

## REFERENCES

- Adey, E.A., and H.M. Cook, 1964: Suspended-sediment load of Texas streams. Bulletin 6410, Texas Water Commission, Austin, Texas.
- American Public Health Association, 1971: *Standard Methods for the Examination of Water and Wastewater, 13th Ed.* APHA, Washington, D.C.
- American Public Health Association, 1985: *Standard Methods for the Examination of Water and Wastewater, 16th Ed.* APHA, Washington, D.C.
- American Public Health Association, 1989: *Standard Methods for the Examination of Water and Wastewater, 17th Ed.* APHA, Washington, D.C.
- American Society for Testing and Materials, 1976: *Annual Book of ASTM Standards, Part 31: Water.* ASTM, Philadelphia, PA.
- American Society for Testing and Materials, 1980: *Annual Book of ASTM Standards, Part 31: Water.* ASTM, Philadelphia, PA.
- Armstrong, N.E. and M.O. Hinson, 1973, Galveston Bay ecosystem freshwater requirements and phytoplankton productivity. *In: Toxicity studies of Galveston Bay Project, Report to the Texas Water Quality Board Galveston Bay Project, University of Texas Marine Science Institute.*
- Armstrong, N.E. and G.H. Ward, 1992: Point source loading characterization of Galveston Bay. Draft report to Galveston Bay National Estuary Program.
- Bewers, J., I. Macaulay, B. Sundby, and D. Buckley, 1975: Data are for looking at or quality control through interpretation. *Water quality parameters.* ASTM STP 573, American Society for Testing and Materials, pp. 550-565.
- Bird, P. G. 1981. The effect of nitrification in the BOD test. *W. Pollution Control*, 80(3), 370-389.
- Bloodgood, D.W., and A.A. Meador, 1945: The silt load of Texas streams, Part VI. Board of Water Engineers, Austin, Texas.
- Board of Water Engineers, 1955: The silt load of Texas streams. 16th Annual Report, BWE, Austin, Texas.
- Buechel, K. (ed), 1983: *Chemistry of pesticides.* New York: John Wiley & Sons.
- Busch, A.W., 1966: Energy, total carbon, and oxygen demand. *Wat. Res. Res.* 2(1), pp 59-69.
- Chau, A., and B. Afghan, 1982: *Analysis of pesticides in water, 1.* Boca Raton, FL: CRC Press.

- Cook, H.M., 1967: Suspended-sediment load of Texas streams. Report 45, Texas Water Development Board, Austin, Texas.
- Cook, H.M., 1970: Suspended-sediment load of Texas streams. Report 106, Texas Water Development Board, Austin, Texas.
- Copeland, B.J., and E.G. Fruh, 1970: Ecological studies of Galveston Bay. Final Report to Galveston Bay Project, University of Texas Marine Science Institute.
- Costerton, J. W. and R. R. Colwell (Eds.), 1979: *Native Aquatic Bacteria: Enumeration, Activity, and Ecology*. Special Technical Publication 695, American Society for Testing and Materials, Philadelphia.
- Crompton, T., 1985: *Determination of organic substances in water*. New York: John Wiley & Sons.
- Defant, A., 1961: *Physical Oceanography, I*. New York: MacMillan.
- Di Toro, D., 1978: Optics of turbid estuarine waters: approximations and applications. *Water Res.* 12, pp. 1059-1068.
- Dougherty, J.P., 1979: Suspended-sediment load of Texas streams. Report 233, Texas Department of Water Resources, Austin, Texas.
- Eckhardt, Bob, 1971: How we got the dirtiest stream in America. *Texas Intl. Law J.* 7 (1), pp 5-28.
- Effler, S.W., 1988: Secchi disc transparency and turbidity. *J. Env. Engr., ASCE*, 114 (6), pp 1436-1447.
- Environmental Protection Agency, 1979: Handbook for analytical quality control in water and wastewater laboratories. Doc. No. EPA-600/4-79-019, Environmental Monitoring and Support Laboratory, EPA, Cincinnati, OH.
- Environmental Protection Agency, 1980: A Water Quality Success Story: Lower Houston Ship Channel and Galveston Bay, Texas. Office of Water Planning and Standards, EPA, Washington, D.C.
- Environmental Protection Agency, 1986: *Quality criteria for Water 1986*. Report EPA 440/5-86-001, Office of Water, Regulations and Standards, Washington, D.C.
- Environmental Protection Agency, 1991: Draft analytical method for determination of acid volatile sulfide in sediment. Draft report, Office of Water, Health & Ecological Criteria Division, Washington, D.C.
- Elmore, H. L. 1955. Determination of BOD by a reaeration technique. *Sew Ind. Works*, 27(9), 993-1002.

- Espey, W. H., A. Hays, W. Bergman, J. Buckner, R. Huston, G. Ward, 1971a: Phase II Technical Progress Report, Galveston Bay Project Water Quality Modeling and Data Management. Doc. No. T70-AU-7636-U, Tracor, Inc., Austin, TX.
- Espey, W. H., A. Hays, W. Bergman, J. Buckner, R. Huston, G. Ward, 1971b: Appendices to Phase II Technical Progress Report. Doc. No. T71-AU-9601-U, Tracor, Inc., Austin Texas.
- Fair, G. M., and J. C. Geyer, 1954: *Water supply and waste-water disposal*. New York: John Wiley & Sons.
- Fishman, M. J. and L.C. Friedman, 1989: Methods for the determination of inorganic substances in water and fluvial sediments. *Techniques of Water-Resources Investigations of the United States Geological Survey*, Book 5, Chapter A1, USGS, Alexandria, VA.
- Friedman, L. and D. Erdmann, 1982: Quality assurance practices for the chemical and biological analyses of water and fluvial sediments. *Techniques of Water-Resources Investigations of the United States Geological Survey*, Book 5, Chapter A6, USGS, Alexandria, VA.
- Galtsoff, P.S., 1931: Survey of oyster bottoms in Texas. Invest. Rep. No. 6, Bureau of Fisheries, U.S. Dept. Commerce, Washington, D.C.
- Gloyna, E.F., and J.F. Malina, 1964: Galveston Bay water quality study--Historical and recent data. Technical Report, Center for Research in Water Resources, University of Texas at Austin.
- Green, A.W., et al., 1991: Status and trends of selected living resources in the Galveston Bay system. Draft Report to Galveston Bay National Estuary Program, Texas Parks and Wildlife Department, Austin.
- Hamilton, W.C., 1964: *Statistics in Physical Science*. New York: Ronald Press.
- Harris, D.L., 1981: *Tides and Tidal Datums in the United States*. Special Report No. 7, Coastal Engineering Research Center, U.S. Corps of Engineers, Ft. Belvoir, Va.
- Heddele, J. F. and A. Tavener. 1981. Evaluation of the total carbonaceous biochemical oxygen demand method using a compensating recording respirometer. *Appl. and Env. Microbiol.*, 41 (3), 580-584.
- Her Majesty's Stationery Office, 1983: Biochemical Oxygen Demand 1981. In: *Methods for the examination of waters and associated materials*, HMSO, London.

- Holmes, R.W., 1970: The Secchi disk in turbid coastal waters. *Limn. Oceanogr.* 15, pp 688-694.
- Hutchinson, G.E., 1957: *A Treatise on Limnology, 1*. New York: John Wiley & Sons.
- Jensen, P., S. Valentine, M. Garrett and Z. Ahmad, 1991: Nitrogen Loads to Galveston Bay. In: *Proceedings, Galveston Bay Characterization Workshop*, F. Shipling and R. Kiesling (Eds.), Report GBNEP-6, Galveston Bay National Estuary Program, Webster, Texas.
- Jones, D. and M. Willis, 1956: The attenuation of light in sea and estuarine waters in relation to the concentration of suspended solid matter. *J. Mar. Biol. Assn. U.K.*, 35, pp 431-44.
- Karickhoff, S., 1981: Semi-empirical estimation of sorption of hydrophobic pollutants on natural sediments and soils. *Chemosphere* 10, pp. 833-846.
- Kennedy, J.B. and A.M. Neville, 1976: *Basic Statistical Methods for Engineers and Scientists, 2nd Ed.* New York: Thomas Crowell Company.
- Kenner, B., 1978: Fecal streptococcal indicators, In: *Indicators of viruses in food and water* (G. Berg, ed.). Ann Arbor: Ann Arbor Science Publ.
- Ketchum, B., 1951a: The exchange of fresh and salt waters in tidal estuaries. *J. Mar. Res.* 10, pp 18-37.
- Ketchum, B., 1951b: The flushing of tidal estuaries. *Sew. Ind. Wastes* 23, pp 198-209.
- Kirk, J.T., 1983: *Light and photosynthesis in aquatic ecosystems*. London: Cambridge University Press.
- Kirkpatrick, J., 1986: Intensive survey of the Houston Ship Channel system. Report IS 86-10, Texas Water Commission, Austin.
- Klein, C. J. and G.H. Ward, 1991: The COMPAS screening model for Galveston Bay. In F. Shipley and R. Kiesling (Eds.), *Proc. Galveston Bay Characterization Workshop*. Report GBNEP-6, National Estuary Program, Webster, Texas.
- Lamont, I.M. (Ed.), 1981: Measurement of Color and Turbidity. *Water Research Topics, 1*, Hertfordshire: Stevenage Laboratory.
- Maier, W. J. and H. L. McConnell. 1974. Carbon measurements and water quality monitoring. *J. Wat. Poll. Contr. Fed.*, 46(4), 623-633.
- McCarty, P., E. Wchelberger, J. Hem, D. Jenkins, G. Lee, J. Morgan, R. Robertson, R. Schmidt, J. Symons, M. Trexler and J. Van Wazer, 1970:

- Chemistry of nitrogen and phosphorus in water. *J. Am. Water Works Assn.* 62, pp 127-140.
- Metyko, F.J., 1952: Sanitary pollution in the Harris County-Galveston Bay area. *Texas J. Sci.*, pp. 504-516.
- Meybeck, M., 1982: Carbon, nitrogen and phosphorus transport by world rivers. *Am. J. Sci.* 282 (4), pp 401-450.
- Mirabal, J., 1974: Suspended-sediment load of Texas streams. Report 184, Texas Water Development Board, Austin, Texas.
- Monod, J. 1949. The growth of bacterial cultures. *Ann. Rev. Microbiol.*, 3, 371-393.
- Mood, A.M., 1950: *Introduction to the theory of statistics*. New York: McGraw-Hill.
- Moore, J.W. and S. Ramamoorthy, 1984a: *Organic chemicals in natural waters*. New York: Springer-Verlag.
- Moore, J.W. and S. Ramamoorthy, 1984b: *Heavy metals in natural waters*. New York: Springer-Verlag.
- National Ocean Service, 1991: Second summary of data on chemical concentrations in sediments from the National Status and Trends Program. NOAA Tech. Memo. NOS OMA 59, NOS/NOAA, Rockville, Maryland.
- Oppenheimer, C., N. Gordon and B. Brogden, 1973: A definition of BOD in Galveston Bay. In: *Toxicity Studies of Galveston Bay Project* (C. Oppenheimer, B. Brogden, K. Gordon, eds.), Report of Marine Science Institute, University of Texas.
- Pacheco, P., D. Farrous, T. Manuelides, S. Rohmann, M. Katz, and J. McLeod, 1990: Point source discharges in coastal areas of Texas. Draft report, National Coastal Pollutant Discharge Inventory Program, NOS, NOAA, Rockville, MD.
- Parisod, J. P. and E. D. Schroeder. 1978. Biochemical oxygen demand progression in mixed substrates. *J. Wat. Poll. Cont. Fed., Fed.*, 50(7), 1827-1834.
- Powelson, E.J., 1978: Industrial wastewater dischargers on the Houston Ship Channel: a study of regulation and water quality improvement. M.A. Thesis, University of Texas at Austin.
- Preisendorfer, R.W., 1986: Secchi disc science: visual optics of natural waters. *Limn. Oceanogr.* 31 (5), pp 909-926.

- Pullen, E., and L. Trent, 1968: Hydrographic observations from the Galveston Bay system, Texas, 1958-67. Unpublished manuscript report including carbon computer printout, U.S. Bureau of Commercial Fisheries, Galveston, Texas.
- Reynolds, T. and W. Eckenfelder, 1970: Reaction rates of Houston Ship Channel waters. Report to the Galveston Bay Project and Texas Water Quality Board, Texas A&M University.
- Scarborough, J., 1966: *Numerical Mathematical Analysis*, 6th Ed. Baltimore: the Johns Hopkins Press.
- Sibley, M. M., 1968: *The Port of Houston: A History*. Austin: University of Texas Press.
- Skougstad, M., M. Fishman, L. Friedman, D. Erdmann, S. Duncan (Eds.), 1979: Methods for determination of inorganic substances in water and fluvial sediments. Chapter A1, Book 5, *Techniques of water-resources investigations of the United States Geological Survey*, USGS, Washington, D.C.
- Stanley, D.W., 1989: Historical trends in water quality and fisheries resources in Galveston Bay, Texas. Draft Report to National Ocean Pollution Program Office (NOAA, Rockville, MD), Institute for Coastal and Marine Resources, East Carolina University, Greenville, N.C.
- Stones, T. 1976. Factors involved in biochemical oxidation of sewage. *Effl. Wat. Trmt. Jnl.*, 16, 574-575.
- Stout, I.M., L. C. Bentz, H.W. Ingram, 1961: Silt load of Texas streams, a compilation report. Bulletin 6108, Texas Board of Water Engineers, Austin, Texas.
- Tetra Tech, Inc., 1987: Historical data quality review for the U.S. EPA National Estuary Program. Final Report, Contract 68-03-3319, Tetra Tech, Inc., Duxbury, MA.
- Texas Department of Water Resources, 1981: Trinity-San Jacinto Estuary: A study of the influence of freshwater inflows. Report LP-113, TDWR, Austin, TX.
- Texas Environmental Research Corporation, 1968: Water quality of Trinity River and Trinity Bay - 1968. Mimeograph report, TERC (no address). [Copy in files of District 7 office, Texas Water Commission]
- Texas Game and Fish Commission, 1961: Annual report, Fiscal Year 1960-61. TGFOC. Austin, TX.

- Texas Game and Fish Commission, 1963: Annual report, Fiscal Year 1962-63. TGFOC. Austin, TX.
- Texas Game, Fish and Oyster Commission, 1928: Annual report, Fiscal Year 1928. TGFOC, Austin, TX.
- Texas Game, Fish and Oyster Commission, 1929: "Marine Fisheries" in Annual report, Fiscal Year 1929. TGFOC, Austin, TX.
- Texas Game, Fish and Oyster Commission, 1933: Annual report, Fiscal Year 1932-33. TGFOC, Austin, TX.
- Texas Game, Fish and Oyster Commission, 1935: Annual report, Fiscal Year 1934-35. TGFOC, Austin, TX.
- Texas Game, Fish and Oyster Commission, 1946: Annual report, Fiscal Year 1945-46. TGFOC, Austin, TX.
- Texas Game, Fish and Oyster Commission, 1954: Annual report, Fiscal Year 1953-54. TGFOC. Austin, TX.
- Texas State Department of Health, 1968: Galveston Bay Water Quality Survey, 1963-1967. Report to Texas Water Quality Board, IAC No. 141, Austin, TX.
- Texas Water Commission, 1988: Supplemental Surface Water Quality Standards. *Texas Register*, 13 TexReg 1776-1867.
- Texas Water Commission, 1990: The State of Texas Water Quality Inventory. Report LP-90-06, TWC, Austin, TX.
- Texas Water Commission, 1991: Texas Surface Water Quality Standards. Chapter 307, Permanent Rule Changes, TWC, Austin, TX.
- U.S. Naval Hydrographic Office, 1956: Tables for rapid computation of density and electrical conductivity of sea water. SP-11, U.S. Navy, Washington, D.C.
- UNESCO, 1981: *Tenth Report of the Joint Panel on Oceanographic Tables and Standards*. Tech. Papers Mar. Sci. 36, Geneva.
- Urban, L.V., 1966: Estimates of physical exchange in Galveston Bay, Texas. M.S. Thesis, Dept. Civil Engr., University of Texas at Austin.
- U.S. Geological Survey, 1991: Water Resources Data, Texas, Water Year 1990. USGS, Austin, Texas.
- Wallace, W.J., 1974: *The development of the chlorinity/salinity concept in oceanography*. Amsterdam: Elsevier Publishing Co.

- Ward, G.H., 1980: Hydrography and circulation processes of Gulf estuaries. In *Estuarine and Wetland Processes* (P. Hamilton & K. Macdonald, Eds.), pp.183-215. Plenum Press, New York.
- Ward, G.H., 1991: Galveston Bay hydrography and transport model validation. Draft report to National Ocean Service, NOAA from Center for Research in Water Resources, University of Texas at Austin.
- Ward, G.H. and W.H. Espey, 1971: *Estuarine Modeling: an Assessment*. Doc. No. 16070 DZV 02/71, S/N 5501-0129, Government Printing Office, Washington, D.C.
- Ward, G.H., and N.E. Armstrong, 1990: Project Work Plan, Historical review of ambient water and sediment quality of Galveston Bay. Report to GBNEP, Center for Research in Water Resources, University of Texas at Austin.
- Ward, G.H. and N.E. Armstrong, 1991: Galveston Bay Data Inventory. Report to the Galveston Bay National Estuary Program, Center for Research in Water Resources, University of Texas at Austin.
- Ward, G.H., and N.E. Armstrong, 1992: Data Bases on Ambient Water and Sediment Quality of Galveston Bay. Report to the Galveston Bay National Estuary Program, Center for Research in Water Resources, University of Texas at Austin.
- Wershaw, R., M. Fishman, et al. 1987: Methods for the determination of organic substances in water and fluvial sediments. *Techniques of Water-Resources Investigations of the United States Geological Survey*, Book 5, Chapter A1, USGS, Alexandria, VA.
- Wise, R., K. Winston, and C. Nau, 1944: An outbreak of food poisoning resulting from eating contaminated raw oysters. *Texas Reports Biol. Med.* 2, pp. 252-258.
- Wise, R., K. Winston, and C. Nau, 1948: Factors of sewage pollution of oyster beds in Galveston Bay. *Am. J. Public Health*, 38, pp. 1109-1117.