 59(1):55-67.
- Mazzuca, L., S. Atkinson, B. Keating, and E. Nitta, 1999. "Cetacean mass strandings in the Hawaiian Archipelago, 1957-1998," *Aquatic Mammals*, 25 (2): 105-114.
- McDonald, M.A., J.A. Hildebrand, and S.M. Wiggins. 2006. "Increases in deep ocean ambient noise in the Northeast Pacific west of San Nicolas Island, California," *Journal of the Acoustical Society of America*. 120:711-718.
- Moore, S.E., 2005. "Long-term Environmental Change and Marine Mammals," pp. 137-147. In: *Marine Mammal Research: Conservation Beyond Crisis*, edited by J.E. Reynolds, W.F. Perrin, R.R. Reeves, S. Montgomery, and T.J. Ragen (John Hopkins University Press, Baltimore).
- National Marine Fisheries Service, 2007. National Marine Fisheries Service, Office of Protected Resources. "Hawaii Viewing Guidelines" [Online]. Available: <http://www.nmfs.noaa.gov/pr/education/hawaii/guidelines.htm> [14 February 2007].
- National Marine Fisheries Service, 2007b. "FAQs about Marine Mammal Strandings," [Online]. Available: <http://www.nmfs.noaa.gov/pr/health/faq.htm> [30 January 2007].

- Nieri, M., E. Grau, B. Lamarch, and A. Aguilar, 1999. "Mass mortality of Atlantic spotted dolphin (*Stenella frontalis*) caused by a fishing interaction in Mauritania," *Marine Mammal Science*, 15(3):847-854).
- O'Hara, T.M., and C. Rice, 1996. "Polychlorinated biphenyls," pp. 71–86. In: *Noninfectious diseases of wildlife, 2nd edition*, A. Fairbrother, L. Locke, and G. Hoff (eds.). Iowa State University Press, Ames, Iowa.
- O'Hara T.M., Krahn, M., Boyd, D., Becker, P. and Philo, M., 1999. "Organochlorine Contaminant Levels in Eskimo Harvested Bowhead Whales of Arctic Alaska," *Journal of Wildlife Diseases*, 35(4):741–752. Wildlife Disease Association.
- O'Shea, T. and Brownell, R.L. 1994. "Organochlorine and metal contaminants in baleen whales: A review and evaluation of conservation implications." *Science of the Total Environment* 154: 179–200.
- Perrin, W.F., and Geraci, J.R., 2002. "Stranding," pp. 1192-1197. In: *Encyclopedia of Marine Mammals*, edited by W.F. Perrin, B. Wursig, and J.G.M. Thewissen (Academic Press, San Diego).
- Pitman, R.L., L.T. Ballance, S.L. Mesnick, and S.J. Chivers, 2001. "Killer whale predation on sperm whales: Observations and implications," *Marine Mammal Science* 17:494-507.
- Plotkin PT, Byles RA, Owens DW. 1994. Post-breeding movements of male olive ridley sea turtles *Lepidochelys olivacea* from a nearshore breeding area. In: Bjorndal K.A., Bolton A.B., Johnson D.A., Eliazar P.J. (eds). Proc 14th Annual Symposium Sea Turtle Biol Conserv. NOAA Tech Memo NMFCSEFSC 351:119
- Polefka, S., 2004. "Anthropogenic Noise and the Channel Islands National Marine Sanctuary How Noise Affects Sanctuary Resources, and What We Can Do About It," September. [Online]. Available: <http://channelislands.noaa.gov/sac/pdf/7-12-04.pdf>
- Port of Long Beach, 2008. <http://www.polb.com/about/facts.asp>. Accessed October 14, 2008.
- Port of Los Angeles 2008. http://portoflosangeles.org/idx_about.asp. Accessed October 14, 2008.
- Port of San Diego, 2007. Cold Ironing Study. Prepared by York Engineering, Inc. May 2007.
- Read, A.J., P. Drinker, and S. Northridge, 2006. "Bycatch of Marine Mammals in U.S. and Global Fisheries," *Conservation Biology*, 20:63-169.
- Richardson, W.J., C.R. Greene, Jr., C.I. Malme, and D.H. Thompson, 1995. Marine mammals and noise, funded by Minerals Management Service, Office of Naval Research, LGL, Ltd., Greeneride Sciences, Inc., and BBN Systems and Technologies under MMS Contract 14-12-0001-30673. San Diego: Academic Press, Inc.
- Robinson, S., L. Wynen, and S. Goldsworthy, 1999. "Predation by a Hooker's sea lion (*Phocarctos hookeri*) on a small population of fur seals (*Arctocephalus spp.*) at Macquarie Island," *Marine Mammal Science*, 15:888-893.
- Ross, D., 1976. *Mechanics of Underwater Noise*. Pergamon Press, New York, 375pp.
- Selzer, L. A., and P.M. Payne, 1988. "The distribution of white-sided dolphins (*Lagenorhynchus acutus*) and common dolphins (*Delphinus delphis*) vs. environmental features of the continental shelf of the northeastern United States," *Marine Mammal Science* 4:141-153.
- Smultea, M.A., J.R. Mobley, D. Fertl, and G.L. Fulling. 2008. An unusual reaction and other observations of sperm whales near fixed-wing aircraft. *Gulf and Caribbean Research* 20:75-80.

- Soto, N.A., M. Johnson, P.T. Madsen, P.L. Tyack, A. Bocconcelli, J.F. Borsani, 2006. "Does intense ship noise disrupt foraging in deep-diving Cuvier's beaked whales (*Ziphius cavirostris*)," *Marine Mammal Science*, 22(3): 690-699.
- South Coast Air Quality Management District. 2007.
- Southall, B.L., 2005. *Final Report of the National Oceanic and Atmospheric Administration (NOAA) International Symposium: Shipping Noise and Marine Mammals: A Forum for Science, Management, and Technology*, 18-19 May 2004. Released 27 April 2005.
- Vanderlaan, A.S.M. and C.T. Taggart, 2007. "Vessel collisions with whales: the probability of lethal injury based on vessel speed," *Marine Mammal Science*, 23(1):144-156.
- Visser, I.K.G., J.S. Teppema, and A.D.M.E. Ostrhaus, 1991. "Virus infections of seals and other Pinnipeds," *Reviews in Medical Microbiology*. 2:105-114.
- Walker, M.M., J.L. Kirschvink, G. Ahmed, and A.E. Diction, 1992. "Evidence that fin whales respond to the geomagnetic field during migration," *Journal of Experimental Biology*, 171:67-78.
- Walker, R.J., E.O. Keith, A.E. Yankovsky, and D.K. Odell, 2005. "Environmental correlates of cetacean mass stranding sites in Florida," *Marine Mammal Science* 21, 327-335.
- Walsh, M.T., R.Y. Ewing, D.K. Odell, and G.D. Bossart, 2001. "Mass Strandings of Cetaceans," pp. 83-96. In: *Marine Mammal Medicine*, edited by L. A. Dierauf, and F. M. D. Gulland (CRC Press, Boca Raton).
- Wartzok, D., and D.R. Ketten, 1999. "Marine Mammal Sensory Systems," pp. 117-175. In: *Biology of Marine Mammals* (ed. J.E. Reynolds III and S.A. Rommel).
- Weise, M.J., D.P. Costa, and R.M. Kudela, 2006. "Movement and diving behavior of male California sea lion (*Zalophus californianus*) during anomalous oceanographic conditions of 2005," *Geophysical Research Letters* 33: L22S10. pp. 6
- Whitehead, H., 2003. *Sperm whales: Social evolution in the ocean*, Chicago: University of Chicago Press. pp. 417.
- Zeeberg, J.A. Corten, and E. de Graaf, 2006. "Bycatch and release of pelagic megafauna in industrial trawler fisheries off Northwest Africa," *Fisheries Research* 78:186-195.
- Zedler, J.B. 1982. *The ecology of southern California coastal salt marshes: A community profile*. Washington, D.C.: U.S. Fish and Wildlife Service, Biological Services Program.

CHAPTER 5

- Barlow, J. and Gisiner, R. 2006. Mitigating, monitoring and assessing the effects of anthropogenic sound on beaked whales. *J. Cetacean Res. Manage.* 7(3):239-249, 2006
- U.S. Department of the Navy. 2000. *Compliance with Environmental Requirements in the Conduct of Naval Exercises or Training at Sea*. Memorandum, 2000.
- U.S. Department of the Navy. 2002. *San Clemente Island integrated natural resources management plan: Final*. San Diego, California. Prepared by Tierra Data Systems, Escondido, CA. May.

CHAPTER 6

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CHAPTER 7

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