

Biographical Sketch of **MAX K. HOBERG**

Born:

24 December 1951; San Francisco, California

Education:

Humboldt State University, Arcata, CA, M.A., Biology, March 1986

University of Alaska Fairbanks, B.S., Biological Science, December 1975

University of Alaska Fairbanks, B.S., Fisheries Biology, May 1975

Employment History:

Marine Biologist and Assistant Diving Officer, Institute of Marine Science, University of Alaska Fairbanks, Alaskan intertidal, subtidal and estuarine waters, June 1989-present.

Marine Biologist, Department of Chemistry, Stanford University, Stanford, CA, central California coast intertidal and subtidal waters, September 1987-May 1989.

Fisheries Biologist, Envirosphere, Anchorage, AK, Gwydyr Bay, Prudhoe Bay, Niakuk Islands and Sagavanirktok River Delta, July-September, 1986-1987.

Biologist, Alaska Biological Research, Fairbanks, AK, St. Matthew Island, June-August 1985.

Marine Biologist, Humboldt State University, Department of Biology, Arcata, CA, entrance area of Humboldt Bay, May 1983.

Biologist, Falco, Fairbanks, AK, St. Matthew Island, June-August 1982.

Marine Biologist, Dunstaffnage Marine Research Laboratory, Scottish Marine Biological Association, Oban, Argyll, Scotland, northwestern coastal lochs, March-April 1982.

Marine Biologist, Institute of Marine Science, University of Alaska Fairbanks, Alaskan intertidal, subtidal and estuarine waters, May 1975-August 1980, June 1981-March 1982.

Fisheries Biologist, Alaska Department of Fish and Game, Dillingham, AK, Togiak River and Togiak Bay, June-August, 1972-1974.

Special Qualifications:

SCUBA: Certified Divemaster (NAUI), Ice Diver (PADI) and Equipment Specialist (PADI); tropical, temperate, and arctic experience: Underwater photography, First aid/CPR/AED and Emergency O2 administration.

Experience with marine and estuarine invertebrates, including taxonomy

Experience with marine, anadromous and freshwater fishes, including taxonomy

Extensive sea time and remote field camp experience

Benthic and oceanographic sampling gear operation

Experience with personal computers and software

Hazardous materials transportation: 24 hours: 49CFR/ICAO/IATA

Transmission and scanning electron microscopy

Culturing of freshwater sponges and symbionts of marine sponges
Experience with radioisotopes (tritium and C¹⁴)
CHN analyzer, open column chromatography, HPLC, and GLC operation
Isolation and purification of sterols and fatty acids
Outboard motor/skiff operation and repair
Rigid Hull Inflatable Operator Training (RHOT) Canadian Coast Guard/ Bamfield, British Columbia
Radiotelephone operator permit; operation of SSB and VHF radios

Research Experience:

Sea ice investigation near Point Barrow to determine seasonal habitat for marine invertebrate juveniles in Arctic fast ice systems. Taxonomic consultant to Drs. R. Gradinger and B. Bluhm, IMS/SFOS University of Alaska Fairbanks. NSF funded project. 2005-8.

Investigation to determine the effects of treated ballast effluent release on the benthos of Port Valdez, Alaska. Taxonomic consultant to Dr. A. Blanchard, IMS/SFOS University of Alaska Fairbanks. Alyeska Pipeline Service Company funded project. 2005-8.

Preliminary evaluation of hardbottom substrate sampling techniques in Sitka, Alaska, prior to the EMAP Aleutian Island 2006-7 field seasons. EPA and ADEC funded. 2005.

Investigation to determine the prey composition and diet partitioning of the Dark Dusky Rockfish (*Sebastes ciliatus*) and the Black Rockfish (*Sebastes melanops*) from the Shumagin Islands, Alaska. ADF&G funded project. 2005.

Investigation to determine the prey composition of the Red King Crab (*Paralithodes camtschatica*) near St. Matthew Island, Alaska. ADF&G funded project. 2005.

Pebble Gold Copper Project: Marine Environmental Baseline. Preliminary investigation to provide data from the nearshore benthos, adjacent to four sites in Iliamna and Iniskin Bays, western Cook Inlet, prior to possible facility construction. Subcontract to RWJ Consulting: 2004; Knik Arm and Knik River, Upper Cook Inlet, RWJ Consulting and Pentac Environmental: 2005-6.

Investigation to provide a baseline for future long-term monitoring of the terrestrial and marine ecosystems of Amchitka Island by DOE. To assure the Aleut/Pribilof communities, USF&WS, ADEC that there are no risks to organisms and to the consumers regarding the possibility of current or future leakage of radionuclides following three underground nuclear tests (Longshot 1965, Milrow 1968, and Cannikin 1971). DOE funded and administered by CRESP. 2004.

Investigation to determine the prey composition of the Blue King Crab (*Paralithodes platypus*) near St. Matthew Island, Alaska. ADF&G funded project. 2004.

Preliminary assessment to define the distribution, abundance and biomass of the Horse Clam (*Tresus capax*) for a nearshore commercial fishery on Kodiak Island, Alaska. IMS and ADF&G funded project. 2003-4.

GEM: Gulf Ecosystem Monitoring. The establishment of permanent intertidal and shallow subtidal monitoring sites in Prince William Sound, the Kenai Peninsula and Kodiak Island group. Taxonomic consultant to Drs. B. Konar and K. Iken, IMS/SFOS University of Alaska Fairbanks. EPA and ADEC funded. 2003-5.

Investigation of the Canadian Basin. The Hidden Ocean: Exploration under the ice of the Western Arctic-Deep Sea Benthos: Diversity and Food Web Structure. Taxonomic consultant to Drs. B. Bluhm and K. Iken, IMS/SFOS University of Alaska Fairbanks and Dr. MacDonald, Texas A&M. Project funded by NOAA. 2002-3.

EMAP: Environmental Monitoring and Assessment Program: To create and integrate a coastal monitoring program to assess estuarine/marine conditions. Southcentral Alaska and Alaska Peninsula: 2002; Southeast Alaska and Northeast Gulf of Alaska: 2004; Eastern Aleutian Islands: 2006; Western Aleutian Islands: 2007. EPA funded project.

Investigating the relations between traditional and scientific knowledge of the Kotzebue Sound ecosystem. Determining the structure of the nearshore benthic ecosystem in northern Kotzebue Sound (spatial and temporal). A study funded by NSF. 2002-6.

Permanent Archiving of specimens collected in Nearshore Marine Habitats. Restoration Project 02628. Incorporated marine invertebrate material into the UAM collections. Project funded by EVOS/ADF&G. 2000-2.

Investigation of factors affecting nearshore survival and production of juvenile Sockeye salmon from Kvichak Bay-Phase 1: Important habitat, migration routes and food resources. A study funded by PCC and BBSRI. 2001.

Jellyfish (*Chrysaora melanaster/Aurelia labiata*) impact on food web production and ecosystem structure in the southeastern Bering Sea. A study funded by NURP. 2000.

Investigation (Trawlex) to determine the effects of commercial trawling on structuring the benthos (central Bristol Bay, Alaska). Subcontract to Dr. R. McConnaughey (NMFS/NOAA). 1999, 2001-3.

Investigation of the risk of non-indigenous species (NIS) introductions associated with oil tanker traffic and ballast water management for Port Valdez/Prince William Sound, Alaska. A study funded by NSF, Smithsonian Institution, Alaska Sea Grant, Alyeska Pipeline Service Company. 1999-2000.

Investigation of the intertidal and subtidal in Prince William Sound to monitor the effects of crude oil on invertebrate and fish species. NVP (Nearshore Vertebrate Predators). A study funded by the *Exxon Valdez* Oil Spill (EVOS) Trustee Council. 1996-1999.

Investigation of climatic change through analysis of sediment core parameters from Arctic lakes (Toolik Lake Field Station). Subcontract to (WHOI) Marine Biological Laboratory (NSF: Office of Polar Programs). 1999.

Inner shelf pilot investigation to determine the effects of commercial trawling on structuring the benthos (north Bristol Bay, Alaska). Taxonomic Consultant. Subcontract to Drs. B. Finney and S. Hills. A study funded by NPMR. 1999-2001.

Preliminary investigation (Delong Mountain Terminal Project) of the nearshore benthos, adjacent to the Cominco Alaska (Red Dog Mine) Port Site, NW Alaska, prior to construction/extension of the dock facility and dredging of a ship channel. Subcontract to RWJ Consulting. 1998 and 2000.

Preliminary investigation (Ketchikan Pulp Project) of Upper Tongass Narrows, adjacent to Ward Cove, SE Alaska, before construction/extension of an effluent diffuser line. Subcontract to ENSR Consulting. 1995.

Investigation (Endicott Project) to determine the effects of effluent release from the Seawater Treatment Plant on the benthos, Prudhoe Bay, Alaska. Subcontract to Montgomery & Watson. 1995.

Investigation to determine the degree of diet overlap among forage fish species and prey resource partitioning in western Prince William Sound. SEA (Sound Ecosystem Analysis). A study funded by Alaska Department of Fish & Game (ADF&G) through the EVOS Trustee Council, 1994.

Investigation of the role of zooplankton in the Prince William Sound ecosystem. SEA (Sound Ecosystem Analysis). A study funded by AFD&G through EVOS Trustee Council, 1994.

Port Valdez, Alaska: SERVS Dock Project: A study to determine the effects of dredging and subsequent dock construction on the benthos. A study funded by Alyeska Pipeline Service Company, 1994.

Eielson AFB, Alaska: Pilot project to determine the feasibility of forced air injection (bioventing) into jet fuel contaminated soil, as a means of on site bioremediation. The study was directed by Battelle Laboratories and funded by the USAF, 1992-93.

Investigation of the subtidal zone of Prince William Sound. A sampling program was developed to obtain quantitative data to monitor the effects of crude oil on subtidal invertebrate and fish species. A study funded by USDF and ADF&G, 1989-91, 1993 and 1995.

Investigation of the effects of offshore dredging on the benthos near Nome, Alaska. An environmental assessment study funded by ENSR Consulting and the State of Alaska. June 1989-90, 1993.

Investigation of the intertidal zone of Kodiak Island, Afognak Island, Shuyak Island and the Alaska Peninsula, including site evaluations. A sampling program was developed to obtain quantitative data to monitor the effects of crude oil on intertidal invertebrate species. A study funded by the USDF, 1989.

Taxonomic and natural product investigation of freshwater and marine sponges from the central California coastal foothill lakes and intertidal and subtidal zones, respectively. Cultured and identified symbionts from marine sponges. Isolated and purified sterols and fatty acids from marine invertebrates. A study funded by NIH, 1987-89.

Investigation of anadromous fish movements in Gwydyr Bay, Prudhoe Bay, Niakuk Islands and Sagavanirktok River Delta, Alaska, following causeway construction. Sampled selected anadromous fishes for age-growth and feeding habits; examined oceanographic parameters. Research funded by Sohio/British Petroleum, 1986-87.

Investigation of seabird colonies on St. Matthew Island, Alaska. Performed colony censusing, feeding habits, reproductive biology, and parasitology. An environmental assessment study funded by NOAA and MMS, 1982 and 1985.

Investigation of the distribution and abundance of the epifauna of Loch Eil, Loch Linnhe, and the Firth of Clyde, Scotland, with feeding studies on selected crustacean and demersal and pelagic fish species. Dunstaffnage Marine Research Laboratory, Oban, Argyll, Scotland. 1982.

Investigation of the benthos between Icy Bay and Cape Fairweather, northeast Gulf of Alaska. An environmental assessment study funded by NOAA, 1979.

Investigation of the benthos of Stephansen Sound (Prudhoe Bay), Alaska. An infaunal sampling program was conducted to obtain quantitative data for monitoring the effects of releasing drilling mud effluent on the benthos. Funded by Sohio/British Petroleum, 1979.

Investigation of the benthos of Dutch Harbor, Alaska. An infaunal sampling program was conducted to obtain quantitative data for monitoring effluent from crab processors. Funded by EPA, 1978.

Investigation of the benthos of Port Etches, Hinchinbrook Island; Zaikof and Rocky Bays, Montague Island, Alaska. An infaunal and epifaunal sampling program was conducted to obtain quantitative baseline data. An environmental assessment study funded by NOAA and the State of Alaska, 1978, 1981-82.

Investigation of the benthos of Izhut Bay, Afognak Island, and Kiliuda Bay, Kodiak Island, Alaska. An epifaunal and demersal fish sampling program was conducted to obtain quantitative baseline data. An environmental assessment study funded by NOAA, 1978.

Investigation of the intertidal zone of Port Valdez, Alaska. A modified Nelson-Smith sampling program was developed to obtain quantitative data to monitor the effects of ballast treatment effluent on invertebrate and algal species. Funded by Alyeska Pipeline Service Co., 1977, 1980-81, 1989, 1991-92.

Investigation of the benthos of Port Valdez, Alaska. An infaunal and epifaunal sampling program was conducted to obtain quantitative data for monitoring the effects of ballast treatment effluent on invertebrate and demersal fish species. Funded by Alyeska Pipeline Service Co., 1976-78, 1981-82, 1992, 1994-2008.

Investigation of the Lower Cook Inlet benthos. An epifaunal and demersal fish sampling program was conducted to obtain quantitative baseline data. An environmental assessment study funded by NOAA, 1976-78.

Investigation of the benthos of Ugak and Alitak Bays, Kodiak Island, Alaska. An epifaunal and demersal fish sampling program was conducted to obtain quantitative baseline data. An environmental assessment study funded by NOAA, 1976-77.

Investigation of the Norton Sound-southeastern Chukchi Sea-Kotzebue Sound benthos. An epifaunal and demersal fish sampling program was conducted to obtain quantitative baseline data. An environmental assessment study funded by NOAA, 1976-77.

Investigation of the northeastern Gulf of Alaska benthos. An epifaunal and demersal fish sampling program was conducted to obtain quantitative baseline data. An environmental assessment study funded by NOAA, 1975-78.

Investigation of the southeastern Bering Sea benthos. An epifaunal and demersal fish sampling program was conducted to obtain quantitative baseline data. An environmental assessment study funded by NOAA, 1975-77.

Memberships:

American Academy of Underwater Sciences
California Academy of Sciences
Crustacean Society
Divers Alert Network (DAN)
Monterey Bay Aquarium
Pacific Seabird Group
Pacific Science Association
Western Society of Naturalists

Conferences:

American Academy of Underwater Sciences, 27th Annual Symposium. Scripps Institution of Oceanography, La Jolla, California, March 11-15, 2008.

Alaska Marine Science Symposium (NPRB). Hotel Captain Cook, Anchorage, Alaska, January 20-23, 2008.

American Academy of Underwater Sciences, 26th Annual Symposium. University of Washington. Friday Harbor Marine Laboratories. Friday Harbor, Washington, March 2-4, 2006.

Pacific Seabird Group, 33rd Annual Meeting . Girdwood, Alaska. February 15-19, 2006.

North Pacific Marine Research (NPMR): Future research strategies for the North Pacific and Bering Sea. University of Alaska Fairbanks. October 30-November 1, 2001.

American Academy of Underwater Sciences, 21th Annual Symposium. Alaska Sealife Center, Seward, Alaska, September 19-23, 2001.

EVOS Symposium: Legacy of an oil spill 10 years after *Exxon Valdez*. Anchorage, Alaska, March 23-26, 1999.

American Academy of Underwater Sciences, 19th Annual Symposium. West Coast Santa Cruz Hotel, Santa Cruz, California, November 3-8, 1999.

American Academy of Underwater Sciences and Canadian Association for Underwater Sciences, 18th Annual Symposium. Coast Plaza Suite Hotel, Vancouver, British Columbia, October 8-11, 1998.

American Academy of Underwater Sciences, 10th Annual Symposium. Asilomar, Pacific Grove, California, September 19-22, 1993.

California Academy of Sciences: Assessing the risks from toxins in the northern California environment. Golden Gate Park, San Francisco, California, April 8-9, 1988.

California Academy of Sciences: Biomedical Importance of Marine Organisms, 3rd biennial symposium, Golden Gate Park, San Francisco, California, April 30 and May 1-2, 1987.

Comitè Arctique International: Marine Living Systems of the Far North, 6th conference, University of Alaska, Fairbanks. May 13-15, 1985.

Scottish Marine Biological Association: Fouling and Corrosion of Metals in Sea Water, 19th annual meeting, Oban, Argyll, Scotland, April 6-7, 1982.

Challenger Society: Aspects of Estuarine and Coastal Pollution, University Liverpool, England, March 25-26, 1982.

Western Society of Naturalists: 66th/78th annual meeting, Monterey, California, December 1985/1997, 61st annual meeting, University of Washington, Seattle, Washington, December 1980, 58th annual meeting, University California Santa Cruz, Santa Cruz, California, December 1977.
Alaska Science Conference (Arctic Division: AAAS) 53rd, 32nd, 27th-29th annual meetings, University of Alaska Fairbanks, September 2002, August 1981, 1976-78.
Pacific Seabird Group. 2nd-4th Annual Meetings. Asilomar Conference Center, Pacific Grove, California, December 26-30, 1975-77.

Publications:

Symposium Proceedings and Chapters in Books:

- Chenelot, H., S. Jewett and M. Hoberg. 2008. Invertebrate Communities Associated with Crustose Coralline Algae in the Eastern Aleutian Islands. pp. . In: McDonald, C. (ed.). Diving for Science: Proceedings of the American Academy of Underwater Sciences 27th Annual Diving Symposium. Scripps Institution of Oceanography.
- Jewett, S., R. Brewer, H. Chenelot, R. Clark, D. Dasher, S. Harper and M. Hoberg. 2008. Scuba Techniques for the Alaska Monitoring and Assessment Program (AKMAP) of the Aleutian Islands. pp. . In: McDonald, C. (ed.). Diving for Science: Proceedings of the American Academy of Underwater Sciences 27th Annual Diving Symposium. Scripps Institution of Oceanography.
- Jewett, S.C., M. Hoberg, H. Chenelot, S. Harper, J. Burger and M. Gochfeld. 2006. Scuba techniques used in risk assessment of possible nuclear leakage around Amchitka Island, Alaska. pp. 143-156. In: Godfrey, J.M. and Shumway, S.E. (eds.). Diving for Science: Proceedings of the American Academy of Underwater Sciences 24th Annual Diving Symposium. University of Connecticut Sea Grant, CTSG-06-03, 245 pp.
- Jewett, S.C., T.A. Dean and M.K. Hoberg. 2001. Scuba techniques used to access the effects of the *Exxon Valdez* Oil Spill. pp. 43-52. In: Jewett, S.C. (ed.). Diving for Science: Proceedings of the American Academy of Underwater Sciences 21th symposium, University of Alaska Sea Grant, AK-SG-01-06, 98 pp.
- Konar, B., K. Iken, H. Chenelot, N. Foster, G. Hanson, M. Hoberg and D. Hondelero. 2006. Biodiversity trends with depth in the Gulf of Alaska. 1st NaGISA World Congress. Oct. 15-18, 2006. Kobe, Japan.
- McDonald, J., H. M. Feder, and M. Hoberg. 1981. Bivalve Mollusks of the southeastern Bering Sea. Chapter 66. D.W. Hood and J.A. Calder (eds.). *The Eastern Bering Sea Shelf: Its Oceanography and Resources, Vol. 2*. U.S. Dept. of Commerce. 1-339 pp.
- Naidu, A. S., S. C. Jewett, H. M. Feder, and M. K. Hoberg. 1993. Stable carbon isotope ratios of Prince William Sound subtidal sediments, prior and subsequent to the *Exxon Valdez* Oil Spill. In: *Exxon Valdez Oil Spill Symposium*, Anchorage, Alaska. 341 pp.

Refereed Journals:

- Burger, J.M., S. Jewett, M. Gochfeld, M. Hoberg, S. Harper, H. Chenelot, C. Jeitner and S. Burke. 2006. The use of biota sampling for environmental contaminant analysis for characterization of benthic communities in the Aleutians. *Sci. of the Total Envir.* 369: 393-402.
- Burger, J.M., M. Gochfeld, S. Burke, C.W. Jeitner, S.C. Jewett, D. Snigaroff, R. Snigaroff, T. Stamm, S. Harper, M. Hoberg, H. Chenelot, R. Patrick, C.D. Volz and J. Watson. 2006. Do scientists and fisherman collect the same fish?: Implications for risk assessment. *Environmental Research*:101(1): 34-41.
- Hoberg M. K. and H. M. Feder. 2002. The macrobenthos of sites within Prince William Sound, Alaska, prior to the *Exxon Valdez* Oil Spill. *International Rev. Hydrobiology.* 87(1): 25-45.

- Hoberg, M. K., S. G. McGee, and H. M. Feder. 1982. Polychaetes and amphipods as commensals with Pagurids from the Alaska Shelf. *Ophelia* 21(2):167-179.
- Hoberg, M. K., H. M. Feder, and S. C. Jewett. 1979. Some aspects of the biology of the parasitic gastropod *Asterophila japonica* Randall and Heath (Prosobranchia: Melanellidae), from southeastern Chukchi Sea and northeastern Bering Sea, Alaska. *Ophelia* 19(1):73-77.
- Jewett, S.C., T.A. Dean, B.R. Woodin, M.K. Hoberg and J.J. Stegman. 2003. Letter to the Editor of Marine Environmental Research. Reply comment regarding comments on “Exposure to hydrocarbons Ten years after the *Exxon Valdez* oil spill: Evidence from cytochrome P4501A expression and biliary FAC’s in nearshore demersal fishes”. *Mar. Environ. Res.* 55(5): 463-468.
- Jewett, S.C., T.A. Dean, B.R. Woodin, M.K. Hoberg and J.J. Stegman. 2002. Exposure to hydrocarbons ten years after the *Exxon Valdez* oil spill: Evidence from cytochrome P4501A expression and biliary FAC’s in nearshore demersal fishes. *Mar. Environ. Res.* 54(1): 21-48.
- Zimmerman, M.P., M. K. Hoberg, E. Ayansglu, and C. Djerassi. 1990. Cell separation of *Tethya aurantia*, and analytical study of embryonic and differentiated sponge cells. *Lipids* 25(7):383-390.

Reports /Abstracts and Poster Sessions:

- Blanchard, A.L., H.M. Feder, M.K. Hoberg, H. Nichols and C. Parris. 2008. Subtidal Benthic Studies. Chapter 3. Blanchard, A.L., Feder, H.M., and Shaw, D.G. (eds). Environmental Studies in Port Valdez, Alaska: 2007. Final Report to Alyeska Pipeline Service Company. 349 pp.
- Blanchard, A.L., H.M. Feder and M.K. Hoberg. 2007. Subtidal Benthic Studies. Chapter 3. Blanchard, A.L., Feder, H.M., and Shaw, D.G. (eds). Environmental Studies in Port Valdez, Alaska: 2006. Final Report to Alyeska Pipeline Service Company. 227 pp.
- Blanchard, A.L., H.M. Feder and M.K. Hoberg. 2006. Subtidal Benthic Studies. Chapter 3. Blanchard, A.L., Feder, H.M., and Shaw, D.G. (eds). Environmental Studies in Port Valdez, Alaska: 2005. Final Report to Alyeska Pipeline Service Company. 217 pp.
- Dasher, D., S. Jewett, T. Lomax, J. Grendon, M. Hoberg, H. Chenelot, S. Harper, R. Brewer, M. Lindeberg and R. Clark. 2007. Aleutian Islands Alaska monitoring assessment program (AKMAP) benthic transect survey method. Alaska Marine Science Symposium. Anchorage, Alaska. Poster session.
- Dasher, D., S. Jewett, T. Lomax, J. Grendon, M. Hoberg, H. Chenelot, S. Harper, R. Brewer, M. Lindeberg and R. Clark. 2007. Aleutian Islands Alaska monitoring assessment program (AKMAP) benthic transect survey method. Diving for Science. American Academy of Underwater Sciences 26th Annual Diving Symposium. Rosenstiel School of Marine and Atmospheric Science. Miami, Florida. Poster Session.
- Feder, H. M., K. Haflinger, M. Hoberg, and J. McDonald. 1981. The infaunal invertebrates of the southeastern Bering Sea. *Inst. Mar. Sci. Tech. Rept. R78-6*, Univ. Alaska Fairbanks. 414 pp.
- Feder, H. M., A. J. Paul, M. K. Hoberg, and S. C. Jewett. 1981. Distribution, abundance, community structure and trophic relationships of the nearshore benthos of Cook Inlet. Environmental Assessment of the Alaskan Continental Shelf, Final Reports of Principal Investigators 14: (Biological Studies):45-676.
- Feder, H. M., A. J. Paul, M. Hoberg, S. Jewett, G. Matheke, K. McCumby, J. McDonald, R. Rice, and P. Shoemaker. 1980. Distribution, abundance, community structure and trophic relationships of the nearshore benthos of Cook Inlet. *Inst. Mar. Sci., Univ. Alaska Fairbanks. Final Report to NOAA, R.U.No. 5*, 609 pp.
- Feder, H. M. and M. Hoberg. 1980. The distribution, abundance, biomass and diversity of the epifauna of three bays (Port Etches, Zaikof Bay and Rocky Bay) in Prince William Sound, Alaska, with notes on feeding biology. *Rept. R81-2*, Univ. Alaska Fairbanks, 44 pp.

- Feder, H. M., A. J. Paul, M. Hoberg, S. C. Jewett, K. McCumby, R. Rice, and P. Shoemaker. 1979. The distribution, abundance, community structure and trophic relationships of the nearshore benthos of Cook inlet and northeast Gulf of Alaska. Annual Report to NOAA, R.U.No. 281/5/303, 77 pp.
- Feder, H. M., S. C. Jewett, M. K. Hoberg, A. J. Paul, J. Paul, G. Matheke, and J. Rose. 1978. Distribution, abundance, community structure and trophic relationships of the nearshore benthos of the Kodiak Shelf and the Bering Sea. Annual Report to NOAA, R.U.No. 281/5/303, 296 pp.
- Feder, H. M., M. K. Hoberg, S. C. Jewett, and J. Rose. 1978. Survey of the epifaunal invertebrates of the southeastern Bering Sea. Final Report to NOAA, R.U.No. 5, 126 pp.
- Feder, H. M., S. C. Jewett, J. Hilsinger, and M. K. Hoberg. 1977. Trawl survey of the epifaunal invertebrates of Norton Sound, southeastern Chukchi Sea, and Kotzebue Sound. Annual Report to NOAA, R.U.No. 502, 27 pp.
- Feder, H. M., M. Hoberg and S. C. Jewett. 1977. The distribution, abundance and diversity of the epifaunal benthic organisms in two (Alitak and Ugak) bays of Kodiak Island, Alaska. Annual Report to NOAA, R.U.No. P29, 54 pp.
- Feder, H. M., K. Haflinger, J. Hilsinger, M. K. Hoberg S. C. Jewett, G. Matheke, and G. Mueller. 1977. The distribution, abundance, diversity and biology of benthic organisms in the Gulf of Alaska and the Bering Sea. Annual Report to NOAA, R.U.No.281/5/303, 340 pp.
- Foster, N.R. and M.K. Hoberg. 2003. Biodiversity of Prince William Sound: Marine Invertebrates. Marine Science in the Northeast Pacific: Science For Resource Dependent Communities. GEM, EVOS, GLOBEC, NMFS joint symposium, Anchorage, Alaska. Poster session.
- Foster, N. R. and M. K. Hoberg. 2002. Permanent Archiving of Specimens Collected in Nearshore Habitats. Restoration Project 02628. Draft Final Report. Alaska Department of Fish and Game, Habitat and Restoration Division, Anchorage, Alaska. 132 pp.
- Hoberg, M. K. and S. G. McGee. 1980. Polychaetes as commensals with Pagurids from the Alaska Shelf (Abstract). *Am. Zool.* 29(4):778.
- Jewett, S.C., T.A. Dean, B.R. Woodin, M.K. Hoberg and J.J. Stegeman. 2002. Exposure to hydrocarbons ten years after the *Exxon Valdez* oil spill: Evidence from cytochrome P4501A expression and biliary FAC's in nearshore demersal fishes. Final report to Exxon Valdez Oil Spill Trustee Council. Restoration Project 99379. 33 pp.
- Shaw, D. G., D. J. McIntosh, M. K. Hoberg, and A. Blanchard. 1999. Supplemental studies of Hydrocarbons in Sediments of Port Valdez, Alaska, 1998. Submitted to Alyeska Pipeline Service Co. Institute of Marine Science, University of Alaska Fairbanks. 53 pp.

Thesis:

- Hoberg, M. K. 1986. A numerical analysis of the benthic infauna of three bays in Prince William Sound, Alaska. M.A. thesis. Dept. of Biology, Humboldt State University, Arcata, CA. 153 pp.

In Preparation:

- Hoberg M. K. The distribution of the Rhizocephalan *Peltogaster depressus* Rathke parasitizing Pagurids from Norton Sound and the southeast Chukchi Sea, Alaska.
- Jewett, S. C., M. K. Hoberg, A. Blanchard and H.M. Feder. Aspects of the biology of *Telmessus cheiragonus* (Tilesius), the Helmet crab, an Atelecyclid from Eelgrass habitats in western Prince William Sound. Alaska.
- Jewett, S. C., M. K. Hoberg, A. Blanchard and H.M. Feder. Diet of the sea star *Pycnopodia helianthoides* (Brandt) from Eelgrass habitats in western Prince William Sound, Alaska.

Field Experience:

- R/V Norseman. EMAP: Environmental Monitoring and Assessment Program. Invertebrate and algal biodiversity of the Western and Eastern Aleutian Islands, Alaska. IMS/UAF and ADEC collaborative investigation. EPA funded project. 2006-07.
- F/V Ocean Explorer. DOE and CRESO project. Preliminary assessment to determine if radionuclides are present in food species from the Amchitka Island region. 2004.
- F/V Renaissance. IMS and ADF&G project. Preliminary assessment of the Horse Clam (*Tresus capax*) on Kodiak Island, Alaska. 2003.
- F/V Namorada. PCC and BBSRI project. Study to determine factors affecting nearshore survival and production of juvenile Sockeye salmon from Kvichak Bay. 2001.
- F/V Vestige. NURP Project. Study to determine jellyfish impact on food web production and ecosystem structure. 2000.
- F/V *Kuzilvak*. RWJ Consulting. DMT Project, Subtidal study to determine the effects of dredging and dock construction. 1998.
- Port Valdez. SERVS Dock Project. Subtidal study to determine the effects of dredging and dock construction. 1994.
- M/V *Bering Explorer*, M/V *Pacific Star*, M/V *Discovery*, M/V *Auklet*. USDF/ADF&G: Subtidal study to determine the effects of crude oil on invertebrates and fishes in Prince William Sound. 1993 and 1995-99.
- Nome. ENSR Consulting: Monitoring the effects of offshore dredging on the benthos. 1989-90, 1993.
- Eielson AFB. Pilot on site bioremediation project to remove jet fuel from soil. 1992-93.
- M/V *Valdez Star*. Alyeska Pipeline Service Company. Port Valdez. Infauna study to determine the effects of ballast water effluent on the benthos. 1992, 1994-2007.
- R/V *Alpha Helix*. NSF. Benthic study to determine the metabolic rate of sulfur bacteria in anoxic sediments in Skan Bay, Unalaska Island. 1991-92.
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