

CURRICULUM VITAE

Dr. Edward (Ted) Van Vleet

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EDUCATION

<u>Institution</u>	<u>Field of Study</u>	<u>Degree</u>	<u>Date</u>
University of Washington Seattle, Washington	Chemistry	B.A.	1971
University of Washington Seattle, Washington	Oceanography	B.S.	1971
Old Dominion University Norfolk, Virginia	Oceanography	M.S.	1974
University of Rhode Island Kingston, Rhode Island	Oceanography	Ph.D.	1978

EMPLOYMENT

2001 - Present	Director of Academic Programs and Student Affairs, College of Marine Science University of South Florida, St. Petersburg, Florida
1987 - Present	Professor of Oceanography, Department of Marine Science, University of South Florida, St. Petersburg, Florida
1983 - 1987	Associate Professor of Oceanography, Department of Marine Science, University of South Florida, St. Petersburg, Florida
1979 - 1983	Assistant Professor of Oceanography, Department of Marine Science, University of South Florida, St. Petersburg, Florida
1978 - 1979	Post-graduate Marine Chemist, Institute of Marine Resources, Scripps Institution of Oceanography, La Jolla, California

AREAS OF SPECIALIZATION

Chemical Oceanography
Marine Organic Biogeochemistry
Hydrocarbon Pollution
Biochemical Tracers

PROFESSIONAL ORGANIZATIONS

American Assoc. Advancement Science
American Chemical Society
European Assoc. Organic Geochemists
Sigma Xi

OTHER PROFESSIONAL ACTIVITIES

Technical Advisory Committee, Tampa Urban Runoff Program (in conjunction with the U.S.E.P.A. -- National Urban Runoff Program) 1980-1982

Interdisciplinary Committee of the World Cultural Council (Mexico). Committee to choose the Albert Einstein World Award of Science.

Numerous presentations and talks for civic groups, public schools, and radio broadcasts

Reviewer - Proposals (National Science Foundation, Environmental Protection Agency, Sea Grant, Louisiana Universities Marine Consortium, CICEET).

- Journals (Geochimica et Cosmochimica Acta, Marine Chemistry, Organic Geochemistry, Limnology and Oceanography, Environmental Science and Technology, Polar Biology, Canadian Journal of Fisheries and Aquatic Sciences, Geophysical Research Letters, Marine Geology, Environmental Geology, Bulletin of Environmental Contamination and Toxicology, Australian Journal of Marine and Freshwater Research, Journal of Coastal Research, Journal of Marine Research, Journal of Geophysical Research, Chemosphere).

Hosted Visiting Scholar (Wenqing Zheng) from People's Republic of China for one year (1986 - 1987). Research: Hydrocarbon Pollution in the Dry Tortugas.

Hosted Visiting Scholar (Dr. Wilhelm Hagen) from the Institute of Polar Ecology, University of Kiel, Germany for one year (1988 - 1989). Research: Lipid Biochemistry of Antarctic Organisms Collected During the Austral Winter.

Presented five-week lecture series, training session and technical expertise in helping to establish an oil pollution research laboratory at The Third Institute of Oceanography in People's Republic of China (1988).

Hosted two international training courses offered by Finnigan-MAT Corporation:

- (1) GCMS Mass Spectral Data Interpretation (3 days)
- (2) EPA Priority Pollutant Analyses by Combined Gas Chromatography-Mass Spectrometry (2 days)

Scientific Review Board, Smithsonian Tropical Research Institute. Long term study of the effects of the Bahia Las Minas oil spill on tropical ecosystems. 1990 - 1993.

HONORS AND AWARDS

- 1985-86 Delmas Scholar, for research conducted in Venice, Italy.
1994-95 Delmas Scholar, for research conducted in Venice, Italy.
1998 Visiting Research Scientist Award, Istituto Biologia del Mare, Venice, Italy.

PUBLICATIONS

Chapters or Segments of Books

- Van Vleet, E.S. and Quinn, J.G., 1980. Characterization of mono-unsaturated fatty acids from an estuarine sediment. Pp. 223-224, IN: Benchmark Papers in Geology/52. Geochemistry of Organic Molecules. K.A. Kvenvolden (ed.). Dowden, Hutchinson and Ross, Inc. Stroudsburg, PA.
- Van Vleet, E.S., Sackett, W.M., Weber, F.F., Jr. and Reinhardt, S.B. 1983. Spatial and temporal variation of pelagic tar in the Eastern Gulf of Mexico. Pp. 362-368, IN: Advances in Organic Geochemistry, 1981. M. Bjoray (ed.). J. Wiley. London.
- Van Vleet, E.S., Pierce, R.H., Brown, R.C. and Reinhardt, S.B. 1985. Sedimentary hydrocarbons from a subtropical marine estuary. Pp. 249-257, IN: Advances In Organic Geochemistry, 1983. P. Schenk (ed.). Pergamon, London.
- Joyce, R.M. and Van Vleet, E.S. 1986. Origin of organic matter in North American Basin Cretaceous black shales. Pp. 91-106, IN: Organic Marine Geochemistry M. Sohn (ed.). American Chemical Society, Washington, D.C.
- Pierce, R.H., Brown, R.C., Van Vleet, E.S. and Joyce, R.M. 1986. Hydrocarbon contamination from coastal development. Pp. 229-246, IN: Organic Marine Geochemistry. M. Sohn (ed.). American Chemical Society, Washington, D.C.
- Pauly, G.G. and Van Vleet, E.S. 1986. Archaeobacterial ether lipids: Natural tracers of biogeochemical processes. Pp. 859-867, IN: Advances in Organic Geochemistry, 1985. D. Leythaeuser and J. Rullkotter (eds.). Pergamon, London.
- Joyce, R.M. and Van Vleet, E.S. 1987. Geochemical studies on organic-rich sediments from DSDP Site 603B. Pp. 1223-1230, IN: Initial Reports of the Deep-Sea Drilling Project, Vol. XCII. J.E. Van Hinte, S.W. Wise Jr. et al. (eds.). U.S. Govt. Printing Office, Wash., D.C.
- Van Vleet, E.S., Fossato, V.U., Sherwin, M.R., Lovett, H.B. and Dolci, F. 1989. Distribution of coprostanol, petroleum hydrocarbons, and chlorinated hydrocarbons in sediments from canals and coastal waters of Venice, Italy. Pp. 757-763, IN: Advances in Organic Geochemistry, 1987. L. Mattavelli (ed.). Pergamon, London.

Van Vleet, E., G. Campesan and D. Cassin. 2008. Quality and quantity of exchanges between lagoon and sea: Molecular organic biomarkers. Pp. 357-368. In, Scientific Research and Safeguarding of Venice. Ed.: P. Campostrini. CORILA. Venice, It.

Campesan, G., E. Van Vleet and D. Cassin. 2008. Quality and quantity of exchanges between lagoon and sea: Organic and inorganic micropollutants. Pp. 351-356. In, Scientific Research and Safeguarding of Venice. Ed.: P. Campostrini. CORILA. Venice, It.

Bianchi, F., E. Ravagnan, F. Acri, Fl. Antonini, F.B. Aubry, A. Boldrin, M. Bressan, E. Camatti, G. Campesan, D. Cassin, A. Cesca, A. Comaschi, M. Giani, D.O. Moneta, M. Penzo, A. Pugnetti, M. Turchetto and E. Van Vleet. Quality and quantity of exchanges between lagoon and sea: Biogeochemical parameters. Pp. 323-342. In, Scientific Research and Safeguarding of Venice. Ed.: P. Campostrini. CORILA. Venice, It.

Short, R.T., R.H. Byrne, D. Hollander, J. Schijf, S.K. Toler and E.S. Van Vleet. 2009. Oceanography. Chapter 9 (Pp. 235-242), in Mass Spectrometry: Instrumentation, Interpretation, and Applications. Eds: Eckman, R., J. Silberring, A.M. Westman-Brinkmalm and A. Kraj. Wiley. Hoboken, NJ.

Articles in Refereed Journals

Van Vleet, E.S. and Quinn, J.G. 1976. Characterization of monounsaturated fatty acids from an estuarine sediment. *Nature* 292(5564): 126-128.

Van Vleet, E.S. and Quinn, J.G. 1977. Input and fate of petroleum hydrocarbons entering the Providence River and Upper Narragansett Bay from waste water effluents. *Environmental Science and Technology* 11(12): 1086-1092.

Van Vleet, E.S. and Quinn, J.G. 1978. The contribution of chronic petroleum inputs to Narragansett Bay and Rhode Island Sound sediments. *Journal of Fisheries Research Board of Canada* 35(5): 536-543.

Van Vleet, E.S. and Quinn, J.G. 1978. The separation of monounsaturated fatty acid methyl ester isomers by highly polar GLC stationary phases. *Journal of Chromatography* 151(3): 396-400.

Van Vleet, E.S. and Quinn, J.G. 1979. Early diagenesis of fatty acids and isoprenoid alcohols in estuarine and coastal sediments. *Geochimica et Cosmochimica Acta* 43(3): 289-303.

Van Vleet, E.S. and Quinn, J.G. 1979. Diagenesis of marine lipids in ocean sediments. *Deep-Sea Research* 26(11A): 1225-1236.

Williams, P.M., Van Vleet, E.S. and Booth, C.R. 1980. In situ measurements of sea-surface potentials. *Journal of Marine Res.* 38(2):193-204.

Van Vleet, E.S. and Williams, P.M. 1980. Sampling sea surface films: an evaluation of laboratory techniques and collecting materials. *Limnology and Oceanography*. 25(4): 764-770.

Williams, P.M., Long, D.R., Price, C.C., Robertson, K.J. and Van Vleet, E.S. 1981. A mobile platform for studying sea-surface films. *Deep-Sea Research* 29(5A): 641-646.

Van Vleet, E.S. and Williams, P.M. 1983. Surface potential and film pressure measurements in seawater systems. *Limnology and Oceanography* 28(3): 401-414.

Van Vleet, E.S. and Reinhardt, S.B. 1983. Input and fate of petroleum hydrocarbons to a subtropical marine estuary. *Environment International* 9: 19-26.

Van Vleet, E.S., Sackett, W.M., Weber, F.F., Jr. and Reinhardt, S.B. 1983. Input of pelagic tar into the northwest Atlantic from the Gulf Loop Current: Chemical characterization and its relation to weathered IXTOC-I oil. *Canadian Journal of Fisheries and Aquatic Science* 40: 12-22.

Van Vleet, E.S., Sackett, W.M., Reinhardt, S.B. and Mangini, M.E. 1984. Distribution, sources, and fates of floating oil residues in the eastern Gulf of Mexico. *Marine Pollution Bulletin* 15: 106-110.

Van Vleet, E.S., Candeleri, S., McNeillie, J., Reinhardt, S.B., Mangini, M. and A. Zwissler. 1984. Neutral lipid composition of eleven species of Caribbean sharks. *Comparative Biochemistry and Physiology* 79B:549-554.

Van Vleet, E.S. 1984. Fingerprinting oil spills in the marine environment. *Marine Technology Society Journal (Invited Review)* 18: 11-23.

Van Vleet, E.S., Pierce, R.H., Brown, R.C. and Reinhardt, S.B. 1985. Sedimentary hydrocarbons from a subtropical marine estuary. *Organic Geochemistry* 6: 249-257.

Williams, P.M., Carlucci, A.F., Henrichs, S.M., Van Vleet, E.S., Horrigan, S.G., Reid, F.M.H. and Robertson, K.J. 1986. Chemical and microbiological studies of sea-surface films in the southern Gulf of California and off the west coast of Baja, California. *Marine Chemistry* 19: 17-98.

Reinhardt, S.B. and Van Vleet, E.S. 1986. Lipid composition of Antarctic midwater organisms. *Marine Biology* 91: 149-159.

Reinhardt, S.B. and Van Vleet, E.S. 1986. Hydrocarbons of Antarctic midwater organisms. *Polar Biology* 6: 47-51.

Van Vleet, E.S., Joyce, R.M. and Sherwin, M.R. 1986. Comparison of anthropogenic

hydrocarbon inputs to two subtropical marine estuaries. *Science of the Total Environment* 56: 221-230.

Pauly, G.G. and Van Vleet, E.S. 1986. Archaeobacterial lipids in swamp sediments. *Geochimica et Cosmochimica Acta* 50: 1117-1125.

Pauly, G.G. and Van Vleet, E.S. 1986. Archaeobacterial ether lipids: Natural tracers of biogeochemical processes. *Organic Geochemistry* 10: 859-867.

Azzarello, M.Y. and Van Vleet, E.S. 1987. Marine birds and plastic pollution. *Marine Ecology Progress Series* 37: 295-303.

Van Vleet, E.S. and Pauly, G.G. 1987. Characterization of oil residues scraped from stranded sea turtles from the Gulf of Mexico. *Caribbean Journal of Science* 23: 73-83.

Atwood, D.K., Romero, G.C., Dinkel-McKay, S. and Van Vleet, E.S. 1987. Floating tarballs and dissolved and dispersed petroleum hydrocarbons in the Gulf of Mexico and the Florida Straits. *Caribbean Journal of Science* 23: 73-76.

Zheng, W. and Van Vleet, E.S. 1988. Petroleum hydrocarbon contamination in the Dry Tortugas. *Marine Pollution Bulletin* 19: 134-136.

Van Vleet, E.S., Fossato, V.U., Sherwin, M.R., Lovett, H.B. and Dolci, F. 1988. Distribution of coprostanol, petroleum hydrocarbons, and chlorinated hydrocarbons in sediments from canals and coastal waters of Venice, Italy. *Organic Geochemistry* 13: 757-763.

Fossato, V.U., Van Vleet, E.S. and Dolci, F. 1989. Chlorinated hydrocarbons in sediments of Venetian Canals *Archivio di Oceanografia e Limnologia* 21: 151-161.

Dickins, H.D. and E.S. Van Vleet. 1992. Archaeobacterial activity in the Orca Basin determined by the isolation of characteristic isoprenyl ether-linked lipids. *Deep-Sea Research*. 39:521-536.

Pease, T.K., E.S. Van Vleet and J.S. Barre. 1992. Diphytanyl glycerol ether distributions in Orca Basin sediments. *Geochimica et Cosmochimica Acta*. 56:3469-3479.

Sherwin, M.R., E.S. Van Vleet, V.U. Fossato and F. Dolci. 1993. Coprostanol (5 β -cholestan-3 β -ol) in lagoonal sediments and mussels of Venice, Italy. *Marine Pollution Bulletin*. 26:501-507.

Barre, J.S., T.M. Bert, and E.S. Van Vleet. 1994. Toxicity of the water-soluble fraction of diesel fuel to postsettlement juvenile stone crabs (*Menippe mercenaria*). *Bulletin of Marine Science*. 55:240-246.

Barre, J.S. and E.S. Van Vleet. 1994. Leaching from stone crab traps dipped in Fungitrol:diesel fuel preservative. *Bulletin of Environmental Contamination and Toxicology*. 53:813-819.

- Ames, A. and E.S. Van Vleet. 1996. Organochlorine residues in the Florida manatee, *Trichechus manatus latirostris*. Marine Pollution Bulletin. 32:374-377.
- Hagen, W.H., E.S. Van Vleet and G. Kattner. 1996. Seasonal lipid storage as overwintering strategy of Antarctic krill. Marine Ecology Progress Series. 134:85-89.
- Ames, A., E.S. Van Vleet and W.M. Sackett. 1996. The use of stable carbon isotope analysis for determining the dietary habits of the Florida manatee, *Trichechus manatus latirostris*. Marine Mammal Science. 12:555-563.
- Wood, C.M and E.S. Van Vleet. 1996. Copper, cadmium and zinc in liver, kidney and muscle tissues of bottlenose dolphins (*Tursiops truncatus*) stranded in Florida. Marine Pollution Bulletin. 32:886-889.
- Levings, S.C., S.D. Garrity, E.S. Van Vleet and D.L. Wetzel. 1997. Sublethal injury to red mangroves two years after oiling. In, 1997 International Oil Spill Conference, Proceedings. Pp. 1040-1041.
- Wetzel, D.L., P.M. Sherblom, E.S. Van Vleet, R.H. Pierce and M.S. Henry and D. Kelley. 1997. Environmental distribution of oil-related hydrocarbons following a spill of No.6 fuel oil in Tampa Bay. In, Gulf of Mexico and Caribbean Oil Spills in Coastal Ecosystems: Assessing Effects, Natural Recovery and Progress in Remediation Research. Proceedings of a Symposium. Pp.32-54.
- Pease, T.K., Van Vleet, E.S., J.S. Barre and H.D. Dickins. 1998. Degradation of glyceryl ethers by hydrous and flash pyrolysis. Organic Geochemistry 29: 979-988.
- Nasci, C., L. Da Ros, G. Campesan, E.S. Van Vleet, M. Salizzatos, L. Sporni and B. Pavoni. 1999. Clam Transplantation and Stress-Related Biomarkers as Useful Tools to Assess Water Quality in Coastal Environments. Marine Pollution Bulletin 39:1-12.
- Van Vleet, E.S. 2001. The fate of spilled oil in marine and freshwater environments. Proceedings of the 1st Latin American Conference on Contaminated Soil and Water.
- Wetzel, D.L. and E.S. Van Vleet. 2001. The fate of Bunker C fuel oil following a spill in a subtropical marine environment. Proceedings of the 1st Latin American Conference on Contaminated Soil and Water.
- Hagen, W., G. Kattner, A. Terbruggen and E.S. Van Vleet. 2001. Lipid metabolism of the Antarctic krill *Euphausia superba* and its ecological implications. Marine Biology. 139:95-104.
- Wetzel, D.L. and E.S. Van Vleet. 2001. Comparative studies on the toxicity of dispersants and dispersed oil to marine organisms - a three-year Florida study. 2001 International Oil Spill Conference Proceedings. March 26-29, 2001. Tampa, Florida.

Ames, A.L., E.S. Van Vleet and J.E. Reynolds. 2002. Comparison of lipids in selected tissues of the Florida manatee (Order Sirenia) and bottlenose dolphin (Order cetacea; Suborder Odontoceti). *Comparative Biochemistry and Physiology*. 132:625-634.

Wetzel, D.L. and E.S. Van Vleet. 2003. Persistence of petroleum hydrocarbon contamination in sediments of Venice, Italy: 1995 and 1998. *Marine Pollution Bulletin*. 46:1015-1023.

Wetzel, D.L. and E.S. Van Vleet. 2004. Accumulation and Distribution of Petroleum Hydrocarbons Found in Mussels (*Mytilus galloprovincialis*) in the Canals of Venice, Italy. *Marine Pollution Bulletin*. 48:927-936.

Ames, A.L. E.S. Van Vleet and C. Dawes. 2007. Lipids of seagrasses and freshwater plants from Southwest Florida. *Florida Scientist*. 70:264-274.

Van Vleet, E., G. Campesan and D. Cassin. 2009. Quality and quantity of exchanges between lagoon and sea: Molecular organic biomarkers. Pp. 357-368. In, *Scientific Research and Safeguarding of Venice*. Ed.: P. Campostrini. CORILA. Venice, It. (R)

Campesan, G., E. Van Vleet and D. Cassin. 2009. Quality and quantity of exchanges between lagoon and sea: Organic and inorganic micropollutants. Pp. 351-356. In, *Scientific Research and Safeguarding of Venice*. Ed.: P. Campostrini. CORILA. Venice, It. (R)

Bianchi, F., E. Ravagnan, F. Acri, Fl. Antonini, F.B. Aubry, A. Boldrin, M. Bressan, E. Camatti, G. Campesan, D. Cassin, A. Cesca, A. Comaschi, M. Giani, D.O. Moneta, M. Penzo, A. Pugnetti, M. Turchetto and E. Van Vleet. 2009. Quality and quantity of exchanges between lagoon and sea: Biogeochemical parameters. Pp. 323-342. In, *Scientific Research and Safeguarding of Venice*. Ed.: P. Campostrini. CORILA. Venice, It. (R)

Short, R.T., R.H. Byrne, D. Hollander, J. Schijf, S.K. Toler and E.S. Van Vleet. 2009. Oceanography. Chapter 9 (Pp. 235-242), in *Mass Spectrometry: Instrumentation, Interpretation, and Applications*. Eds: Eckman, R., J. Silberring, A.M. Westman-Brinkmalm and A. Kraj. Wiley. Hoboken, NJ. (R?)

Wetzel, D.L. and E.S. Van Vleet. 2010. The use of fecal sterols to examine the source and fate of pollutants in mussels and sediments from the canals and lagoon of Venice, Italy. In preparation for submission to *Marine Pollution Bulletin*.

Wetzel, D.L. and E.S. Van Vleet. 2010. The use of semipermeable membrane devices (SPMDs) as a proxy for the accumulation of organic pollutants in mussels. In preparation for submission to *Environmental Science and Technology*.

Wetzel, D.L., E.S. Van Vleet, G. Campesan and D. Cassin. 2010. Trends in petroleum hydrocarbon and sterol contamination in the canals of Venice, Italy: a 13-year overview. In Preparation for submission to *Estuarine and Coastal Shelf Science*.

Ames, A.L. and E.S. Van Vleet. 2010. Lipids of the Florida manatee, *Trichechus manatus latirostris*. In preparation for submission to Journal of Mammalogy.

Non-Refereed Publications

Van Vleet, E.S. and Sackett, W.M. 1981. Pelagic tar distribution in the Eastern Gulf of Mexico. Coastal Oceanography and Climatology News 3(4): 51-52.

Van Vleet, E.S. 1984. Lipid biochemistry of Antarctic midwater organisms. Antarctic Journal of the United States 18: 204-206.

Van Vleet, E.S. 1984. Oil pollution studies in the Eastern Gulf of Mexico and West Florida coastal waters. Pp. 12-15. IN: Contaminants in Florida's Coastal Zone. J.J. Delfino, D.L. Frazier, and J.L. Nepshinsky (eds.). Florida Sea Grant Report No. 62. Gainesville, Florida.

Van Vleet, E.S. 1985. Hydrocarbons in Tampa Bay -- A Review. Pp. 130-146. IN: Proceedings of the Bay Area Scientific Information Symposium. Tampa, Florida. May 3-6, 1982. Bellweather Press, Tampa.

Reinhardt, S.B. and Van Vleet, E.S. 1985. Lipid composition of Antarctic midwater invertebrates. Antarctic Journal of the United States 19(5): 139-140.

Reinhardt, S.B. and Van Vleet, E.S. 1985. Lipid composition of Antarctic midwater fish. Antarctic Journal of the United States 19(5): 144-145.

Hagen, W.G. and E.S. Van Vleet. 1989. Lipid biochemistry of Antarctic zooplankton: overwintering strategies and trophic relationships. Antarctic Journal of the United States.

Barre, J.S. and E.S. Van Vleet. 1993. Leaching from diesel- dipped traps is less than projected. National Fisherman 74:40.

Other Publications

Van Vleet, E.S. 1978. Diagenesis of Hydrocarbons, Fatty Acids, and Isoprenoid Alcohols in Marine Sediments. Ph.D. Dissertation. University of Rhode Island. 232p.

Doyle, L.J., Van Vleet, E.S., Sackett, W.M., Blake, N.J. and Brooks, G.R. 1985. Hydrocarbons in Tampa Bay, Florida. Florida Department of Natural Resources. 189p.
Vargo, S., Lutz, P., Odell, D., Van Vleet, E. and Bossart, G. 1986. Effects of Oil of Marine Turtles. U.S. Minerals Management Service. 279p.

Doyle, L.J., Brooks, G.R., Fanning, K.A., Van Vleet, E.S., Byrne, R.H. and Blake, N.J. 1989. A Characterization of Tampa Bay Sediments. Southwest Florida Water Management District. 100p.

Presley, B.J. and Van Vleet, E.S. 1990. Environmental Chemistry. Chapter 3. In: Synthesis of Available Biological, Geological, Chemical, Socioeconomic, and Cultural Resource Information for the South Florida Area. U.S. Minerals Management Service.

Van Vleet, E.S. 1991. The Use of Petronet Oil Absorbant in Oil Spill Clean-Up Operations. Application Services, Inc.

Van Vleet, E.S. 1991. Review of Sedimentary Hydrocarbon Data from EXXON VALDEZ Oil Spill. EXXON Corporation.

Van Vleet, E.S., W.M. Sackett and J.S. Barre. 1992. Report on the Investigation of the Absorption and Release of Preservatives in Stone Crab Traps. Organized Fishermen of Florida.

PAST GRANTS AND CONTRACTS

Spatial and Temporal Variation of Crude Oil Residues in Continental Shelf Waters Offshore Western Florida. Florida Department of Natural Resources. With W.M. Sackett and W.W. Behrens (\$259,470). 1980-1982.

Inputs and Fates of Petroleum Hydrocarbons in Tampa Bay. University of South Florida President's Council Faculty Award Program (\$2,500). 1980-1981.

GC/MS Analysis of Chlorinated Hydrocarbons from Southeast Florida Continental sediments. Mote Marine Laboratory (\$600). 1983.

GCMS Analysis of Polycyclic Aromatic Hydrocarbons from Southwest Florida Continental Shelf Sediments. U.S. Mineral Management Service/Mote Marine Laboratory (\$1,750). 1983.

GCMS Analysis of Polycyclic Aromatic Hydrocarbons from Biscayne Bay, Florida sediments (\$3,000). 1983.

Hydrocarbons in Charlotte Harbor -- Florida Department of Natural Resources/Mote Marine Laboratory (\$17,950). 1981-1983.

Lipid Biochemistry of Antarctic Midwater Organisms. National Science Foundation, Div. of Polar Programs (\$40,295). 1982-1983.

GCMS Analysis of Polycyclic Aromatic Hydrocarbons. Savannah River Ecology Laboratory (\$1,000). 1984.

GCMS Analysis of Polycyclic Aromatic Hydrocarbons In Beach Tar from Southeast Florida. Florida Department of Natural Resources (\$1,200). 1984.

Hydrocarbons in Tampa Bay, Florida. Florida Department of Natural Resources (\$222,000). With L.J. Doyle, N.J. Blake and W.M. Sackett. 1984-1985.

Image Analysis System, HPLC, and Liquid Scintillation Counter for the University of South Florida's Department of Marine Science. National Science Foundation. (\$57,515). With J. Paul, P. Hallock-Muller, and G. Vargo 1985-1986.

Analysis of Jet Fuel Spilled from Aero Services Storage Tanker, June 30, 1986. Florida Department of Natural Resources (\$5,000). 1986.

Chemical Studies on the Effects of Oil on Marine Turtles. U.S. Department of Interior Minerals Management Service/Florida Institute of Oceanography (\$91,926). 1983-1985.

Oil and Sewage Contamination in Canals of Venice, Italy. Gladys Kriebel Delmas Foundation (\$4,800). 1985-1987.

Lipid Biochemistry of Antarctic Marine Organisms Collected in a Polynya During the Austral Winter and Spring. National Science Foundation. (\$52,442). 1987 - 1989.

Establishment of an Oil Pollution Research Laboratory in the People's Republic of China. USF President's Council Faculty Award Program. (\$2,000). 1988 - 1989.

Synthesis of Available Hydrocarbon Data for Tampa Bay, Florida. Southwest Florida Water Management District (Surface Water Improvement and Management Project). (\$4,693). Coordinated by L.J. Doyle. 1989.

Archaeobacterial Lipid Production and Ecology in the Orca Basin, an Anoxic Hypersaline Basin in the Gulf of Mexico. National Science Foundation. (\$173,684). 1988-1990.

Pyrolysis Studies on the Degradation of Archaeobacterial Lipids. American Chemical Society Petroleum Research Fund. (\$40,000). 1988-1990.

Synthesis of Available Hydrocarbon Data for the South Florida Oil Lease Area. U.S. Minerals Management Service/Continental Shelf Associates. (\$5,425). 1988-1990.
Plankton Dynamics and the Use of the Herbicide Aquazine in Port Manatee Aquaculture Ponds. Florida Department of Natural Resources. (\$13,860). 1991.

Review of Sedimentary Hydrocarbon Data from EXXON VALDEZ Oil Spill. EXXON Corp. (\$31,500). 1990-1992.

Coral Records of the Environment. U.S. Geological Survey. (\$32,450). 1990-1992.

Analysis of Stone Crab Trap Preservative Leaching Properties: Phase I. Organized Fishermen of Florida. (\$10,000). 1991-1992.

Analysis of Stone Crab Trap Preservative Leaching Properties: Phase II. Florida Sea Grant. (\$2,500). 1992-1992.

Accumulation of Chlorinated Pesticides in the Manatee, *Trichechus manatus*. Save the Manatee Foundation. (\$5305). 1992-1992.

Distribution and Impact of the Bouchard 155 Oil Spill on Mangrove Islands, Johns Pass Area, Boca Ciega Bay, Florida: Phase I - Initial Surveys. U.S. Geological Survey. (with R.A. Davis and C.J. Dawes). (\$2500). 1993-1994.

Distribution and Impact of the Bouchard 155 Oil Spill on Mangrove Islands, Johns Pass Area, Boca Ciega Bay, Florida. Florida Sea Grant. (with R.A. Davis and C.J. Dawes). (\$7000). 1993-1994.

Tampa Bay Oil Spill: Assessment of Oil Contamination in John's Pass. Florida Department of Environmental Protection. (\$48,300). 1994.

Follow-Up Studies on the Accumulation, Release, and Toxicity of Oil, Pesticide and Sewage Contamination in the Canals of Venice, Italy. Gladys Kriebel Delmas Foundation. (\$17,000). 1994-1995.

Analysis of Lipids in the Zygomatic Process of the Squamosal Bone of the Florida Manatee, *Trichechus manatus latirostris*. Sea World of Florida. (with J. Reynolds - Eckerd College). (\$1000). 1995-1996.

Development of Flow-Through Toxicology Chambers for the Study of the Effects of Bunker C Fuel Oil by Subtropical Marine Organisms - Part I. Florida Department of Environmental Protection. (\$10,000). 1996.

Tampa Bay Oil Spill: Continuing Assessment of Oil Contamination in John's Pass. National Oceanic and Atmospheric Administration (Damage Assessment Office). (\$18,000). 1996.

Analysis of Lipids in the Zygomatic Process of the Squamosal Bone of the Florida Manatee, *Trichechus manatus latirostris*. Sea World of Florida. (with J. Reynolds - Eckerd College). (\$1000). 1995-1996.

Relationship Between Chemical Bulk Characteristics and Optical Response of the Colored Organic Matter in Regions of the Eastern Caribbean. NASA Graduate Student Researchers Program. (with C. Del Castillo). (\$66,000/3yr). 1994-1997.

Toxicological Effects and Metabolic Breakdown of Bunker C Fuel Oil by Subtropical Marine Organisms - Part II. American Petroleum Institute. (\$67,500/3 yr). 1996-1999.

Toxicological Effects and Metabolic Breakdown of Bunker C Fuel Oil by Subtropical Marine Organisms - Part II. Florida Department of Environmental Protection. (\$70,000/ 3 yr). 1996-1999.

Development of an Integrated End-to-End Marine Contaminant Management System. Environmental Protection Agency. (with M.J. Luther and B. Galperin. Total budget = \$588,777/3 yr). (\$35,326 = my portion). 1996-1999.

Application of New Sampling Technologies to the Long-Term Studies of Organic Pollutants in the Canals and Lagoon of Venice, Italy. Funded by the Consiglio Nazionale della Ricerche (\$4000). 1998-1999.

Investigation of the Presence of Toxic Components of Petroleum Hydrocarbons in Guanabara Bay, Brazil. Funded by Office of Naval Research (subcontract through the Center for Disaster Management and Humanitarian Assistance. With Dr. Catia Romao, IBAMA). (\$92,567) 2001-2002.

Mass Balance Fluxes between the Northern Adriatic Sea and the Lagoon of Venice: Use of Molecular Organic Biomarkers to Investigate Mass Fluxes. Funded by the Consiglio Nazionale della Ricerche (Venice, Italy) – ERCAVA Program (Exchange Rate Controlling Activity in Venice Area). February 1, 2001 – June 1, 2005. (\$119,203)

Evaluating the Long-Term Influence that Anthropogenic Inputs Have on the Biogeochemical Cycling of Carbon and on the Planktic and Benthic Bioassemblages in Tampa Bay, FL. U.S. Geological Survey (with David Hollander). March 1, 2002 – August 31, 2008. (\$262,309)

CURRENT GRANTS AND CONTRACTS

Presence of Estrogenic Endocrine Disruptors in Wastewater Effluents and their Inputs to Tampa Bay, Florida. USF Internal Award (Established Researcher Grant). March 9, 2010 – March 8, 2011. (\$5000)

MAJOR PRESENTATIONS

"The Contribution of Chronic Petroleum Inputs in Narragansett Bay and Rhode Island Sound Sediments." Presented at the Oil/Environment -- 1977 Conference in Halifax, Nova Scotia. October, 1977.

"Surface Potential and Film Pressure Measurements in Seawater Systems." Presented at the American Geophysical Union (AGU) Meeting in Washington, D.C. May, 1979.

"Evaluation of the Maturity of Sedimentary Organic Matter by Stereochemical Methods." Presented at the Florida Academy of Sciences Meeting in Tampa, Florida. May, 1980.

"Spatial and Temporal Variation of Pelagic Tar Residues in the Eastern Gulf of Mexico." Presented at the Tenth International Meeting on Organic Geochemistry in Bergen, Norway. September, 1981.

"Input of Pelagic Tar into the North Atlantic from the Gulf Loop Current -- Chemical Characterization and Its Relationship to IXTOC-I." Presented at the Ocean Pollution 1981 Conference in Halifax, Nova Scotia. October, 1981.

"Hydrocarbons in Tampa Bay: A Review." Presented at the Bay Area Scientific Information Symposium in Tampa, Florida. May, 1982.

"Oil Contamination of the Gulf of Mexico." Presented at the Gulf of Mexico -- Trends for the '80's Conference in New Orleans, Louisiana. July, 1982.

"Sedimentary Hydrocarbons in a Subtropical Environment." Presented at the Eleventh International Meeting on Organic Geochemistry in the Hague, Netherlands. September, 1983.

"Lipid Biochemistry of Antarctic Midwater Organisms." Presented at the AGU/ASLO Ocean Sciences Meeting. New Orleans, Louisiana. January, 1984.

"Changes in Sedimentary Organic Matter Constituents of Upper Miocene to Pleistocene Cores, Walvis Ridge." Presented at the AGU/ASLO Ocean Sciences Meeting. New Orleans, Louisiana. January, 1984.

"Oil Pollution Studies in the Eastern Gulf of Mexico and West Florida Coastal Waters." Presented at the Workshop on Chemical Contaminants in the Florida Coastal Zone. Gainesville, Florida. April, 1984.

"Lipid Biochemistry of Antarctic Midwater Organisms." Presented at Harbor Branch Foundation. Fort Pierce, Florida. May, 1984.

"Marine Organic Chemistry Studies at the Department of Marine Science, University of South Florida." Presented at the American Chemical Society, Florida Chapter Meeting. Lakeland, Florida. May, 1984.

"Origin of North American Basin Cretaceous Black Shales." Presented at the 189th Meeting of the American Chemical Society. Miami, Florida. April, 1985.

"Acyclic Archaeobacterial Ether Lipids in Sediments." Presented at the Florida Academy of Sciences. St. Leo, Florida. May, 1985.

"Sedimentation Processes In Black Shale Deposits." (Session Chairman) NSF/SCOPE Workshop on Black Shales. Hamburg, Germany. May, 1985.

"Cyclic Archaeobacterial Ether Lipids in Swamp and Deep Sea Sediments." Presented at the 12th International Meeting on Organic Geochemistry. Julich, German. September, 1985.

"Comparison of Anthropogenic Hydrocarbon Inputs to Two Subtropical Marine Estuaries." Presented at the International Conference on Man's Role in Changing the Global Environment. Venice, Italy. October, 1985.

"Characterization of Oil Residues Scraped from Stranded Sea Turtles from the Gulf of Mexico." Presented at the IOC/UNESCO IOCARIBE/CARIPOL Symposium on Oil Pollution in the Caribbean Sea. La Parguera, Puerto Rico. December, 1985.

"Inputs and Fates of Petroleum Hydrocarbons, Chlorinated hydrocarbons and Fecal Sterols in Venetian Canals and Coastal Waters." Presented at the 13th International Meeting on Organic Geochemistry. Venice, Italy. September, 1987.

"The Use of Archaeobacterial Ether Lipids as Natural Tracers of Biogeochemical Processes." Presented at the American Chemical Society (Florida Chapter) Meeting. Tampa, Florida. April, 1988.

"Establishment of an Oil Pollution Research Laboratory in the People's Republic of China". Five-week lecture/training course presented at the Third Institute of Oceanography, People's Republic of China. July - August, 1988.

"Lipid Content and Composition of Three Species of Antarctic Euphausiids: Ontogenetic and Seasonal Aspects". Presented at the Combined American Geophysical Union (AGU)/American Society of Limnology and Oceanography (ASLO) Meeting. San Francisco, California. November, 1988.

"Laboratory and Field Studies on the Cycling of Archaeobacterial Lipids in the Orca Basin, an Anoxic Hypersaline Basin in the Gulf of Mexico". Presented at the 14th International Meeting on Organic Geochemistry. Paris, France. September, 1989.

"pH and Alkalinity Measurements In an Anoxic, Hypersaline Basin." Presented at the combined American Geophysical Union (AGU)/American Society of Limnology and Oceanography (ASLO) meeting. San Francisco, California. November, 1989.

"Distribution of Archaeobacterial Ether in the Orca Basin Water Column. Presented at the combined American Geophysical Union (AGU)/American Society of Limnology and Oceanography (ASLO) meeting. New Orleans, Louisiana. February, 1990.

"Distribution of Archaeobacterial Ether Lipids in Orca Basin Sediments. Presented at the combined American Geophysical Union (AGU)/American Society of Limnology and Oceanography (ASLO) meeting. New Orleans, Louisiana. February, 1990.

"Spatial Variations of Phytanyl Ether Lipids in Orca Basin Sediments. Presented at the 201st National Meeting of the American Chemical Society. Atlanta, Georgia. April, 1991.

"Cycling of Archaeobacterial Lipids in the Orca Basin." Presented at Skidaway Institute of Oceanography. Savannah, Georgia. July, 1992.

"Production and Cycling of Archaeobacterial Lipids in an Anoxic, Hypersaline Basin in the Gulf of Mexico." Presented at the Institut fur Polarologie, University of Kiel. Kiel, Germany. October, 1993.

"Leaching from stone crab traps dipped in Fungitrol:diesel fuel preservative." Presented at the Florida Academy of Sciences Meeting. Eckerd College. March, 1993.

"Environmental Distribution of Oil-Related Hydrocarbons following a spill of Number 6 Fuel Oil in Tampa Bay, Florida." Presented at the Symposium on Gulf of Mexico and Caribbean Oil Spills in Coastal Ecosystems. New Orleans, Louisiana. July, 1994.

"Chemical Fate of Bunker C Fuel Oil Following a Spill in Tampa Bay, Florida." Presented at the Istituto di Biologia del Mare. Venice Italy. April, 1995.

"Pesticide residues in the West Indian manatee, Trichechus manatus." Presented at the 11th Biennial Conference on the Biology of Marine Mammals. Orlando, Florida. December, 1995.

"Results on the use of stable carbon isotope analysis for determining the dietary habits of the Florida manatee, Trichechus manatus latirostris." Presented at the 11th Biennial Conference on the Biology of Marine Mammals. Orlando, Florida. December, 1995.

"Copper, cadmium and zinc in liver, kidney and muscle tissues of bottlenose dolphins (Tursiops truncatus) stranded in Florida." Presented at the 11th Biennial Conference on the Biology of Marine Mammals. Orlando, Florida. December, 1995.

"Chemical Fate of Bunker C Fuel Oil in a Subtropical Marine Environment." Presented at the 212th Annual Conference of the American Chemical Society. Orlando, FL. August, 1996.

"Desorption of Polycyclic Aromatic Hydrocarbons from Calcite and Quartz Sediments to Seawater". Presented at the 212th Annual Conference of the American Chemical Society. Orlando, FL. August, 1996.

"Determination of Seawater Solubility of PAHs Using Solid-Phase Extraction Cartridges." Presented at the 3rd International Ocean Pollution Symposium. Ft. Pierce, Florida. April, 1997.

"Organochlorine Residues in the Florida Manatee, *Trichechus manatus latirostris*." Presented at the 3rd International Ocean Pollution Symposium. Ft. Pierce, Florida. April, 1997.

"Studies on the Toxicity of Oil and Oil Dispersants to Florida Marine Species." Presented at the 6th Semi-Annual CROSERF Meeting (Chemical Response to Oil Spills: Ecological Research Forum). April, 1997.

Sublethal Injury to Red Mangroves Two Years after Oiling." Presented at the 1997 International Oil Spill conference. Ft. Lauderdale, Florida. April, 1997.

"Clam Transplantation and Stress - Related Biomarkers as Useful Tools to Assess Water Quality in Coastal Environments." Presented at the 2nd International Conference on Marine Pollution and Toxicology. Hong Kong. June, 1997.

"Long-Term Chemical and Biological Changes Resulting from a Spill of Bunker C Fuel Oil in a Subtropical Marine Environment." Presented at the University of Southern Mississippi. May, 1998.

"The Fate of Spilled Oil in Marine and Freshwater Environments." Presented at the 1st Latin American Conference on Contaminated Soil and Water. Quito, Ecuador. May, 1998.

“The Fate of Bunker C Fuel Oil Following a Spill in a Subtropical Marine Environment.” Presented at the 1st Latin American Conference on Contaminated Soil and Water. Quito, Ecuador. May, 1998.

“Characterization of Lipids in the Zygomatic Process of the Squamosal Bone in the Florida Manatee, *Trichechus manatus latirostris*.” Presented at the 78th Annual Meeting of the American Society of Mammalogists. Blacksburg, VA. July, 1998.

“The Use of Pesticides and Stable Carbon Isotopes to Investigate Feeding Strategies in the Florida Manatee, *Trichechus manatus latirostris*.” Presented at the Marine Mammalogy Conference. Sarasota, FL. July, 1998.

“Lipid Chemistry of the Florida Manatee, *Trichechus manatus latirostris*.” Presented at the 13th Biennial Conference of the Society of Marine Mammalogists. Wailea, Hawaii. November, 1999.

"Comparative studies on the toxicity of dispersants and dispersed oil to marine organisms - a three-year Florida study." Presented at the 2001 International Oil Spill Conference. Tampa, FL. March, 2001.

“Organic geochemical evidence for changes in carbon cycling planktic bioassemblages and terrestrial and wetland plant inputs associated with varying anthropogenic inputs in Tampa Bay, Florida.” Estuarine Research Federation (ERF) Conference. St. Petersburg, FL. November 2001

“Evaluating the long-term influence that anthropogenic changes have had in Tampa Bay, Florida: A molecular organic geochemical approach. USGS Conference “Integrated Science Tampa Bay Project”. St. Petersburg, FL. August 2001.

“Evaluating the role that regional differences in anthropogenic change have on controlling temporal variations in carbon and nitrogen cycling in Tampa Bay, FL: A comparative study of Lake Maggiore and Safety Harbor. USGS – 2nd Annual Tampa Bay Demonstration Project conference. St. Petersburg, FL. September 2002.

“Reconstructing Holocene atmospheric circulation patterns and hydrologic conditions in sub-tropical North America utilizing D/H analysis of Late Holocene sediments from Lake Tulane, Central Florida. AGU National Meeting. San Francisco, CA. December 2003

“Evaluating recent carbon cycling and ecosystem changes in altered and pristine regions in Tampa Bay: A comparative sedimentary geochemical study.” USGS Demonstration Project annual Meeting. Ruskin, FL. February 2004.

“Hydrogen isotopic ratios of lacustrine algal and terrestrial organic matter as a quantitative proxy for the reconstruction of relative humidity and source water composition in continental settings.” AGU National Meeting. Denver, CO. November 2004.

“Linking the sedimentary record in Tampa Bay to historical changes in land-use development and nutrient inputs.” USGS Integrated Science Project Annual Meeting.

Gulfport, FL. February 2004.

“Response of Marine Pelagic and Terrestrial Ecosystems to Abrupt Climate Changes During the Little Ice Age and Medieval Warm Period: A Gulf of Mexico Sedimentary Perspective”. American Society of Limnology and Oceanography (ASLO) Annual Meeting. Orlando, FL. March 2008.

“A Multiproxy Approach to Investigating Ecosystem Change in Response to the Development of Modern and Historic Low-Oxygen Conditions on the Louisiana Continental Shelf.” American Society of Limnology and Oceanography (ASLO) Annual Meeting. Orlando, FL. March 2008.

MAJOR RESEARCH CRUISES

R/V GYRE (Chief Scientist). Abidjan, Republic of the Ivory Coast, to Recife, Brazil. Organic geochemical studies on the diagenesis of organic matter in deep sea cores. June, 1976.

R/V OCEANUS. Woods Hole, Massachusetts, to Woods Hole, Massachusetts. ARGO MERCHANT oil spill studies, December, 1976.

R/V NEW HORIZON. San Diego, California, to Mazatlan, Mexico. Surface film and air-sea interaction studies. March, 1979.

R/V BELLOWS (Chief Scientist). St. Petersburg, Florida, to Key West, Florida. Pelagic tar studies. April, 1980.

R/V NEW HORIZON. San Diego, California, to San Diego, California. Surface film and air-sea interaction studies. September, 1981.

R/V NEW HORIZON. San Diego, California, to San Diego, California. Surface film and air-sea interaction studies. November, 1983.

R/V MYTILUS (Chief Scientist). Lagoon of Venice, Italy and Northern Adriatic Sea. Hydrocarbon pollution of sediments and organisms. September - October, 1985.

R/V BELLOWS (Chief Scientist). Key West, Florida, to Key West, Florida. Pelagic tar and beach tar studies in the Dry Tortugas. September, 1986.

R/V GYRE (Chief Scientist). Orca Basin, Gulf of Mexico. Archaeobacterial studies in water column and sediments. March, 1989.

R/V BELLOWS (Chief Scientist). Key West, Florida, to Key West, Florida. Follow-up studies on pelagic tar and beach tar in the Dry Tortugas. September, 1993.

R/V BELLOWS (Chief Scientist). St. Petersburg, Florida, to St. Petersburg, Florida. Long-

term studies on pelagic tar and beach tar in the Dry Tortugas. September, 1995.

R/V MYTILUS (Chief Scientist). Lagoon of Venice, Italy. Hydrocarbon pollution of sediments and organisms. Several cruises between 1997 and 2002.

R/V UMBERTO D'ANCONA (Chief Scientist). Lagoon of Venice, Italy and Northern Adriatic Sea. Organic matter fluxes between the Northern Adriatic Sea and the Lagoon of Venice. Approximately 8 cruises between 2000 and 2004.

COURSES TAUGHT

OCC 6050 Chemical Oceanography

OCC 6216 Marine Organic Chemistry

OCC 6067 Marine Pollution

OCC 6111 Applications of Gas Chromatography – Mass Spectrometry in Marine Science

OCC 6418 Petroleum Geochemistry

DISSERTATION AND THESIS CHAIRMANSHIPS

Ph.D.: Current: Cheska Burleson: "Isolation and Characterization of Bioactive Toxins from Pufferfish (dinoflagellate = *Pyrodinium bahamense*) and Red Tide Organisms (dinoflagellate = *Karenia brevis*)."

Monica Mion: "Inputs and Effects of Estrogenic Compounds and Other Endocrine Disruptors in the Marine Environment"

Candice Simmons (Co-Advisor): "Investigation of the Presence, History and Distribution of Polybrominated Diphenyl Ethers in Hillsborough Bay, a northeastern region of Tampa Bay, FL."

Past: Dana Wetzel: 2000. "Long-Term Studies on Petroleum Hydrocarbon Contamination in the Canals of Venice, Italy".

Pamela Sutton: 2001. "Solubility, Adsorption and Persistence of Aromatic Hydrocarbons in Tropical Marine Ecosystems."

Audra Ames: 2002. "Biochemical Lipid Reserves in the West Indian Manatee, *Trichechus manatus*."

M.S.: Current: Lindsey Flynn: Environmental Queues of Loggerhead Nesting Turtles in Florida"

Leslie Schwierzke-Wade (Co-Advisor): Enzyme Responses to Chemical Toxins in Marine Organisms.

- Past: Susan Reinhardt: 1984. "Lipid Biochemistry of Antarctic Midwater Organisms."
- Rosanne Joyce: 1985. "Geochemical Implications on the Provenance and Fate of Organic Rich Deep-Sea Sediments."
- George Pauly: 1985. "Lipids of Methanogenic Bacteria In Swamp and Deep Sea Sediments."
- Mark Sherwin: 1989. "Coprostanol as an Indicator of Wastewater Dispersal in Tampa Bay, Florida."
- Tamara Pease: 1990. " The Distribution of Archaeobacterial Lipids in Orca Basin Sediments."
- Holli Dickins: 1990. "The Distribution of Isopranyl Ether-Linked Lipids in the Water Column of Anoxic Hypersaline Basin."
- Jill Barre: 1993. "Environmental Impacts of the Use of Stone Crab Traps Dipped in Fungitrol: Diesel Fuel Preservative."
- Audra Ames: 1994. "Aspects of the Chemical Ecology of the West Indian Manatee, *Trichechus manatus*."
- Dana Wetzel: 1995. "Chemical Fate of Bunker C Fuel Oil in a Subtropical Marine Environment Following a Spill in Tampa Bay, Florida"
- Catherine Wood: 1995. "Toxic Metal Accumulation in the Food Chain of the Bottlenose Dolphin, *Turciops truncatus*."
- Jennifer Cummins: 2000. "Natural Products Chemistry of Bioactive Substances Isolated from Marine Sponges."
- Lucia de la Paz: 2007. "Changes in Relative Abundance and distribution of Humpback Whales, *Megaptera novaeangliae*, in Hervey Bay Marine Park during Aerial Surveys Conducted in 1992 and 2004."