

**The Flower Garden Banks  
A Chronology of Research**

This bibliography is a nearly comprehensive list of scientific publications on research conducted at the Flower Garden Banks. It also contains significant articles published outside of the scientific literature. It will be updated frequently so that it can remain current. The date of printing of the list in your possession is given at the top of each page. Please contact the Flower Garden Banks National Marine Sanctuary, 216 W. 26<sup>th</sup> Street, Ste. 104, Bryan, TX 77803 (979-779-2705) if you need an updated list.

- 1937**
- Shepard, F.P. Salt domes related to Mississippi submarine trough. *Geol. Soc. Am. Bull.* 48:1349-1361
- 1950**
- Carsey, J.B. 1950. Geology of Gulf coastal area and continental shelf. *AAPG Bull.* 34:361-385.
- 1953**
- Stetson, H.C. 1953. The sediments of the western Gulf of Mexico, Part 1 - The continental terrace of the western Gulf of Mexico: Its surface sediments, origin, and development. *Papers in Phys. Oceanogr. Meteorol., M.I.T./W.H.O.I.* 12(4):1-45.
- 1956**
- Parker, R.H. and J.R. Curry. 1956. Fauna and bathymetry of banks on continental shelf, northwestern Gulf of Mexico. *Bull. Am. Assoc. Petrol. Geol.* 40:2428-2439.
- Nettleton, L.L. 1957. Gravity survey over a Gulf coast continental shelf mount. *Geophys.* 22:630.
- 1960**
- Curry, J.R. 1960. Sediments and history of Holocene transgression, continental shelf, northwest Gulf of Mexico. pp. 221-266 In: F.P. Shepard, F.B. Phleger and T.H. Van Andel (eds.) *Recent Sediments, Northwest Gulf of Mexico*. AAPG, Tulsa, OK.
- 1963**
- Pulley, T.E. 1963. Texas to the tropics. *Houston Geol. Soc. Bull.* 6:13-19.
- 1967**
- Pierce, W.E. 1967. Flower Garden Reef. *Tex. Parks and Wildlife Mag.*, Dec., pp. 6-9.
- 1969**
- Lever, C.F. and H.C. Ferguson, Jr. 1969. Geology of the Flower Garden Banks, northwest Gulf of Mexico. *Trans. Gulf Coast Assoc. Geological Soc.* 19:89-100.
- 1970**
- Lipka, D.A. The systematics and distribution of Enoploteuthidae and Cranchiidae (Cephalopoda: Oegopsida) from the Gulf of Mexico. M.Sc. Thesis, 1970, Texas A & M University (U.S.A.), 135 pages.
- 1971**
- Edwards, G.S. 1971. Geology of the West Flower Garden Bank. Texas A&M Sea Grant Publ., TAMU-SG-71-215. 199 pp.
- 1972**
- Rezak, R. and G.S. Edwards. 1972. Carbonate sediments of the Gulf of Mexico. *Texas A&M Ocean. Stud.* 3:263-280.
- 1973**
- Cashman, C.W. 1973. Contributions to the ichthyofaunas of the West Flower Garden Reef and other reef sites in the Gulf of Mexico and western Caribbean. Ph.D. Dissertation, Texas A&M University, Dept. of Oceanography, College Station, TX. 247 pp.
- Cropper, D.A. 1973. Living Cheilostome Bryozoa of West Flower Garden Bank, northwest Gulf of Mexico. M.S. Thesis, Texas A&M University, Dept. of Oceanography, College Station, TX.
- Rezak, R. and W.R. Bryant. 1973. West Flower Garden Bank. *Trans. Gulf Coast Assoc. Geol. Soc.*, pp. 377-382.
- Sidner, B.R. and C.W. Poag. 1973. Foraminiferal evidence of late quaternary sea level fluctuations from the West Flower Garden Bank. Texas A&M University Sea Grant College. TAMU-SG-73-213. 124 pp.
- 1974**
- Bright, T.J. and L.H. Pequegnat (eds.) 1974. Biota of the West Flower Garden Bank. Gulf Publishing Company, Book Division, Houston, Texas. 435 pp.
- Burke, T.E. 1974. Echinoderms of the West Flower Garden bank. M.S. Thesis, Texas A&M University, Dept. of Oceanography, College Station, TX.
- Ray, J.P. 1974. A study of the coral reef crustaceans (Decapoda and Stomatopoda) of two Gulf of Mexico reef systems: West Flower Garden, Texas and Isla de Lobos, Veracruz, Mexico. Ph.D. Dissertation, Texas A&M University, Dept. of Oceanography, College Station, TX.
- Tresslar, R.C. 1974. The living benthonic foraminiferal fauna of the West Flower Garden Bank coral reef and biostrome. M.S. Thesis, Texas A&M University, Dept. of Oceanography, College Station, TX. 239 pp.

## 1975

- Abbott, R.E. 1975. The faunal composition of the algal-sponge zone of the Flower Garden Banks, northwest Gulf of Mexico. M.S. Thesis, Texas A&M University, Dept. of Oceanography, College Station, TX. 205 pp.
- Dubois, R. 1975. A comparison of the distribution of the Echinodermata of a coral community with that of a nearby rock outcrop on the Texas continental shelf. M.S. Thesis, Texas A&M University, Dept. of Oceanography, College Station, TX.
- Etter, P.C and J.D. Cochrane. 1975. Water temperature on the Texas-Louisiana shelf. Marine Advisory Bull., Texas A&M Sea Grant Publ., TAMU-SG-75-604.
- Hogg, D.M. 1975. Formation, growth, structure, and distribution of calcareous algal nodules on the Flower Garden banks. M.S. Thesis, Dept. of Oceanography, Texas A&M Univ., College Station, TX. 59 pp.
- Lipka, D.A. 1975. The systematics and zoogeography of cephalopods from the Gulf of Mexico. Ph.D. Dissertation, 1975, Texas A&M University, College Station, TX. 346 pages.
- Teerling, J. 1975. A survey of sponges from the northwestern Gulf of Mexico. Ph.D. Dissertation, University of Southwestern Louisiana, Dept. of Biology, Lafayette, LA. 186 pp.

## 1976

- Bernard, B.B., J.M. Brooks, and W.M. Sackett. 1976. Natural gas seepage in the Gulf of Mexico. *Earth Planet Sci. Lett.* 31:47-54.
- Bright, T.J. and R. Rezak. 1976. A biological and geological reconnaissance of selected topographical features on the Texas continental shelf. Final Rept. to U.S. Dept. of Interior, Bureau of Land Management. Contract No. 08550-CT5-4. 377 pp.
- Defenbaugh, R.E. 1976. A study of the benthic macroinvertebrates of the continental shelf of the northern Gulf of Mexico. Ph.D. Dissertation, Texas A&M University, Dept. of Oceanography, College Station, TX. 410 pp.
- Sonnier, F., J. Teerling and H.D. Hoese. 1976. Observations on the offshore reef and platform fish fauna of Louisiana. *Copeia* 1:105-111.
- Wills, J.B. 1976. Benthonic Polychaeta of the West Flower Garden Bank. M.S. Thesis, University of Houston, Dept. of Biology, Houston, TX. 181 pp.

## 1977

- Bright, T.J. 1977. Coral reefs, nepheloid layers, gas seeps and brine flows on hard-banks in the northwestern Gulf of Mexico. *Proc. Third Int. Coral Reef Symp.* 1:39-46.
- Bright, T.J. and R. Rezak. 1977. Reconnaissance of reefs and fishing banks of the Texas continental shelf. Ch. 6, pp. 113-150 In: R.A. Geyer (ed.) *Submersibles and Their Use in Oceanography*. Elsevier, New York.

Jorgensen, B.B. 1977. Bacterial sulfate reduction within reduced microniches of oxidized marine sediments. *Mar. Biol.* 41:7-17.

Marine Technical Consulting Services (MTCS). (T.J. Bright, R. Rezak, G. Boland, R. Abbott, and R. Putt: contributing authors). 1977. *Ecological Assessments of Drilling Activities: High Island East Addition (Block A-384)*. Prepared for Union Oil of California by Marine Technical Consulting Services, Bryan, Texas. 185 p.

McGrail, D.W. 1977. Shelf edge currents and sediment transport in the northwest Gulf of Mexico. *Trans. Am. Geophys. Union* 58:1160 (abstract).

McGrail, D.W. and R. Rezak. 1977. Internal waves and the nepheloid layer on continental shelf in the Gulf of Mexico. *Trans. Gulf Coast Assoc. Geol. Soc.* 27:123-124.

Rezak, R. 1977. West Flower Garden Bank, Gulf of Mexico. *Stud. Geol.* 4:27-35.

## 1978

Bright, T.J. and R. Rezak. 1978. Northwestern Gulf of Mexico topographic features study. Final Rept. to U.S. Dept. of Interior, Bureau of Land Management. Contract No. AA550-CT7-15.

Bright, T.J. and R. Rezak. 1978. South Texas Topographic Features Study. Draft Final Report to U.S. Dept. of Interior, Bureau of Land Management. Contract No. AA550-CT6-18.

Giammona, C.P. 1978. Octocorals in the Gulf of Mexico - their taxonomy and distribution with remarks on their paleontology. Ph.D. Dissertation, Texas A&M University, Dept. of Oceanography, College Station, TX. 260 pp.

McGrail, D.W. 1978. Boundary layer processes, mixed bottom layers, and turbid layers on continental shelves. *Trans. Am. Geophys. Union* 59:1110 (abstract).

McGrail, D.W. and D.W. Huff. 1978. Shelf sediment and local flow phenomena: in situ observations. Program AAPG-SEPM Ann. Conv. p. 93.

## 1979

Abbott, R.E. 1979. Ecological processes affecting the reef coral population at the East Flower Garden Bank, northwest Gulf of Mexico. Ph.D. Dissertation, Texas A&M Univ., Dept. of Oceanography, College Station, TX. 154 pp.

Brooks, J.M., T.J. Bright, B. Bernard, and C. Schwab. 1979. Chemical aspects of a brine seep at the East Flower Garden Bank, northwestern Gulf of Mexico. *Limnol. Oceanogr.* 24(4):735-745.

Lauer, R.D. 1979. Sulfur deposition in the East Flower Gardens, Gulf of Mexico. M.S. Thesis, Florida State Univ. 33 pp.

Leuterman, A. 1979. The taxonomy and systematics of the Gymnolaemate and Stenolaemate Bryozoa of the northwest Gulf of Mexico. Ph.D. Dissertation, Texas A&M University, Dept. of Oceanography, College Station, TX.

#### 1980

Bright, T.J., P.A. LaRock, R.D. Lauer, and J.M. Brooks. 1980a. A brine seep at the East Flower Garden Bank, northwestern Gulf of Mexico. *Int. Rev. Ges. Hydrobiol.* 65(4):535-549.

Bright, T.J., E.N. Powell, and R. Rezak. 1980b. Environmental effects of a natural brine seep at the East Flower Garden Bank, northwestern Gulf of Mexico. pp. 291-316 In: R.A. Geyer (ed.) *Marine Environmental Pollution*. Elsevier Publishing Co., Amsterdam.

Hudson, J.H. and D.M. Robbin. 1980. Effects of drilling mud on the growth rate of the reef-building coral, *Montastrea annularis*. pp. 455-470 In R.A. Geyer (ed.) *Marine Environmental Pollution*, Vol. 1: Hydrocarbons. Elsevier Scientific Publishing Company, New York. 591 pp.

Trippet, A. 1980. Maps showing geology of East and West Flower Garden Banks, Northwest Gulf of Mexico. USGS Miscellaneous Field Studies Map MF-1232, 1 sheet.

Viada, S.T. 1980. Species composition and population levels of scleractinian corals within the *Diploria-Montastrea-Porites* zone of the East Flower Garden Bank., northwest Gulf of Mexico. M.S. Thesis Dept. of Oceanography, Texas A&M University, College Station, TX. 96 pp.

#### 1981

Poag, C.W. and Tresslar, R.C. 1981. Living foraminifers of West Flower Garden Bank, northernmost coral reef in the Gulf of Mexico. *Micropaleontology*, 27(1), 31-70.

Powell, E.N. and T.J. Bright. 1981. A thionibios does exist: Gnathostomulid domination of the canyon community at the East Flower Garden Brine Seep. *Int. Rev. Ges. Hydrobiol.* 66(5):675-683.

Powell, E.N., T.J. Bright, A. Woods, S.R. Gittings, and J. Johansen. 1981. The East Flower Garden Brine Seep: implications for benthic community structure. Rep. to U.S. Dept. of Commerce, NOAA Office of Coastal Zone Management. Contract No. NA80-AA-H-CZ118. Texas A&M University, Dept. of Oceanography Tech. Rep. No. 81-6-T.

Rezak, R. and T.J. Bright (eds.). 1981a. Northern Gulf of Mexico topographic features study. (5 vol.). Final Report to the U.S. Department of Interior, Bureau of Land Management. Contract #AA551-CT8-35.

Rezak, R. and T.J. Bright. 1981b. Seafloor instability at the East Flower Garden Bank, northwest Gulf of Mexico. *Geo-Marine Lett.* 1(2):97-103.

#### 1982

Eiseman, N.J. and S.M. Blair. 1982. New records and range extensions of deepwater algae from East Flower Garden Bank, northwestern Gulf of Mexico. *Contr. Mar. Sci.* 25:21-26.

Kraemer, G.P. 1982. Population levels and growth rates of the scleractinian corals within the *Diploria-Montastrea-Porites* zones of the East and West Flower Garden banks. M.S. Thesis, Texas A&M Univ., College Station, TX. 138 pp.

McGrail, D.W. 1982. Anomalous flow on the outer continental shelf in the Gulf of Mexico and its effects on sediment transport. *Trans. Am. Geophys. Union* 63(3):65 (abstract).

McGrail, D.W., T.M. Cecil and F.B. Halper. 1982a. Stacking of nepheloid and boundary layers at the shelf edge in the Gulf of Mexico. *Trans. Am. Geophys. Union* 63:988 (abstract).

McGrail, D.W., F. Halper, D. Horne, T. Cecil, and M. Carnes. 1982b. Time series data report. Northern Gulf of Mexico topographic features study. U.S. Dept. of Interior, Bureau of Land Management. Contract No. AA851-CT0-25. Dept. of Oceanography, Texas A&M University, Tech. Rep. 82-5-T. 155 pp.

McGrail, D.W., R. Rezak and T.J. Bright. 1982c. Environmental studies at the Flower Gardens and selected banks. Northwest Gulf of Mexico, 1979-1981. Final Rept. to Minerals Management Service, Contract AA851-CT0-25. NTIS Order No. PB83-101303.

Rezak R., McGrail DW, Bright TJ. 1982. Environmental studies at the Flower Gardens and selected banks: Northwestern Gulf of Mexico, 1979-1981. Final Report, Northern Gulf of Mexico Topographic Features Study, Technical Report No. 82-7-T, Texas A&M University, College Geosciences, College Station TX, 315 pp

Stafford, J.M. 1982. An evaluation of the carbonate cements and their diagenesis on selected banks, outer continental shelf, northern Gulf of Mexico. M.S. Thesis, Texas A&M University, Dept. of Oceanography, College Station, TX. 78 pp.

Woods, A. 1982. Effects of a sulfide system produced by a natural brine seep on sandy-bottom community structure at the East Flower Garden Bank, northwest Gulf of Mexico. M.S. Thesis, Texas A&M University, Dept. of Oceanography, College Station, TX. 87 pp.

#### 1983

Boland, G.S., B.J. Gallaway, J.S. Baker, and G.S. Lewbel. 1983. Ecological effects on energy development on reef fish of the Flower Garden Banks. National Marine Fisheries, Galveston, Texas. Contract No. NA80-GA-C-00057. 466 pp.

Bright, T.J. 1983. Flower Garden reefs - fragile beauty. *Texas Parks and Wildlife* 41(4):8-11.

Dodge, R.E. and J.C. Lang 1983. Environmental correlates of hermatypic coral (*Montastrea annularis*) growth on the East Flower Garden Bank, northwest Gulf of Mexico. *Limnol. Oceanogr.* 28(2):228-240.

Gittings, S.R. 1983. Hard-bottom macrofauna of the East Flower Garden Brine Seep: impact of a long term, point-source brine discharge. M.S. Thesis, Texas A&M University, Dept. of Oceanography, College Station, TX. 74 pp.

Kennedy, E.A., W.E. Pequegnat, G.F. Hubbard, B.M. James, and C.M. Potter. 1983. Ecological survey of the macroinfaunal community near the Flower Garden Banks. Report by TerEco Corporation for National Marine Fisheries Service, SEFC Galveston Laboratory, Galveston, Texas. Contract No. NA80-GA-C-0075. 130pp + appendices.

McGrail, D.W. and M.R. Carnes. 1983. Shelf edge dynamics and the nepheloid layer. pp. 251-264 In: D.J. Stanley and G.T. Moore (eds.) *Shelf Break: Critical Interface on Continental Margins*. Soc. Econ. Paleontol. Mineral., Special Pub. No. 33.

Powell, E.N., T.J. Bright, A. Woods, and S.R. Gittings. 1983. Meiofauna and the thibios in the East Flower Garden Brine Seep. *Mar. Biol.* 73:269-283.

Rezak, R., T.J. Bright, and D.W. McGrail (eds.). 1983. Reefs and banks of the northwestern Gulf of Mexico: their geological, biological, and physical dynamics. U.S. Dept. of Interior, Minerals Management Service, Gulf of Mexico OCS Regional Office, New Orleans, LA. Dept. of Oceanography, Texas A&M University, Tech. Rept. No. 83-1-T.

#### 1984

Bright, T.J., G.P. Kraemer, G.A. Minnery and S.T. Viada. 1984. Hermatypes of the Flower Garden banks, northwestern Gulf of Mexico: a comparison to other western Atlantic reefs. *Bull. Mar. Sci.* 34(3):461-476.

Continental Shelf Associates, Inc. 1984. Impact assessment following an anchoring incident at the East Flower Garden Bank coral reef. Rept. to Mobil Producing Texas and New Mexico, Inc., Offshore Texas Division, The Woodlands, TX.

Gittings, S.R., T.J. Bright, and E.N. Powell. 1984. Hard-bottom macrofauna of the East Flower Garden Brine Seep: impact of a long-term, sulfurous brine discharge. *Contr. Mar. Sci.* 27:105-125.

Minnery, G.A. 1984. Distribution, growth rates and diagenesis of coralline algal structures on the Flower Garden Banks, northwestern Gulf of Mexico. Ph.D. Dissertation, Texas A&M University, Dept. of Oceanography, College Station, TX.

Zastrow, C.E. 1984. Age and growth of the red snapper, *Lutjanus campechanus*, and the vermilion snapper, *Rhomboplites aurorubens*, from the northwestern Gulf of Mexico. M.S. Thesis, Texas A&M University, Dept. of Oceanography, College Station, TX.

#### 1985

Continental Shelf Associates, Inc. 1985. Environmental monitoring program for Platform "A", Lease OCS-G-2759, High Island Area, South Extension, East Addition, Block A-389, near the East Flower Garden Bank. Rept. to Mobil Producing Texas and New Mexico, Inc., The Woodlands, TX. 353 pp. + appendices.

Baggett, L.S. 1985. Patterns of coral recruitment at the East Flower Garden bank. M.S. Thesis, Texas A&M University, Dept. of Oceanography, College Station, TX. 55 pp.

Baggett, L.S. and T.J. Bright. 1985. Coral recruitment at the East Flower Garden Reef (northwestern Gulf of Mexico). *Proc. 5th Int. Coral Reef Cong.* 4:379-384.

Bright, T.J., D.W. McGrail, R. Rezak, G.S. Boland and A.R. Trippet. 1985. The Flower Gardens: A compendium of information. U.S. Dept. of Interior Minerals Management Service, Gulf of Mexico OCS Region Office, New Orleans, LA. OCS Studies/MMS 85-0024. 103 pp.

Dennis, G.D. 1985. Reef fish assemblages on hard banks in the northwestern Gulf of Mexico. M.S. Thesis, Texas A&M University, Dept. of Oceanography, College Station, TX. 184 pp.

Gittings, S.R. 1985. Notes on barnacles (Cirripedia: Thoracica) from the Gulf of Mexico. *Gulf Research Reports* 8(1):35-41.

Jensen, P. 1985. The nematode fauna in the sulphide-rich brine seep and adjacent bottoms of the East Flower Garden, NW Gulf of Mexico. I. Chromadorida. *Zool. Ser.* 14:247-263.

McGowan, M.F. 1985. Ichthyoplankton of the Flower Garden Banks, northwest Gulf of Mexico. Ph.D. Dissertation, University of Miami, Coral Gables, FL.

Minnery, G.A., R. Rezak and T.J. Bright. 1985. Depth zonation and growth form of crustose coralline algae: Flower Garden Banks, northwestern Gulf of Mexico. pp. 237-246 In: D.F. Toomey and M.H. Niteck (eds.) *Paleoalgology: Contemporary Research and Applications*. Springer-Verlag, Berlin.

Nelson, R.S. 1985. Growth, mortality, and condition of cottonwick in the Gulf of Mexico. *Proc. Ann. Conf. Southeast Assoc. Fish Wildl. Agencies* 39:34-44.

Rezak, R., T.J. Bright, and D.W. McGrail. 1985. Reefs and Banks of the Northwestern Gulf of Mexico: Their Geological, Biological, and Physical Dynamics. John Wiley and Sons, New York, 259 pp.

#### 1986

Gittings, S.R. and T.J. Bright. 1986. Assessment of coral recovery following an incident of anchoring damage at the East Flower Garden Bank, northwest Gulf of Mexico. Final Report to NOAA National Marine Sanctuaries Division. Contract No. NA85AA-H-CZ015. 45 pp.

Gittings, S.R., G.D. Dennis, and H.W. Harry. 1986. Annotated Guide to the Barnacles of the Northern Gulf of Mexico. Sea Grant College Program, Texas A&M University, College Station, Texas. TAMU-SG-86-402. 36 pp.

Jensen, P. 1986a. The nematode fauna in the sulphide-rich brine seep and adjacent bottoms of the East Flower Garden, NW Gulf of Mexico. I. Chromadorida. *Zool. Scr.* 14:247-263.

Jensen, P. 1986b. The nematode fauna in the sulphide-rich brine seep and adjacent bottoms of the East Flower Garden, NW Gulf of Mexico. II. Monhysterida. *Zool. Scr.* 15:1-11.

Jensen, P. 1986c. The nematode fauna in the sulphide-rich brine seep and adjacent bottoms of the East Flower Garden, NW Gulf of Mexico. III. Enoplida. *Zool. Scr.* 15(2):93-99.

Jensen, P. 1986d. The nematode fauna in the sulphide-rich brine seep and adjacent bottoms of the East Flower Garden, NW Gulf of Mexico. III. Enoplida. *Zool. Scr.* 15:93-99.

Jensen, P. 1986c. The nematode fauna in the sulphide-rich brine seep and adjacent bottoms of the East Flower Garden, NW Gulf of Mexico. IV. Ecological aspects. *Mar. Biol.* 92:489-503.

Powell, E.N., T.J. Bright, and J.M. Brooks. 1986. The effects of sulfide and an increased food supply on the microfauna and macrofauna at the East Flower Garden brine seep. *Helv. Meers.* 40:57-82.

#### 1987

Gittings, S.R. and T.J. Bright. 1987. Mass mortality of *Diadema antillarum* at the Flower Garden banks, northwest Gulf of Mexico: effect on algae and coral cover. Benthic Ecology Meetings, Raleigh, North Carolina (abstract).

#### 1988

Archer, J.H. 1988. The proposed Flower Garden Banks Marine Sanctuary: protecting marine resources under international law. *Oceanus* 31(1):54-58.

Dennis, G.D. and T.J. Bright. 1988. New Records of Fishes in the Northwestern Gulf of Mexico, with notes on some rare species. *Northeast Gulf Science*. Vol. 10, no.1:1-18.

Dennis, G.D. and T.J. Bright. 1988. Reef fish assemblages on hard banks in the northwestern Gulf of Mexico. *Bull. Mar. Sci.* 43(2):280-307.

Martin, N. 1988. The Flower Gardens. *Texas Shores* (Texas A&M Sea Grant College Program). Volume 20, Number 4.

#### 1989

Gittings, S.R., K.J. Deslarzes, G.S. Boland, and T.J. Bright. 1989. Ecological monitoring at the Texas Flower Garden Banks. *Oceans '89, Proceedings* 1:59-62. IEEE Publ. No. 89CH2780-5.

Kendall, J.J. and T.J. Bright. 1989. An analysis of biotic interactions on the East Flower Garden Bank (Gulf of Mexico) using short-term time-lapse photography. *Proc.: American Academy of Underwater Sciences*, 9th Annual Symposium. pp. 175-190.

#### 1990

Brooks, J. M., et al. 1990. Salt, Seeps and Symbiosis in the Gulf of Mexico. A preliminary report of Deepwater Discoveries using DSV Alvin. *Eos*, vol.71, no.45, pp. 1772-1773.

Continental Shelf Associates, Inc. 1990. Environmental monitoring program for Exploratory Well #1, lease OCS-G-6264, High Island Area, South Extension, East Addition, Block A-401, near the West Flower Garden Bank. Rept. to Union Oil Company of California, Houston, TX. 35 pp. + appendices.

Gittings, S.R., G.S. Boland, B.S. Holland, and K.J.P. Deslarzes. 1990. Ecological monitoring program at the Flower Garden Banks. pp. 203-206 In: Minerals Management Service. *Proc.: Tenth Annual Information Transfer Meeting*. U.S. Dept. of Interior. Minerals Management Service. New Orleans, LA. MMS Contract No. 14-35-0001-30499. OCS Study/MMS 90-0027. 441 pp.

Gittings, S.R., T.J. Bright, K.J.P. Deslarzes, B.S. Holland and G.S. Boland. 1990. Ecological monitoring on the Flower Garden Banks: study design and field methods. *Proc.: American Academy of Underwater Sciences*, 10th Annual Symposium. pp. 107-118.

Minnery, G.A. 1990. Crustose coralline algae from the Flower Garden Banks, northwestern Gulf of Mexico: controls on distribution and growth morphology. *J. Sed. Pet.* 60:992-1007.

Rezak, R., S.R. Gittings, and T.J. Bright. 1990. Biotic assemblages and ecological controls on reefs and banks of the northwest Gulf of Mexico. *Am. Zool.* 30:23-35.

#### 1991

Bright, T.J. 1991. First direct sighting of star coral spawning. *Texas Shores* (Texas A&M University Sea Grant Program) 24(1):2.

Bright, T.J., S.R. Gittings, and R. Zingula. 1991. Occurrence of Atlantic reef corals on offshore platforms in the northwestern Gulf of Mexico. *NE Gulf Sci.* 12(1):55-60.

Deslarzes, Kenneth J.P., P.N. Boothe, and S.R. Gittings. 1991. Incorporation of trace elements in the coral *Montastrea annularis* at the West Flower Garden Bank, NW Gulf of Mexico. *Proc. MMS ITM* 1991.

Gittings, S.R. and G.S. Boland. 1991. Long-term monitoring on the Flower Garden Banks: study design and field methods. pp. 24-28 In: *Proc.: Eleventh Ann. Gulf of Mexico Information Transfer Meeting*. U.S. Dept. of Interior, Minerals Management Service, New Orleans, LA. Contract No. 14-35-0001-30499. OCS Study MMS-91-0040. 524 pp.

Gittings, S.R., Kenneth J.P. Deslarzes, and D.K. Hagman. 1991. Long-term Monitoring on the Flower Garden Banks: Preliminary Results. MMS ITM Summary.

Holland, B.S. 1991. Mitochondrial DNA sequence variation of the 16s rRNA gene from five Western Atlantic populations of the coral *Montastrea annularis*. M.S. Thesis, Department of Oceanography, Texas A&M University, College Station, TX. 56 pp.

Kendrick, A.W. 1991. Designating marine protected areas in the United States and Ecuador: understanding the decision-making process. M.S. Thesis, Department of Wildlife and Fisheries Sciences, Texas A&M University, College Station, TX. 88 pp.

U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration. 1991. Final Environmental Impact Statement and Management Plan for the Proposed Flower Garden Banks National Marine Sanctuary. Sanctuaries and Reserves Division, Office of Ocean and Coastal Resource Management, 1825 Connecticut Ave., Suite 714, Washington, D.C. 20235. 145 pp.

## 1992

Bright, T.J., S.R. Gittings, G.S. Boland, K.J.P. Deslarzes, C.L. Combs and B.S. Holland. 1992. Mass spawning of reef corals at the Flower Garden Banks, NW Gulf of Mexico. *Proc. 7th Int. Coral Reef Symp.* 1:500 (abstract)

Deslarzes, K.J.P. 1992. Long-term monitoring of reef corals at the Flower Garden Banks (northwest Gulf of Mexico): reef coral population changes and historical incorporation of barium in *Montastrea annularis*. Ph.D. Dissertation, Texas A&M University, Dept. of Oceanography, College Station, TX. 170 pp.

Deslarzes, K.J.P., P.N. Boothe, and S.R. Gittings. 1992. Incorporation of trace elements in the coral *Montastraea annularis* at the West Flower Garden Bank, northwest Gulf of Mexico. 12th Ann. Information Transfer Meeting, November 1991. U.S. Dept. of Interior, Minerals Management Service, New Orleans, LA. MMS Contract 14-35-0001-30499. OCS Study MMS 92-0027. 560 pp.

Gittings, S.R. 1992. Historic data on Gulf of Mexico reef shows compatibility with drilling, production. *Offshore*. (May 1992). pp. 33-36.

Gittings, S.R., G.S. Boland, K.J.P. Deslarzes, C.L. Combs, B.S. Holland, and T.J. Bright. 1992. Mass spawning and reproductive viability of reef corals at the East Flower Garden Bank, northwest Gulf of Mexico. *Bull. Mar. Sci.* 51(3): 420-428.

Gittings, S.R., G.S. Boland, K.J.P. Deslarzes, D.K. Hagman, and B.S. Holland. 1992. Long-term monitoring at the East and West Flower Garden Banks. Final Rept. OCS Study/MMS 92-006. U.S. Dept. of Interior, Minerals Management Service, Gulf of Mexico OCS Regional Office, New Orleans, LA. 206 pp.

Gittings, S.R., T.J. Bright, W.W. Schroeder, W.W. Sager, J.S. Laswell, and R. Rezak. 1992. Invertebrate assemblages and ecological controls on topographic features in the Northeast Gulf of Mexico. *Bulletin of Marine Science* 50(3):435-455.

Gittings, S.R., K.J.P. Deslarzes, and D.K. Hagman. 1992. Long-term monitoring on the Flower Garden Banks: preliminary results. *Proc. 12th Ann. Information Transfer Meeting*, November 1991. U.S. Dept. of Interior, Minerals Management Service, New Orleans, LA. MMS Contract 14-35-0001-30499. OCS Study MMS 92-0027. 560 pp.

Gittings, S.R., K.J.P. Deslarzes, D.K. Hagman, and G.S. Boland. 1992. Reef coral populations and growth on the Flower Garden Banks, northwest Gulf of Mexico. *Proc. 7th Int. Coral Reef Symp.* 1:90-96.

Hagman, D.K. 1992. Random transect photography: use in long-term monitoring of coral populations at the Flower Garden Banks. M.S. Thesis, Texas A&M University, Dept. of Oceanography, College Station, TX. 105 pp.

Hagman, D.K. and S.R. Gittings. 1992. Coral bleaching on high latitude reefs at the Flower Garden Banks, NW Gulf of Mexico. *Proc. 7th Int. Coral Reef Symp.* 1:38-43.

Holland, B.S., S.R. Gittings, S.K. Davis, and T.J. Bright.. 1992. Application of mitochondrial DNA sequencing to studies of scleractinian larval dispersal and gene flow. *Proc. 7th Int. Coral Reef Symp.* 2:657 (abstract).

## 1993

Gittings, S.R., T.J. Bright, and D.K. Hagman. 1993. Protection and monitoring of reefs on the Flower Garden Banks, 1972-1992. In: Ginsburg, R.N. (Compiler) *Proc. Coll. on Global Aspects of Coral Reefs: Healths, Hazards and History*. Miami, FL. pp. 181-187.

## 1994

Gittings, S.R., G.S. Boland, C.R.B. Merritt, J.J. Kendall, K.J.P. Deslarzes, and J. Hart. 1994. Mass Spawning by reef corals in the Gulf of Mexico and Caribbean Sea. A Report on Project Reef Spawn '94. Flower Gardens Fund Technical Series Report Number 94-03. 24 pp.

Gittings, S.R. and D.K. Hagman. 1994. Reef Research Rendezvous. A Report on Science in the Flower Garden Banks National Marine Sanctuary. Flower Gardens Fund Technical Series Report Number 94-02.

Gittings, S.R. and C.L. Ostrom. 1994. Handshakes curb heartaches: cooperation the key to conservation at the Flower Gardens. *Proc. 14th Information Transfer Meeting*, 1993. U.S. Dept. of Interior, Minerals Management

Service, New Orleans, LA.. OCS Study MMS 96-0024. pp. 49-54.

Kennicutt, M.C., II, ed. 1994. Gulf of Mexico Offshore Operations Monitoring Experiment, Phase 1: Sublethal responses to contaminant exposure. Interim Rept., Year 1. OCS Study MMS 94-0005. U.S. Dept. of Interior, Minerals Management Service, Gulf of Mexico OCS Region, New Orleans, LA. 304 pp.

#### 1995

Deslarzes, K.J.P., P.N. Boothe, B.J. Presley, and G.L. Steinmetz. 1995. Historical incorporation of barium in the reef building coral *Montastrea annularis* at the Flower Garden Banks, northwest Gulf of Mexico. *Mar. Poll. Bull.* 30(11): 718-722.

Gittings, S.R. 1995. Conserving marine biodiversity: the potential and limitations of protected areas. *Current: The Journal of Marine Education* 13(2):22-25.

Gittings, S.R. 1995. Down under...out yonder: Texas A&M scientists immersed in history, protection, and research at the Flower Gardens. *Quarterdeck* (Texas A&M Dept. of Oceanography) 3(3):8-11.

Kennicutt, M.C., J.M. Brooks, S. Carr, R. Darnell, R.E. Fay, R.H. Green, D. Harper, J. McEachran, P. Montagna, B.J. Presley, R. Rezak, S. Safe, J.W. Fournie, S.J. McDonald, D.A.. Wiesenburg, F.J. Kelly, T. Wade, and G.A. Wolff. 1995. Gulf of Mexico Offshore Monitoring Experiment (GOOMEX) Phase I: Sublethal Response of Contaminant Exposure. Final Report. Technical Summary: MMS Publication 95-0045.

Slowey, N.C. and T.J. Crowley. 1995. Coral cores from the Flower Gardens: a new tool for studying climate. *Quarterdeck* (Texas A&M Dept. of Oceanography) 3(3):4-7.

Slowey, N.C. and T.J. Crowley, 1995. Interdecadal variability of Northern Hemisphere circulation recorded by Gulf of Mexico corals. *Geophysical Research Letters* 22(17): 2345-2348.

#### 1996

Adams, C.L. 1996. Species composition, abundance, and depth zonation of sponges (Phylum Porifera) on an outer continental shelf gas production platform, northwestern Gulf of Mexico. M.S. Thesis, Texas A&M Corpus Christi. TAMU-CC-9601-CCS. 130 pp.

Childs JN. 1996. Activity patterns of mobulid rays at topographic highs in the northwest Gulf of Mexico. American Elasmobranch Society-American Society of Ichthyologists and Herpetologists, New Orleans, LA. In press.

Childs, J.N., E.L. Hickerson, and K.J.P. Deslarzes. 1996. Spatial and temporal resource use of the Flower Garden Banks by charismatic megafauna. Proc. 15th Information Transfer Meeting, December 1995. U.S. Dept. of Interior, Minerals Management Service, New Orleans, LA.. OCS Study 96-0056. pp 74-79.

Hagman, D.K. 1996. Mass spawning, in vitro fertilization, and culturing of corals at the Flower Garden Banks. Proc. 15th Information Transfer Meeting, December 1995. U.S. Dept. of Interior, Minerals Management Service, New Orleans, LA. OCS Study 96-0056. pp 62-67.

Hagman, D.K., G.S. Boland, Gittings, S.R., and K.J.P. Deslarzes. 1996. Mass spawning in the Caribbean: an unfolding puzzle of variation by species, climate and geographic location. Proc. 8th Int. Coral Reef Symposium. Abstract..

Lugo-Fernández, A. 1996. The Minerals Management Service Flower Garden Banks National Marine Sanctuary oil spill risk assessment: An example of partnership. Proc. 15th Information Transfer Meeting, December 1995. U.S. Dept. of Interior, Minerals Management Service, New Orleans, LA. OCS Study 96-0056. pp 79-80.

Ostrom, C.L. and S.R. Gittings. 1996. Flower Garden Banks National Marine Sanctuary: platform, partnerships, and resource protection. *MTS Journal* 30(2):3-7.

Pattengill, C.V., B.X. Semmens, and C.L. Ostrom. 1996. Reef fish monitoring at the Flower Garden Banks National Marine Sanctuary and Stetson Bank, northwest Gulf of Mexico. Proc. 15th Information Transfer Meeting, December 1995. U.S. Dept. of Interior, Minerals Management Service, New Orleans, LA. OCS Study 96-0056. pp 67-74.

U.S. Dept. of Interior, Minerals Management Service. 1996. Long-term monitoring at the East and West Flower Garden Banks. Prepared by Continental Shelf Assoc., Inc. OCS Study MMS 96-0046. USDO, Minerals Management Service, Gulf of Mexico OCS Region, New Orleans, LA. 77 pp. + app.

Viada, S.T. 1996. Long-term monitoring at the East and West Flower Garden Banks. Proc. 15th Information Transfer Meeting, December 1995. U.S. Dept. of Interior, Minerals Management Service, New Orleans, LA. OCS Study 96-0056. pp 55-62.

#### 1997

Bassim, K.M. 1997. Effects of temperature and ammonium on the early developmental stages of a scleractinian coral: Implications for global warming and nutrient enrichment. Dept. Biology, Univ. Southwestern Louisiana, Lafayette. 51 pp.

Bassim, K.M. 1997. Techniques for the Transport and Maintenance of Scleractinian Coral. Technical Report, Louisiana Universities Marine Consortium (LUMCON), Chauvin, LA. 10 pp.

Bassim, K.M. and P.W. Sammarco. (in press). Effects of increased temperature and ammonium on coral planulae: Implications for global warming, nutrient enrichment, and larval dispersal. Proc. Soc. Integrative and Comparative Biol., and Int. Coral Reef Soc. Meeting, 1998, Boston. Abstract.

Childs, J.N. 1997. Range extension of *Mobula tarapacana* in the northwestern Gulf of Mexico. *Gulf of Mexico Science*. 15(1): 39-40.

Gittings, S.R. 1997. Monitoring at the Flower Gardens: History and Status. *Proc. Ann. ITM, MMS*.

Gittings, S.R., C.L. Ostrom, and K.J.P. Deslarzes. 1997. Regulation by reason: Science and management in the Flower Gardens Sanctuary, northwest Gulf of Mexico. *Proc. 8th Int. Coral Reef Symposium*. 2:1967-1972.

Pattengill, C.V., B.X. Semmens, and S.R. Gittings. 1997. Reef fish trophic structure of the Flower Gardens and Stetson Bank, NW Gulf of Mexico. *Proc. 8th Int. Coral Reef Symposium* 1:1023-1028.

Rooker, J.R., G.J. Holt, C.V. Pattengill and Q. Dokken. 1997. Fish assemblages on artificial and natural reefs in the Flower Garden Banks National Marine Sanctuary, U.S.A. *Coral Reefs* 16(2): 83-92.

**1998**

Amos, A.M. 1998. Marine Protected Areas and Reserves are Vital Conservation Tools. *Gulf of Mexico Science XVI No.* 2:233.

Boland, Gregory S. 1998. Spawning Observations of the Scleractinian Coral *Colpophyllia natans* in the Northwest Gulf of Mexico. *Gulf of Mexico Science XVI No.* 2226

Childs, Jeff. 1998. Avian Diversity and Habitat Use within the Flower Garden Banks National Marine Sanctuary. *Gulf of Mexico Science XVI No.* 2:208

Childs, Jeff. 1998. Nocturnal Mooring and Parking Behavior of Three Monacanthids (Filefishes) at an Offshore Production Platform in the Northwestern Gulf of Mexico. *Gulf of Mexico Science XVI No.* 2:228.

Deslarzes, K.J.P., ed. 1998. The Flower Garden Banks (Northwest Gulf of Mexico): Environmental Characteristics and Human Interaction. OCS Report MMS 98-0010. U.S. Dept. of the Interior, Minerals Management Service, Gulf of Mexico OCS Region, New Orleans, La. 100pp.

Earle, S.A. 1998. Dedicated Issue, Flower Garden Banks National Marine Sanctuary, Foreword. *Gulf of Mexico Science XVI No.* 2:127

Gardner, J. V., L.A. Mayer, J.E. Hughes Clarke, and A. Kleiner. 1998. High-Resolution Multibeam Bathymetry of East and West Flower Gardens and Stetson Banks, Gulf of Mexico. *Gulf of Mexico Science XVI No.* 2:128

Gittings, S.R., E.L. Hickerson. 1998. Dedicated Issue, Flower Garden Banks National Marine Sanctuary, Introduction. *Gulf of Mexico Science XVI No.* 2:128.

Gittings, S.R. 1998. Reef Community Stability on the Flower Garden Banks, Northwest Gulf of Mexico. *Gulf of Mexico Science XVI No.* 2:161

Gittings, S.R. 1998. Monitoring at the Flower Gardens: history and status. *Proc. 17th Information Transfer*

Meeting, December 1997. U.S. Dept. of Interior, Minerals Management Service, New Orleans, LA.

Hagman, D.K., S.R. Gittings, and K.J.P. Deslarzes. 1998. Timing, Species Participation, and Environmental Factors influencing Annual Mass Spawning at the Flower Garden Banks (Northwest Gulf of Mexico). *Gulf of Mexico Science XVI No.* 2:70.

Hagman, D.K., S.R. Gittings, and P.D. Vize. 1998. Fertilization in Broadcast Spawning Corals of the Flower Garden Banks National Marine Sanctuary. *Gulf of Mexico Science XVI No.* 2:180

Lugo-Fernandez, Alexis. 1998. Ecological Implications of Hydrography and Circulation to the Flower Garden Banks, Northwest Gulf of Mexico. *Gulf of Mexico Science XVI No.* 2:144

Moran, R. 1998. Balancing Resource Utilization with Resource Protection: The Flower Garden Banks National Marine Sanctuary - A Success Story. *Gulf of Mexico Science XVI No.* 2:234.

Pattengill, C.V. 1998. The Structure and Persistence of Reef Fish Assemblages of the Flower Garden Banks National Marine Sanctuary. Ph. D. Dissertation. Texas A&M University. 164 pp.

Pattengill-Semmens, C.V., B.X. Semmens. 1998. An Analysis of Fish Survey Data Generated by nonexpert Volunteers in the Flower Garden Banks National Marine Sanctuary. *Gulf of Mexico Science XVI No.* 2:196

Snell, T.L., D.W. Foltz and P.W. Sammarco. 1998. Variation in Morphology vs Conservation of a Mitochondrial Gene in *Montastraea cavernosa* (Cnidaria, Scleractinia). *Gulf of Mexico Science XVI No.* 2:188

**1999**

Dartnell, P. and Gardner, J.V. 1999. Sea-Floor Images and Data from Multibeam Surveys in San Francisco Bay, Southern California, Hawaii, the Gulf of Mexico, and Lake Tahoe, California-Nevada. USGS Digital Data Series DDS-55, CD-ROM.

Dokken, Q.R., I.R. MacDonald, J.W. Tunnell, Jr., C.R. Beaver, G.S. Boland, and D.K. Hagman. 1999. Long-Term Monitoring at the East and West Flower Garden Banks, 1996-1997. U.S. Department of the Interior, Minerals Management Service, Gulf of Mexico OCS Region. OCS Study MMS99-0005

Pattengill-Semmens, C.V. 1999. Occurrence of a unique color morph in the smooth trunkfish (*Lactophrys triqueter* L.) at the Flower Garden Banks and Stetson Bank, Northwest Gulf of Mexico. *Bulletin of Marine Science*, 65(2):587-591.

**2000**

Bernhardt, S. P. Photographic Monitoring of Benthic Biota at Stetson Bank. Thesis. Texas A&M University – College Station, Texas. December 2000.



- Fredericq S., N. Phillips and B. Gavio. 2000. Observations of the macroalgae inhabiting deepwater hard bank communities in the Northwestern Gulf of Mexico. *Gulf of Mexico Science*. XVIII(2). Dec.
- Hickerson, E. L. Assessing and tracking resident, immature loggerheads (*Caretta caretta*) in and around the Flower Garden Banks, northwest Gulf of Mexico. M.S. Thesis. Texas A&M University, College Station, Texas. December 2000.
- Hickerson, Emma and M. Peccini. 2000. Using GIS to study habitat use by subadult loggerhead sea turtles (*Caretta caretta*) at the Flower Garden Banks National Marine Sanctuary in the Northwest Gulf of Mexico. Proceedings of the Nineteenth Annual Symposium on Sea Turtle Conservation and Biology. NOAA Technical Memorandum NMFS-SEFSC-443. 179-181.
- Hyde, L. J. 2000. The systematics, distribution, and ecology of the mollusks of Stetson Bank, Northwestern Gulf of Mexico, MS Thesis. Texas A&M University, Corpus Christi, Texas.
- Pattengill, C.V., S. R. Gittings, T. Shyka. 2000. Flower Garden Banks National Marine Sanctuary – A Rapid Assessment of Coral, Fish, and Algae Using the AGRRA Method. Marine Sanctuaries Conservation Series. ([www.sanctuaries.nos.noaa.gov/library/national/conseries/AGRRA.pdf](http://www.sanctuaries.nos.noaa.gov/library/national/conseries/AGRRA.pdf))
- Phillips, N. and S. Fredericq. 2000. Biogeographic and phylogenetic analysis of the Pan-tropical genus *Sargassum* with respect to the Gulf of Mexico species. *Gulf of Mexico Science*, Vol. XVIII, No. 2, Dec.
- Taylor, L.A., T.L. Holcombe, and W.R. Bryant, 2000, Bathymetry of the Northern Gulf of Mexico and the Atlantic Ocean East of Florida. World Data Center for Marine Geology and Geophysics Report no. MGG-16. Boulder CO, NOAA National Geophysical Data Center. Three color images, gazetteer of undersea feature names. <http://ngdc.noaa.gov/mgg/ibcca/ibcca.html>
- 2001**
- Barrera, Noe C. Molluscan assemblages on the Flower Garden Banks, Northwestern Gulf of Mexico. M.S. Thesis. Texas A&M University – Corpus Christi. Texas. April 2001.
- Childs, Jeffery N. The Occurrence, Habitat Use and Behavior of Sharks and Rays Associating with Topographic Highs in the Gulf of Mexico. M.S. Thesis. Texas A&M University. College Station, Texas. May 2001.
- Clark, Timothy. Population Structure of the Manta Ray, *Manta birostris*. M.S. Thesis. Texas A&M University. College Station, Texas. August 2001.
- Ditton, R.B. and C.E. Thailing 2001. The Economic Impacts of Sport Divers Using the Flower Garden Banks National Marine Sanctuary. Department of Wildlife and Fisheries Sciences, Texas A&M University, College Station, TX. 11pp. Available from the internet url: <http://lutra.tamu.edu/hdlab/downloads.htm>.
- Fama, P., Wysor B., Kooistra WHCF, Zuccarello, G. Molecular Phylogeny of the Genus *Caulerpa* (Cauleriales, Chlorophyta) inferred from Chloroplast *tufA* Gene. Submitted for publication.
- Fenner, D. 2001. Biogeography of Three Caribbean Corals (Scleractinia) and the invasion of *Tubastraea coccinea* into the Gulf of Mexico. *Bulletin of Marine Science* 69 (3): 1175-1189.
- Hagman, D.K. Reproductive dynamics of coral reef biota at the Flower Gardens. Ph.D. Dissertation. University of Texas at Austin. Texas. May, 2001.
- Hickerson, E. L. 2001. Surveys and Satellite Tracking Loggerhead Sea Turtles (*Caretta caretta*) in and around the Flower Garden Banks, Northwest Gulf of Mexico. Proceedings: Twentieth annual Gulf of Mexico information transfer meeting, December 2000. U. S. Dept. of the Interior, Minerals Management Service, Gulf of Mexico OCS Region, New Orleans, La. OCS Study MMS 2001-082. Eds. McKay, J., J. Nides, and D. Vigil.
- Kobashi\*, T., Grossman, E.L., Yancey, T.E., and Dockery, D.T. III, 2001. Reevaluation of conflicting Eocene tropical temperature estimates: Molluscan oxygen-isotope evidence for warm low-latitudes. *Geology*, v. 29. p. 983-986.
- Lang, J.C., Deslarzes, K. J. P., Schmahl, G.P. The Flower Garden Banks: remarkable reefs in the NW Gulf of Mexico. *Coral Reefs* (2001) 20:126.
- Lugo-Fernandez, Alex, K. J. P. Deslarzes, J. M. Price, G. S. Boland, M. V. Morin, 2001. Inferring probable dispersal of Flower Garden Banks Coral Larvae (Gulf of Mexico) using observed and simulated drifter trajectories. *Continental Shelf Research*. 21. 47-67.
- Scanlin, M.E. and Dunton, K. H. Del 15N and del 13C measurements of trophic structure on coral reef systems within the northwestern Gulf of Mexico. Thesis. University of Texas Marine Science Institute – Port Aransas, Texas. Dec. 2001.
- 2002**
- Beaver, Carl R. Fishery Productivity and Trophodynamics of Platform Artificial Reefs in the Northwestern Gulf of Mexico. Ph.D. Dissertation. Texas A&M University – Corpus Christi, Texas. May 2002.
- Fama, P., Wysor B., Kooistra WHCF, Zuccarello, G. Molecular Phylogeny of the Genus *Caulerpa* (Cauleriales, Chlorophyta) inferred from Chloroplast *tufA* Gene. *Journal of Phycology* 2002 (in print)
- Fujii M., S. Guimaraes & S. Fredericq. Characterization and phylogenetic affinities of the red alga *Chondrophycus flagellifera* (Rhodomelaceae, Ceramiales) from Brazil based on morphological and molecular evidence. (in review – *Phycologia*)

Schmahl, G.P. Status of the Flower Garden Banks of the Northwestern Gulf of Mexico. In *The State of Coral Reef Ecosystems of the United States and Pacific Freely Associated States: 2002*. Turgeon et al. NOAA/NCCOS. 143-150.

### 2003

Caldow, Chris, and G. M. Wellington. Patterns of annual increment formation in otoliths of pomacentrids in the tropical western Atlantic: implications for population age-structure examination. *Marine Ecology Progress Series*. 265:185-195.

Dokken, Q.R., I.R. MacDonald, J.W. Tunnell, Jr., T. Wade, K. Withers, S.J. Dilworth, T.W. Bates, C.R. Beaver, and C.M. Rigaud. 2003. Long-Term Monitoring at the East and West Flower Garden Banks, 1998-2001: Final Report. U.S. Dept. of the Interior, Minerals Management Service, Gulf of Mexico OCS Region, New Orleans, Louisiana. OCS Study MMS 2003-031. 90pp.

Gardner, Jim. Multibeam Mapping in the Outer Continental Shelf Region of the Northwestern Gulf of Mexico. Proceedings: 22<sup>nd</sup> annual Gulf of Mexico Information Transfer Meeting, January 2003. U.S. Dept. of the Interior, Minerals Management Service, Gulf of Mexico OCS Region, New Orleans, La. OCS Study MMS2003-Eds.

Hagman, Derek K. and P. Vize. Mass spawning by two brittle star species, *Ophioderma rubicundum* and *O. squamosissimum* (Echinodermata: Ophiuroidea), at the Flower Garden Banks, Gulf of Mexico. *Bulletin of Marine Science*, 72(3): 871-876.

Kobashi, T., and Grossman, E.L., 2003. The oxygen isotopic record of seasonality in *Conus* shells and its application to understanding Late Middle Eocene (38 Ma) climate. *Paleontological Research*, v. 7, no. 4, p. 343-355.

Pattengill-Semmes, C.V., and S. R. Gittings. 2003. A Rapid Assessment of the Flower Garden Banks National Marine Sanctuary (Stony Corals, Algae and Fishes). In *Status of Coral Reefs in the Western Atlantic: Results of Initial Surveys, Atlantic and Gulf Rapid Reef Assessment (AGRRA) Program*. E. Judith C. Lang. 500-511.

Reichman, Jay R. Wilcox, T.P., and P. Vize. PCP Gene Family in *Symbiodinium* from *Hippopus hippopus*: Low levels of concerted evolution, isoform diversity, and spectral tuning of chromophores. *Molecular Biology and Evolution*, 20(12):2143-2154.

Scanlon, K.M., S.D. Ackerman, and J.E. Rozycki. 2003. Texture, Carbonate Content, and Preliminary Maps of Surficial Sediments of the Flower Garden Banks Area, Northwestern Gulf of Mexico Outer Shelf. U.S. Geological Survey Open-File Report 03-02, CD-ROM.

Schmahl, George P., E. Hickerson, D. Weaver. Biodiversity Associated with Topographic Features in the Northwestern Gulf of Mexico. Proceedings: 22<sup>nd</sup> annual

Gulf of Mexico Information Transfer Meeting, January 2003. U.S. Dept. of the Interior, Minerals Management Service, Gulf of Mexico OCS Region, New Orleans, La. OCS Study MMS2003-Eds.

Wicksten, Mary K, and M. McClure. 2003. A new species of *Alpheus* (Decapoda: Caridea: Alpheidae) from the Gulf of Mexico. *Crustacean Research*, 32: 26-31.

### 2004

Fenner, Douglas and K. Banks. 2004. Orange Cup Coral *Tubastraea coccinea* invades Florida and the Flower Garden Banks, Northwestern Gulf of Mexico. *Coral Reefs*, 23:505-507.

Kobashi, T., Grossman, E.L., Dockery, D.T. III, and Ivany, L.C., 2004. Watermass stability reconstructions from greenhouse (Eocene) to ice house (Oligocene) for the northern Gulf Coast Continental Shelf (USA). *Paleoceanography* 19, PA1022, doi:10.1029/2003PA000934.

Sammarco PW, Atchison AD and Boland GS (2004) Expansion of coral communities within the Northern Gulf of Mexico via offshore oil and gas platforms, *Marine Ecology Progress Series* 280 129-143.

Schmahl, G.P. and Emma Hickerson. 2004. Contributors: Status of Coral Reefs in the U.S. Caribbean and Gulf of Mexico: Florida, Flower Garden Banks, Puerto Rico, U.S. Virgin Islands, Navassa. In *Status of Coral Reefs of the World: 2004*. Ed. Clive Wilkinson. 431-448.

### 2005

Aronson, R.B., W.F. Precht, T.J.T. Murdoch, and M.L. Robbart. 2005. Long-Term Persistence of Coral Assemblages on the Flower Garden Banks, northwestern Gulf of Mexico: Implications for Science and Management. Dedicated Issue, Flower Garden Banks National Marine Sanctuary, *Gulf of Mexico Science*. 25(1):84-94.

Boland, G.S., and P.W. Sammarco. 2005. Observations of the Antipatharian "Black Coral" *Plumapathes pennacea* (Pallas, 1766) (Cnidaria: Anthozoa), Northwestern Gulf of Mexico. Dedicated Issue, Flower Garden Banks National Marine Sanctuary, *Gulf of Mexico Science*. 25(1):127-132.

Borneman, E.H., G.M. Wellington. 2005. Pathologies affecting reef corals at the Flower Garden Banks, northwestern Gulf of Mexico. Dedicated Issue, Flower Garden Banks National Marine Sanctuary, *Gulf of Mexico Science*. 25(1):95-106

DeBose, J. L., and M. Vecchione. 2005. First documentation of the roper inshore squid, *Loligo roperi* (Cohen 1976), in the Gulf of Mexico. Dedicated Issue,

- Flower Garden Banks National Marine Sanctuary, Gulf of Mexico Science. 25(1):132-135.
- Francis, Simone. Flow-topography interactions, particle transport and plankton dynamics at the Flower Garden Banks: a modeling study. Ph.D. Dissertation. Texas A&M University, College Station, Texas. Dec. 2005.
- Gardner, J.V., and J. Beaudoin. High-Resolution Multibeam Bathymetry and Acoustic Backscatter of Selected Northwestern Gulf of Mexico Outer Shelf Banks. Dedicated Issue, Flower Garden Banks National Marine Sanctuary, Gulf of Mexico Science, 21 (1): 5-29.
- Gavio, B., and S. Fredericq. 2005. New species and new records of offshore members of the Rhodmeniales (Rhodophyta) in the northern Gulf of Mexico. Dedicated Issue, Flower Garden Banks National Marine Sanctuary, Gulf of Mexico Science. 25(1):58-83
- Gavio, B, E.L. Hickerson, and S. Fredericq. 2005. *Platoma chrysymenioides* sp. nov. (Schizymeniaceae), and *Sebdenia integra* sp. nov. (Sebdeniaceae), two new red algal species from the northwestern Gulf of Mexico, with a phylogenetic assessment of the Cryptonemiales-complex (Rhodophyta). Dedicated Issue, Flower Garden Banks National Marine Sanctuary, Gulf of Mexico Science. 25(1):38-57
- Hickerson, Emma L. and G. P. Schmahl. 2005. Status of the Coral Reef Ecosystems of the Flower Garden Banks, Stetson Bank, and Other Banks in the Northwestern Gulf of Mexico. In The State of Coral Reef Ecosystems of the United States and Pacific Freely Associated States. NOAA/NCCOS.
- Hickerson, E., and G.P. Schmahl. 2005. Dedicated Issue, Flower Garden Banks National Marine Sanctuary, Introduction. Gulf of Mexico Science. 25 (1):2-4
- Precht, W.F., M. L. Robbart, G.S. Boland, and G.P. Schmahl. 2005. Establishment and initial analysis of deep reef stations (32-40m) at the East Flower Garden Bank. Dedicated Issue, Flower Garden Banks National Marine Sanctuary, Gulf of Mexico Science. 25(1):124-127.
- Salazar, M.H., et al. 2005. Rediscriptions and taxonomic notes on species of the *Synalpheus townsendi* Coutiere, 1909 complex (Decapoda: Caridea: Alpheidae). Zootaxa 1027:1-26
- Scanlon, K. M., S.D. Ackerman, and J.E. Rozycki. 2005. Sedimentary Environments of East and West Flower Garden Banks Area. Dedicated Issue, Flower Garden Banks National Marine Sanctuary, Gulf of Mexico Science. 25(1):115-123.
- Tunnel, J.W., S.A. Earle, and R. R. Ferguson. 2005. Foreword. Dedicated Issue, Flower Garden Banks National Marine Sanctuary, Gulf of Mexico Science. 25 (1):1
- Vize, Peter D. 2005. Deepwater broadcast spawning by *Montastraea cavernosa*, *Montastraea franksi*, and *Diploria strigosa* at the Flower Garden Banks, Gulf of Mexico. Coral Reefs. DOI 10.1007/s00338-005-0082-5.
- Vize, P.D., J.A. Embesi, M. Nickell, D.P. Brown, and D.K. Hagman. 2005. Tight temporal consistency of coral mass spawning at the Flower Garden Banks, Gulf of Mexico, from 1997 – 2003. Dedicated Issue, Flower Garden Banks National Marine Sanctuary, Gulf of Mexico Science. 25(1):107-114.
- Wicksten, M.K. 2005. Decapod crustaceans of the Flower Garden Banks National Marine Sanctuary. 2005. Dedicated Issue, Flower Garden Banks National Marine Sanctuary, Gulf of Mexico Science. 25 (1):30-37

## 2006

Precht WF, Aronson RB, Deslarzes KJP, Robbart ML, Murdoch TJT, Gelber A, Evans D, Gearheart B, Zimmer B (2006) Long-term monitoring at the East and West Flower Garden Banks, 2002-2003; Final report. U.S. Dept. of the Interior, Minerals Management Service, Gulf of Mexico OCS Region, New Orleans, Louisiana. OCS Study MMS ???

Schmahl, GP and EL Hickerson. 2006. McGrail Bank, a deep tropical coral reef community in the northwestern Gulf of Mexico. Proceedings of the 10th International Coral Reef Symposium, 1124-1130. Japanese Coral Reef Society, Tokyo, Japan.

Shearer, T. L. and M.A. Coffroth. Genetic identification of Caribbean scleractinian coral recruits at the Flower Garden Banks and Florida Keys. Marine Ecology Progress Series. Vo. 306: 133-142.

Sosdian, S., Gentry\*, D.K., Lear, C., Grossman, E.L., Hicks, D., Rosenthal, Y., 2006. Strontium to calcium ratios in the marine gastropod *Conus ermineus*: Growth rate effects and temperature calibration, Geochemistry, Geophysics, Geosystems (G3) v. 7, Q11023, doi:10.1029/2005GC001233.

Weaver, D. C., E. Hickerson, and G. P. Schmahl. 2006. Deep reef fish surveys by submersible on Alderdice, McGrail, and Sonnier Banks in the Northwestern Gulf of Mexico. In Taylor, J.C. 2006. Emerging technologies for reef fisheries research and management. NOAA Professional Paper NMFS 5, 69-83.

Zimmer, B., W. Precht, E. Hickerson, and J. Sinclair. 2006. Discovery of *Acropora palmata* at the Flower Garden Banks National Marine Sanctuary, northwestern Gulf of Mexico. Coral Reefs. DOI 10.1007/s00338-005-0054-9.

## 2007

DeBose, J.L. and G.A. Nevitt. 2007. Investigating the association between pelagic fish and dimethylsulfoniopropionate in a natural coral reef system. Marine and Freshwater Research, 200, 58, 720-724.

Deslarzes, K.J.P. and A. Lugo-Fernández. 2007. Influence of terrigenous runoff on offshore coral reefs: An example from the Flower Garden Banks, Gulf of Mexico. Pages

- 126-160 in Aronson, R.B., ed. Geological approaches to coral reef ecology. New York, New York: Springer.
- Foley, Kim A., C. Caldow, and E. Hickerson. 2007. First Confirmed Record of Nassau Grouper *Epinephelus striatus* (Pisces: Serranidae) in the Flower Garden Banks National Marine Sanctuary. *Gulf of Mexico Science*, 2007 (32), pp. 162-165.
- Gentry, D.K., Sosdian, S., Grossman, E.L., Rosenthal, Y., Hicks, D.W., Lear, C., 2007. Seasonal isotope and trace-metal profiles of serially-sampled *Conus* gastropods: Proxies for paleoenvironmental change. *Palaios* (accepted pending revision).
- Precht WF, Aronson RB, Deslarzes KJP, Robbart ML, Murdoch TJT, Gelber A, Evans D, Gearhart B, Zimmer B (in press) Long-term monitoring at the East and West Flower Garden Banks, 2004-2005; Final report. U.S. Dept. of the Interior, Minerals Management Service, Gulf of Mexico OCS Region, New Orleans, Louisiana. OCS Study MMS ???
- Villareal, T.A., S. Hanson, S. Qualia, E.L.E. Jester, H.R. Granade, R.W. Dickey. 2007. Petroleum Production Platforms as sites for the expansion of ciguatera in the northwestern Gulf of Mexico. *Harmful Algae* 6 (2007) 253-259.
- Weaver, D.C. and L.A. Rocha. 2007. A new species of *Halichoeres* (Teleostei: Labridae) from the Western Gulf of Mexico. *Copeia*, 2007 (4), pp. 798-807.
- 2008**
- Davies, S. and P. Vize. Herbivore effects on coral and algal population dynamics. Abstracts 11<sup>th</sup> Int'l Coral Reef Symposium, Ft. Lauderdale, FL.
- DeBose, J.L., G.P. Schmahl, M.F. Nuttall and E. Hickerson, in press. Coral Bleaching Mortality and Resilience at Stetson Bank, a High Latitude Coral Community in the Gulf of Mexico. Proceedings of the 11<sup>th</sup> International Coral Reef Symposium. Florida, July 7-11, 2008.
- Etnoyer, P. and E. Hickerson. Deep-water Alyconacea of Flower Garden Banks, Northwestern Gulf of Mexico. Abstract. International Deepsea Coral Symposium, Wellington, New Zealand.
- Hickerson, E.L., G.P. Schmahl, M. Robbart, W.F. Precht, and C. Caldow, 2008. State of Coral Reef Ecosystems of the Flower Garden Banks, Stetson Bank, and Other Banks in the Northwestern Gulf of Mexico. In: The State of Coral Reef Ecosystems of the United States and Pacific Freely Associated States: 2008. In, Waddell, J.E. and A.M. Clarke (eds.), 2008. NOAA Technical Memorandum NOS NCCOS 73. NOAA/NCCOS Center for Coastal Monitoring and Assessment's Biogeography Team. Silver Spring, Maryland. 569 p.
- Hickerson E.L. and G.P. Schmahl 2008. Gulf of Mexico Initiative, Northwestern Gulf of Mexico. In, Ritchie, K.B. and Brian D. Keller, eds. 2008. A Scientific Forum on the Gulf of Mexico: The Islands in the Stream Concept. Marine Sanctuaries Conservation Series NMSP-08-04. U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Sanctuary Program, Silver Spring, MD. 105 pp.
- Hickerson, E.L. and G.P. Schmahl. Species catalogs for deepwater coral communities of the northwestern Gulf of Mexico. Abstracts 11<sup>th</sup> Int'l Coral Reef Symposium Ft. Lauderdale, FL.
- Office of the National Marine Sanctuaries. 2008. Flower Garden Banks National Marine Sanctuary Condition Report 2008. U.S. Department of Commerce, National Oceanic and Atmospheric Administration, Office of National Marine Sanctuaries, Silver Spring, MD. 29 pp.
- Parsons-Hubbard, Karla M. et al. 2008. The taphonomic signature of a brine seep and the potential for Burgess Shale style preservation. *Journal of Shellfish Research*, Vol. 27, No. 1, 227-239, 2008
- Precht, W.F., R.B. Aronson, K.J.P. Deslarzes, L.S. Kaufman, M.L. Robbart, E.L. Hickerson, G.P. Schmahl and J. Sinclair. Long-Term Reef Monitoring at the Flower Garden Banks: Status, Stasis and Change. In, Ritchie, K.B. and Brian D. Keller, eds. 2008. A Scientific Forum on the Gulf of Mexico: The Islands in the Stream Concept. Marine Sanctuaries Conservation Series NMSP-08-04. U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Sanctuary Program, Silver Spring, MD. 105 pp.
- Precht, W.F., Deslarzes, K.J.P., Hickerson, E. Schmahl, G.P., Sinclair, J. and Aronson, R.B. Holocene reef development at the Flower Garden Banks: recent surprises. Abstracts 11<sup>th</sup> Int'l Coral Reef Symposium Ft. Lauderdale, FL, p.5
- Robbart, M., Aronson, R., Precht, W. and Deslarzes, K. Impact of Hurricane Rita on four shallow banks in the northern Gulf of Mexico. Abstracts 11<sup>th</sup> Int'l Coral Reef Symposium Ft. Lauderdale, FL. p.417
- Robbart, M.L., R.B. Aronson, L. Duncan, and B. Zimmer. In press. Post-hurricane assessment of sensitive habitats of the Flower Garden Banks Vicinity. U.S. Department of the Interior, Minerals Management Service, Gulf of Mexico OCS Region, New Orleans, Louisiana. OCS Study MMS.
- Schmahl, G.P., E.L. Hickerson and W.F. Precht, 2008. Biology and Ecology of Coral Reefs and Coral Communities in the Flower Garden Banks Region, Northwestern Gulf of Mexico. In, B.M. Riegl and R.E. Dodge, *Coral Reefs of the USA*, Springer Science, 2008.
- Slowey, N.C., T. Holcombe, M.P. Betts, and W.R. Bryant. Habitat Islands along the Shelf Edge of the Northwestern Gulf of Mexico. In, Ritchie, K.B. and Brian D. Keller, eds. 2008. A Scientific Forum on the Gulf of Mexico: The Islands in the Stream Concept. Marine Sanctuaries Conservation Series NMSP-08-04. U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Sanctuary Program, Silver Spring, MD. 105 pp.

**2009**

Deis, D.R. Post-Hurricane Assessment of Sensitive Habitats of the Flower Garden Banks Vicinity. 2009 MMS-ITM, New Orleans, LA.

Deslarzes, K., R. Aronson, W. Precht, M. Robbart, B. Zimmer, L. Duncan, L. Kaufman, G.P. Schmahl, E.L. Hickerson and J. Sinclair. Long-Term Monitoring at the Flower Garden Banks National Marine Sanctuary, 2004-2008. 2009 MMS-ITM, New Orleans, LA.

Precht, W. K. Deslarzes, E. Hickerson, G.P. Schmahl, J. Sinclair, and R. Aronson. Climate Change and the History of *Acropora* spp. at the Flower Garden Banks. 2009 MMS-ITM, New Orleans, LA.

Sammarco, P. Corals on Platforms Past I, II, and III. . 2009 MMS-ITM, New Orleans, LA.