

University of Miami
Curriculum vitae

1. **Date:** August 2007

PERSONAL

2. **Name:** Teresa A. (Terri) Hood

2. **Birthdate:** 5/10/60

3. **Home phone:** (305) 665-3461

4. **Office phone:** (305) 972-6203

5. **Home Address:** 12785 SW 64 Ct.
Miami, FL 33156

6. **Current Academic Rank:**
Senior Lecturer, Dept. Geological Sciences;
Assistant Director, Abess Center for Ecosystem Science &
Policy Undergraduate Program

7. **Primary Department:** Dept. Geological Sciences

8. **Citizenship:** United States of America

HIGHER EDUCATION

10. **Institutional:**

1982 B.S. University of Miami

1991 PhD, Rosenstiel School, University of Miami

11. **Non-institutional:** none

12. **Certification, licensure:** none

EXPERIENCE

13. Academic

- 1980 Undergraduate teaching assistant, Geology Dept, Univ. of Miami, Introductory Geology Lab.
- 1984-85 Research assistant, Microbiology laboratory, Marine and Atmospheric Chemistry Dept, RSMAS/U. of Miami. B. Taylor. Laboratory and field studies of microbial sulfur production.
- 1985-86 Graduate teaching assistant, Electron Microscopy laboratory, RSMAS/U. of Miami, Electron Microscopy Course.
- 1987-89 Funded doctoral research, Marine and Atmospheric Chemistry Dept., RSMAS/U. of Miami, R.Zika and F.Millero. Experimental studies of pyrite oxidation in marine systems.
- 1991 Graduate teaching assistant, Marine Science Dept., Univ. of Miami, Marine Chemistry Lab.
- 1991-94 Post-doctoral Research Associate, Electron Microscopy Laboratory, RSMAS/U. of Miami. P.Blackwelder. Research program on retrospective analysis of sediments and microfaunal communities in the Gulf of Mexico.
- 1994-2003 Research Associate, Dept. of Marine Geology and Geophysics, RSMAS/U. of Miami. Research programs in Everglades and Florida Bay restoration, environmental impacts of port dredging, and advanced applications of electron microscopy.
- 2000-2002 Part-time lecturer, Dept. of Geological Sciences, Univ. of Miami.
- 2002-2007 Lecturer, Dept. of Geological Sciences
- 2007-present Senior Lecturer, Dept. of Geological Sciences

2004-present Assistant Director, Abess Center for Ecosystem
Science and Policy Undergraduate Program (CESP)

14. **Non-academic**

1980-83 Laboratory technician, Beta Analytic Inc. radiocarbon
dating laboratory.

15. **Military:** none

PUBLICATIONS

16. **Books and Monographs Published**

1991 **Hood, T.A.** The kinetics of pyrite oxidation in marine systems.
PhD. Dissertation, Univ. of Miami, 223 pp.

17. **Juried or Refereed Journal Articles or Exhibitions**

1989 Taylor, B.F., **T.A. Hood**, and L.A. Pope. Assay of sulfur as
triphenylphosphine sulfide by high performance liquid
chromatography: application to studies of sulfur bioproduction and
sulfur in marine sediments. *J. Microbiol. Methods*, 9: 221-231.

1994 Nelsen, T.A., P. Blackwelder, **T. Hood**, B. McKee, N. Romer, C.
Alvarez-Zarikian, S. Metz. Time-based correlation of biogenic,
lithogenic and authigenic sediment components with anthropogenic
inputs in the Gulf of Mexico NECOP study area. *Estuaries* 17: 873-
885.

1996 Blackwelder, P.A., **T. Hood**, C. Alvarez Zarikian, T.A. Nelsen, and B.
McKee. Benthic Foraminifera from the NECOP study area, impacted
by the Mississippi River plume and seasonal hypoxia. *Quaternary
International* 31: 19-36.

2001 Soter, S., P. Blackwelder, C. Tziavos, D. Katsonopoulous, **T. Hood**,
and C. Alvarez-Zarikian. Environmental analysis of cores from the
Helike Delta, Gulf of Corinth, Greece. *Journal of Coastal Research*
17(1): 95-106.

- 2001 Alvarez Zarikian, C., P. Swart, **T. Hood**, P. Blackwelder, T. Nelsen, and C. Featherstone. A century of environmental variability in Oyster Bay, using ostracode ecological and isotopic data and paleoenvironmental tools, In: Wardlaw, B.R., ed., Paleocological studies of South Florida. *Bulletin of American Paleontology* 361: 133-144.
- 2002 Nelsen, T., H. Wanless, J. Trefry, C. Alvarez Zarikian, **T. Hood**, P. Blackwelder, P. Swart, L. Tedesco, W. Kang, S. Metz, C. Grate, C. Featherstone, J. Souch, M. Pachut, M. O'Neill, and G. Ellis. Linkages between the South Florida Peninsula and the coastal zone: A sediment based history of natural and anthropogenic influences. In: Porter, J. and Porter, K., eds., *The Everglades, Florida Bay, and Coral Reefs of the Florida Keys, An Ecosystem sourcebook*. Chapter 12, pp. 415-451. CRC Press.
- 2005 Carlos Alvarez Zarikian, Steven Soter, Dora Katsonopoulou, Patricia Blackwelder and **Terri Hood**. Microfaunal evidence for paleoenvironments of the Helike Delta: 1991-2000. Third International Conference on Ancient Helike and Aigialeia: Archaeological Sites in Geologically Active Regions (D. Katsonopoulou, S. Soter & I.K. Koukouvelas, eds.), Athens: Helike Society, pp. 183-195.

18. **Other works and publications**

Abstracts:

- 1988 **Hood, T.A.**, R.G. Zika, F.J. Millero, P.L. Blackwelder. Pyrite oxidation in seawater: experimentally produced alteration phases. *EOS* 69: 528.
- 1994 Alvarez Zarikian, C., **T. Hood**, P. Blackwelder, T. Nelsen, B. McKee. NECOP Retrospective studies: III. Ostracode fauna in the northern Gulf of Mexico. ASLO/PSA 1994 Miami, FL. Meeting Program, p. a-1.
- 1994 Blackwelder, P., **T. Hood**, C. Alvarez Zarikian, T. Nelsen, B. McKee.

- NECOP Retrospective studies: I. Benthic foraminifera distribution in sediment on spatial and temporal scales. ASLO-PSA 1994 Miami, FL. Meeting Program, p. a-9.
- 1994 **Hood, T.**, P. Blackwelder, T. Nelsen, J. Trefry, and B. McKee. NECOP Retrospective studies: II. Glauconite as an indicator of bottom water hypoxia in the northern Gulf of Mexico. ASLO/PSA 1994 Miami, FL. Meeting Program, p. a-35.
- 1994 Nelsen, T., P. Blackwelder, **T. Hood**, C. Alvarez Zarikian, J. Trefry, S. Metz. The sedimentary record in the NECOP study area: A history of anthropogenic impact. EOS 75:51.
- 1994 Nelsen, T.A., P. Blackwelder, **T. Hood**, C. Alvarez Zarikian, J. Trefry, S. Metz, and B. McKee. Linkages between continental watershed contaminants, river load and anthropogenic impacts on receiving areas: Examples from the Louisiana inner-continental shelf environment. EOS 75: 229.
- 1995 Nelsen, T.A., P. Blackwelder, **T. Hood**, C. Alvarez Zarikian, J. Trefry, S. Metz, B. Eadie, and B. McKee. Retrospective analysis of NECOP area sediments: biogenic, inorganic and organic indicators of anthropogenic influences since the turn of the century. In: Nutrient Enhanced Coastal Ocean Productivity, Proceedings of 1994 Summation Workshop, Baton Rouge, Louisiana.
- 1996 Alvarez Zarikian, C., P. Blackwelder, **T. Hood**. Ostracod assemblages from the Louisiana inner-continental shelf: Impacts of low-oxygen bottom-waters and other physico-chemical parameter. EOS 76(3).
- 1996 Blackwelder, P., **T. Hood**, C. Alvarez Zarikian, T. Nelsen, B. McKee. Benthic foraminifer communities as indicators of hypoxic conditions: Present distributions and historical trends from the Gulf of Mexico. EOS 75:51.
- 1996 Nelsen, T., P. Blackwelder, **T. Hood**, C. Alvarez Zarikian, B. McKee. Man's diachronic influence on the marine environment: Linking continents with the coastal ocean. EOS 76(3).

- 2000 Alvarez Zarikian, C., P. Blackwelder, **T. Hood**, T.A. Nelsen, C. Featherstone. Ostracodes as indicators of natural and anthropologically-induced changes in coastal marine ecosystems. Proceedings, 2000 Coastal Society Conference, Portland, Oregon, 896-905.
- 2000 **Hood, T.**, C. Alvarez Zarikian, P. Blackwelder, T.A. Nelsen, C. Featherstone. Identifying multiple stressors in the coastal ocean: The role of microfauna in discriminating between natural and anthropogenic influences. Proceedings, 2000 Coastal Society Conference, Portland, Oregon, 697-704.

PROFESSIONAL

20. Funded Research Performed

ACS/PRF "Pyrite Oxidation in Marine Systems" ACS/PRF
19148-AC2. 5/1/87 - 8/31/89.

participated in the following:

NOAA "Anthropogenic effects on the spatial and temporal distribution of biogenically produced sediment from the Gulf of Mexico. Retrospective analyses, NECOP Program. 8/31/90-8/30/95.

NOAA "The sediment record as a monitor of natural and anthropogenic changes in the lower Everglades/Florida Bay ecosystem." Retrospective analyses, Florida Bay Program. 1995-2000.

NOAA "Ft. Pierce dredge spoils sediment transport study"
2000-2001

NOAA "Tampa Bay Blind Pass Study : Petroleum Hydrocarbon Analysis of Sediment Cores" 2007-2008