

SECTION IV

REFERENCES

Abbott and Williamson. 1974. Limu - an ethnobotanical study of some edible Hawaiian seaweeds. *Pacific Tropical Botanical Garden*. Lawai, Kauai, HI.

AECOS, Inc. (AECOS). 1979b. Postconstruction water quality, benthic habitat and epifaunal survey for the reef runway, Honolulu International Airport. Final report, Part B: Benthic biology. *In Honolulu International Airport Reef Runway Postconstruction Environmental Impact Report*; vol. 2, *Technical Report*, ed. G.A. Chapman. Parsons Hawaii; Honolulu, HI. July.

AECOS, Inc. (AECOS). 1983a. *Zooplankton and larval fish near the Honouliuli deep ocean outfall, interim report*. Prepared for Department of Public Works, City & County of Honolulu. Contract No. F-315-76.

AECOS, Inc. (AECOS). 1980. *A reconnaissance survey of the nearshore marine environmental off the proposed Ewa Marina community, Oahu, Hawaii* 289: 3-5.

AECOS, Inc. (AECOS). 1987. *Draft environmental impact statement the operation of submersibles as a public attraction in the waters off Waikiki, Oahu, Hawaii*. AECOS rept. 466E. Prepared for Atlantis Submarines, Inc., Honolulu, HI.

AECOS, Inc. (AECOS). 1979a. *Hawaii coral reef inventory - island of O'ahu (O.C.R.I.). part B - sectional map descriptions*. Prepared for U.S. Army Corps of Engineers, Pacific Ocean Division, Fort Shafter, HI.

AECOS, Inc. (AECOS). 1983b. *Zooplankton and larval fish near the Sand Island deep ocean outfall, final report*. Prepared for Department of Public Works, City & County of Honolulu. Contract No. F-315-76.

Al-Hashimi, A.M. and H.H. Salman. 1985. Trace metals in the sediments on the northwestern coast of the Arabian Gulf. *Marine Pollution Bulletin* 16: 18-120.

Alevizon, W.R. Richardson, P. Pitts and G. Serviss. 1985. Coral zonation and patterns of community structure in Bahamian reef fishes. *Bulletin Marine Science* 36: 304-418.

Allen, M.J., S.L. Moore, K.C. Schiff, S.B. Weisberg, D. Diener, J.K. Stull, A. Groce, J. Mubarak, C.L. Tang, and R. Gartman. 1998. Southern California Bight 1994 Pilot Project: V. Demersal fishes and megabenthic invertebrates. SCCWRP, Westminster, CA.

Allen, M.J., H. Pecorelli, and J. Word. 1976. Marine organisms around outfall pipes in Santa Monica Bay. *J. Water Pollution Control Fed.* 48(8): 1881-1893.

Allen, M.J., S.L. Moore, K.C. Schiff, S.B. Weisberg, D. Diener, J.K. Stull, A. Groce, J. Mubarak, C.L. Tang, and R. Gartman. 1998. Southern California Bight 1994 Pilot Project: V. Demersal fishes and megabenthic invertebrates. SCCWRP, Westminster, CA.

Allen, M.J. 1982. *Functional structure of soft-bottom fish communities of the southern California shelf.* Dissertation. University of California, San Diego, CA.

Aloha Tower Associates and Wilson Okamoto & Associates, Inc. 1990. *The waterfront at Aloha Tower, draft environmental impact statement.* Prepared for State of Hawaii, Aloha Tower Development Corp.

Altar, K. M., et. al. 1992. Levels of Arsenic in Fish from the Arabian Gulf. *Mar. Pollut. Bull. (G. B.),* 24, 94.

Ambrose, R.F. 1990. *Technical Report, H. Mitigation.* Report of the Marine Review Committee to the California Coastal Commission.

Ambrose, R.F. 1994. Mitigating the effects of a coastal power plant on a kelp forest community: rationale and requirements for an artificial reef. *Bulletin of Marine Science* 55: 696-710.

Ambrose, R.F. and T.W. Anderson. 1989. *A review and evaluation of Pendleton artificial reef.* Final Report from the Marine Review Committee to the California Coastal Commission. April.

Ambrose, R.F. and S.L. Swarbrick. 1989. Comparison of fish assemblages on artificial and natural reefs off the coast of southern California. *Bulletin of Marine Science* 44: 718-733.

Ambrose, R.F. 1987. *Comparisons of communities on artificial and natural reefs in southern California, emphasis on fish assemblages.* Report to the Marine Review Committee. December.

Armstrong, R. Warwick (ed). 1983. Atlas of Hawaii. Department of Geography, University of Hawaii-Manoa, University of Hawaii Press.

Anderson, J.W. and R.W. Gossett. 1987. Polynuclear Aromatic Hydrocarbon Contamination in Sediments from Coastal waters of Southern California. Sacramento, CA: California State Water Resource Control Board. 51 pp with Appendices.

Anderson, G.R.V., A.H. Ehrlich, P.R. Ehrlich, J.D. Roughgarden, B.C. Russell, and F.H. Talbot. 1981. The community structure of coral reef fishes. *Am. Nat.* 117: 476-495.

Anderson, J.W., S.M. Bay, and B.E. Thompson. 1986. Characteristics and effects of contaminated sediments from Southern California. Final Report to California State Water Resources Control Board from Southern California Coastal Water Research Project. 120 pp.

Anderson, J., W. Birge, J. Gentile, J. Lake, J. Rodgers, Jr., and R. Swartz. 1987. Biological effects, bioaccumulation, and ecotoxicology of sediment-associated chemicals. In *Fate and Effects of Sediment-bound Chemical in Aquatic Systems. Proceedings Sixth Pellston Workshop, Florissant, Colorado*, eds. K.L. Dickson, A.W. Maki, and W.A. Brungs. SETAC Spec. Publ. Ser., Pergamon Press, NY: 267-296.

Anderson, J.W., S.M. Bay, and B.E. Thompson. 1989. Characteristics and Effects of Contaminated Sediments from Southern California. *Oceans '89 Symp. Vol. 2, Pollution*. 449-451 pp.

Anderson, J., W. Birge, J. Gentile, J. Lake, J. Rodgers, Jr. and R. Swartz. 1987. Biological effects, bioaccumulation, and ecotoxicology of sediment-associated chemicals. Pp. 267-296 In Dickson, K. L., A. W. Maki and W. A. Brungs (eds.) *Fate and Effects of Sediment-Bound Chemicals in Aquatic Systems. Proceedings Sixth Pellston Workshop, Florissant, Colorado*. SETAC Spec. Publ. Ser., Pergamon Press, NY.

Anderson, J.W., S.M. Bay, and B.E. Thompson. 1989. Characteristics and effects of contaminated sediments from Southern California. In *Oceans '89 Symposium, Pollution 2*: 449-451.

Anderson, J.W. and R.W. Gossett. 1987. *Polynuclear aromatic hydrocarbon contamination in sediments from coastal waters of Southern California*. California State Water Resource Control Board. Sacramento, CA.

Anonymous, 1994. Seafloor studies of Mamala Bay, Honolulu, Hawaii: Selected Issues in the USGS Marine and Coastal Geology Program [USGS Fact Sheet].

Anonymous. 1987. *Recommendations for a five-year scientific investigation of the marine resources and environment of the main Hawaiian islands*. Submitted to Department of Land and Natural Resources, State of Hawaii, Honolulu, HI.

Antonius, A. 1965. Coral diseases in the Indo-Pacific: a first record. *Mar. Ecol.* 6: 197-218.

Armstrong, R. Warwick. 1983. *Atlas of Hawaii*. Department of Geography, University of Hawaii, University of Hawaii Press, Honolulu, HI.

Bader, R.G. 1954. The role of organic matter in determining the distribution of pelecypods in marine sediments. *Journal Marine Research* 13: 32-47.

Bailey-Brock, J.H. and R.E. Brock. 1993. Aspects of the feeding, reproduction, and sensory biology of the Hawaiian anchialine shrimp, *Halocaridina rubra* Holthuis (Atyidae). *Pac. Sci.* 47: 338-355.

Bailey-Brock, J.H. 1987. Section 3, Part II. Annelida. *In Reef and shore fauna of Hawaii*. eds. D.M. Devaney, and L.G. Eldredge. Bishop Museum Special Pub. 64 (2 and 3). Honolulu, HI.

Bailey-Brock, J.H., W.J. Cooke, E.A. Kay, W.G. Nelson, and A.R. Russo. 1991. *Benthic faunal sampling adjacent to Sand Island Ocean Outfall, Oahu, Hawaii, August 1990*. Water Resources Research Center, University of Hawaii, Special Rept. 01.28:91.

Bailey-Brock, J.H., Kay, E.A., and Cooke, W.J., 1996. Benthic Community Structure, Investigation of Deep Ocean Dredged material Disposal Sites in Mamala Bay, O'ahu, Hawai'i, Final Report to US EPA, US Army Corps of Engineers, and US Geological Survey, Unpublished University of Hawaii Department of Zoology Report.

Bak, R.P.M. 1978. Lethal and sublethal effects of dredging on coral reefs. *Marine Pollution Bulletin* 2: 14-16.

Balazs, G.H. 1980. Synopsis of biological data on green turtles in the Hawaiian Islands. *NOAA Tech. Memo. Series*. NMPS-SWFC-7.

Ballin, U., R. Kruse, and H.S. Russel. 1994. Determination of Total Arsenic and Speciation of Arseno-betaine in Marine Fish by Means of Reaction-headspace Gas Chromatography Utilizing Flame-ionization Detection and Element Specific Spectrometric Detection. *Fresenius J. Anal. Chem.* 350:54-61.

Banner, A.H. 1974. Kaneohe Bay, Hawaii: urban pollution and a coral reef ecosystem. *Proceedings of the 2nd International Coral Reef Symp.* 2: 685-702.

Banner, A.H. and D.M. Banner. Manuscript: Alpheidae. *In Reef and shore fauna of Hawaii*. eds. D.M. Devaney, and L.G. Eldredge. Section 5, Arthropoda, Bishop Museum Press, Honolulu, HI.

Barghigiani, C. and S. deRamien, 1992. Mercury Content in Different Size Clases of Important Edible Species of the Northern Tyrrhenian Sea. *Mar. Poll. Bull. (G. B.)*, 24,114.

Barghigiani, C. and S. deRamien, 1992. Mercury Content in Different Size Clases of Important Edible Species of the Northern Tyrrhenian Sea. *Mar. Poll. Bull. (G. B.)*, 24,114.

Barker, D.T. and D. Davis. 1986. *Investigation of polychlorinated biphenyls (PCBs) in the Convair lagoon portion of San Diego Bay*. California Regional Water Quality Control Board, San Diego Region, San Diego, CA.

Barrett Consulting Group. 1994a. *Sand Island wastewater treatment plant 301(h) waiver reapplication*. Prepared for City & County of Honolulu, Department of Wastewater Management. August 1994 Contract No. C31844. Vol 1, Application, and Volume II, Appendices.

Barrett Consulting Group. 1994b. *1993 pretreatment program annual status report*. Prepared for City & County of Honolulu, Department of Public Works, Wastewater Division. March.

Bascom, W., A.J. Mearns, and J.Q. Word. 1979. Establishing boundaries between normal, changed, and degraded areas. *In Coastal Water Research Project Annual Report For 1978*. ed. W. Bascom. SCCWRP, El Segundo, CA.

Bascom, W., N. Brooks, R. Eppley, T. Hendricks, G. Knavers, D. Pritchard, M. Sherwood, and J. Ward. 1979. Southern California Bight. *In Assimilation Capacity of U.S. Coastal Waters for Pollutants*, ed. E. D. Goldberg. National Oceanic and Atmospheric Administration, U.S. Department of Commerce, Boulder, CO.

Bascom, Willard. 1982. The effects of waste disposal on the coastal waters of southern California. *Environmental Science and Technology* 16(4): 226A-236A.

Bathens, K.H. 1978. *Circulation atlas for Oahu, Hawaii*. Sea Grant Misc. Report. UNIHI-SEAGRANT-MR-78-05. University of Hawaii Sea Grant College Program, Honolulu, HI.

Baumgartner, D. 1981. Environmental Protection Agency, Office of Research and Development, presented at 301(h) Task Force meeting. March 13.

Bechtel, T.J. and B.J. Copeland. 1970. Fish species diversity indices as indicators of pollution in Galveston Bay, Texas. *Univ. Texas Contrib. Marine Science* 15: 103-132.

Bellan, G.G. 1980. Relationship of pollution to rocky substratum polychaetes on the French Mediterranean coast. *Marine Pollution Bulletin* 11(11): 318-321.

Bellan-Santini, D. 1980. Relationship between populations of amphipods and pollution. *Marine Pollution Bulletin* 11(8): 224-227.

Bellan, G., G. Desrosiers, and A. Willsie. 1988. Use of an annelid pollution index for monitoring a moderately polluted littoral zone. *Marine Pollution Bulletin* 19(12): 662-665.

Belt Collins and Associates. 1992. *Draft environmental assessment for the expansion of the wastewater treatment plant at Fort Kamehameha, Pearl Harbor, Oahu, Hawaii*. Prepared for the Department of the Navy, Public Works Center, Pearl Harbor, HI.

Belt Collins and Associates. 1993. East Mamala Bay Wastewater Facility Plan.

Block, Jean-Claude. 1983. "Viruses in Environmental Waters." *Viral Pollution of the Environment*, Berg, Gerald (ed). CRC Press, Boca Raton, Florida.

Bloom, S.A. 1981. Similarity indices in community studies: potential pitfalls. *Mar. Ecol. Prog. Ser.* 5: 125-128.

Bodammer, J.E. and R.A. Murchelano. 1990. Cytological study of vacuolated cells and other aberrant hepatocytes in winter flounder from Boston Harbor. *Cancer Res.* 50:6744-6756.

Bodammer, J.E. and R.A. Murchelano. 1990. Cytological study of vacuolated cells and other aberrant hepatocytes in winter flounder from Boston Harbor. *Cancer Res.* 50:6744-6756.

Boesch, D.F. 1982. Ecosystem consequences of alterations of benthic community structure and function in the New York Bight region. *In Ecological Stress and the New York Bight: Science and Management*. ed. G.F. Mayer. Estuarine Research Federation, Columbia, SC.

Botton, M.L. 1979. Effects of sewage sludge on the benthic invertebrate community of the inshore New York Bight. *Estuarine & Coastal Marine Sciences* 8: 169-180.

Briggs, J.C. 1974. *Marine zoogeography*. McGraw Hill Book Co., NY.

Brock, R.E. 1993a. *An analysis of the fish community along the Sand Island ocean outfall using remote video, III. 1992 data*. Water Resources Research Center, University of Hawaii, at Manoa, Honolulu, Hawaii. Special Report 01.15:93. 15 pp. (1992 Sand Island Outfall Diffuser Video Observations.)

Brock, R.E. 1995b. *An analysis of the fish community along the Sand Island water ocean outfall using remote video: V 1994 data*. Water Resources Research Center, University of Hawaii, Honolulu. Project Report PR-95-06. 19pp. (1994 Sand Island Outfall Diffuser Video Observations.)

Brock, R.E. 1996a. *Community structure of fish and macrobenthos at selected sites fronting Sand Island Oahu, Hawaii in relation to the Sand Island Ocean outfall, year 6-1995 survey*. Water Resources Center, University of Hawaii at Manoa, Project Report PR-96-05. 38 pp. (1995 Shallow Water Fish and Macrobenthos Survey.)

Brock, R.E. 1993c. *An analysis of the fish community along the Sand Island ocean outfall using remote video, IV. 1993 data*. Water Resources Research Center, University of Hawaii, at Manoa, Honolulu, Hawaii. Project Report PR-94-12. (1993 Sand Island Outfall Diffuser Video Observations.)

Brock, R.E. and J.E. Norris. 1989. An analysis of the efficacy of four artificial reef designs in tropical waters. *Bulletin Marine Science* 44: 934-941.

Brock, V.E. and T.C. Chamberlain. 1968. A geological and ecological reconnaissance off western Oahu, Hawaii, principally by means of the research submarine "Asherah." *Pac. Sci.* 22: 373-394.

Brock, V.E. 1954. A preliminary report on a method of estimating reef fish populations. *J. Wildlife Mgmt.* 18: 297-308.

Brock, J.A. 1993. *A report on the necropsy and liver histopathology findings for fish sampled from the Sand Island deep ocean outfall November-December 1992.* Spec. Rept. 01.13:93. Water Resources Research Center, University of Hawaii, HI.

Brock, J.A. 1999. *Necropsy and liver histopathology for fish sampled from the Sand Island ocean outfall Oahu, Hawaii, October 1998.* Project Report PR-99-12. March. 12pp. Water Resources Research Center, University of Hawaii at Manoa, Honolulu, HI.

Brock, J.A. 2000. *Necropsy and liver histopathology for fish sampled in the vicinity of the Sand Island ocean outfall and in Maunalua Bay, Oahu, Hawaii, September 2000.* Project Report PR-2001-05. December. 19pp. Water Resources Research Center, University of Hawaii at Manoa, Honolulu, HI.

Brock, R.E. 1979. An experimental study on the effects of grazing by parrotfishes and the role of refuges in benthic community structure. *Mar. Biol.* 51: 381-388.

Brock, R.E. 1986. Postconstruction biological survey for the Honolulu International Airport reef runway: eight years later. *In Survey of the water quality, benthic habitat and infaunal populations for Keehi Lagoon, Hickam Harbor and marine pond, Honolulu International Airport.* ed. OI Consultants, Inc., for KFC Airport, Inc, Honolulu, HI. September.

Brock, R.E. 1990. *Biological reconnaissance of the marine resources in the waters fronting West Beach, Oahu, Hawaii, final report.* Prepared for OI Consultants, Inc., Waimanalo, HI. EAC Rept. 90-09.

Brock, R.E. 1992a. *Community structure of fish and macrobenthos at selected sites fronting Sand Island Oahu, Hawaii in relation to the Sand Island Ocean outfall, December 1990 survey.* Water Resources Center, University of Hawaii at Manoa, Special Report 03.24:92. 27 pp. (1990 Shallow Water Fish and Macrobenthos Survey.)

Brock, R.E. 1992b. *Community structure of fish and macrobenthos at selected sites fronting Sand Island Oahu, Hawaii in relation to the Sand Island Ocean outfall, December 1991 survey.* Water Resources Center, University of Hawaii at Manoa, Special Report 04.30:92. 36 pp. (1991 Shallow Water Fish and Macrobenthos Survey.)

Brock, R.E. 1992c. *An analysis of the fish community along the Sand Island ocean outfall using remote video, I. 1990 data.* Water Resources Research Center, University

of Hawaii, at Manoa, Honolulu, Hawaii. Special Report 04.02:92. (1990 Sand Island Outfall Diffuser Video Observations.)

Brock, R.E. 1992d. *An analysis of the fish community along the Sand Island ocean outfall using remote video, II. 1991 data.* Water Resources Research Center, University of Hawaii, at Manoa, Honolulu, Hawaii. Special Report 04.09:92. 14pp. (1991 Sand Island Outfall Diffuser Video Observations.)

Brock, R.E. and S.V. Smith. 1982. Response of coral reef cryptofaunal communities to food and space. *Coral Reefs* 1: 179-183

Brock, R.E. 1993b. *Community structure of fish and macrobenthos at selected sites fronting Sand Island Oahu, Hawaii in relation to the Sand Island Ocean outfall, year 3-1992 survey.* Water Resources Center, University of Hawaii at Manoa, Special Report 01.29:93. 37 pp. (1992 Shallow Water Fish and Macrobenthos Survey.)

Brock, R.E. 1996b. *An analysis of the fish community along the Sand Island water ocean outfall using remote video: VI 1995 data.* Water Resources Research Center, University of Hawaii, Honolulu. Project Report PR-96-06. 20pp. (1995 Sand Island Outfall Diffuser Video Observations.)

Brock, R.E. 1994a. *Community structure of fish and macrobenthos at selected sites fronting Sand Island Oahu, Hawaii in relation to the Sand Island Ocean outfall, year 4-1993 survey.* Water Resources Center, University of Hawaii at Manoa, Project Report PR-94-14. 36 pp. (1993 Shallow Water Fish and Macrobenthos Survey.)

Brock, R.E. 1994b. *Community structure of fish and macrobenthos at selected sites fronting Sand Island Oahu, Hawaii in relation to the Sand Island Ocean outfall, year 4-1993 survey.* Water Resources Center, University of Hawaii at Manoa, Project Report PR-94-14. 36 pp. (1993 Shallow Water Fish and Macrobenthos Survey.)

Brock, R.E. 1994c. *An analysis of fish and macrobenthic communities in relation to the Sand Island treatment facilities for the 301(h) permit application.* Submitted to Water Quality Section, Department of Wastewater Management, August 3, 1994. EAC Rept. No. 94-11.

Brock, R.E. 1994d. Chapter 3: Nearshore marine communities. *In University of Hawaii Sea Grant Program.* A site characterization study for the Hawaiian Islands humpback whale national marine sanctuary. Prepared for National Oceanic and Atmospheric Administration. Sea Grant College Program, School of Ocean and Earth Science and Technology, University of Hawaii, Honolulu, HI: 19-46.

Brock, R.E. 1995a. *Community structure of fish and macrobenthos at selected sites fronting Sand Island Oahu, Hawaii in relation to the Sand Island Ocean outfall, year 5-1994 survey.* Water Resources Center, University of Hawaii at Manoa, Project Report PR-95-08. 37 pp. (1994 Shallow Water Fish and Macrobenthos Survey.)

- Brock, R.E. 1998a. *An analysis of the fish community along the Sand Island ocean outfall using remote video, VIII. 1997 data.* Water Resources Research Center, University of Hawaii, at Manoa, Honolulu, Hawaii. December 1998 PR-98-06. 25pp. (1997 Sand Island Outfall Diffuser Video Observations.)
- Brock, R.E. 1998d. *Community structure of fish and macrobenthos at selected sites fronting Sand Island Oahu, Hawaii in relation to the Sand Island Ocean outfall, year 9-1998 survey.* Water Resources Center, University of Hawaii at Manoa, Project Report PR-99-07. 41 pp. (1998 Shallow Water Fish and Macrobenthos Survey.)
- Brock, R.E. 1997a. *Community structure of fish and macrobenthos at selected sites fronting Sand Island Oahu, Hawaii in relation to the Sand Island Ocean outfall, year 7-1996 survey.* Water Resources Center, University of Hawaii at Manoa, Project Report PR-97-04. 39 pp. (1996 Shallow Water Fish and Macrobenthos Survey.)
- Brock, R.E. 1997b. *An analysis of the fish community along the Sand Island water ocean outfall using remote video: VII 1996 data.* Water Resources Research Center, University of Hawaii, Honolulu. Project Report PR-97-05. 20pp. (1996 Sand Island Outfall Diffuser Video Observations.)
- Brock, R.E. 1998c. *Community structure of fish and macrobenthos at selected sites fronting Sand Island Oahu, Hawaii in relation to the Sand Island Ocean outfall, year 8-1997 survey.* Water Resources Center, University of Hawaii at Manoa, Project Report PR-98-07. 39 pp. (1997 Shallow Water Fish and Macrobenthos Survey.)
- Brock, R.E. 1998b. *An analysis of the fish community along the Sand Island ocean outfall using remote video, IX. 1998 data.* Water Resources Research Center, University of Hawaii, at Manoa, Honolulu, Hawaii. December 1998 PR-99-08. 26pp. (1998 Sand Island Outfall Diffuser Video Observations.)
- Brock, R.E., C. Lewis, and R.C. Wass. 1979. Stability and structure of a fish community on a coral patch reef in Hawaii. *Mar. Biol.* 54: 281-292.
- Brown, D.A., R.W. Gossett, and S.R. McHugh. 1987. Oxygenated metabolites of DDT and PCBs in marine sediments and organisms. In: Ocean Processes in Marine Pollution. Volume 1. Biological Processes and Wastes in the Ocean. J.M. Capuzzo and D.R. Kester, eds. Malabar, FL: Robert E. Krieger Publishing Company. pp. 61-69.
- Brown, D. A., S. M. Bay and R. W. Gossett. 1985. Using the natural detoxification capacities of marine organisms to assess assimilative capacity. Pp. 364-382 In Cardwell, R. D., R. Purdy and R. C. Bahner, eds. *Aquatic Toxicology and Hazard Assessment: Seventh Symposium.* ASTM STP 854. Am. Soc. Testing and Materials, Philadelphia, PA.
- Brown, D.A, R.W. Gossett, G.P. Hershelman, C.F. Ward, and J.N. Cross. 1984. Metal and organic contaminants in sediment and animals. In: Biennial report, 1983-1984. W.

Bascom, ed. Long Beach, CA: Southern California Coastal Water Research Project. pp. 179-193.

Brown, D. A., R. W. Gossett, G. P. Hershelman, C. F. Ward, A. M. Westcott and J. N. Cross. 1986. Municipal wastewater contamination in the Southern California Bight: Part I - Metal and organic contaminants in sediments and organisms. *Mar. Env. Res.* 18: 291-310.

Brown, D.A., R.W. Gossett, and S.R. McHugh. 1987. Oxygenated metabolites of DDT and PCBs in marine sediments and organisms. *In Ocean Processes in Marine Pollution*; vol. 1, *Biological Processes and Wastes in the Ocean*, eds. J.M. Capuzzo and D.R. Kester. Robert E. Krieger Publishing Company, Malabar, FL: 61-169.

Brown, D.A., R.W. Gossett, G.P. Hershelmann, C.F. Ward, and J.N. Cross. 1984. Metal and organic contaminants in sediment and animals. *In Biennial Report, 1983-1984*, ed. W. Bascom. Southern California Coastal Water Research Project, Long Beach, CA: 179-193.

Brown, B.E. and L.S. Howard. 1985. Assessing the effects of "stress" on reef corals. *Adv. Mar. Biol.* 22: 1-63.

Brown, D.A., S.M. Bay, and R.W. Gossett. 1985. Using the natural detoxification capacities of marine organisms to assess assimilative capacity. *In Aquatic Toxicology and Hazard Assessment: Seventh Symposium*, ed. R.D. Cardwell, R. Purdy, and R.C. Bahner. ASTM STP 854. Am. Soc. Testing and Materials, Philadelphia, PA: 364-382.

Brown, D.A., R.W. Gossett, G.P. Hershelmann, C.F. Ward, A.M. Westcott, and J.N. Cross. 1986. Municipal wastewater contamination in the Southern California bight: Part I - metal and organic contaminants in sediments and organisms. *In Mar. Env. Res.* 18: 291-310.

Brown, J.R., R.J. Gowen, and D.S. McLusky. 1987. The effect of salmon farming on the benthos of Scottish sea loch. *J. Exp. Mar. Biol. Ecol.* 109: 39-51.

Brugmann, L. 1981. Heavy metals in the Baltic Sea. *Marine Pollution Bulletin* 12: 24-218.

Bruland, K.W., K. Bertine, M. Koide, and E.D. Goldberg. 1974. History of metal pollution in Southern California coastal zone. *In Environmental Science and Technology* 8(5): 425-432.

Bryan, G. W. 1979. Bioaccumulation of marine pollutants. *Phil. Trans. R. Soc. Lond.* B 286: 483-505.

Bryan, G.W. 1976. Some aspects of heavy metal tolerance in aquatic organisms. *In Effects of Pollutants on Aquatic Organisms*, ed. A.P.M. Lockwood. Cambridge Press, London: 7-34.

Bryan, G.W., P.E. Gibbs, L.G. Hummerstone, and G.R. Burt. 1987. Copper, zinc, and organotin as long-term factors governing the distribution of organisms in the Fal Estuary in Southwest England. *Estuaries* 10: 208-219.

Cabelli, Victor J. 1983. Health Effects Criteria for Marine Recreational Waters, Health Effects Research Laboratory, Office of Research and Development, U.S. Environmental Protection Agency, Research Triangle Park, North Carolina 27711, EPA-600/1-80-031, August.

Cabelli, Victor J. 1983. *Health effects criteria for marine recreational waters*. Health Effects Research Laboratory, Office of Research and Development, U.S. Environmental Protection Agency, Research Triangle Park, NC. EPA-600/1-80-031. August

California Office of Environmental Health Hazard Assessment. 1991. A Study of Chemical Contamination of Marine Fish From Southern California II. Comprehensive Study. Sacramento: California Environmental Protection Agency, Office of Environmental Health Hazard Assessment.

California Department of Health Services, 1988. Balancing the Scales: Weighing the Benefits and Risks of Fish Consumption. Proceeding of a Workshop Held on October 20, 1988 in Concord, California. Sponsored by California Department of Health Services, Office of Environmental Health Hazard Assessment, Hazard Evaluation Section.

California State Water Resources Control Board. 1978. *Trace elements in seafood organism around Southern California municipal wastewater outfalls*. Publication 60.

California Office of Environmental Health Hazard Assessment. 1991. *A study of chemical contamination of marine fish from Southern California. II. Comprehensive study*. California Environmental Protection Agency, Office of Environmental Health Hazard Assessment. Sacramento, CA.

California Environmental Protection Agency. 1991. *A study of chemical contamination of marine fish from Southern California II*. Comprehensive study. Sacramento CEPA Office of Environmental Health Hazard Assessment.

California (State of), Department of Health Services. 1988. *Balancing the scales: weighing the benefits and risks of fish consumption*. Proceedings of a workshop in Concord, CA. Sponsored by California Department of Health Services, Office of Environmental Health Hazard Assessment, Hazard Evaluation Section. October 20.

Carpene, E., and S.G. George. 1981. Absorption of cadmium by gills of *Mytilus edulis* (L.). *Mol. Physiol.* 1: 23-34.

Caspers, H. 1987. Changes in the benthos at a sewage-sludge dumpsite in the Elbe estuary. In *Oceanic Processes in marine pollution*, vol. 1. Biological Processes and Waste in the Ocean. Chapter 18, Robert E. Krieger Publishing Co., Malabar, FL.

Chapman, P.M. 1989. Review of current approaches to developing sediment quality criteria. *Environ. Toxicol. and chemistry*, vol. 8: 589-599.

Chapman, G.A. 1979. *Honolulu international Airport reef runway postconstruction environmental impact report*. vol. 2, technical report. Prepared by Parsons Hawaii for Department of Transportation, Air Transportation Facilities Division, State of Hawaii.

Chave, K.E., and Miller, J.N., 1977a. Baseline studies and evaluation of the physical, chemical, and biological characteristics of nearshore dredge spoil disposal, Pearl Harbor, Hawaii. Part A: Baseline studies, investigation and selection of a suitable dredge spoil site. Final Report: Prepared for Pacific Division Naval Facilities Engineering Command, Honolulu, Hawaii: Environmental Center, University of Hawaii, 184 p.

Chave, K.E., and Miller, J.N., 1978. Baseline studies and evaluation of the physical, chemical, and biological characteristics of nearshore dredge spoil disposal, Pearl Harbor, Hawaii: Final Report: Prepared for Pacific Division Naval Facilities Engineering Command, Honolulu, Hawaii: Environmental Center, University of Hawaii, 8 p.

Chave, K.E., and Miller, J.N., 1977b. Baseline studies and evaluation of the physical, chemical, and biological characteristics of nearshore dredge spoil disposal, Pearl Harbor, Hawaii. Part B: Immediate effects of dumping: monitoring studies: Prepared for Pacific Division Naval Facilities Engineering Command, Honolulu, Hawaii: Environmental Center, University of Hawaii, 134 p.

Chave, K.E., and Miller, J.N., 1978a. Baseline studies and evaluation of the physical, chemical, and biological characteristics of nearshore dredge spoil disposal, Pearl Harbor, Hawaii, Part C: Long-term effects of dumping: Prepared for Pacific Division Naval Facilities Engineering Command, Honolulu, Hawaii: Environmental Center, University of Hawaii, 109 pp.

Cheney, D., R. Oestman, G. Volkhardt, and J. Getz. 1994. Creation of rocky intertidal and shallow subtidal reefs to mitigate for the construction of a large marine in Puget Sound, Washington, U.S.A. *Bulletin of Marine Science* (in press).

Chin, D.A. and P.J.W. Roberts. 1985. Model of dispersion in coastal waters. *Journal of Hydraulic Engineering*, ASCE, 111(1): 12-28.

City and County of Honolulu. 2000. 1999 Annual assessment report for Sand Island wastewater plant. Prepared by Department of Environmental Services, March.

City and County of Honolulu. 2002. 2001 Annual assessment report for Sand Island wastewater plant. Prepared by Department of Environmental Services, March.

City and County of Honolulu. 2001. 2000 Annual assessment report for Sand Island wastewater plant. Operation and Maintenance and Marine Monitoring. Prepared by Department of Environmental Services, March.

City & County of Honolulu), Department of Wastewater Management. 1995. Annual assessment report for Sand Island wastewater treatment facility, operation and maintenance. *Marine Monitoring*. June 30.

City and County of Honolulu. 1999. 1998 Annual assessment report for Sand Island wastewater plant. Prepared by Department of Environmental Services, March.

Clark, A.M. and F.W.E. Rowe. 1971. *Monograph of shallow-water Indo-West Pacific echinoderms*. British Museum (Natural History), London.

Clark, J.R.K. 1977. *The beaches of Oahu*. The University Press of Hawaii, Honolulu, HI. p72.

Code of Federal Regulations (CFR), Part 40, Environmental Protection Agency, Antidegradation Policy, 40 CFR 131.12.

Coleman, N., W. Cuff, M. Drummond, and J. Kudenov. 1978. A quantitative survey of the macrobenthos of Western Port, Victoria, Australia. *Journal Marine Freshwater Research*. 29: 445-466.

Coles, S.L. 1984. Colonization of Hawaiian reef corals on new and denuded substrata in the vicinity of a Hawaiian power station. *Coral Reefs* 3: 123-130.

Connell, J. 1978. Diversity in tropical rain forests and coral reefs. *Science* 199: 1302-1310.

Conversi, Alessandra and J.A. McGowan. 1994. Natural versus human-caused variability of water quality in the Southern California bight. *Limnol. Oceanogr.* 39(3): 633-648.

Conversi, A., J.A. McGowan, and M.M. Mullin. 1990. *Scales of variability of sewage-influenced water column properties in the Southern California bight. Year 1 (1989-1990)*. Report to Sea Grant, Project R/CZ-92. November.

Conversi, A. and J.A. McGowan. 1992. Variability of water column transparency, volume flow and suspended solids near San Diego water outfall (California): 15 years of data. *Chemistry and Ecology*, vol. 6. Gordon and Breach Science Publishers.

County Sanitation Districts of Orange County, California. 1988. Annual report. *Marine monitoring*, vol. 3: 1-46.

County Sanitation Districts of Orange County. 1991. Annual report, 5-year perspective, 1985-1990. *Marine Monitoring*, vol. 3 and appendixes. Fountain Valley, CA.

County Sanitation Districts of Orange County. 1994. Annual report, 1993. *Marine monitoring*, vol. 3 and appendixes. Fountain Valley, CA.

Cox, D.C. and L.C. Gordon, Jr. 1970. *Estuarine pollution in the state of Hawaii*; vol. 1, *Statewide Study*. Tech. Rept. 31. Water Resources Research Center, University of Hawaii, Honolulu, HI.

Crecelius, E.A., M.H. Bothner, and R. Carpenter. 1975. Geochemistries of Arsenic, Antimony, Mercury, and Related Elements in Sediments of Puget Sound. *Environ. Sci. Tech.* 9(4):325-333.

Crosby, M. P., S. F. Drake, C. M. Eakin, N. B. Fanning, A. Paterson, P. R. Taylor and J. Wilson. The United States Coral Reef Initiative: an overview of the first steps. *Coral reefs* 14:1-3.

Crosby, M. P., S. F. Drake, C. M. Eakin, N. B. Fanning, A. Paterson, P. R. Taylor and J. Wilson. The United States Coral Reef Initiative: an overview of the first steps. *Coral reefs* 14:1-3.

Davis, G. E. 1977. Anchor damage to a coral reef on the coast of Florida. *Biol. Conserv.* 11: 29-34.

Cross, J. N. 1985. Fin erosion among fishes collected near a southern California municipal wastewater outfall (1971-82). *U.S. National Marine Fisheries Service Fish Bulletin*, 83(2): 195-206.

Cross, J.N. 1985. Fin erosion among fishes collected near a southern California municipal wastewater outfall (1971-82). *Fish. Bull.* 83(2):195-206.

Cross, J.N. and J.E. Hose. 1988. Evidence of impaired reproduction in white croaker (*Genyonemus lineatus*) from contaminated areas off southern California. *Mar Environ. Res.* 24: 185-188.

Cross, J.N. 1982. Trends in fin erosion among fishes on the Palos Verdes Shelf. Pages 99-110, In: W. Bascom (ed.) Southern California Coastal Water Research Project Biennial Report 1981-1982. SCCWRP, Westminster, CA.

Cross, J.N. and L.G. Allen. 1993. Fishes. In *Ecology of the Southern California Bight: A Synthesis and Interpretation*. eds. M.D. Dailey, D.J. Reisch, and J.W. Anderson. University of California Press, Berkeley. pp. 459-540.

Cross, J.N. 1982. Trends in fin erosion among fishes on the Palos Verdes Shelf. Pages 99-110, In: W. Bascom (ed.) Southern California Coastal Water Research Project Biennial Report 1981-1982. SCCWRP, Westminster, CA.

Cabbage, J. 1992. Contaminants in Fish and Clams in Sinclair and Dyes Inlets. Washington State Dept. Ecology, Olympia, WA. Publication No. 92-009.

D'Itri, F. M. 1985. *Artificial reefs - marine and freshwater applications*. Lewis Publishers.

Dadey, K. A., Torresan, M.E., and Ota, A., 1996. An integrated, coordinated study of the effects of dredged material on the marine environment - Mamala Bay example: Water Quality '96; Proceedings of the 11th Seminar; Miscellaneous Paper W-96-1, July 1996, pp 457-465.

Dailey, M.D., D.J. Reish, and J.W. Anderson. 1993. *Ecology of the Southern California bight: a synthesis and interpretation*. University of California Press, Berkeley, CA.

Davies, J.M., J.M. Addy, R.A. Blackman, J.R. Blanchard, J.E. Ferbrache, D.C. Moore, H.J. Sommerville, A. Whitehead, and T. Wilkinson. 1984. Environmental effects of the use of oil-based drilling muds in the North Sea. *Marine Pollution Bulletin* 15(10): 363-370.

Davis, G. E. 1977. Anchor damage to a coral reef on the coast of Florida. *Biol. Conserv.* 11: 29-34.

Davis, N., G.R. VanBlaricom, and P.K. Dayton. 1982. Man-made structure on marine sediments: effects on adjacent benthic communities. *Mar. Biol. (Berl)*. 70(3): 295-303.

Dean, D.E., D. Maurer, J.A. Vargas, C.H. Tinsman. 1986. Trace metal concentrations in sediment and invertebrates from the Gulf of Costa Rica. *Marine Pollution Bulletin* 17: 128-131.

Dean, D. & H.H. Haskin. 1964. Benthic repopulation of the Raritan River Estuary following pollution. *Limnol. Oceanogr.* 9: 551-563.

deLappe, B.W. et al. 1988. *Data report on polynuclear aromatic hydrocarbons and synthetic organic compounds in San Diego Bay sediments*. Trace Organics Facility, California Department of Fish and Game.

DeMartini, E.E., D.A. Roberts, and T.W. Anderson. 1989. Contrasting patterns of fish density and abundance at an artificial rock reef and a cobble-bottom kelp forest. *Bulletin Mar. Science*. 44: 881-892.

DeMartini, E.E., A.M. Barnett, T.D. Johnson, R.F. Ambrose. 1994. Growth and production estimates for biomass-dominant fishes on a southern California artificial reef. *Bulletin of Marine Science* 55: 484-500.

Dewlap, B.W., et al. 1988. *Data report on polynuclear aromatic hydrocarbons and synthetic organic compounds in San Diego Bay sediments*. Trace Organics Facility, California Department of Fish and Game.

Diaz, R.J. and L.C. Schuffner. 1990. The functional role of estuarine benthos. *In Perspectives on the Chesapeake Bay, 1990*. eds. M. Haire and E.C. Krome. Advances in Estuarine Sciences. Chesapeake Research Consortium, Gloucester Pt., VA Rept. CBP/TRS41/90.

Dodge, R.E. and J.R. Vaisyns. 1977. Coral populations and growth patterns: responses to sedimentation and turbidity associated with dredging. *Journal Marine Research* 35: 715-730.

Dodge, R.E., R.C. Aller, and J. Thompson. 1974. Coral growth related to resuspension of bottom sediments. *Nature*, 247: 574-577.

Dollar, S. J. and G. W. Tribble. 1993. Recurrent storm disturbance and recovery: a long-term study of coral communities in Hawaii. *Coral Reefs* 12: 223-233.

Dollar, S. J. 1982. Wave stress and coral community structure in Hawaii. *Coral Reefs* 1:71-81.

Dollar, S. J. and G. W. Tribble. 1993. Recurrent storm disturbance and recovery: a long-term study of coral communities in Hawaii. *Coral Reefs* 12: 223-233.

Dollar, S. J. 1982. Wave stress and coral community structure in Hawaii. *Coral Reefs* 1:71-81.

Dollar, Steven J. 1986. Response of benthic ecosystems to deep ocean sewage outfalls in Hawaii: nutrient fluxes at the sediment water interface. *Ph.D. dissertation (Oceanography)*, University of Hawaii, Honolulu, HI.

Dollar, S.J. and R.W. Grigg. 1981. Impact of a kaolin clay spill on a coral reef in Hawaii. *Mar. Biol.* 65: 269-276.

Dollar, Steven J. 1979. *Ecological response to relaxation of sewage stress off Sand Island, Oahu, Hawaii*. Technical Report No. 124. Grant Agreement No. 14-34-0001-9013. Funded by the Department of Public Works of the City & County of Honolulu and the Water Resources Research Center, University of Hawaii, Honolulu, HI.

Donahue, J.M. and C.O. Abernathy. 1999. Exposure to Inorganic Arsenic (As) from Fish and Shellfish. EPA Office of Science and Technology, Washington, DC.

Drake, D.E. and D.S. Gorsline. 1973. Distribution and transport of suspended matter in Hueneme, Redondo, Newport, and La Jolla submarine canyons. *California Geol. Soc. Bulletin* 84: 3949-3968.

Dufour, A. 1984. Bacterial indicators of recreational water quality. *Canadian Journal of Public Health*, Vol. 75, Jan./Feb.

Dufry, J.M. 1985. Artificial reefs as mitigation: a small scale case history. *Bulletin of Marine Science* 37: 397.

Dulong, R.L., W.G. Gilmartin, and J.G. Simpson. 1973. Premature births in California Sea Lions associated with high organochlorine pollutant residue levels. *Science*. 181 (4105): 1168-1170.

Eckert, G.J. 1985. Settlement of coral reef fishes to different natural substrata and at different depths. *Proc, 5th Int. Coral Reef Congr.* 5: 385-390.

Edmondson, C.H. 1928. Ecology of a Hawaiian coral reef. *B.P. Bishop Museum Bulletin* 45: 1-64.

Eganhouse, R.P. and I.R. Kaplan. 1982. Extractable organic matter in municipal wastewaters. 1. Petroleum hydrocarbons: temporal variations and mass emission rates to the ocean. *Environ. Sci. Technol.* 16: 180-186.

Eganhouse, R.P. and I.R. Kaplan, I.R. 1981. Extractable organic matter in urban stormwater runoff. 1. Transport dynamics and mass emission rates. *Environ Sci. Technol.* 15: 310-315.

Ekdale, A.A. 1978. Recent marine molluscs from northeastern Quintana Roo, Mexico. *In Geology and Hydrology of Northeastern Yucatan.* eds. W.C. Ward and A.E. Weidie, New Orleans Geological Society Guidebook.

Eldredge, L. G. and C. M. Smith, editors. 2001. A Guidebook of Introduced Marine Species in Hawai'i. Bishop Museum Technical Report 21. 104 p.

Ely, C.A. 1942. Shallow-water Asteroidea and Ophiuroidea of Hawaii. *Bishop Museum Bulletin* 176: 1-63.

Endean, R. 1976. Destruction and recovery of coral reef communities. *In Biology and Geology of Coral Reefs.* eds. O.A. Jones, and R. Endean. New York, Academic Press.

Engineering Science; Sun, Low, Tom, and Hara, Inc.; and Dillingham Environmental Company. 1971. *Water quality program for Oahu with special emphasis on waste proposal.* Prepared for City & County of Honolulu, June.

Engineering Science, Inc., Sunn Low Tom and Hara, Inc., and Dillingham Corporation , 1972. Final Report, Water Quality Program for Oahu with Special Emphasis on Waste Disposal, Prepared for: Department of Public Works, City and County of Honolulu, February.

Engineering Science; Sun, Low, Tom, and Hara, Inc.; and Dillingham Environmental Company. 1972. *Final report, water quality program for Oahu with special emphasis on waste disposal*. Prepared for: Department of Public Works, City & County of Honolulu, February. (WQPO, 1971 D-1 Water Quality Program for Oahu)

Eppley, R.W., W.G. Harrison, S.W. Chisholm, and E. Stewart. 1977. Particulate organic matter in surface waters off southern California and its relationship to phytoplankton. *J. Mar. Res.* 55:671-696.

Eppley, R.W., E.H. Renger, W.G. Harrison, and J.J. Cullen. 1979. Ammonium distribution in southern California coastal waters and its role in the growth of phytoplankton. *Limnol. Oceanogr.* 24(3):495-509.

Eppley, R.W., E.H. Renger, W.G. Harrison, and J.J. Cullen. 1979. Ammonium distribution in Southern California coastal waters and its role in the growth of phytoplankton. *Limnol. Oceanogr.* 24(3): 495-509.

Eppley, R.W., W.G. Harrison, S.W. Chisholm, and E. Stewart. 1977. Particulate organic matter in surface water off Southern California and its relationship to phytoplankton.
Journal Marine Research 55: 671-696.

Evans, E.C. et al. 1972. *A proximate biological survey of Pearl Harbor, Oahu*. NUC-TP-290. Naval Undersea Research and Development Center, San Diego, CA.

Evans, E.C. 1974. *Pearl Harbor biological survey - final report*. Naval Undersea Center, Hawaii Laboratory, Report NUC-TN-1128.

Fast, D.E. and F.A. Pagan. 1974. Comparative observations of artificial tire reef and natural patch reefs off southwestern Puerto Rico. *In Proceedings: Artificial Reef Conference*. eds. L. Colunga and R. Stone. Texas A&M University, TAMU-SG-74-103.

Fauchald, K. and P.A. Jumars. 1979. The diet of worms: a study of polychaete feeding guilds. *Oceanogr. Mar. Biol. Ann. Rev.* 17: 193-284.

Feder, H.M. and T.H. Parson. 1988. The benthic ecology of Loch Linnhe & Lock Eil, a sea lock system on the west coast of Scotland 5: Biology of the dominant soft-bottom epifauna and their interaction with the infauna. *J. Exp. Mar. Biol. Ecol.* 116(2): 99-134.

Federal Register, vol. 50, no. 219, p. 46981. November 13, 1985.

Federal Register, Volume 48, No. 217 (51407), Tuesday, November 8, 1983/Rules and Regulations, Antidegradation Policy.

Fenchel, T.M. and R.J. Riedl. 1970. The sulphide system: a new biotic community underneath the oxidized layer of marine sand bottoms. *Mar. Biol.* 7: 255-268.

Field, M.E., 1991. Characterization of the seafloor over the South Oahu dredge spoil disposal site. U.S. Geological Survey Administrative Report prepared for the U.S. Army Corps of Engineers, 8 p.

Firth, H.F. 1997. Synopsis of the Biological Data on the Green Turtle *Chelonia Mydas* (Linnaeus 1758). Biological Report 97(1), Fish and Wildlife Service, Department of the Interior, Washington, DC.

Folk, R.L. 1968. *Petrology of sedimentary rocks*. Austin, TX.

Frazier, J.M. 1979. Bioaccumulation of cadmium marine organisms. *Environmental Health Perspectives*. 28: 75-79.

Frick, Walter E. 1993. Written Evidentiary Hearing Evidence Testimony of Walter E. Frick, United States Environmental Protection Agency, Region 9, Docket No. NPDES-09-92-001 for Honouliuli Wastewater Treatment Plant permit issuance. June 18.

Frick. 1990. (as referenced in Attachment A of the Permit)

Friedlander, A.M. and J.D. Parrish. 1997. Fisheries harvest and standing stock in a Hawaiian bay. *Fisheries Research* 32:33-50.

Frontier, S. 1985. Diversity and structure in aquatic ecosystems. *Oceanogr. Mar. Biol. Ann, Rev.* 23, 253-312.

Fujioka, Roger S., Philip C. Loh, and L. Stephen Lau, 1980. Survival of human enteroviruses in the Hawaiian ocean environment: evidence for virus-inactivating microorganisms. *Applied and Environmental Microbiology*. June.

Gahler, A.R. et al. 1982. Chemical Contaminants in Edible, Non-salmonid Fish and Crabs from Commencement Bay, Washington. EPA Region 10, Seattle, WA.

Gallow, J.N. 1979. Alternation of trace geochemical cycles due to marine discharge of wastewater. *Geochem. Cosmochim. Acta*, 43: 207-218.

Giere, O. and O. Pfannkuche. 1982. Biology and ecology of marine oligochaeta, a review. *Oceanogr. Mar. Biol. Ann. Rev.* 20: 173-308.

Gilbert, C.H. 1905. The aquatic resources of the Hawaiian Islands. Section II. The deep-sea fishes. *Bulletin U.S. Fish Comm.*, 1903, 23: 577-713+plts. 66-101, figs. 230-276.

Gilet, R. 1960. Water pollution in Marseilles and its relation with flora and fauna. *In Waste Disposal in the Marine Environment*. ed. E.A. Pearson, Proc. 1st Intern. Conf., Pergamon Press, NY.

Gladfelter, W.B. and E.H. Gladfelter. 1978. Fish community structure as a function of habitat structure on West Indian patch reefs. *Rev. Biol. Trop.* 26 (Supplement 1) :65-84.

Glazier, E.W., 1999. Non-Commercial Fisheries in the Central and Western Pacific: A Summary Review of the Literature. SOEST 99-07 / JIMAR Contribution 99-326, University of Hawaii, Honolulu.

Glynn, P. W. 1993. Coral bleaching: ecological perspectives. *Coral Reefs* 12: 1-17.

Glynn, P. W. 1991. Coral bleaching in the 1980's and possible connections with global warming. *Trends in Ecology and Evolution.* 6(6): 175-179.

Glynn, P. W. 1993. Coral bleaching: ecological perspectives. *Coral Reefs* 12: 1-17.

Glynn, P.W. 1985. Corallivore population sizes and feeding effects following El Nino (1982-83) associated coral mortality in Panama. *In Proceedings of the 5th International Coral Reef Symposium 4:* 183-187.

Goeggel, G.B., 1978. Phase III environmental surveys of deep ocean dredged spoil disposal sites in Hawaii: Prepared for U.S. Army Corps of Engineers, Honolulu, Hawaii: Hawaii Planning Design and Research, Honolulu Commission, 141 p.

Goldman, B, and F.H. Talbot. 1975. Aspects of the ecology of coral reef fishes. *In Biology and Geology of Coral Reefs*, vol. III O.A., eds. Jones and Endean, Biology 2. Academic Press, NY.

Goodson, G. 1973. *Fishes of Hawaii.* Marquest Colorguide Books, Palos Verdes Estates, CA.

Gosline, W.A. 1955. The inshore fish fauna of Johnston Island, a Central Pacific atoll. *Pac. Sci.* 9: 442-480.

Gosline, W.A. and V.E. Brock. 1960. *Handbook of Hawaiian fishes.* University of Hawaii Press, Honolulu. HI.

Gosline, W.A. and V.E. Brock. 1965. Vertical zonation of inshore fishes in the upper water layers of the Hawaiian Islands. *Ecology* 46: 823-831.

Gosline, W.A., V.E. Brock, H.L. Moore and Y. Yamaguchi. 1954. Fishes killed by the 1950 eruption of Mauna Loa. I. The origin and nature of the collections. *Pac. Sci.* 8:23-27.

Gossett, R.W., D.A. Brown, and D.R. Young. 1982. Predicting the bioaccumulation and toxicity of organic compounds. *In SCCWRP Biennial Report 1981-1982.* ed. W. Bascom. 149-156. El Segundo, CA.

- Gray, J.S. 1981. *The ecology of marine sediments*. Cambridge University Press, Cambridge, U.K.
- Gray, J.S., K.R. Clarke, K.R., R.M. Warwick, and G. Hobbs. 1990. Detection of initial effects of pollution on marine benthos: an example from the Ekofisk and Eldfisk oilfields, North Sea. *Mar. Ecol. Prog. Ser.* 66: 285-299.
- Gray, J.S. 1974. Animal-sediment relationships. *Oceanogr. Mar. Biol. Ann. Rev.* 12: 223-262.
- Gray, J.S. 1989. Effects of environmental stress on species rich assemblages. *Biol. J. of the Linn. Soc.* 37: 19-32.
- Gray, J.S. 1976. The fauna of the polluted river tees estuary. *Estuarine and Coastal Marine Sciences*, 4: 653-676.
- Gray, Otway, Laurenson, Miskiewica, and Pethebridge. 1992. Distribution and abundance of fish larvae in relation to effluent plumes from sewage outfalls and depth of water. *Mar. Biol.* 113: 549-559.
- Gregory, A.E., and Kroenke, L.W., 1982. Reef development of a mid-oceanic island: Reflection profiling studies of the 500-meter shelf south of Oahu. *The American Association of Petroleum Geologists Bulletin*, v. 66, p. 843-859.
- Grigg, R. W. and J. E. Maragos. 1974. Recolonization of hermatypic corals on submerged lava flows in Hawaii. *Ecology* 55: 387-395.
- Grigg, R. W. and J. E. Maragos. 1974. Recolonization of hermatypic corals on submerged lava flows in Hawaii. *Ecology* 55: 387-395.
- Grigg, E. W. 1972. Some ecological effects of discharged sugar mill wastes on marine life along the Hamakua Coast, Hawaii. Unpublished Technical Report. 45 pp.
- Grigg, R.W. 1995. Coral reefs in an urban environment in Hawaii: a complex case history controlled by natural and anthropogenic stress. *Coral Reefs*, 14:253-266.
- Grigg, R. W. 1982. Darwin Point, a threshold for atoll formation. *Coral Reefs* 1: 29-34.
- Grigg, R.W. 1994. Effects of sewage discharge, fishing pressure and habitat complexity on coral ecosystems and reef fishes in Hawaii. *Mar.Ecol. Prog. Ser.* 103:25-34.
- Grigg, E. W. 1972. Some ecological effects of discharged sugar mill wastes on marine life along the Hamakua Coast, Hawaii. Unpublished Technical Report. 45 pp.
- Grigg, R. W. 1983. Community structure, succession and development of corals reefs in Hawaii. *Marine Ecology Progress Series* 11: 1-14.

Grigg, R.W. 1995. Coral reefs in an urban environment in Hawaii: a complex case history controlled by natural and anthropogenic stress. *Coral Reefs*, 14:253-266.

Grigg, R. W. 1983. Community structure, succession and development of corals reefs in Hawaii. *Marine Ecology Progress Series* 11: 1-14.

Grigg, R.W. 1994. Effects of sewage discharge, fishing pressure and habitat complexity on coral ecosystems and reef fishes in Hawaii. *Mar. Ecol. Prog. Ser.* 103:25-34.

Grigg, R. W. 1994. Effects of Sewage, Discharge, Fishing Pressure and Habitat Complexity on Coral Ecosystems and Reef Fishes in Hawaii. *Mar. Ecol. Progr. Ser (Ger)*. 103,25.

Grigg, R. W. 1982. Darwin Point, a threshold for atoll formation. *Coral Reefs* 1: 29-34.

Grigg, R, and J. Maragos. 1974. Recolonization of hermatypic corals on submerged lava flows in Hawaii. *Ecology* 55: 387-395.

Grigg, R.W. 1995. Coral reefs in an urban environment in Hawaii: a complex case history controlled by natural and anthropogenic stress. *Coral Reefs*, 14:253-266.

Grigg, R.W. and S.J. Dollar. 1990. Natural and anthropogenic disturbance on coral reefs. *In Coral Reefs*. ed. Z. Dubinsky, Elsevier Science Publications, B.V., Amsterdam.

Grigg, R. W. 1983. Community structure, succession and development of corals reefs in Hawaii. *Marine Ecology Progress Series* 11: 1-14.

Grigg, R.W. 1982. Darwin Point: a threshold for atoll formation. *Coral Reefs*, 1: 29-34.

Grigg, R.W. 1994. Effects of sewage discharge, fishing pressure and habitat complexity on coral ecosystems and reef fishes in Hawaii. *Mar. Ecol. Prog. Ser.* 103: 25-34.

Grimes, D. Jay, 1986. Assessment of Ocean Waste Disposal. Task 5. Human Health Impacts of Waste Constituents. II. Pathogens and Antibiotic and Heavy-Metal-Resistant Bacterial. Final Report Submitted to: Congress of the United States, Office of Technology Assessment. Ocean Waste Disposal Project. May.

Grimes, D. Jay. 1986a. *Assessment of ocean waste disposal. Task 5. Human health impacts of waste constituents. II. Pathogens and antibiotic and heavy-metal-resistant bacterial.* Final Report Submitted to: Congress of the United States, Office of Technology Assessment. Ocean Waste Disposal Project. May.

Grimes, D.J. 1986b. *Final report - assessment of ocean waste disposal, task 5. Human health impacts of waste constituents ii. pathogens and antibiotic - heavy metal*

resistant bacteria. U.S. Congress, Office of Technology Assessment, Ocean Waste Disposal Project, Contract 533-2585.0. May.

Grimes, D.J. et. al. 1986b. The fate of enteric pathogenic bacteria in estuarine and marine environments. *Microbial Sciences*, vol. 3, no. 11, p 324-328.

Grizzle, R.E. 1984. Pollution indicator species of macrobenthos. *Mar. Ecol. Prog. Ser.* 18: 191-200.

Grizzle, R.E. and C.A. Penniman. 1991. Effects of organic enrichment on estuarine macrofaunal benthos: a comparison of sediment profile imaging (SPI) and traditional methods. *Mar. Ecol. Prog. Ser.* 74: 249-262.

Grizzle, R.E. 1979. A preliminary investigation of the effects of enrichment on the macrobenthos in an East-central Florida lagoon. *Fl. Sci.* 42(1): 33-42.

Groombridge, B.C. 1982. The IUCN Amphibia-Reptilia red data book. Part 1. Testudines, Crocodylia, and Rhynchocephalia. IUCN, Gland, Switzerland.

Grove, R.S. 1982. Artificial reefs as a resource management option for siting coastal power stations in Southern California. *Marine Fisheries Review* 44: 24-27.

Hall, L. and I. Chang-Yen. 1986. Metals in sediments off Trinidad, West Indies. *Marine Pollution Bulletin* 17: 274-276.

Hall, R.A. et al. 1978. *National marine fisheries service survey of trace elements in the fishery resources*. NOAA Technical Report NMFS SSRF-721.

Hamilton, M.S. 1998. A system for classifying small boat fishermen in Hawaii. *Marine Resources Economics* 13:289-291.

Hamm, D.C. and H.K. Lum 1992. Preliminary Results of the Hawaii Small-Boat Fisheries Survey. Administrative Report H-92-08, National Marine Fisheries Service, Southwest Fisheries Science Center Honolulu Laboratory, Honolulu.

Hampton, M.A., Torresan, M.E., and Barber, Jr., J.H., 1997. Sea-floor geology of a part of Mamala Bay, Hawaii: *Pacific Science*, v. 51, n. 1, p. 54-75.

Hansen, P.D., H. von Westernhagen, and H. Rosenthal. 1985. Chlorinated hydrocarbons and hatching success in Baltic herring spawners. *Mar. Environ. Res.* 15: 59-76.

Harbley, J.P. 1984. The benthic ecology of the Forties oilfield (North Sea). *J. Exp. Mar. Biol. Ecol.* 80(2): 161-195.

Hawaii (State of), Department of Land Natural Resources (DLNR). 1979. *Hawaii fisheries development plan*. DLNR, State of Hawaii.

Hawaii (State of), Department of Health. 1991. *Blue water monitoring annual report from Hawaii Department of Health*.

Hawaii (State of), Department of Land Natural Resources (DLNR). 1990b. Water Quality Control Plan for Island of Oahu.

Hawaii (State of), Department of Land Natural Resources (DLNR). 1990a. *Hawaii stream assessment*. Prepared in Cooperation with the National Park Service.

Hawaii (State of), Department of Health. 1992a. *Blue water monitoring annual report covering the period June 1989 through December 1991*.

Hawaii (State of), Department of Health. 1992b. Hawaii Administrative Rules, Title II, Department of Health, Chapter 54, Water Quality Standards. October 29.

Hearings Officers Report, Docket No. E0-W-192, Department of Health, State of Hawaii, April 1981.

Hellebust, S.A. 1974. Extracellular Substances. Chapter 30. *In Algal Physiology and Biochemistry*. Botanical Monographs vol. 10. ed. W.D.P. Stewart, Univ. of California Press, Berkeley, CA.

Hershelman, G.P., P. Szalay, and C. Ward. 1982. Metals in surface sediments for Point Dume to Point Huemene. *In SCCWRP Biennial Report 1981-82*.

Hershelman, G.P., H.A. Schafer, T.K. Jan, and D.R. Young. 1981. Metals in marine sediments near a large California municipal outfall. *Marine Pollution Bulletin* 12: 131-134.

Hinton, D.E., P.C. Baumann, G.C. Gardner, W.E. Hawkins, J.D. Hendricks, R.A. Murchelano, and M.S. Okihiro. 1992. Histopathologic biomarkers. Pages 155-210, In: R.J. Hugget, R.A. Kimerle, P.M. Mehrie, Jr., and H.L. Bergman (eds.) *Biomarkers: Biochemical, Physiological, and Histological Markers of Anthropogenic Stress*, Soc. Env. Toxicol. Chem. Spec. Publ. Ser. Lewis Publishers, Chelsea, MI.

Hinton, D.E. and O.J. Lauren. 1990. Liver structural alterations accompanying chronic toxicity in fishes: potential biomarkers and exposure. Pages 17-58, In: J.F. McCarthy and L.R. Shugart (eds.) *Biomarkers of Environmental Contamination*. Lewis Publishers (CRC Press), Boca Raton, FL.

Hobson, E.S. 1972. Activity of Hawaiian reef fishes during the evening and morning transitions between daylight and darkness. *Fish. Bulletin* 70: 715-740.

Hobson, E.S. 1974. Feeding relationships of teleostean fishes on coral reefs in Kona, Hawaii. *Fish. Bulletin* 72: 915-1031.

Hobson, E.S. 1984. The structure of reef fish communities in the Hawaiian archipelago; interim status report. *In Proceedings of the second symposium on resource investigations in the Northwestern Hawaiian Islands*, vol. 1. eds. R.W. Grigg, and K.Y. Tanoue. Univ. of Hawaii, Honolulu, HI. Sea Grant Misc. Rept. UNIHI-SEAGRANT-MR-84-01.

Holland, A.F., A.S. Shaughnessy, M.H. Hiegel. 1986. Separation of long-term benthic organisms into major components. *In Oceans 86 Conference Record*, vol. 3. Monitoring strategies symposium. Institute of Electrical and Electronic Engineers, Piscataway, NJ.

Holmes, N.A. and A.D. McIntyre. 1971. Methods for the study of marine benthos. *IBP Handbook 16*. Blackwell Scientific Publishers.

Honolulu (City & County of), Department of Public Works and the Hawaii State Department of Health. 1990. *Water quality management plan for the City & County of Honolulu*. September.

Hopley, D. 1982. *The geomorphology of the Great Barrier Reef*. Wiley Interscience, NY.

Hornung, H. et al. 1994. Distribution and Composition of Fatty Acids in Muscle Lipids of Inshore Fish and Deep Water Sharks from the Eastern Mediterranean. *Mar. Poll. Bull. (G. B.)* 28,448.

Hornung, H. et al. 1994. Distribution and Composition of Fatty Acids in Muscle Lipids of Inshore Fish and Deep Water Sharks from the Eastern Mediterranean. *Mar. Poll. Bull. (G. B.)* 28,448.

Hosaka, E.Y. 1973. *Shore Fishing in Hawaii*. Honolulu, Petroglyph Press.

Howell, R.B. 1978. *Water pollution aspects of particles*.

Huntem, J. and D.R. Arthur. 1978. Some aspects of the ecology of *Pelosoolex benedeni* Udekem (*Oligochaeta: Tubificidae*) in the Thames Estuary. *Estuarine & Coastal Marine Science* 6: 197-208.

Hunter, C. L. 1995. Review of status of coral reefs around American Flag Pacific Islands and assessment of need, value, and feasibility of establishing a coral reef

fishery management plan for the western PACIFIC REGION. Report for West Pac Fish. Management. Council.

Inman, C.B.E. and A.P.M. Lockwood. 1978. The effects of pollutants on the physiology of marine invertebrates. (unpublished) Karr, J.R. Assessment of fish communities using biotic integrity. *Fisheries* 6: , 21-27.

Jackson, J. B. C. 1992. Pleistocene perspectives on coral reef community structure. *Amer. Zool.* 719-731.

Jennings, J.R. and P.S. Rainbow. 1979. Studies on the uptake of cadmium by the crab *Carcinus maenas* in the laboratory. I. Accumulation from seawater and food source. *Mar. Biol.* 50:131-139.

JoAnne Kushima, J and A. Miyasaka, 2001. Management Plan for Hawaii's Akule Fishery State of Hawaii Department of Land and Natural Resources, Division of Aquatic Resources State of Hawaii, February

Johannes, R. E. 1978. Traditional marine conservation methods in Oceania and their demise. *Annual Review of Ecology and Systematics* 9: 349-64.

Johannes, R.E. 1981. *Words of the lagoon*. University of California Press, Los Angeles, CA.

Johannes, R.E. 1975. Pollution and degradation of coral reef communities. *In Tropical Marine Pollution*, eds. E.J. Ferguson, E.J. and R.E. Johannes. Elsevier Scientific Publications, Amsterdam.

Johnson, R. K. 1981. Kumulipo, The Hawaiian Hymn of Creation. Vol. 1. TopGallant Publishing Co., LTD. Honolulu, HI. 188 pp.

Johnson, L.L., C.M. Stehr, O.P. Olson, M.S. Myers, S.M. Pierce, B.B. McCain, and U. Varanasi. 1992. National Status and Trends Program. National Benthic Surveillance Project: Northeast coast, fish histopathology and relationships between lesions and chemical contaminants (1987-89). U.S. Dept. Comm., NOAA Tech. Memo. NMFS-NWFSC-4. 96 pp.

Johnson, R. K. 1981. Kumulipo, The Hawaiian Hymn of Creation. Vol. 1. TopGallant Publishing Co., LTD. Honolulu, HI. 188 pp.

Johnson, L.L., C.M. Stehr, O.P. Olson, M.S. Myers, S.M. Pierce, C.A. Wigren, B.B. McCain, and U. Varanasi. 1993. Chemical contaminants and hepatic lesions in winter flounder (*Pleuronectes americanus*) from the Northeast coast of the United States. *Environ. Sci. Technol.* 27:2759-2771.

Johnson, H. D., J. G. Grovhoug, and A. O. Valkirs, 1998. Copper loading to U. S. Navy harbors - Norfolk, VA; Pearl Harbor, HI; and San Diego, CA. Technical Document 3052. SSC San Diego. December. 79p.

Johnson, L.L., C.M. Stehr, O.P. Olson, M.S. Myers, S.M. Pierce, B.B. McCain, and U. Varanasi. 1992. National Status and Trends Program. National Benthic Surveillance Project: Northeast coast, fish histopathology and relationships between lesions and chemical contaminants (1987-89). U.S. Dept. Comm., NOAA Tech. Memo. NMFS-NWFSC-4. 96 pp.

Johnston, R.V. 1976. Mechanisms and problems of marine pollution in relation to commercial fisheries. *In Marine Pollution*, ed. R. Johnston. Academic Press, Inc., London: 3-156.

Jokiel, P.L. and S.L. Coles. 1974. Effects of heated effluent on hermatypic corals at Kahe Point, Oahu. *Pac. Sci.* 28: 1-18.

Jordan, D.S. 1922. Description of deep-sea fishes from the coast of Hawaii, killed by a lava flow from Mauna Loa. *U.S. Nat. Mus. Proc.* 59: 643-658.

Jorgensen, L. A. and B. Petersen, 1994. Trace Metals in Fish Used for Time Trend Analysis and as Environmental Indicators. *Mar. Poll. Bull. (G. B.)*, 38,169.

Josefson, A.B. and R. Rosenberg. 1988. Long-term soft-bottom faunal changes in three shallow fjords, west Sweden. *Netherlands Journal of Sea Research* 22: 149-159.

Kahiapo, J. and K. Smith 1994. Shoreline Creel Survey of Hilo Bay Hawaii: 1985-1990. Technical Report 94-02, Division of Aquatic Resources, Department of Land and Natural Resources, State of Hawaii, Honolulu.

Katz, A. and I.R. Kaplan. 1981. Heavy metal behavior in coastal sediments of Southern California: a critical review and synthesis. *Marine Chemistry* 10: 261-299.

Kay, E.A. 1979b. *Micromolluscan assemblages in Mamala Bay, 1977*. Prog. Rept., Water Resources Research Center, University of Hawaii, Honolulu, HI.

Kay, E.A. and R. Kawamoto. 1983. *Micromolluscan assemblages in Mamala Bay, Oahu, 1974-1982*. Tech. rept. 158, Water Resources Research Center, University of Hawaii, Honolulu. HI.

Kay and Kawamoto. 1985. *Micromolluscan assemblages in Mamala Bay, 1977*. Water Resources Center, University of Hawaii, Honolulu, HI. Technical Report 158.

Kay, E.A. 1980. Micromollusks: Techniques and patterns in benthic marine communities. In *Environmental Survey Techniques for Coastal Water Assessment Conference Proceedings*, Water Resources Research Center and Sea Grant, University of Hawaii, and Hawaii Water Pollut. Control Assoc., Honolulu, HI. January.

Kay, E.A. 1982. *Micromolluscan assemblages in Mamala Bay, Oahu: Preliminary summary of 1982 report*. Spec. Rep. 6:22:82, Water Resources Research Center, University of Hawaii, Honolulu, HI.

Kay, E.A. 1975. *Micromolluscan assemblages from the Sand Island sewer outfall. Mamala Bay, Oahu*. Interim Prog. Rep., (Proj. F-322-74 for City & County of Honolulu), Water Resources Research Center, University of Hawaii, Honolulu, HI.

Kay, E.A. 1978. *Interim progress report; summary of micromolluscan data; biological monitoring at Sand Island outfall*. Water Resources Research Center, University of Hawaii, Honolulu, HI.

Kay, E.A. and R. Kawamoto. 1980. *Micromolluscan assemblages in Mamala Bay, Oahu, 1979*. Prog. rept., Water Resources Research Center, University of Hawaii, Honolulu, HI.

Kay, E.A. 1967. The composition and relationships of marine molluscan fauna of the Hawaiian islands. *Venus* 25:94-104.

Kay, E.A. 1977. Introduction to the revised edition. In *Reef and shore fauna of Hawaii*. eds. D.M. Devaney and L.G. Eldredge. Bishop Museum Special Publication 64 (1), Honolulu, HI. Pp.4-11.

Kay, E.A. 1979a. Hawaiian marine shells. In *Reef and Shore Fauna of Hawaii*. eds. D.M. Devaney, and L.G. Eldredge. Section 4; Mollusca. Bishop Museum, Honolulu, HI.

Knutsen, D., R. Buddemeier, and S.V. Smith. 1972. Coral chronometers: seasonal growth bands in reef corals. *Science* 177: 270-272.

Koh, Robert C.Y. 1988. Shoreline impact from ocean waste discharges. *Journal of Hydraulic Engineering*, Vol. 114, No. 4, April.

Koh, Robert C.Y., 1988. Shoreline Impact From Ocean Waste Discharges, *Journal of Hydraulic Engineering*, Vol. 114, No. 4, April.

Kroenke, L.W., and Woolard, G.P., 1966. Seismic reflection investigations in the vicinity of the Hawaiian Ridge. Report HIG-65-11, Hawaii Institute of Geophysics, 63 p.

Kucuksezgin, E. and A. Balci. 1994. Heavy Metal Concentrations in Selected Organisms in Izmir Bay, Turkey. *Mar. Poll. Bull. (G. B.)*, 28, 333.

Laevastu, T., D.E. Avery, and D.C. Cox. 1964. *Coastal currents and sewage disposal in the Hawaiian islands*. HIG-64-1, Hawaii Institute of Geophysics, University of Hawaii, Honolulu, HI.

Laws, Edward A. 1982. Baseline studies of phytoplankton communities at the Honouliuli sewer outfall area. Prepared for Department of Public Works, City & County of Honolulu. Contract No. F 274C-76. University of Hawaii Oceanography Department and Hawaii Institute of Marine Biology.

Laws, Edward A. 1993. Written evidentiary hearing testimony -Impact of the Honouliuli sewer outfall on the phytoplankton community and water quality of Mamala Bay. City & County of Honolulu's Honouliuli treatment plant Docket No. NPDES-09-92-0001. Prepared for Department of the Corporation Counsel, City & County of Honolulu, and submitted to the U.S. Environmental Protection Agency. (Evidentiary Hearing Testimony). June 24.

Leppakoski, E. 1975. Assessment of degree of pollution of the basis of macrozoobenthos in marine and brackish-water environments. *Acta Academie Aboensis, Ser. B* 35(2): 1-90.

Levin, L.A. 1984. Life history and dispersal patterns in a dense infaunal polychaete assemblage: Community structure and response to disturbance. *Ecology*. 65(4): 1185-1200.

Lewis, R.D, and K.K. McKee. 1989. *A guide to the artificial reefs of Southern California*. State of California, Department of Fish and Game, Sacramento, CA.

Lindstrom, K.P. 1993. Written evidentiary hearing testimony - City & County of Honolulu's Honouliuli treatment plant Docket No. NPDES-09-92-0001. Prepared for Department of the Corporation Counsel, City & County of Honolulu, and submitted to the U.S. Environmental Protection Agency. (Evidentiary Hearing Testimony)

List, E.J. and R.C.Y. Koh. 1976. Variations in coastal temperatures on the southern and central California coast. *Journal Geophysical Research*, vol. 81 (12): 1971-1979.

Little, M.M. 1973. The population and community structure of Hawaiian fringing-reef crustose *Corallinacea* (*Rhodophyta, Cryptonemiales*). *J. Exp. Mar. Biol.* 11: 103-120.

Little, M.M. and S.N. Murray. 1975. Impact of sewage on the distribution, abundance, and community structure of rocky intertidal macro-organisms. *Marine Biology* 30: 277-291.

Loh, Philip C., Roger S. Fujioka, and L. Stephen Lau, 1979. Recovery, survival and dissemination of human enteric viruses in ocean waters receiving sewage in Hawaii. *Water, Air and Soil Pollution*, 12: 197-217.

Loh, Philip C., L. Stephen Lau, and Roger S. Fujioka, 1980. *Survival, dissemination, and public health significance of human enteric viruses in ocean waters of Oahu*. WRRRC Technical Report No. 134, University of Hawaii, Honolulu, HI. May.

Loh, Philip C., L. Stephen Lau, and Roger S. Fujioka, 1980. Survival, Dissemination, and Public Health Significance of Human Enteric Viruses in Ocean Waters of Oahu. WRRRC Technical Report No. 134, University of Hawaii, May.

Loh, Philip C., Roger S. Fujioka, and L. Stephen Lau, 1979. Recovery, Survival and Dissemination of Human Enteric Viruses in Ocean Waters Receiving Sewage in Hawaii, *Water, Air and Soil Pollution*, Vol. 12:, pp197-217.

Long, E. R., D. D. MacDonald, J. Cabbage, C. G. Ingersoll. 1998b. Predicting the toxicity of sediment-associated trace metals with simultaneously-extracted trace metal:acid-volatile sulfide concentrations and dry weight-normalized concentrations: A critical comparison. *Environmental Toxicology and Chemistry* 17(5)

Long, E. R., D. D. MacDonald, S. L. Smith, and F. D. Calder. 1995. Incidence of adverse biological effects within ranges of chemical concentrations in marine and estuarine sediments. *Environmental Management* 19(1): 81-97.

Long, E. R., L. J. Field, and D. D. MacDonald. 1998a. Predicting toxicity in marine sediments with numerical sediment quality guidelines. *Environmental Toxicology and Chemistry* 17(4)

Long, E.R., and L. G. Morgan. 1990. 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, Washington.

Long, E. R., and D. D. MacDonald. 1998. Recommended uses of empirically derived, sediment quality guidelines for marine and estuarine ecosystems. *Human and Ecological Risk Assessment* 4(5): 1019-1039.

Long, E. R., and C. J. Wilson. 1997. On the identification of toxic hot spots using measures of the sediment quality triad. *Marine Pollution Bulletin* 34 (6): 373-374.

Long, E.R. and L.G. Morgan, 1990. 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 + appendices.

Long, E. R., and C. J. Wilson. 1997. On the identification of toxic hot spots using measures of the sediment quality triad. *Marine Pollution Bulletin* 34 (6): 373-374.

Long, E. R., D. D. MacDonald, S. L. Smith, and F. D. Calder. 1995. Incidence of adverse biological effects within ranges of chemical concentrations in marine and estuarine sediments. *Environmental Management* 19(1): 81-97.

Long, E. R., and D. D. MacDonald. 1998. Recommended uses of empirically derived, sediment quality guidelines for marine and estuarine ecosystems. *Human and Ecological Risk Assessment* 4(5): 1019-1039.

Long, E.R., D.D. MacDonald, S.L. Smith and F.D. Calder. 1995. Incidence of adverse biological effects within ranges of chemical concentrations in marine and estuarine sediments. *Environmental Management* 19(1):81-97.

Long, E.R., and L. G. Morgan. 1990. 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, Washington.

Long, E. R., D. D. MacDonald, J. Cabbage, C. G. Ingersoll. 1998b. Predicting the toxicity of sediment-associated trace metals with simultaneously-extracted trace metal:acid-volatile sulfide concentrations and dry weight-normalized concentrations: A critical comparison. *Environmental Toxicology and Chemistry* 17(5)

Long, E. R., L. J. Field, and D. D. MacDonald. 1998a. Predicting toxicity in marine sediments with numerical sediment quality guidelines. *Environmental Toxicology and Chemistry* 17(4)

Love, M.S., P. Morris, M. McCrae, and R. Collins. 1990. *Life history aspects of 19 rockfish species (Scorpaenidae: Sebastes) from the Southern California Bight*. U.S. Dept. of Commerce, NOAA Technical Report 87.

Loya, Y. 1976. Recolonization of Red Sea coral affected by natural catastrophes and man-made perturbations. *Ecology* 57: 278-289.

Luckhurst, B.E. and K. Luckhurst. 1978. Analysis of the influence of substrate variables on coral reef fish communities. *Marine Biology* 49: 317-323.

Lunde, G. 1977. Occurrence and transformation of arsenic in the marine environment. *Environmental Health Perspectives* 19:47-52.

Lunde, G. 1977. Occurrence and transformation of arsenic in the marine environment. *Environmental Health Perspectives* 19:47-52.

Lyons, W.B, and W.F. Fitzgerald. 1980. Trace metal fluxes to nearshore Long Island Sound sediments. *Marine Pollution Bulletin*.

M & E Pacific, Inc., 1989. "Assessment of Public Health Risks of the Discharges from the Sand Island, Barbers Point and Waianae Outfall Systems. Volume I of III released to City by for submittal to the Hawaii State Department of Health as a Draft.

M&E Pacific, Inc. 1989. *Assessment of public health risks of the discharges from the Sand Island, Barbers Point and Waianae outfall systems*. Volume I of III released to City by for submittal to the Hawaii State Department of Health as a Draft.

M&E Pacific, Inc. 1983a. Reapplication for secondary treatment modification Honouliuli treatment facility. Prepared for Department of Public Works, City & County of Honolulu.

M&E Pacific, Inc. 1983b. *Reapplication for secondary treatment modification, Sand Island treatment facility*. Prepared for Department of Public Works, City & County of Honolulu.

M&E Pacific, Inc. ,1989. Assessment of the Public Health Risks of the Discharge from the Sand Island, Barbers Point, and Waianae Outfall Systems, Volume 1 of III. which was prepared for The Division of Wastewater Management Department of Public Works City and County of Honolulu

M&E Pacific, Inc. 1984. *Sand Island outfall. Inaugural Water Quality Monitoring Report, 1970-1983*. vols. I and II, October.

M&E Pacific, Inc. 1982. *Development of scope of work for oceanographic studies at the Honouliuli and Sand Island outfalls*.

MacDonald, D. D., R. S. Carr, F. D. Calder, E. R. Long, and C. G. Ingersoll 1996. Development and evaluation of sediment quality guidelines for Florida coastal waters. *Ecotoxicology* 5: 253-278.

MacDonald, D. D., R. S. Carr, F. D. Calder, E. R. Long, and C. G. Ingersoll. 1996. Development and evaluation of sediment quality guidelines for Florida coastal waters. *Ecotoxicology* 5: 253-278.

Macek, K. J., S. R. Petrocelli and B. H. Sleight III. 1979. Considerations in assessing the potential for, and significance of, biomagnification of chemical residues in aquatic food chains. Pp. 251-268 In Marking, L. L. and R. A. Kimerle, eds. *Aquatic Toxicology*. ASTM STP 667. Am Soc. Testing and Materials, Philadelphia, PA.

Maher, W. A., 1983. *Mar.Pollut.Bull.* 14:308.

Maciolek, J.A. 1984. Exotic fishes in Hawaii and other islands of Oceania. *In Distribution, Biology and Management of Exotic Fishes*. eds. W.R. Courtenay, Jr., and J.R. Stauffer. Johns Hopkins University Press, Baltimore, MD.

MacIsaac, J.J, R.C. Dugdale, S.A. Huntsman, and H.L. Conway. 1979. The effect of sewage on uptake of inorganic nitrogen and carbon by natural populations of marine phytoplankton. *Journal of Marine Research* 37: 51-66.

Maher, W.A. 1985. The presence of arsenobetaine in marine animals. *Comparative Biochemical Physiology* 80: 199-201.

Mamala Bay Study. April 1996.

Maragos, J.E. 1972. *A study of the ecology of Hawaiian reef corals*. Ph.D. Dissertation, University of Hawaii, Honolulu, HI.

Maragos, J.E. 1977. Order Scleractinia stony corals. *In Bishop Museum Special Publication*, eds. D.M. Devaney, and L.G. Eldredge, Honolulu, HI.

Maragos, J.E., G. Baines and P. Beveridge. 1973. Tropical cyclone Bebe creates a new land formation on Funafuti atoll. *Science* 181: 1161-1164.

Marine Research Consultants. 1991. *Ewa marine ocean/marina monitoring program - reef community structure report no. 1*. Prepared for project proponent.

Marsalak, D.S. 1981b. Effects of sewage effluents on reef corals. *Abstract in Proceedings of the 4th International Coral Reef Symposium* 1: 213.

Marsalak, D.S. 1981a. Impact of dredging on a subtropical reef community, southeast Florida, U.S.A. *In Proceedings of the 4th International Coral Reef Symposium* 1: 147-154.

Mathews, W.I. 1981. PDP 11/70 CLUSTER user's manual.

Matta, M.B., A.J. Mearns, and M.F. Buchman. 1986. *Trends in DDT and PCBS in U.S. West coast fish and invertebrates*. U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Ocean Service, Ocean Assessments Division. The National Status and Trends Program for Marine Environmental Quality. March.

Matthews, K.R. 1985. Species similarity and movement of fishes on natural and artificial reefs in Monterey Bay. *California Bulletin of Marine Science* 37: 252-270.

McCall, P.L. 1977. Community patterns and adaptive strategies of the infaunal benthos of Long Island Sound. *Journal Marine Research* 35(2): 221-266.

McDermott, D.J., G.V. Alexander, D.R. Young, and A.J. Mearns. 1976. Metal contamination of flatfish around a large submarine outfall. *Journal. Water Pollution Control Federation* 48 (8):1913-1918.

McDermott, D.J., G.V. Alexander, D.R. Young, and A.J. Mearns. 1976. Metal contamination of flatfish around a large submarine outfall. *Journal: Water Pollution Control Federation* 48(8):1913-1918.

McDermott, D.J. et al. 1975. *Polychlorinated biphenyls in marine organisms off Southern California. TM233.* El Segundo, CA: Southern California Coastal Water Research Project.

McDermott-Ehrlich, D., M.J. Sherwood, T.C. Heesen, D.R. Young, and A.J. Mearns. 1977. Chlorinated hydrocarbons in Dover sole, *Microstomus pacificus*: Local migrations and fin lesions. *Fish. Bull.* 75:513-517.

McDermott-Ehrlich, D., M.J. Sherwood, T.C. Heesen, D.R. Young, and A.J. Mearns. 1977. Chlorinated hydrocarbons in Dover sole, *Microstomus pacificus*: Local migrations and fin lesions. *Fish. Bull.* 75:513-517.

McNulty, J.K. 1961. Ecological effects of sewage pollution in Biscayne Bay, Florida: sediments and the distribution of benthic and fouling macro-organisms. *Bulletin Marine Science Gulf. Garb.* II: 394-445.

McNulty, J.K. 1970. Effects of abatement of domestic sewage pollution on the benthos, volumes of zooplankton, and the fouling organisms of Biscayne Bay, Florida. *Studies in Tropical Oceanography No. 9.* University of Miami, Miami, FL.

Mearns, A.J. and M.J. Sherwood. 1977. Distribution of neoplasms and other diseases in marine fishes relative to the discharge of wastewater. *Ann. N.Y. Acad. Sci.* 298:210-224.

Mearns, A.J., M. Matta, G. Shigenaka, D. MacDonald, M. Buchman, H. Harris, J. Golas, and G. Lauenstein. 1991. Contaminant Trends in the Southern California Bight: Inventory and Assessment. NOAA Tech. Memo. NOS ORCA 62. Seattle, WA: NOAA.

Mearns, A.J. and D.R. Young. 1983. Characteristics and effects of municipal wastewater discharges to the Southern California Bight, a case study. In: *Ocean Disposal of Marine Wastewater: Impacts on the Coastal Environment*, eds. E.P. Myers and E.T. Harding, 761-819. MITSG 83-33. Washington, DC: NOAA.

Mearns, A.J. and M.J. Sherwood. 1974. Environmental aspects of fin erosion and tumors in Southern California Dover sole. *Trans. Am. Fish. Soc.* 103:799-810.

Mearns, A.J. 1976. *Quantitative responses of demersal fish and benthic invertebrate communities to coastal municipal wastewater discharges.* Southern California Coastal Water Research Project.

Mearns, A.J. and M.J. Allen. 1978. *Use of small otter trawls in coastal biological surveys.* U.S. Environmental Protection Agency Ecological Research Series Report EPA-600-3-78-083. Corvallis, Oregon.

Mearns, A.J. 1992. Contaminant trends in the southern California bight: four decades of stress and recovery. *In Proc. Symp. Mar. Env. of S. CA*, eds. M. Grifman, and S.E. Yoder.

Mearns, A.J. and D.R. Young. 1983. Characteristics and effects of municipal wastewater discharged to the Southern California bight, a case study. *In Ocean Disposal of Marine Wastewater: Impacts on the Coastal Environment*, eds. E.P. Myers and E.T. Harding. MITSG 83-33. NOAA: Washington, D.C.: 761-819.

Mearns, A.J., J. Allen, M.D. Moore, and M.J. Sherwood. 1980. Distribution, abundance, and recruitment of soft-bottom rockfishes (*Scorpaenidae: Sebastes*) on the southern California mainland shelf. *Calif. Coop. Oceanic Fish. Invest. Rept.* 21: 180-190.

Mearns, A.J. and J.Q. Word. 1982. Forecasting effects of sewage solids on marine benthic communities. *In Ecological Stress and the New York Bight: Science and Management.* ed. G.F. Macer. Estuarine Research Federation, Columbia, SC.

Mearns, A.J. and M.J. Sherwood. 1974a. Environmental aspects of fin erosion and tumors in southern California dover sole. *Trans. Am. Fish. Soc.* 103(4): 799-810.

Mearns, A.J. et al. 1991. Contaminant trends in the southern California bight: inventory and assessment. National Oceanic and Atmospheric Administration, NOAA Tech. Memorandum NOX ORCA 62, Seattle, WA. October.

Mearns, A.J., M. Matta, G. Shigenaka, D. MacDonald, M. Buchman, H. Harris, J. Golas, and G. Lauenstein. 1991. *Contaminant trends in the Southern California bight: inventory and assessment.* NOAA Tech. Memo. NOS ORCA 62. NOAA, Seattle, WA.

Mearns, A.J. and M.J. Sherwood. 1974. Ocean wastewater discharge and tumors in a southern California flatfish. To be published in *Progress in Experience Tumor Research*, vol. 19. Presented at the Conference of the International Union Against Cancer, October 15-17, Cork. Ireland.

Mearns, A.J. and M.J. Sherwood. 1974. Environmental aspects of fin erosion and tumors in Southern California Dover sole. *Trans. Am. Fish. Soc.* 103:799-810.

Mearns, A.J. and M.J. Sherwood. 1977. Distribution of neoplasms and other diseases in marine fishes relative to the discharge of wastewater. *Ann. N.Y. Acad. Sci* 298:210-224.

MEC Analytical Systems, Inc. 1992. Encina Receiving Water Monitoring Report - Summary Report July 1985-June 1991. Prepared for Encina Water Pollution Control Facility, Carlsbad, CA.

MEC Analytical Systems, Inc. 1991. Production and valuation study of an artificial reef off Southern California. Report to the Port of Long Beach, Port of Los Angeles and National Marine Fisheries Service.

MEC Analytical Systems, Inc. 1989. A review of the potential for using artificial reefs as mitigation for port development in Southern California. Report to the Port of Los Angeles and the Port of Long Beach- June 26, 1989. 49pp.

MEC Analytical Systems, Inc. 1993. *Deep water mitigation alternatives for port development*. Report to the California Association of Port Authorities. March, 13, 1993.

MEC Analytical Systems, Inc. 1992. *Encina Receiving Water Monitoring Report - Summary Report July 1985-June 1991*. Prepared for Encina Water Pollution Control Facility, Carlsbad, CA.

MEC Analytical Systems, Inc. 1989. *A review of the potential for using artificial reefs as mitigation for port development in Southern California*. Report to the Port of Los Angeles and the Port of Long Beach- June 26, 1989.

MEC Analytical Systems, Inc. 1991. *Production and valuation study of an artificial reef off Southern California*. Report to the Port of Long Beach, Port of Los Angeles and National Marine Fisheries Service.

Mentreath, R.J. 1973. The accumulation and retention of ⁶⁵Zn and ⁵⁴Mn by the plaice, *Pleuronectes platess L.* *J. Exp. Mar. Biol. Ecol.* 12:1-18.

Meyers, E.P. 1983. *Ocean disposal of municipal wastewater: impacts on the coastal environment*. Sea Grant College Program, MITSG 83-33. Two volumes.

Mirza, F.B. and J.S. Gray. 1981. The fauna of benthic sediments from the organically enriched Oslofjord, Norway. *J. Exp. Mar. Bio. Ecol.* 54:181-207.

Moberly, R. Jr., L.D. Vaver, Jr., and A. Morrison. 1965. Source and variation of Hawaiian littoral sand. *Journal of Sedimentary Petrology*, vol. 35, No. 3: 589-598.

Moffitt, R.B., F.A. Parrish and J.J. Polovina. 1989. Community structure, biomass and productivity of deepwater artificial reefs in Hawaii. *Bulletin of Marine Science* 44: 616-630.

Montague, K. and P. Montague. 1971. *Mercury*. A Sierra Club Battlebook. The Guinn Company. San Francisco, CA.

Montague, K and P. Montague, 1971. Mercury A Sierra Club Battlebook, The Guinn Company, San Francisco.

Montgomery, J.H. 1991. *Groundwater chemicals field guide*. Lewis Publishers, Inc., Chelsea, MI. xli+271p.

Moore, J. W. and S. Ramamoorthy, 1984. *Heavy metals in natural waters Applied monitoring and impact assessment*. Springer-Verlag, New York.

Moore. M. J, R. M. Smolowitz and, J. J. Stegeman. 1997. Stages of hydropic vacuolation in the liver of winter flounder *Pleuronectes americanus* from a chemically contaminated site. *Dis. Aquat. Org.* 31:19-28.

Moore. M. J, R. M. Smolowitz and, J. J. Stegeman. 1997. Stages of hydropic vacuolation in the liver of winter flounder *Pleuronectes americanus* from a chemically contaminated site. *Dis. Aquat. Org.* 31:19-28.

Morel, F.M.M. and S.L. Schiff. 1983. Geochemistry of municipal waste in coastal waters. *In Ocean Disposal of Municipal Wastewater: Impacts on the Coastal Environment*, eds. E.P.Meyers and E.T. Harding, 249-422. MITSG 83-33. Washington, D. C. NOAA.

Murakawa, S. K. K., G. H. Balazs, D. M. Ellis, S. Hau, and S. M. Eames. 2000. Trends in fibropapillomatosis among green turtles stranded in the Hawaiian Islands, 1982-1998. In H.Kalb and T. Wibbels (comps.), *Proceedings of the Nineteenth Annual Symposium on Sea Turtle Conservation and Biology*, March 2-6, 1999, South Padre Island, Texas, p. 239-241. U.S. Dep.Commer., NOAA Tech. Memo. NMFS-SEFSC-443.

Muromtsev, A.M., 1958. *The Principal Hydrological Features of the Pacific Ocean*. Israel Program for Scientific Translation.

Myers, M.S., C.M. Stehr, O.P. Olson, L.L. Johnson, B.B. McCain, S.-L. Chan, and U. Varanasi. 1994. Relationships between toxicopathic lesions and exposure to chemical contaminants in English sole (*Pleuronectes vetulus*), starry flounder (*Platichthys*

stellatus), and white croaker (*Genyonemus lineatus*) from selected marine sites on the Pacific Coast, USA. Environ. Health Perspec. 102:200-215. NMFS (National Marine Fisheries Service). Unpublished data. White croaker histopathology size data from the National Benthic Surveillance Project (NBSP), 1984-88. Mark S. Myers, NMFS, Seattle, WA.

Myers, M.S., C.M. Stehr, O.P. Olson, L.L. Johnson, B.B. McCain, S.L. Chan, and U. Varanasi. 1993. National Status and Trends Program, National Benthic Surveillance Project: Pacific Coast, Fish Histopathology and Relationships Between Toxicopathic Lesions and Exposure to Chemical Contaminants for Cycles I to V (1984-88). NOAA Tech. Memo. NMFS-NWFSC-6. 160 pp.

Myers, M.S., C.M. Stehr, O.P. Olson, L.L. Johnson, B.B. McCain, S.-L. Chan, and U. Varanasi. 1994. Relationships between toxicopathic lesions and exposure to chemical contaminants in English sole (*Pleuronectes vetulus*), starry flounder (*Platichthys stellatus*), and white croaker (*Genyonemus lineatus*) from selected marine sites on the Pacific Coast, USA. Environ. Health Perspec. 102:200-215. NMFS (National Marine Fisheries Service). Unpublished data. White croaker histopathology size data from the National Benthic Surveillance Project (NBSP), 1984-88. Mark S. Myers, NMFS, Seattle, WA.

Myers, M.S., C.M. Stehr, O.P. Olson, L.L. Johnson, B.B. McCain, S.L. Chan, and U. Varanasi. 1993. National Status and Trends Program, National Benthic Surveillance Project: Pacific Coast, Fish Histopathology and Relationships Between Toxicopathic Lesions and Exposure to Chemical Contaminants for Cycles I to V (1984-88). NOAA Tech. Memo. NMFS-NWFSC-6. 160 pp.

Myers, R.F. 1989. *Micronesian reef fishes*. Coral Graphics, Barrigada, Guam.

National Oceanic and Atmospheric Administration (NOAA) and NMFS. 1992B1993. *Marine Mammal Protection Act of 1972 Annual Report. January 1, 1992 to December 31, 1993*. U.S. Dept. Commerce, NOAA, NMFS, Wash., D.C.

National Oceanic and Atmospheric Administration, 1989. A summary of data on tissue contamination from the first three years (1986-88) of the Mussel Watch Project. NOAA Technical Memorandum NOS OMS 44. Rockville, MD. 22 pp + appendices.

National Oceanic and Atmospheric Administration. 1987. *The national coastal pollutant discharge inventory, urban runoff methods documents*. Strategic Assessment Branch, Ocean Assessments Division. April.

National Oceanic and Atmospheric Administration. 1991. Second summary of data on chemical contaminants in sediments for the national status and trends program. Progress Report of the National Status and Trends Program for Marine Water Quality. NOAA Technical Memorandum NOS OMA 59. Rockville, MD. April.

National Oceanic and Atmospheric Administration. 1987e. *The national coastal pollutant discharge inventory, upstream sources methods documents*. Strategic Assessment Branch, Ocean Assessments Division, April.

National Research Council, 1988. *Monitoring: a promising technology for marine environmental management*. October 17.

National Oceanic and Atmospheric Administration. 1987c. *The national coastal pollutant discharge inventory, nonurban runoff methods documents*. Strategic Assessment Branch, Ocean Assessments Division, April.

National Oceanic and Atmospheric Administration. 1987b. *The national coastal pollutant discharge inventory, irrigation return flow methods documents*. Strategic Assessment Branch, Ocean Assessments Division, April.

National Academy of Sciences - National Academy of Engineering. 1973. *Water Quality Criteria*. EPA Ecological Research Series. EPA-R3-73-002. U.S. Environmental Protection Agency, Washington, D. C.

National Oceanic and Atmospheric Administration. 1987d. *The national coastal pollutant discharge inventory, point source methods documents*. Strategic Assessment Branch, Ocean Assessments Division, April.

National Oceanic and Atmospheric Administration. 1987a. *National status and trends program*. Annual Report. Rockville, MD.

National Oceanic and Atmospheric Administration. 1989. A summary of data on tissue contamination for the first three years (1986-1988) of the mussel watch program: Progress Report of the National Status and Trends Program for Marine Water Quality. *NOAA Technical Memorandum NOS OMA 49*. Rockville, MD. August.

Naylor, E. 1965. Biological effects of a heated effluent in docks at Swansea, S. Wales. *Proc. Zool. Soc. Lond.* 144: 253-268.

Neighbor Island Consultants, 1977. Final report: environmental surveys of deep ocean dredged spoil disposal sites in Hawaii: Prepared for U.S. Army Corps of Engineers, Honolulu, Hawaii, Volume I (131 p.) and Volume II (appendices).

Nelson, W.G., J.H. Bailey-Brock, W.J. Cooke, and E.A. Kay. 1994a. *Benthic faunal sampling adjacent to Sand Island ocean outfall, Oahu, Hawaii, August 1993*. Proj. Rept. PR-94-13. Water Resources Research Center, University of Hawaii, Honolulu, HI.

136 p (1993 Sand Island Benthic Sampling Report).

Nelson, W.G., J.H. Bailey-Brock, W.J. Cooke, and E.A. Kay. 1994. *Benthic faunal sampling adjacent to Sand Island ocean outfall, Oahu, Hawaii, August 1993*. Water Resources Research Center, University of Hawaii, Project Report PR-94-13. (1993 Sand Island Benthic Sampling Report)

Nelson, W.G., J.H. Bailey-Brock, W.J. Cooke, and E.A. Kay. 1986. *Benthic infaunal sampling in the vicinity of the Sand Island ocean outfall, O'ahu, Hawaii*. Spec. Rept. No. 6:20:86, Water Resources Research Center, University of Hawaii at Manoa, Honolulu. 117 p. (1986 Sand Island Benthic Sampling Report)

Nelson, W.G., Bailey-Brock, J.H., W.J. Cooke, and E.A. Kay. 1992a. *Benthic faunal sampling adjacent to Sand Island Ocean Outfall, Oahu, Hawaii, August 1991*. Water Resources Research Center, University of Hawaii, Special Rept. 04.20:92 Manoa, Honolulu, HI. 161 p. (1991 Sand Island Benthic Sampling Report)

Nelson, W.G., Bailey-Brock, J.H., W.J. Cooke, and E.A. Kay. 1992b. *Benthic faunal sampling adjacent to Sand Island Ocean Outfall, Oahu, Hawaii, August 1992*. Water Resources Research Center, University of Hawaii, Special Rept. 12.08:92 Manoa, Honolulu, HI. 148 p. (1992 Sand Island Benthic Sampling Report)

Nelson, W.G., J.H. Bailey-Brock, W.J. Cooke, and E.A. Kay. 1995a. *Benthic faunal sampling adjacent to Sand Island Ocean Outfall, Oahu, Hawaii, August 1994*. Water Resources Research Center, University of Hawaii, Project Rept. PR-95-09. Manoa, Honolulu, HI. May. (1994 Sand Island Benthic Sampling Report)

Nelson, W.G., J.H. Bailey-Brock, E.A. Kay, and W.J. Cooke. 1991. *Benthic faunal sampling adjacent to Barbers Point ocean outfall, O'ahu, Hawaii'i*. Spec. Rept. No. 4:01:91, Water Resources Research Center, University of Hawaii at Manoa, Honolulu. April. 94 p. (1990 Barbers Point Benthic Sampling Report)

Nelson, Walter G. 1993. Written Evidentiary Hearing Evidence Testimony of Walter G. Nelson, Ph.D. Assessment of Effects on Benthic Communities of Effluent from the Barbers Point Ocean Outfall, Honouliuli Wastewater Treatment Plant. 56p. Submitted to United States Environmental Protection Agency, Region 9, Docket No. NPDES-09-92-001 for Honouliuli Wastewater Treatment Plant permit issuance. June 23.

Nelson, W.G., J.H. Bailey-Brock, W.J. Cooke, and E.A. Kay. 1997. *Benthic faunal sampling adjacent to Sand Island Ocean Outfall, Oahu, Hawaii, September 1996*. Water Resources Research Center, University of Hawaii, Project Rept. PR-97-06. Manoa, Honolulu, HI. May. (1996 Sand Island Benthic Sampling Report)

Nelson, W.G., J.H. Bailey-Brock, E.A. Kay, D.A. Davis, M.E. Dutch, and R.K. Kawamoto. 1987a. *Benthic infaunal sampling in vicinity of Mokapu ocean outfall, Oahu, Hawaii*. Spec. Rept. No. 2, 12:87. Water Resources Research Center, Honolulu, HI.

Nelson, W.G., J.H. Bailey-Brock, W.J. Cooke, and E.A. Kay. 1995b. *Benthic faunal sampling adjacent to Barbers Point Ocean Outfall, Oahu, Hawaii, January 1995*. Water Resources Research Center, University of Hawaii, Project Rept. PR-95-12. Manoa, Honolulu, HI. May. (1995 Barbers Point Benthic Sampling Report)

Nelson, W.G., J.H. Bailey-Brock, W.J. Cooke, and E.A. Kay. 1994b. *Benthic faunal sampling adjacent to Barbers Point ocean outfall, Oahu, Hawaii, March 1993*. Proj. Rept. PR-94-15. Water Resources Research Center, University of Hawaii, Honolulu, HI.

Nelson, W.G., J.H. Bailey-Brock, E.A. Kay, D.A. Davis, M.E. Dutch, and R.K. Kawamoto. 1987b. *Benthic infaunal sampling near Barbers Point ocean outfall, O'ahu, Hawaii*. Spec. Rept. No. 4, 02:87. Water Resources Research Center, University of Hawaii at Manoa, Honolulu, HI. (1986 Barbers Point Benthic Study.)

Nelson, W.G., J.H. Bailey-Brock, W.J. Cooke, and E.A. Kay. 1994c. *Benthic faunal sampling adjacent to Barbers Point Ocean Outfall, Oahu, Hawaii, January-February 1994*. Water Resources Research Center, University of Hawaii, Project Rept. PR-95-01. Manoa, Honolulu, HI. July. (1994 Barbers Point Benthic Sampling Report)

Nelson, W.G., J. Bailey-Brock, E. Kay, D. Davis, M. Dutch, and R. Kawamoto. 1988. A comparison of the effects of deep-ocean sewer outfalls on benthic infaunal communities of Oahu, Hawaii. *Proceedings of the 7th International Ocean Disposal Symposium*, 21-25 September 1987, Wolfville, Nova Scotia. pp 162-201.

Nelson, W.G., J.H. Bailey-Brock, W.J. Cooke, and E.A. Kay. 1996. *Benthic faunal sampling adjacent to Sand Island Ocean Outfall, Oahu, Hawaii, August 1994*. Water Resources Research Center, University of Hawaii, Project Rept. PR-95-09. Manoa, Honolulu, HI. May. (1994 Sand Island Benthic Sampling Report)

Nitta, E.T. and J.R. Henderson. 1993. A review of interactions between Hawaii's fisheries and protected species. *Marine Fisheries Review* 55(2):83-92.

Nitta, E.T. 1999. Summary Report Bottomfish Observer Trips in the Northwestern Hawaiian Islands October 1990 to December 1993 (Draft). Pacific Islands Area Office, National Marine Fisheries Service, Honolulu.

NMFS and USFWS (National Marine Fisheries Service and U.S. Fish and Wildlife Service).

1998e. Recovery Plan for U.S. Pacific Populations of the Olive Ridley Turtle (*Lepidochelys olivacea*). National Marine Fisheries Service, Silver Spring, MD.

NMFS (National Marine Fisheries Service). 2001. Biological Opinion on the Authorization of Pelagic Fisheries under the Fishery Management Plan for the Pelagic Fisheries of the Western Pacific Region. National Marine Fisheries Service (Southwest Region), Long Beach, CA.

NMFS and USFWS (National Marine Fisheries Service and U.S. Fish and Wildlife Service).

1998a. Recovery Plan for U.S. Pacific Populations of the Green Turtle (*Chelonia mydas*).

National Marine Fisheries Service, Silver Spring, MD.

NMFS and USFWS (National Marine Fisheries Service and U.S. Fish and Wildlife Service).

1998b. Recovery Plan for U.S. Pacific Populations of the Hawksbill Turtle (*Eretmochelys*

imbricata). National Marine Fisheries Service, Silver Spring, MD.

NMFS and USFWS (National Marine Fisheries Service and U.S. Fish and Wildlife Service).

1998c. Recovery Plan for U.S. Pacific Populations of the Leatherback Turtle (*Dermochelys*

coriacea). National Marine Fisheries Service, Silver Spring, MD.

NMFS and USFWS (National Marine Fisheries Service and U.S. Fish and Wildlife Service).

1998d. Recovery Plan for U.S. Pacific Populations of the Loggerhead Turtle (*Caretta caretta*). National Marine Fisheries Service, Silver Spring, MD.

NOAA (National Oceanic and Atmospheric Administration). 1993. Sampling and analytical methods of the National Status and Trends Program National Benthic Surveillance and Mussel Watch Projects 1984-1992: Overview and summary of methods, Volume I. NOAA Technical Memorandum NOS ORCA 71, Silver Spring, MD.

NOAA, 2001. Web Page announcing Recreational Fishing Survey
<http://www.publicaffairs.noaa.gov/releases2001/aug01/noaa01r129.html>.

NOAA (National Oceanic and Atmospheric Administration). 1993. Sampling and analytical methods of the National Status and Trends Program National Benthic Surveillance and Mussel Watch Projects 1984-1992: Overview and summary of methods, Volume I. NOAA Technical Memorandum NOS ORCA 71, Silver Spring, MD.

NOAA. 2001. NOAA FISHERIES COLLECTS RECREATIONAL FISH DATA IN HAWAII:

Hawaiians to Participate in National Survey. NOAA 2001-R129.

<http://www.publicaffairs.noaa.gov/releases2001/aug01/noaa01r129.html>.

Noda, Edward K. and Associates (Noda). 1992. *Nearfield and farfield plume analysis - Sand Island outfall system*. Prepared for the City & County of Honolulu Department of the Corporation Counsel.

Noda, Edward K. and Associates (Noda). 1989. *Ke'ehi Lagoon recreation plan. Final environmental impact statement*. Prepared for Department of Transportation, State of Hawaii. var. pagination+appendices.

Noda, Edward K. and Associates (Noda). 1994. *Nearfield and farfield plume analysis Sand Island outfall system 301(hj) waiver reapplication*. Prepared for Barrett Consulting Group.

Noda, Edward K. and Associates (Noda). 1993. Written evidentiary hearing testimony - City & County of Honolulu's Honouliuli treatment plant Docket No. NPDES-09-92-0001. Prepared for Department of the Corporation Counsel, City & County of Honolulu, and submitted to the U.S. Environmental Protection Agency. (Evidentiary Hearing Testimony). June 22.

Noda, Edward K. and Associates (Noda). 1999. Sand Island Chlorination Study; Sand Island Ocean Outfall; Oahu, Hawaii. April 1999.

North, Wheeler S. 1963. *An ecological study of the kelp beds in the vicinity of Canyon De Las Encinas, San Diego County*. A Mimeo Final Report To the State Water Pollution Control Board, Standard Agreement 12-12.

Nowell, A.R.M., P.J. Jumars, and J.E. Eckman. 1981. Effects of biological activity on the entrainment of marine sediments. *Mar. Geol.* 42: 133-153.

Nriagu, J. O. and M. S. Simmons (Eds), 1990. *Food Contamination from Environmental Sources*. J. Wiley and Sons, New York, NY.

OCSD. 1998a. Annual Report, July 1996-June 1997. Marine Monitoring. Fountain Valley, CA.

OCSD. 1996. Annual Report, July 1994-June 1995. Marine Monitoring. Fountain Valley, CA.

OCSD. 2000. Annual Report, July 1998-June 1999. Marine Monitoring, Fountain Valley, CA.

OCSD. 1999b. Orange County Sanitation District Core Monitoring Program. Quality Assurance and Project Plan (QAPP), Phase II, Year 2 (1999-2000). 15 sects. + 1 appendix.

OCSD. 1999a. Annual Report, July 1997-June 1998. Marine Monitoring, Fountain Valley, CA.

OCSD. 2001. Annual Report, July 1999-June 2000. Marine Monitoring, Fountain Valley, CA.

OCSD. 1997. Annual Report, July 1995-June 1996. Marine Monitoring. Fountain Valley, CA.

OCSD. 1996. Annual Report, July 1994-June 1995. Marine Monitoring. Fountain Valley, CA.

Oda, D.K. and J.D. Parrish. 1981. Ecology of commercial snappers and groupers introduced to Hawaiian reefs. *Proc. 4th International Coral Reef Symp.* 1: 59-67.

Odgen, J.C. and J.P. Ebersole. 1981. Scale and community structure of coral reef fishes: a long-term study of a large artificial reef. *Mar. Ecol. Prog. Ser.* 4:97-104.

OI Consultants, Inc. 1986. *Survey off the water quality, benthic habitat and infaunal populations for Keehi Lagoon, Hickam Harbor and marine pond, Honolulu international airport.* Prepared for KFC Airport, Inc., Honolulu, HI.

Olsen, Lawrence A., Ph.D. 1984. *Effects of Contaminated Sediment on Fish and Wildlife: Review and Annotated Bibliography.* National Coastal Ecosystems Team, U.S. Fish and Wildlife Service, April.

Olson, T.A. and F.J. Burgess. 1967. *Pollution and marine ecology.* Interscience Publishers, New York.

Onizuka, Eric W. 1995. Personal Communication with Kris Lindstrom and letter of transmittal on commercial marine life landings. State of Hawaii, Department of Land and Natural Resources, Division of Aquatic Resources. August 14.

Parker, R.H. 1975. *The study of benthic communities.* Elsevier, Amsterdam,.

Parsons Hawaii. 1979. *Honolulu International Airport reef runway post-construction environmental impact report.* vol. 2, technical report. Prepared for Department of Transportation, State of Hawaii, HI.

Pastor, A. et. al. 1994. Levels of Heavy Metals in Some Marine Organisms from Western Mediterranean Area (Spain). *Mar. Poll. Bull. (G. B.)*. 28, 50.

Pastor, A. et. al. 1994. Levels of Heavy Metals in Some Marine Organisms from Western Mediterranean Area (Spain). *Mar. Poll. Bull. (G. B.)*. 28, 50.

Pastorok, R.A. and G.R. Bilyard. 1985. Effects of sewage pollution on coral-reef communities. *Marine Ecology Progress Series*.

Patterson, C. and D. Settle. 1977. Comparative distribution of alkalies, alkaline earths and lead among major tissues of tuna *Thunnus alalunga*. *Marine Biology* 39: 289-295.

Pearson, T.H. and R. Rosenberg. 1978. Macrobenthic succession in relation to organic enrichment and pollution of the marine environment. *Oceanogr. Mar. Biol. Ann. Rev.* 16:229-311.

Pearson, T.H. and S.O. Stanley. 1979. Comparative measurement of the redox potential of marine sediments as a rapid means of assessing the effect of organic pollution. *Marine Biology* 53:371-379.

Pearson, T.H. 1987. Benthic ecology in an accumulating sludge-disposal site, in oceanic processes in marine pollution. *In Biological Processes and Wastes in the Ocean*, vol. 1, eds. J.M. Capuzzo and D.R. Kester. Robert E. Krieger Publishing Co., Malabar, FL.

Pearson, T.H., A.B. Josefson, and R. Rosenberg. 1985. Peterson's benthic stations revisited. I. Is the Kattegat becoming eutrophic? *J. Exp. Mar. Biol. Ecol.* 92:157-206.

Pentreath, R. J. 1973. The accumulation and retention of ^{65}Zn and ^{54}Mn by the plaice, *Pleuronectes platessa* L. *J. Exp. Mar. Biol. Ecol.* 12: 1-18.

Perkins, P. S. and R. Gartman. 1997. Host-parasite relationship of the copepod eye parasite, *Phrixocephalus cincinnatus*, and Pacific sanddab (*Citharichthys sordidus*) collected from wastewater outfall areas. *Bull. Southern Calif. Acad. Sci.* 96:87-104.

Perkins, P. S. and R. Gartman. 1997. Host-parasite relationship of the copepod eye parasite, *Phrixocephalus cincinnatus*, and Pacific sanddab (*Citharichthys sordidus*) collected from wastewater outfall areas. *Bull. Southern Calif. Acad. Sci.* 96:87-104.

Pickard, G.L. 1963. *Descriptive physical oceanography*. Pergamon Press, Oxford.

Pielou, E.C. 1984. *The interpretation of ecological data: a primer on classification and ordination*. New York.

Pihl, L., S.P. Baden and R.J. Diaz. 1991. Effects of periodic hypoxia on distribution of demersal fish and crustaceans. *Mar. Biol.* 108: 349-360.

Pihl, L., S.P. Baden, R.J. Diaz, and L.C. Schuffner. 1992. Hypoxia-induced structural changes in the diet of bottom feeding fish and crustacea. *Mar. Biol.* 112: 349-361.

Pirie, D.M., M.J. Murphy, and J.R. Edimisten, 1974. California nearshore surface currents. *Proceeding NASA Earth Resources Survey Symposium*, vol. 2-3, p. 195-216. Houston, TX. June.

Pitman, R.L., 1990. Pelagic distribution and biology and sea turtles in the eastern tropical Pacific. Pages 143-148 in Richardson, T.H., J.I. Richardson and M. Donnelly, editors. Tenth Annual Workshop on Sea Turtle Biology and Conservation. U.S. Dep. Commer, Miami.

Pollack, G.A., I.J. Uhaa, A.M. Fan, J.A. Wisniewski, and I. Witherell. 1991. *A study of chemical contamination of marine fish from Southern California II. Comprehensive Study.* California Environmental Protection Agency, Office of Environmental Health Hazard Assessment.

Pollock, G.A., I.J. Uhaa, A.M. Fan, J.A. Wisniewski, and I. Witherell. 1991. *A study of Chemical Contamination of Marine Fish From Southern California II. Comprehensive Study.* California Environmental Protection Agency, Office of Environmental Health Hazard Assessment.

Polovina, J.J., D.R. Kobayashi, D.M. Parker, M.P. Seki and G.H. Balazs. 2000. Turtles on the edge: movement of loggerhead turtles (*Caretta carreta*) along oceanic fronts, spanning longline fishing grounds in the central North Pacific, 1997-1998. *Fish. Oceanogr.* 9:71-82.

Pooley, S.G. 1993. Hawaii's marine fisheries---some history, long-term trends, and recent developments. *Marine Fisheries Review* 55(2):7-19.

Portmann, J. E. 1975. The bioaccumulation and effects of organochlorine pesticides in marine animals. *Proc. R. Soc. Lond. B* 189: 291-304.

Portmann, J.E. 1975. The bioaccumulation and effects of organochlorine pesticides in marine animals. *Proc. R. Soc. Lond.* 189:291-304.

PTI Environmental Services, Inc., 1987. Guidance Manual for Assessing Human Health Risks from Chemically Contaminated Fish and Shellfish: Executive Summary. Draft Report to Battelle New England Marine Research Laboratory for the U.S. EPA Office of Marine and Estuarine Protection. September.

PTI Environmental Services, Inc. 1987. *Guidance manual for assessing human health risks from chemically contaminated fish and shellfish: executive summary*. Draft Report to Battelle New England Marine Research Laboratory for the U.S. EPA Office of Marine and Estuarine Protection. September.

PTI Environmental Services. 1987. *Guidance manual for assessing human health risks for chemically contaminated fish and shellfish*. Prepared for U.S. Environmental Protection Agency, Office of Marine and Estuarine Protection, Washington, D.C. PTI Environmental Services, Inc. Bellevue, WA.

Quanterra Environmental Services, 1995d. Analytical Results for the U.S. Geological Survey; Project Number: 040254. Unpublished report presented to the U.S. Army Corps of Engineers, Pacific Ocean Division, Fort Shafter Hawaii, and the U.S. Environmental Protection Agency, Region 9, San Francisco, California.

Quanterra Environmental Services, 1995k. Grain Size Results for the U.S. Geological Survey; Project Number: 043681 Unpublished report presented to the U.S. Army Corps of Engineers, Pacific Ocean Division, Fort Shafter Hawaii, and the U.S. Environmental Protection Agency, Region 9, San Francisco, California.

Quanterra Environmental Services, 1995f. Analytical Results for the U.S. Geological Survey; Project Number: 040345 Unpublished report presented to the U.S. Army Corps of Engineers, Pacific Ocean Division, Fort Shafter Hawaii, and the U.S. Environmental Protection Agency, Region 9, San Francisco, California.

Quanterra Environmental Services, 1995h. Analytical Results for the U.S. Geological Survey; Project Number: 042911, July 20, 1995, Unpublished report of analytical results from the 1995 sampling survey, presented to the U.S. Geological Survey, the U.S. Army Corps of Engineers, Pacific Ocean Division, Fort Shafter Hawaii, and the U.S. Environmental Protection Agency, Region 9, San Francisco, California.

Quanterra Environmental Services, 1995g. Grain Size Results for the U.S. Geological Survey; Project Number: 040791 Unpublished report presented to the U.S. Army Corps of Engineers, Pacific Ocean Division, Fort Shafter Hawaii, and the U.S. Environmental Protection Agency, Region 9, San Francisco, California.

Quanterra Environmental Services, 1995e. Analytical Results for the U.S. Geological Survey; Project Number: 040340. Unpublished report presented to the U.S. Army Corps of Engineers, Pacific Ocean Division, Fort Shafter Hawaii, and the U.S. Environmental Protection Agency, Region 9, San Francisco, California.

Quanterra Environmental Services, 1995j. Analytical Results for the U.S. Geological Survey; Project Number: 043111 Unpublished report presented to the U.S. Army Corps

of Engineers, Pacific Ocean Division, Fort Shafter Hawaii, and the U.S. Environmental Protection Agency, Region 9, San Francisco, California.

Quanterra Environmental Services, 1995i. Analytical Results for the U.S. Geological Survey; Project Number: 042987 Unpublished report presented to the U.S. Army Corps of Engineers, Pacific Ocean Division, Fort Shafter Hawaii, and the U.S. Environmental Protection Agency, Region 9, San Francisco, California.

Quanterra Environmental Services, 1995c. Analytical Results for the U.S. Geological Survey; Project Number: 040253. Unpublished report presented to the U.S. Army Corps of Engineers, Pacific Ocean Division, Fort Shafter Hawaii, and the U.S. Environmental Protection Agency, Region 9, San Francisco, California.

Quanterra Environmental Services, 1995b. Analytical Results for the U.S. Geological Survey; Project Number: 040250 Unpublished report presented to the U.S. Army Corps of Engineers, Pacific Ocean Division, Fort Shafter Hawaii, and the U.S. Environmental Protection Agency, Region 9, San Francisco, California.

Quanterra Environmental Services, 1995a. Analytical Results for the U.S. Geological Survey; Project Number: 040249. Unpublished report presented to the U.S. Army Corps of Engineers, and the U.S. Environmental Protection Agency, Region 9, San Francisco California.

Quast, A.C. 1969. Some physical aspects of the inshore environment particularly as it affects kelp bed fishes, p. 25-34. eds. J. North Wheeler and Carl L. Grubb. Utilization of kelp-bed resources in southern California. California Department of Fish and Game. *Fish Bulletin* (139): 1-264.

R.M. Towill Corporation, 1972. Final Design Report, Sand Island Ocean Outfall System, Job No. 29-71, Prepared for the Division of Sewers, Department of Public Works, City and County of Honolulu, September 27, 1972.

Rand, G.M. and S.R. Petrocelli. 1985. *Fundamentals of aquatic toxicology: methods and applications*. Hemisphere Publishing Corporation.

Randall, J.E. 1980. New records of fishes from the Hawaiian Islands. *Pac. Sci*, 34: 211-232.

Randall, J.E. 1985. *Guide to hawaiian reef fishes*. Harrowood Books. Newtown Square, Pennsylvania. 74pp+index 204 full-color plates.

Randall, J.E. 1987. Introductions of marine fishes to the Hawaiian Islands. *Bulletin Marine Science* 41: 490-502.

Reish, D.J. 1986. Benthic invertebrates as indicators of marine pollution: 35 years of study. In *Oceans 86 Conference Record* vol. 3. Monitoring Strategies, pp. 885-888, Institute of Electrical and Electronic Engineers, Piscataway, NJ.

Reish, D.J. 1959. Allan Hancock Found. Publs. Occas. Paper, 22: 1-119.

Renfro, W. C., S. W. Fowler, M. Heyraud and J. La Rosa. 1975. Relative importance of food and water in long-term zinc⁶⁵ accumulation by marine biota. *J. Fish. Res. Board Can.* 32: 1339-1345.

Renfro, W.C., S.W. Fowler, M. Heyraud, and J. LaRosa. 1975. Relative importance of food and water in long-term zinc⁶⁵ accumulation by marine biota. *J. Fish Res. Board Can.* 32:1339-1345.

Rhoads, D.C. and J.D. Germano. 1982. Characterization of organism-sediment relations using sediment profile imaging: an efficient method of remote ecological monitoring of the seafloor (Remots System). *Mar. Ecol. Prog. Ser.* 8: 115-128.

Rick Gaffney and Associates, Inc. 2000. Evaluation of the Status of the Recreational Fishery for Ulua in Hawai'i and Recommendations for Future Management. DAR Technical Report 20-02, Division of Aquatic Resources, Department of Land and Natural Resources, State of Hawaii, Honolulu.

Ricklefs, R.E. 1990. *Ecology*. W.H. Freeman, NY.

Risk, M.J. 1972. Fish diversity on a coral reef in the Virgin Islands. *Atoll Res. Bulletin* 153: 1-6.

Rizzuto, J. 1983. Fishing Hawaiian Style. Honolulu, Hawaii Fishing News.

Robertson, R. 1920. Review of the predators and parasites of stony corals with special reference to symbiotic prosobranch gastopods. *Pac. Sci.* 24:43.

Robinson, G.R. 1982. Otter trawl sampling bias of the gill parasite, *Lironeca vulgaris* (Isopoda, Cymothiodae), from sanddab hosts, *Citharichthys* spp. *Fish Bull.* 80(4):907-909.

Robinson, G.R. 1982. Otter trawl sampling bias of the gill parasite, *Lironeca vulgaris* (Isopoda, Cymothiodae), from sanddab hosts, *Citharichthys* spp. *Fish Bull.* 80(4):907-909.

Rogers, C.S. 1985. Deterioration of Caribbean coral reefs; a monitoring/management program for reefs in the Virgin Islands. *Fifth Congress Int. Recifs Coralliens, Tahiti* 2: 330.

Rogers, C.S. 1983. Sublethal and lethal effects of sediments applied to common Caribbean reef corals in the field. *Marine Pollution Bulletin* 14: 378-382.

Rosenberg, R., Gray, J.S., A.B. Josefson, and T.H. Pearson, T.H. 1987. Petersen's benthic stations revisited. II. Is the Oslofjord and Eastern Skagerrak enriched? *J. exp. mar. Biol. Ecol.* 105: 219-251.

Rosenberg, R. 1972. Benthic faunal recovery in a Swedish fjord following the closure of a sulphite pulp mill. *Oikos* 23: 92-108.

Rosenberg, R. 1973. Succession in benthic macrofauna in a Swedish fjord subsequent to the closure of a sulphite pulp mill. *Oikos* 24: 244-258.

Ruiter, Gary G. and Roger S. Fujioka. 1978. Human enteric viruses in sewage and their discharge into the ocean. *Water, Air and Soil Pollution*, 10:95-103.

Ruiter, Gary G. and Roger S. Fujioka, 1978. Human Enteric Viruses in Sewage and Their Discharge into the Ocean, Water, Air and Soil Pollution, Vol. 10, pp 95-103.

Russ, G.R. and A.C. Alcala. 1988. A direct test of the effects of protective management of a tropical marine preserve. South Pacific Commission. *Inshore Fish. Res.* BP29.

Russo, Anthony R. 1981. Transcript of dive in submersible (Dive 81-52.347) from 11:08 a.m. to 13:41 p.m. Observations of fish on the Barber's Point outfall, Oahu, Hawaii.

Russo, Anthony R. 1989. Fish community structure of a deep ocean outfall, Barber's Point, Oahu, Hawaii. *Int. Revue ges. Hydrobiol.* 74,5: 499-506.

Russo, Anthony R. 1985b. *Biomonitoring of deep ocean outfalls in Hawaii: submersible dives, April 1985, Barber's Point sewer outfall, Oahu, Hawaii.* Water Resources Research Center, University of Hawaii at Manoa, Honolulu, Hawaii. Letter report.

Russo, Anthony R. 1986. *Fish community structure on a deep ocean outfall, Barber's Point, Oahu, Hawaii.* Water Resources Research Center, University of Hawaii, Honolulu, HI. Special Rept. No. 11:86.

Russo, A.R., E.A. Kay, J.H. Bailey-Brock, and W.J. Cooke. 1988. *Benthic faunal sampling adjacent to Sand Island ocean outfall, O'ahu, Hawai'i.* Spec. Rept. No. 6, 12:88. Water Resources Research Center, University of Hawaii, Honolulu, HI.

Russo, Anthony R. 1985a. *SCUBA survey of shallow Barbers Point station (BP10)*. Water Resources Research Center, University of Hawaii, Honolulu, Hawaii. Letter report dated May 2, 1985, to George Richardson, Division of Wastewater Management, City & County of Honolulu.

R.M. Towill Corporation. 1974b. (Revised April 1976). *Oceanographic data collection and analysis, Barbers Point ocean outfall system, Honouliuli, Oahu, Hawaii*. Vol 1. Prepared for the Department of Public Works, City & County of Honolulu. July.

R.M. Towill Corporation. 1974a. Draft preliminary outfall design report (see Towill 1976).

R.M. Towill Corporation. 1972. *Final design report, Sand Island ocean outfall system, job no. 29-71*. Prepared for the Division of Sewers, Department of Public Works, City & County of Honolulu, September 27.

R.M. Towill Corporation. 1976. *Final design report, Barbers Point ocean outfall system, Honouliuli, Oahu, Hawaii*. Prepared for the Department of Public Works, City & County of Honolulu. July.

Saila, S.B. and P.M. Roedel. 1979. *Stock assessment for tropical small-scale fisheries*. International Center for Marine Resource Development, University of Rhode Island, Kingston.

Sakamoto, M.R. 1985. *Pacific Shore Fishing*. Honolulu, University of Hawaii Press.

Salamanca, M.A., L. Chuecas and F. Carrasco. 1986. Heavy metals in surface sediments from three embayments of Central South Chile. *Marine Pollution Bulletin* 12.

Sale, P.J. 1977. Maintenance of high diversity in coral reef fish communities. *Am. Nat.* 111: 337-359.

San Diego Metro Wastewater Program (City of San Diego). 1995. *Application for modification of secondary treatment requirements*. Section 301(h), Public Law, 95-217.

Sanders, H., R. Hessler, and G. Hampson. 1965. An introduction to the study of deep-sea benthic faunal assemblages along the Gay Head-Bermuda transect. *Deep Sea Res.* 12: 845-867.

SCCWRP (Southern California Coastal Water Research Project). 1973. *The Ecology of Southern California Bight: Implications for Water Quality Management*. Report TR104. El Segundo, CA. 531 pp.

SCCWRP. 1990. Southern California Coastal Water Research Project Annual Report 1989-1990, eds. J.N. Cross and D.M. Wiley. 102 pp.

SCCWRP. 1992. 1990 Reference Site Survey. Draft Tech. Rpt. #355, July 1992. Long Beach, CA. 58 pp.

SCCWRP. 1989. Annual Report 1988-1989. Long Beach, CA. 90 pp.

Schroeder, P. R. and M. R. Palmero, 2000. Long-term management strategy for dredged material disposal for naval facilities at Pearl Harbor, Hawaii. Phase 1 - Formulation of preferred disposal and management strategies. U. S. Army Corps of Engineers - Engineering Research and Development Center, Vicksburg, MS. Prepared for U. S. Navy. ERDC/EL SR-00-3. February. 155p.

Scott, D.B. and F.S. Medioli. 1980. Living vs. total foraminiferal populations: their relative usefulness in paleoecology. *J. Paleont.* 54: 814-831.

Scott, E.B. 1968. *The saga of the Sandwich Islands*. Sierra Tahoe Publishing Co., Crystal Bay, Lake Tahoe, NV.

Scura, E.C. and G.H. Theilacher. 1977. Transfer of the chlorinated hydrocarbon PCB in a laboratory food chain. *Mar. Bulletin* 40:317-325.

Scura, E. C. and G. H. Theilacher. 1977. Transfer of the chlorinated hydrocarbon PCB in a laboratory food chain. *Mar. Bull.* 40: 317-325.

Sherwood, M. J. 1982. Fin erosion, liver condition, and trace contaminant exposure in fishes from three coastal regions. Pp. 359-377 *In* Mayer, G. F. (ed.). *Ecological Stress and the New York Bight: Science and Management*. Estuarine Research Federation, Columbia, SC. 715 pp.

Sherwood, M.J. 1978. The Fin Erosion Syndrome. *In Coastal Water Research Project Annual Report*, ed. W. Bascom. SCCWRP, Long Beach, CA. p. 203-221

Sherwood, M.J. 1982. Fin erosion, liver condition, and trace contaminant exposure in fishes from three coastal regions. *In Ecological Stress and the New York Bight: Science and Management*, ed. G.F. Mayer. Estuarine Research Federation, Columbia, SC: 359-377.

Shinn, E. 1972. *Coral reef recovery in Florida and the Persian Gulf*. Environmental Conservation Dept., Shell Oil Co., Houston, TX (cited in Grigg and Dollar, 1990).

Shomura, R.S. 1987. *Hawaii's marine fishery resources: yesterday (1900) and today (1986)*, Southwest Fisheries Center, NMFS Honolulu, Laboratory Administrative Rept, H-87-21,

Shulman, M.J., J.C. Ogden, J.P. Ebersole, W.N. McFarland, S.L. Miller and N.G. Wolf. 1983. Priority effects in the recruitment of juvenile coral reef fishes. *Ecology* 64: 1508-1513.

Shulman, M.J. 1984. Resource limitation and recruitment patterns in a coral reef fish assemblage. *J. Exp. Mar. Biol. Ecol.* 74: 85-109.

Skarheim, H.P. 1973. Tables of the fraction of ammonia in the undissociated form for pH 6-9, temperature 0-30 C, TDS 0-3000 mg/l, and salinity 5-35 g/kg. Sanitary Engineering Research Laboratory, College of Engineering, School of Public Health, University of California, Berkeley. SERL Report No. 73-5.

Smith, S.V. and S.J. Dollar. 1986. *Responses of the benthic ecosystem to deep ocean sewage outfalls in Hawaii: a nutrient cycling approach to biological impact assessment and monitoring*. EPA Report.

Smith, M.K. 1993. An ecological perspective on inshore fisheries in the main Hawaiian Islands. *Marine Fisheries Review* 55(2):34-49.

Smith, K.L., Jr. 1974. Oxygen demands of San Diego Trough sediments: An in situ study. *Limnol. Oceanogr.* 19: 939-944.

Smith, S.V., W.J. Kimmerer, E.A. Laws, R.E. Brock and T.W. Walsh. 1982. Kaneohe Bay sewage diversion experiment: perspectives on ecosystem responses to nutritional perturbation. *Pacific Science* 35: 279-397.

Smith, P.E. and R.W. Eppley. 1981. Primary production and the anchovy population in the Southern California bight: comparison of time series. *Limnol. Oceanogr.*, 27: 1-17.

Smith, R.L. 1968. Upwelling. *In Oceanography and Marine Biology*. ed. H. Barnes. Annual Review. vol. 6, George Allen and Unwin, Ltd., London.

Smith, R.M. and C.F. Cole. 1973. Effects of egg concentrations of DDT and dieldrin on development in winter flounder (*Pseudopleuronectes americanus*). *J. Fish Res. Board Can.* 30: 1894-1898.

Smith, R. M. and C. F. Cole. 1973. Effects of egg concentrations of DDT and dieldrin on development in winter flounder (*Pseudopleuronectes americanus*). *J. Fish. Res. Board Can.* 30: 1894-1898.

Sokal, R.R., and F.J. Rohlf. 1981. *Biometry*. 2nd ed. San Francisco: W. H. Freeman.

Soule, J.D., D.F. Soule, and H.W. Chaney. 1987. Phyla Entoprocta and Bryozoa (Ectoprocta). Pp.83-166. In *Reef and shore fauna of Hawaii*. eds. D.M. Devaney, and L.G. Eldredge. Bishop Museum Special Publication 64 (2 and 3). Honolulu, HI.

Southern California Coastal Water Resources Project. 1987. 1986 Annual Report. SCCWRP, Long Beach, CA. 56 pp.

Southern California Coastal Water Research Project (SCCWRP). 1973. The ecology of Southern California bight: implications for water quality management. Report TR104. El Segundo, CA.

Southern California Coastal Water Research Project (SCCWRP). 1989. *Annual report 1988-1989*. Long Beach, CA.

Southern California Coastal Water Research Project (SCCWRP). 1990. *Southern California coastal water research project annual report 1989-1990*, eds. J.N. Cross and D.M. Wiley.

Southern California Coastal Water Research Project (SCCWRP). 1992. *1990 reference site survey*. Draft Tech. Rpt. #355, July. Long Beach, CA.

Southern California Coastal Water Resources Project. 1987. 1986 Annual Report. SCCWRP, Long Beach, CA. 56 pp.

Southern California Coastal Water Research Project (SCCWRP). 1977. Refers to Southern California Coastal Water Research Project 1977 Annual Report.

Spies, R. B., D. W. Rice, B. D. Andresen, J. S. Felton and M. Diaz. 1986. Developmental success and contaminant exposure in *Platichthys stellatus* from San Francisco Bay: Final Report Year 3. Lawrence Livermore Laboratory, Livermore, CA. Report prep. for NOAA, Seattle, WA.

Spies, R.B. 1984. Benthic-pelagic coupling in sewage affected marine ecosystems. *Mar. Environ. Res.* 13(3): 195-230.

Spies, R.B., D.W. Rice, B.D. Andersen, J.S. Felton, and M. Diaz. 1986. *Developmental success and contaminant exposure in Platichthys stellatus from San Francisco Bay: Final Report Year 3*. Lawrence Livermore Laboratory, Livermore, CA. Report prepared for NOAA, Seattle, WA.

Squire, J.L., Jr., and S.E. Smith. 1977. *Angler's guide to the United States Pacific Coast*. National Oceanic and Atmospheric Administration.

State Water Resources Control Board 1990. California Ocean Plan. Resolution No. 90-27.

State Water Resources Control Board 1977 through 1991. State Mussel Watch Program Database.

State Water Resources Control Board. 1989. State of California Water Quality Assessment. February.

Stearns, Harold T. 1985. *Geology of the state of Hawaii*. Pacific Books, Palo Alto, CA.

Stehr, C. M., M. S. Myers, D. G. Burrows, M. M. Krahn, J. P. Meador, B. B. McCain, and U. Varanasi. 1997. Chemical contamination and associated liver diseases in two species of fish from San Francisco Bay and Bodega Bay. *Ecotoxicology* 6:35-65.

Stehr, S.M., L. L. Johnson, and M. S. Myers. 1998. Hydropic vacuolation in the liver of three species of fish from the U. S. West Coast: Lesion description and risk assessment associated with contaminant exposure. *Dis. Aquat. Org.* 32:119-135.

Stehr, C. M., M. S. Myers, D. G. Burrows, M. M. Krahn, J. P. Meador, B. B. McCain, and U. Varanasi. 1997. Chemical contamination and associated liver diseases in two species of fish from San Francisco Bay and Bodega Bay. *Ecotoxicology* 6:35-65.

Stehr, S.M., L. L. Johnson, and M. S. Myers. 1998. Hydropic vacuolation in the liver of three species of fish from the U. S. West Coast: Lesion description and risk assessment associated with contaminant exposure. *Dis. Aquat. Org.* 32:119-135.

Steimle, F., J. Caracciolo, and J.B. Pearce. 1982. Impacts of dumping on New York bight. *In Ecological Stress and the New York Bight: Science and Management*, ed. G.F. Mayer, pp. 213-233, Estuarine Research Federation. Columbia, SC.

Stoddart, D.R. 1963. Effects of Hurricane Hattie on the British Honduras reefs and cays, October 30-31, 1961. *Atoll Res. Bulletin* 95: 1-142.

Stoddart, D.R. 1969. Ecology and morphology of recent coral reefs. *Biol. Rev.* 44: 433-498.

Stoddart, D.R. 1965. Re-survey of the hurricane effects on the British Honduras reefs and cays. *Nature* 207: 569-592.

Stull, J.K., C.I. Haydock, R.W. Smith, and D.E. Montagne. 1986. Long-term changes in the benthic community on the coastal shelf of Palos Verdes, Southern California. *Marine Biology* 91: 539-551.

Stull, J.K., C.I. Haydock, and D.E. Montagne, 1986. Effects of *Listrolobus pelodes* (Echiura) on coastal shelf benthic communities and sediments modified by a major California wastewater discharge. *Estuarine Coastal Shelf. Sc.* 22(1): 1-17.

STV/Lyon Associates, 1993. *Honouliuli annual assessment report*. Prepared for City & County of Honolulu Department of Public Works Division of Wastewater Management in association with RMC Environmental Services and Environmental Standards, Inc.

Sumich, J.L. and J.E. McCauley. 1973. Growth of a sea urchin, *Allocentrotus fragilis*, off the Oregon coast. *Pac. Sci.* 27(2): 156-167.

Swartz, R. C., W.G., J.H. Bailey-Brock, W.J. Cooke, and E.A. Kay. 1999. *Benthic faunal sampling adjacent to Sand Island Ocean Outfall, Oahu, Hawaii, August 1998*. Water Resources Research Center, University of Hawaii at Manoa, Honolulu, HI. Project Rept.-99-10. 172 pp. (1998 Sand Island Benthic Sampling Report)

Swartz, R. C., W.G., J.H. Bailey-Brock, W.J. Cooke, and E.A. Kay. 2000. *Benthic faunal sampling adjacent to Sand Island Ocean Outfall, Oahu, Hawaii, September-October 1999*. Water Resources Research Center, University of Hawaii at Manoa, Honolulu, HI. Project Rept.-PR-2000-06. 172 pp. (1998 Sand Island Benthic Sampling Report)

Swartz, R. C., W.G., J.H. Bailey-Brock, W.J. Cooke, and E.A. Kay. 1998. *Benthic faunal sampling adjacent to Sand Island Ocean Outfall, Oahu, Hawaii, August 1997*. Water Resources Research Center, University of Hawaii at Manoa, Honolulu, HI. Project Rept. PR-98-08. 170 pp. (1997 Sand Island Benthic Sampling Report)

Swartz, R. C., W.G., J.H. Bailey-Brock, W.J. Cooke, and E.A. Kay. 2001 *Benthic faunal sampling adjacent to Sand Island Ocean Outfall, Oahu, Hawaii, August 2000*. Water Resources Research Center, University of Hawaii at Manoa, Honolulu, HI., Project Rept.-2001-08. 225 pp. (2000 Sand Island Benthic Sampling Report)

Swartz, R.C., D.W. Schults, G.R. Ditsworth, and W.A. DeBen. 1984. Toxicity of sewage sludge to *Rhepoxynius abronius*, a marine benthic amphipod. *Arch. Environ. Contam. Toxicol.* 13: 207-216.

Swartz, R.C., W.A. DeBen, K.A. Sercu, and J.O. Lamberson. 1982. Sediment toxicity and the distribution of amphipods in Commencement Bay, Washington. *U.S.A. Marine Pollution Bulletin* 13(10): 359-364.

Swartz, R.C. 1972. *Biological criteria of environmental change in Chesapeake Bay*. Chesapeake Sci. Suppl., 17-'41.

Swartz, R.C., F.A. Cole, D.W. Schults, and W.A. DeBen. 1986. Ecological changes in the Southern California bight near a large sewage outfall: benthic conditions in 1980 and 1983. *Mar. Ecol. Prog. Ser.* 31:1-13.

Swartz, R.C., W.A. DeBen, and F.A. Cole. 1979. A bioassay for the toxicity of sediment to marine macrobenthos. *Journal of the Water Pollution Control Federation* 5(5): 944-950.

Swartz, R.C. 1978. *Techniques for sampling and analyzing the marine benthos*. U.S. Environmental Protection Agency, Doc. 600/3-789-030. Corvallis Environ. Res. Lab., Corvallis, OR.

Sweeney, M.D. and A.S. Naidu. 1989. Heavy metals in sediments of the inner shelf of the Beaufort Sea, Northern Arctic Alaska. *Marine Pollution Bulletin* 20: 140-143.

Sweeney, R.E., E.K. Kalil, and I.R. Chaplain. 1980. Characterization of domestic and industrial sewage in Southern California coastal marine sediments using nitrogen, carbon, sulfur and uranium tracers. *Marine Environmental Resources* 3: 225-243.

Tariq, J., et. al. 1991. Concentration Correlations Between Major Cations and Heavy Metals in Fish from the Arabian Sea. *Mar. Poll. Bull. (G. B.)*. 22, 562

Tetra Tech, Inc. 1985b. *Recommended biological indices for 301(h) monitoring programs*. Final Report TC-3953-03, EPA Contract 68-01-6938, September.

Tetra Tech, Inc. 1980. *Draft technical review report for Honouliuli wastewater treatment facility section 301(h) application for modification of secondary treatment requirements for discharge into marine waters*. Prepared for U.S. Environmental Protection Agency. Bellevue, WA. August.

Tetra Tech, Inc., 1977. Ocean disposal of harbor dredged materials in Hawaii, final report prepared for US Army Corps of Engineers, Pacific Ocean Division: Tetra Tech Report: TC 852, 151 p.

Tetra Tech, Inc. 1982. *Revised section 301(h) technical support document*. Prepared for Office of Water Program Operations, U.S. EPA. EPA 430/9-82-011. November.

Tetra Tech, Inc. 1987. *Technical review of the Honouliuli wastewater treatment plant section 301(h) application for modification of secondary treatment requirements for discharge into marine waters*. Unpub. tech. rept. for U.S. Environmental Protection Agency. Tetra Tech, Inc. Bellevue, WA.

Thomann, R.V. 1981. Equilibrium model of fate of microcontaminants in diverse aquatic food chains. *Can. J. Fish. Aquatic Sci.* 38:280-296.

Thompson, Bruce E. 1982. Variation in benthic assemblages. In *Coastal Water Research Project Biennial Report for the years 1981-1982*, ed. W. Bascom.

Thompson, Bruce E., J.D. Laughlin, and D.T. Tsukada. 1987. *Reference site survey, 1985*. SCCWRP Technical Report #221. Long Beach, CA. SCCWRP.

Timbol, A.S. 1972. *Trophic ecology and macrofauna of the Kahana estuary, Oahu*. Ph.D. Dissertation, University of Hawaii, Honolulu, HI.

Titcomb, M. 1977. *Native use of fish in Hawaii*. University Press of Hawaii, Honolulu, HI.

Tomich, 1990. Mammals of Hawaii. 2nd Edition. *Bishop Museum Special Publication 76*. Bishop Museum Press, Honolulu, Hawaii.

Tont, S.A. 1987. Variability of diatom species populations: from days to years. *Journal Marine Research*, volume 45: 985-1006.

Torresan, M.E., Hampton, M. A., Gowen, M.H., Barber, J.H., Jr., Zink, L.L., Chase, T.E., Wong, F.L., Gann, J.T., and Dartnell, P., 1995. Final Report: Acoustic mapping of dredged spoil disposal sites and deposits in Mamala Bay, Honolulu, Hawaii: U.S. Geological Survey Open-File Report 95-17; presented to the U.S. Army Corps of Engineers and the U.S. Environmental Protection Agency, 53 p, 1 plate.

Torresan, M. E., Hampton, M.A., Barber, J., Field, M.E., Dartnell, P., and Gowen, M.H., 1993a. High-resolution acoustic mapping of dredge spoil deposits and disposal sites in Mamala Bay, Honolulu, Hawaii: Geological Society of America Abstracts with Programs, v. 25, no. 6. p. A-288.

Torresan, M.E. and Gardner, J.V., 2000. Acoustic mapping of the regional seafloor geology in and around Hawaiian ocean dredged-material disposal sites: U.S. Geological Survey Open-File Report 00-124, online version.

Torresan, M.E., and J.V.Gardner. 2000. Acoustic Mapping of the Regional Seafloor Geology in and Around Hawaiian Ocean Dredged-Material Disposal Sites, U.S. Geological Survey Open-file Report 00-124.

Torresan, M.E., Hampton, M.A., Barber, J.H., Jr., and Wong, F.L., 1995. K-1-95-HW: Cruise report 1995 Preliminary results Phase III: sediment chemistry and biological sampling survey: U.S. Geological Survey Open-File Report 95-839, 94 p.

Torresan, M.E., Hampton, M.A., Gowen, M.H., Barber, J., and Dartnell, P., 1993b. Acoustic mapping of dredge spoil deposits and disposal sites, in Mamala Bay, Oahu: EOS Transactions, v. 74, no. 43, p. 343.

Torresan, M.E., Hampton, M.A., Gowen, M.H., Barber, Jr., J.H., Zink, L.L., Chase, T.E., Wong, F.L., Gann, J.T., and Dartnell, P., 1995. Final report: acoustic mapping of dredged material disposal sites and deposits in Mamala Bay, Honolulu, Hawaii: U.S. Geological Survey Open-file Report 95-17, 53 p., 1 map, scale 1:40,000.

Torresan, M.E., Hampton, M. A., Gowen, M.H., Barber, J.H., Jr., Chase, T.E., Zink, L.L., and Dartnell, P., 1994a. Acoustic mapping of dredged spoil disposal sites and deposits in Mamala Bay, Honolulu, Hawaii: U.S. Geological Survey Administrative Report; presented to the U.S. Army Corps of Engineers and the U.S. Environmental Protection Agency, 56 p.

Torresan, M.E., Barber, J.H., Jr., Hampton, M. A., Dartnell, P., Chezar, H., McLaughlin, M.W., Gowen, M.H., and Zink, L.L., 1994b. Ground truthing high-backscatter dredged material deposits in Mamala Bay, Honolulu, Hawaii: EOS Transactions, v. 75, no. 44, p. 319.

Turner, C.H., E.E. Ebert, and R.R. Given. 1969. Man-Made Reef Ecology. *California Dept. of Fish Game Fishery Bulletin* 140: 1-85.

U.S. Department of Commerce, National Weather Bureau., 1962. Rainfall Frequency Atlas of the Hawaiian Islands. Technical Paper No. 43, Washington, D.C.

U.S. Environmental Protection Agency. Bacteriological Ambient Water Quality Criteria for Marine and Fresh Recreational Waters, Office of Research and Development, Microbiology and Toxicology Division, Cincinnati, Ohio and Office of Water Regulations and Standards Division, Washington, D.C., 1986.

U.S. Environmental Protection Agency. 1988. Integrated Risk Information System (IRIS). Chemical Database.

U.S. Environmental Protection Agency (USEPA). 1982a. *Fate of priority pollutants in publicly owned treatment works*. EPA 440/182/303. U.S. EPA Office of Water, Effluent Guidelines Division, Washington, D.C. Prepared by Burns and Roe Industrial Services Corporation.

U.S. Environmental Protection Agency (USEPA). 1986. *Bacteriological ambient water quality criteria for marine and fresh recreational waters*. Office of Research and Development, Microbiology and Toxicology Division, Cincinnati, Ohio, and Office of Water Regulations and Standards Division, Washington, D.C.

U.S. Environmental Protection Agency (USEPA). 1984. Report on the implementation of section 301(h). Office of Water Program Operations, EPA 430/9-84-007. August.

U.S. Environmental Protection Agency (USEPA). 1983. *Results of the nationwide urban runoff program, volume 1 -- final report*. Water Planning Division, Washington, D.C., December.

U.S. Food and Drug Administration, Bureau of Foods. 1985. *Action levels for poisonous or deleterious substances in human food and animal feed*. U.S. F.D.A., Washington, D.C.

U.S. Environmental Protection Agency (USEPA). 1994. *Amended section 301(h) technical support document*. Office of Water Quality. EPA-842-B-94-007, Washington, D.C. September.

U.S. Environmental Protection Agency (USEPA). 1993. *Proposed technical basis for deriving sediment quality criteria for nonionic contaminants for the protection of benthic organisms by using equilibrium partitioning criteria*. Office of Water, EPA 822-R-93-011. Washington, D.C.

U. S. Environmental Protection Agency. 1990. *Specifications and Guidance for Obtaining Contaminant-Free Sample Containers*. U.S. Environmental Protection Agency, OSWER Directive #93240.0-05.

U. S. Environmental Protection Agency. 1995. *National Toxics Rule*. 40 CFR Part 131. U.S. Environmental Protection Agency.

U.S. Environmental Protection Agency (USEPA). 1991. *Portraits of our coastal waters - supplement to the national water quality inventory*. Report from the EPA Regions. Office of Water, EPA 503/2-91-04. June.

U.S. Environmental Protection Agency/U.S. Army Corps of Engineers (USEPA/USACE). 1991. *Evaluation of dredged material proposed for ocean disposal*. EPA-503/8-91/001, February.

U.S. Environmental Protection Agency (USEPA). 1987d. *Guidance for conducting fish liver histopathological studies during 301(h) monitoring*. EPA 430/09-87-004, Office of Marine and Estuarine Protection, U. S. Environmental Protection Agency, Washington, D.C..

U.S. Environmental Protection Agency (USEPA). 1987c. *Recommended biological indices for 301(h) monitoring programs*. Office of Marine and Estuarine Protection, EPA 430/9-86-002.

U.S. Environmental Protection Agency (USEPA). 1987b. *Quality assurance and quality control (QA/QC) for 301(h) monitoring programs: Guidance on field and laboratory methods*. EPA 430/9-86-004, Office of Marine and Estuarine Protection, U.S. Environmental Protection Agency.

U.S. Environmental Protection Agency (USEPA). 1987a. *Quality criteria for water 1986*. EPA 440/5-86-001. May. (Referred to as the Gold Book).

U.S. Environmental Protection Agency (USEPA). 1989. *Summary of toxic-impaired waterways and facilities that cause impairment under section 304(l) of the clean water act*. Office of Water Regulations and Standards. June.

U.S. Environmental Protection Agency, 2003. Web site with factsheet regarding cancellation of use of copper chromate arsenic (CCA) for wood treatment purposes for residential uses beginning in January 2004.
http://www.epa.gov/pesticides/factsheets/chemicals/residential_use_cancellation.htm#four)

U.S. Environmental Protection Agency (USEPA). 1982b. *Revised section 301(h) technical support document*. EPA-430-9-82-011. U.S. Environmental Protection Agency, Washington, D.C.

U.S. Environmental Protection Agency, 1980. Final Environmental Impact Statement for the Designation of Five Hawaiian Dredged Material Disposal Sites: Prepared by: U.S. Environmental Protection Agency; Oil and Special Materials Control Division; Marine Protection Branch, Washington D.C.

U.S. Army Corps of Engineers, Pacific Ocean Division; U.S. Environmental Protection Agency, Region IX, 1994. Interim regional implementation manual: Requirements and procedures for evaluation of the ocean disposal of dredged material in the state of Hawaii. 29p., 6 Tables; 3 appendices.

U.S. District Court for the District of Hawaii. 1993. Findings of Fact, Conclusions of Law, and Order - *Hawaii's Thousand Friends and Sierra Club vs. City & County of Honolulu*, Civil No. 90-00216 HMF and 91-00739 ACK (Consolidated). Ruling by Harold M. Fong, United States District Judge. April 27, 1993. Honolulu, Hawaii.

U.S. Environmental Protection Agency (USEPA). 1994. Amended section 301(h) technical support document. Office of Water. EPA 842-94-007. September.

U.S. Environmental Protection Agency (USEPA). 1988. Integrated Risk Information System (IRIS). Chemical Database.

U.S. Army Corps of Engineers. 1983. *A decade of ecological studies following construction of Honokohau small boat harbor, Kona, Hawaii*. U.S. Army Engineer District, Honolulu, HI.

U.S. Department of Commerce, National Weather Bureau. 1962. *Rainfall frequency atlas of the Hawaiian islands*. Technical Paper No. 43, Washington, D.C.

Uchida, R.N. 1966. The skipjack tuna fishery in Hawaii. *In Proceedings of the Governor's Conference on Central Pacific Fishery Resources*, ed. T.A. Manar. Honolulu, HI: 147-159.

Umbgrove, J.H.F. 1930. The end of Siuiter's coral reef at Krakatoa. *Leidse Geologische Mededelingen* 3: 261-264.

Unpublished user's guide prepared for Corvallis Environmental Research Laboratory, U.S. Environmental Protection Agency, Corvallis, Oregon. 111 p.

USFWS and NMFS. 1996. Habitat Conservation Planning and Incidental Take Permit Processing Handbook. Departments of Interior and Commerce, Washington, D.C.

USFWS, NMFS and Bureau of the Census. 1998. 1996 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation, Hawaii. FHW/96-HI,

Varanasi, U.S. et. al. 1988. *National benthic surveillance project: pacific coast. part I. summary and overview of the results for cycles I to III (1984-1986)*. NOAA Technical Memorandum NMFS F/NWC-156. Seattle, WA: National Marine Fisheries Service, NOAA.

Venkatesan, M.I. and I.R. Kaplan. 1988. Organic Geochemistry of Particulates and Sediments. *In Progr. Report to Dept. of Energy*. February.

Von Westernhagen, H., H. Rosenthal, V. Dethlefsen, W. Ernst, U. Harms and P.-D. Hansen. 1981. Bioaccumulating substances and reproductive success in Baltic flounder *Platichthys flesus* *Aquatic Toxicol.* 1: 85-99.

Vou Tsinou-Taliadouri, F. and J. Satsmadjis. 1983. Metals in polluted sediments from the Thermaikos Gulf, Greece. *Marine Pollution Bulletin* 14: 234-235.

Wacs, M.L. 1967. Biological and physiological basis of indicator organisms and communities. *In Pollution and Marine Ecology*, eds. F.J. Burgess and T.A. Olson. pp. 271-283, Interscience Publishers, NY.

Wade, B.A., L. Antonio and R. Mahon. 1972. Increasing organic pollution in Kingston Harbour, Jamaica. *Marine Pollution Bulletin* 3: 106-111.

Wade, B.A. 1972. A description of a highly diverse soft-bottom community in Kingston Harbour, Jamaica. *Marine Biology* 13: 57-69.

Walsh, W.J. 1985. Reef fish community dynamics on small artificial reefs: the influence of isolation, habitat-structure, and biogeography. *Bulletin Marine Science* 36: 357-376.

Walsh, W.J. 1983. Stability of a coral reef fish community following a catastrophic storm. *Coral Reefs* 2: 49-63.

Warinner, J.E. and J.L. Brehmer. 1966. The effects of thermal effluents on marine organisms. *Int. J. Air Water Poll.* 10: 277-289.

Warne, J.E., A.A. Ekdale, S.F. Ekdale, and C.H. Peterson. 1976. *In Structure and Classification of Paleocommunities*, eds. R.W. Scott and R.R. West. Stroudsburg, PA. Dowden, Hutchinson and Ross.

Washington State Department of Ecology. 2002. Water Quality Program Policy 1-11: Assessment of Water Quality for the Section 303(d) List. Washington State Dept. Ecology, Olympia, WA.

Wass, M.L. 1967. Biological and physiological basis of indicator organisms and communities. *In Pollution and Marine Ecology*, eds. F.J. Burgess T.A. Olson. pp. 271-283, Interscience Publishers, NY.

Weininger, D. 1978. Accumulation of PCB in Lake Trout in Lake Michigan. Ph.D. Dissertation, Univ. Wisconsin at Madison, WI. 232 pp.

Weston, D.P. 1990. Quantitative examination of macrobenthic community changes along an organic enrichment gradient. *Mar. Ecol. Prog. Ser.* 61: 233-244.

Wildish, D. J. and V. Zitko. 1971. Uptake of polychlorinated biphenyls from seawater by *Gammarus oceanicus* *Mar. Biol.* 9: 213-218.

Willingham, W.T. 1976. *Ammonia toxicity*. EPA-908/3-76-001, Control Technology Branch, Water Division, U.S. EPA, Region 8. February.

Wilson, E.A. 1975. Arsenical pesticides. *American Chemical Society Symposium*, Ser. 7. p.17.

Wong, F.L., Hamer, M.R., Hampton, M.A., and Torresan, M.E., 1996. Bottom characteristics of an ocean disposal site off Honolulu, Hawaii: Time-based navigational trackline data managed by routes and events: Redlands, California, Environmental Systems Research Institute, 1996 ESRI Users Conference Proceedings (cdrom), approx. 15 p.

Wong, F.L., Hamer, M.R., Hampton, M.A., and Torresan, M.E., 1996, Bottom Characteristics of an Ocean Disposal Site off Honolulu, Hawaii: Time-based Navigational Trackline Data Managed by Routes and Events: Redlands, California, Environmental Systems Research Institute, 1996 ESRI Users Conference Proceedings (cdrom), approx. 15 p.

Woodley, J.D, et al. 1981. Hurricane Allen's impact on Jamaican coral reefs. *Science* 214: 749-755.

Woolson, E.A. (ed.) 1975. *Arsenical pesticides*. American Chemical Society Symposium, Ser. 7.

Wooster, W.S. and J.H. Jones. 1970. California Undercurrent off Northern Baja, California. *Journal Marine Research* 235-250.

Word, J.Q. 1976. Biological comparison of grab sampling devices. In *SCCWP 1976 Annual Report*: 189-194.

Wooster, W.S. and J.L. Reid, Jr. 1963. Eastern boundary currents. In *The Sea* ed. M.N. Hill vol. 2. Interscience.

Word, J.Q. 1978. The Infaunal Trophic Index. *SCCWRP Annual Report, 1979*. El Segundo, CA: SCCWRP.

Word, J.Q. 1990. The infaunal trophic index, a functional approach to benthic community analyses. Ph.D. thesis, University of Washington. University of Michigan Microfilm Service.

Word, J.Q. and A.J. Mearns. 1979. Sixty-meter control survey off Southern California. In *SCCWRP TM 229*, June.

Word, J.Q., B.L. Myers, and A.J. Mearns. 1977. Animals that are indicators of marine pollution. In *SCCWRP Annual Report 1977*: 199-206.

Word, J.Q. 1980. Classifications of benthic invertebrates into infaunal trophic index feeding groups. In *SCCWRP Biennial Report 1979-1980*; ed. W. Bascom. Long Beach, CA: 103-121.

Word, J.Q. 1978. The infaunal trophic index. In *SCCWRP Annual Report, 1979*. El Segundo, CA.

Word, J.Q. 1979. The infaunal trophic index. In *SCCWRP Annual Report*; ed. W. Bascom. El Segundo, CA: 19-39.

Word, J.Q. 1977. The informal trophic index. In *SCCWRP 1977 Annual Report*.

Word, J.Q. and A.J. Mearns. 1979. Sixty-Meter Control Survey off Southern California. *SCCWRP TM 229* June, 1979. 58 pp.

Work, T.M. 2003. *Necropsy and liver histopathology for fish sampled in the vicinity of the Sand Island ocean outfall and at reference stations in Maunalua Bay, Oahu, Hawaii, 2002*. Project Report PR-2003-03. February 21pp. Water Resources Research Center, University of Hawaii at Manoa, Honolulu, HI.

Work, T. M. and G. H. Balazs. 1998. Causes of sea turtle mortality in Hawaii. In S. P. Epperly and J. Braun (comps.) Proc. 17th Ann. Symp. Sea Turtle Biology and Conservation, March 4-8, 1997, Orlando, Florida. p. 291-292. NOAA Tech. Memo. NMFS-SEFSC-415.

Work, T.M. 2000. *Necropsy and liver histopathology for fish sampled in the vicinity of the Sand Island ocean outfall and in Maunalua Bay, Oahu, Hawaii, September 2001*. Project Report PR-2002-05. December. 17pp. Water Resources Research Center, University of Hawaii at Manoa, Honolulu, HI.

Wu, R.S.S. 1982. Periodic defaunation and recovery in a subtropical epibenthic community, in relation to organic pollution. *J. Exp. Mar. Biol. Ecol.* 64: 253-269.

Wyrtki, K., G. Meyers, D. McClair, and W. Patzert. 1977. *Variability of the thermal structure in the central equatorial Pacific Ocean*. Hawaii Institute of Geophysics, University of Hawaii, HI. HIG-77-1.

Yonge, C.M. 1931. *The biology of reef building corals*. Scientific Reports of the British museum (Nat. Hist.), 1:353-391.

Young, D. R., A. J. Mearns, T. K. Jan, T. C. Heesen, M. D. Moore, R. P. Eganhouse, G. P. Hershelman and R. W. Gossett. 1980. Trophic structure and pollutant concentrations in marine ecosystems of Southern California. CalCOFI Rep. XXI: 197-206.

Young, D. R. 1982. A comparative study of trace metal contamination in the Southern California and New York Bights. Pp. 249-262 In Mayer, G. F. (ed.). *Ecological Stress and the New York Bight: Science and Management*. Estuarine Research Federation, Columbia, SC. 715 pp.

Young, D. R. 1982b. Chlorinated hydrocarbon contaminants in the Southern California and New York Bights. Pp. 263-276 In Mayer, G. F. (ed.). *Ecological Stress and the New York Bight: Science and Management*. Estuarine Research Federation, Columbia, SC. 715 pp.

Young, D.R. 1982a. A comparative study of trace metal contamination in the Southern California and New York bights. In *Ecological Stress and the New York Bight: Science and Management*, ed. G.F. Mayer. Estuarine Research Federation, Columbia, SC: 249-262.

Young, D.R. 1982b. Chlorinated hydrocarbon contaminants in the Southern California and New York bights. In *Ecological Stress and the New York bight: Science and Management*, ed. G.F. Mayer. Estuarine Research Federation, Columbia, SC: 263-276.

Young, D.R., A.J. Mearns, T.K. Jan. T.C. Heesen, M.D. Moore, R.P. Eganhouse, G.P. Hershelman, and R.W. Gossett. 1980. *Tropic structure and pollutant concentrations in marine ecosystems of Southern California*. CalCOFI Rep. 31:197-206.

Young, D.R. and M.D. Moore. 1978. *Trace elements in seafood organisms around southern California municipal wastewater outfalls*. Publication no. 60. California State Water Resources Control Board. Sacramento, CA.

Zapka, M. J. and H. Krock. 1983. *Sand Island outfall diffuser sand effects study*. Technical Report 54: I-1, II-12, and II-15. University of Hawaii, Honolulu, HI.

Zimmerman, E.C. 1948. *Insects of Hawaii, vol. 1*. Introduction, University of Hawaii Press, Honolulu, HI.

Zmarzly, D.L., T.D. Stebbins, D. Pasko, R. M. Duggan, and K.L. Barwick. 1994. *Spatial patterns and temporal succession in soft-bottom macroinvertebrate assemblages surrounding an ocean outfall on the southern San Diego shelf: relation to anthropogenic and natural events*.