

*CURRICULUM VITAE*  
03/19/2013

***General Data***

Name: Albert Case Hine  
 Birth Date: June 4, 1945  
 Present Rank: Professor (Associate Dean 2002-2011)  
 Tenure: Tenured (1982)  
 College: Marine Science

***Contact Information***

Albert C. Hine  
 College of Marine Science  
 University of South Florida  
 St. Petersburg, FL 33701  
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***Education***

<b>Institution</b>	<b>Field of Study</b>	<b>Degree</b>	<b>Date</b>
Dartmouth College	Geology	A.B.	1967
University of Massachusetts-Amherst	Geology	M.S.	1973
University of South Carolina-Columbia	Geology	Ph.D.	1975

***Employment***

1987—Present	Professor, College of Marine Science
2002- 2011	Associate Dean of Research and Professor, College of Marine Science University of South Florida
1982-1987	Associate Professor, Department of Marine Science, University of South Florida
1979-1982	Assistant Professor, Department of Marine Science, University of South Florida
1977-1979	Research Assistant Professor, Institute of Marine Sciences, University of North Carolina at Chapel Hill, Morehead City, North Carolina.
1975-1977	Visiting Research Associate, Curriculum in Marine Sciences, University of North Carolina, Chapel Hill, North Carolina.
1969-1972	Active Duty--Military Service, 1st Lt. USAF.

### ***Other Professional or Related Activities***

- 1978-1980            Adjunct Assistant Professor, Department of Geology, Duke University, Durham, North Carolina.
- 1978-1979            Adjunct Assistant Professor, Department of Geology, University of North Carolina, Chapel Hill, North Carolina.

### ***Areas of Specialization***

Geologic processes and products of shallow marine sedimentary environments  
 Development, history, stratigraphy, sedimentation of carbonate platforms  
 Coastal geology, coastal wetlands  
 Sequence stratigraphy  
 Interpretation of seismic reflection data  
 Seafloor mapping/interpretation

### ***Honors and Awards***

Outstanding Assistant Professor, 1982, College of Natural Sciences, University of South Florida  
 JOI Distinguished Lecturer 2005-2006 (9 universities)  
 Society for Sedimentary Geology's Francis P. Shepard Medal for Excellence in Marine Geology  
 2009  
 Distinguished Alumni Award, Dept. of Geosciences University of Massachusetts-Amherst 2011

### ***Professional Activities/Service***

Associate Editor, *Journal of Sedimentary Petrology*, 1977-1984.

Associate Editor, *Geology*, 1989-1995

Associate Editor, *Marine Geology*, 1990-1994

Co-Chair of Coastal Studies session at 1984 SEPM Meeting, San Jose, California.

Co-Chair of Society of Economic Paleontologists and Mineralogists Mixed Siliciclastic and Carbonate Deposition at 1985 American Association of Petroleum Geologists Annual Meeting, New Orleans, LA.

Co-Convener, 1985, Geological Society of America Annual Meeting of Quaternary Geology and Geomorphology Division Symposium

Chief Judge of Oral Presentation (SEPM) at Annual AAPG Meeting in Atlanta, 1986.

General Chair, SEPM 1<sup>st</sup> Congress on Sedimentary Geology, St. Pete Beach, Aug, 1995.

Co-Convener, 1996, Geological Society of America Annual Meeting, Marine Geology Session, Denver, CO.

Member NOAA-NURC Proposal Reviews Panel 1988-1989

Member, National Science Foundation, Division of Ocean Sciences, Marine Geology and Geophysics Proposal Review Panel 1990-1994 (served 6 times)

Member, National Science Foundation, Coastal Oceanography Program (Co-OP) Proposal Review Panel

Member, USGS National Center for Coastal Geology Proposal Review Panel.

Member, UNOLS Fleet Improvement Subcommittee on East Coast Mission Requirements 1998.

ONR STRATAFORM Workshop; SUNY Stony Brook, fall 1993

Sequence Analysis Workshop in the Marine Plio-Pleistocene; James Cook University, Townsville, Australia, fall 1994.

NSF Neritic to Pelagic Carbonates Workshop; Upper Brandon Plantation, VA, fall 1994.

ONR Coastal Benthic Boundary Layer Program Workshop; Stennis Space Center, fall 1994.

NSF Siliclastic Sedimentation Workshop; Upper Brandon Plantation, VA spring 1996.

NSF Marine Geology and Geophysics FUMAGES (Future of Marine Geosciences) Workshop; Ashland Oregon, Dec 4-7, 1996.

Florida Sea Grant Big Bend Ecosystems Management Symposium; Steinhatchee, FL May 6-8, 1997

NSF MARGINS Sed/Strat Component Organizing Committee Member; invited keynote speaker at 4 day meeting; Lake Quinault, Washington State to write the science plan.

UNOLS-Fleet Improvement Committee 2006--2012

### ***JOI/ODP Activities***

Member, JOIDES Ocean History Panel, 3.5 year appointment, 1990-93.

Member, JOIDES Site Survey Panel, 3 yr appointment, 1998-2000.

Co-Chief Scientist, ODP Leg #182, Great Australian Bight; Oct –Dec 1998

JOIDES-ODP Conference on Multiple Platform Exploration (COMPLEX) invited participant; Vancouver, May 25-28, 1999

Shipboard party member (sedimentologist), Leg 194, Marion Plateau, Jan-Mar 2001.

Invited speaker to ODP Shallow Water Drilling Conference, St. Pete Beach, FL

JOI-USSAC Member, member of USSAC Executive Committee; 2001-2004

JOI-USSAC Distinguished Lecturer for 2005 (visited 9 universities)

Co-Chair JOI's Workshop on Education

JOI-Alternate member of Board of Governors

JOI Management Review Team (2007)

### ***Professional Organizations, Offices, Committees***

International Association of Sedimentologists (IAS)

Society of Economic Paleontologists and Mineralogists (SEPM)

American Association of Petroleum Geologists (AAPG)

Geological Society of America (GSA)

American Geophysical Union (AGU)

Publication Committee (SEPM)

Nomination Committee (SEPM)

Audio/Visual Committee (SEPM)

UNOLS Subcommittee on Cape Class Vessels

Founding Member of Continental Margins Integrated Studies of Sediment Transport (CMISST)

NSF Source-to-Sink Initial Planning Workshops

American Geophysical Union (AGU)

UNOLS-FIC

### ***Major Civic and Public Service Activities***

**Public lectures:** Presented numerous public lectures on coastal geology, environmental geology, and geological oceanography to Audubon Club, Sierra Club, Isaak Walton League, undergraduate environmental clubs, Sea Grant high school teacher's course, Duke University Marine Lab Alumni, USF Evening lecture series, Sertoma Club (2), Sarasota County Commission, School Board of Sarasota County, The Conservancy, Naples, FL; Pasco, Hernando, Citrus, Lee and Volusia County Commissions, Mote Marine Lab, Southwest Florida Water Management District, St. Petersburg Yacht Club, Jim Walter Corp., Pinellas County League of Women Voters, Sarasota County League of Women Voters, Dunedin Kiwanis, Volusia County Planning Commission, Society of Logistic Engineers, The Coastal Club, Snell Isle Homeowners, St. Petersburg Junior Woman's Club, Tampa Bay Regional Planning Council (2), Tampa Fossil Club, SW Florida Archeological Society, St. Petersburg Kiwanis, Rotary

Club of St. Petersburg (2) , USF-SP Town and Gown (2), Pinellas County Historical Society, St. Petersburg Management Team, START (Science Technology Round Table, Sun City Center)

Invited participant to a symposium on America's eroding shoreline, Skidaway Institute of Oceanography, March 1981. Position paper written: "Saving the American Beach: A Position Paper by Concerned Coastal Geologists".

Presented invited testimony before the U.S. House Subcommittee on Fisheries and Wildlife Conservation and the Environment Concerning HR-3252, Coastal Barrier Resources System, in Washington, D.C., June 23, 1981.

Numerous articles in local and national media concerning phosphate deposits off North Carolina, the Coastal Barrier Resources System and rising sea level. Local radio and TV interviews on these topics as well.

Appointed as scientific advisor and member of a citizens' committee to evaluate Midnight Pass for the Sarasota County Commissioners.

### ***University, College, Departmental, or SUS Councils or Committees***

(Past and Present)

Departmental Admissions and Awards Committee  
 Core Course Revision/Curriculum Committee  
 Faculty Evaluation Committee  
 College Graduate Council  
 University: Research Council  
 Co-Chairman, College of Marine Science (CMS) Faculty Recruiting Committee  
 Chairman, CMS Tenure and Promotion Committee  
 Chairman; CMS Seminar and Eminent Lecture Series  
 Chairman; CMS Endowed Fellowship Committee.  
 Chairman; CMS Promotion and Tenure Committee  
 Chairman, CMS Long-Term Planning Committee  
 USF Provost Search Committee  
 FIO Director Search Committee  
 CMS Faculty Search Committee (Chair-7)  
 USF Council of Associate Deans  
 USF Graduate Council  
 USF Alumni Relations Council

### ***Other Relevant Activities***

#### **Field Trips**

Jan 1973; Field assistant in Berry Island, Bahamas. Studying island stratigraphy resulting from sea-level fluctuations.

- Sum 1973; Co-investigator examining depositional facies of distal glacial outwash plain (sandur) and sediment transport along the beach zone in Southern Iceland.
- Oct 1973; Co-field trip leader: "Inlet and Coastal Environments at Federation Conference, Myrtle Beach, South Carolina.
- Feb 1978; Advisor for U.S.G.S. project to examine shoreline erosion and subtidal sand body development, Vieques, Puerto Rico.
- Sep 1981; Field trip to Mesozoic carbonate platforms western Sicily.
- Nov 1983; Geological field trip to Permian Basin, Guadalupe Mountains of West Texas/New Mexico.
- Aug 1984; Geological field trip to central California coast emphasizing tectonics and sedimentation.
- Oct 1985; Co-field trip leader with R.A. Davis to barrier island and marsh coast of central-west Florida; sponsored by GSA; formal field guide published.
- Sep 1986; Geological field trip to Eocene limestone of North Carolina lower coastal plain. SEPM sponsored field trip.
- Jul 1988; Co-field trip leader with R. A. Davis to barrier island and marsh coast of central-west Florida; sponsored by International Geological Congress; formal field guide published (different than 1985 version).
- Aug 1988; Field trip to Great Barrier Reef, Australia
- Oct 1990; Field trip to Tertiary strata outcropping along Australia's South Coast, led by Exxon geologist.
- April 1991; Field trip to Austin Chalk, Dallas, TX, sponsored by AAPG
- Mar 1994; Led field trip to Eleuthera Island, Bahamas for 12 students
- Sep 1994; Field trip to Wanganui Basin, New Zealand
- Aug 1995; Co-led field trip to Florida's coastal wetlands in association with SEPM's First Congress on Sedimentary Geology
- Mar 1996; Led field trip to San Salvador, Bahamas for 16 students

- Mar 1998; Led field trip to Andros Island, Bahamas for 14=5 students
- May 1999; Field trip to Danian bryozoan mounds in Denmark.
- Mar 2000; Field trip to western Cuba
- May 2000; Co-led AAPG field trip to FL Keys
- Nov 2000; Participant in formal field trip to Triassic carbonate platforms of the Dolomites, southern Alps in northern Italy
- Mar 2002; Led field trip Lee Stocking Island, Bahamas for 15 students
- Oct 2002; Participant in formal field trip to Miocene carbonates on southern Spain
- Mar 2004; Field trip to western Cuba

### **Short Courses Taught**

Invited speaker, short course sponsored by U.S.G.S. on high resolution seismic profiling, February 1981, Corpus Christi, Texas.

Taught 2-day (6 lectures) short course at Department of Geology, University of South Carolina, on continental shelves - carbonate and clastic.

Society of Economic Paleontologists and Mineralogists, "Platform margin and deep water carbonates", is a 3-day short course taught by H. E. Cook, H. T. Mullins, and A. C. Hine to mostly oil exploration geophysicists and geologists.

American Association of Petroleum Geologists, "Carbonate facies architecture and high-resolution sequence stratigraphy of the Florida Keys", is a 7day field course taught by E.A. Shinn, R. B. Halley, and A. C. Hine to mostly oil company exploration geophysicists and geologists.

Petrobras, Brazil, taught one week short course to Petrobras geologists on carbonate platform development and sedimentary environments in Porto Alegre, Brazil; 2 invited lectures at Petrobras Headquarters in Rio de Janeiro, Brazil.

### **Research Cruises**

*Chief scientist or co-chief scientist on 70 research cruises*

- Jan 1968; *R/V Eastward* (Duke University) - submerged reefs on southeastern continental shelf. Ian Macintyre, principal investigator.
- Jan 1973; *R/V Calanus* (University of Miami), Bahama Banks.
- May 1973; *R/V Calanus* - shallow carbonate bank margin structure, hydrodynamics of oolite sand shoals, Little Bahama Bank, Bahamas.
- Apr 1974; *R/V Gulf Stream* (Nova University) - shallow bank margin structure, Little Bahama Bank.
- May 1974; Seismic reflection survey in Lake Erie for base-line coastal research survey in Great Lakes.
- Sep 1974; Seismic reflection survey off Ft. Pierce, Florida, for possible supertanker port.
- Oct 1974; *HYDROLAB* underwater habitat - 3 days within this facility conducting reef morphology, sediment production, and sediment transport survey.
- Nov 1974; *R/V Eastward* - geology of the northeast Straits of Florida. A. C. Neumann and L. S. Land, principal investigators.
- Mar 1975; *R/V Eastward* - geology of N. E. Straits of Florida. A. C. Neumann, principal investigator.
- May 1975; *R/V Calanus* - bank margin structure, oolite shoal stratigraphy, Little Bahama Bank.
- Mar 1976; *R/V Eastward* - geology and oceanography of North West Providence Channel, Bahamas.
- Sep 1976; *R/V Calanus* - structure and sedimentology of shallow carbonate bank margin, N. W. Providence Channel, Bahamas.
- Nov 1976; *R/V Advance* (Cape Fear Technical Institute) - continental shelf off North Carolina, current meter deployment and retrieval.
- May 1977; *DSRV Alvin* - ecological zonation of organisms on lithoherms in the Straits of Florida, off-bank transport of sediments along the deep flanks of carbonate margins.



- Oct1977; *R/V Calanus* - shallow structure and sedimentation along a windward carbonate bank margins, and lagoon system.
- Dec 1977; *R/V Calanus* - detailed seismic profiling along selected carbonate bank margins, current meter retrieval.
- May 1978; *R/V Velera, R/V Micmac* (Bermuda Biological Station), Bermuda extensive resolution seismic profiling in sounds and lagoons.
- Sep1978; *R/V Calanus* - drilling and vibracoring along a leeward margin, current meter retrieval.
- May 1979; *R/V Calanus* - drilling and reef reconnaissance along windward margin of Little Bahama Bank, Bahamas.
- May 1980; *R/V Eastward* - seismic stratigraphy and vibracore study Onslow Bay, NC. examining phosphate rich units.
- Oct 1980; *R/V Endeavor* (University of Rhode Island) - structure and stratigraphy of Tertiary phosphate rich units underlying the N. C. continental shelf.
- May 1981; *R/V Columbus Iselin* (University of Miami) - paleo-environmental ramifications of buried channels on the inner continental shelf; structure, stratigraphy of Tertiary phosphate rich units on the N. C. continental shelf.
- Sep 1981; *R/V Bellows* (Florida Institute of Oceanography) - facies, structure, and seismic stratigraphy of Cay Sal Bank, Bahamas.
- May1982; *R/V Cape Hatteras* (Duke-UNC Consortium) - paleo-environmental ramifications of buried channels on the inner continental shelf; structure, stratigraphy of Tertiary phosphate rich units on the N. C. continental shelf.
- Sep1982; *R/V Suncoaster* (Florida Institute of Oceanography) - high resolution seismic profiling/side scan sonar on West Florida continental shelf.
- May 1983; *R/V Cape Hatteras* - seismic profiling and vibracoring, Onslow Bay, North Carolina; seismic stratigraphy, lithostratigraphy, paleo-oceanography of Miocene phosphate-rich sediments.

- Aug 1983; *R/V Bellows* - seismic profiling, bottom sampling Cat Island Bight, Bahamas; Quaternary stratigraphy and modern sedimentation on a leeward shelf.
- Jun 1984; *R/V Cape Hatteras* - seismic profiling of mid to outer shelf and upper slope off North Carolina.
- Oct 1984; *R/V Bellows* - seismic profiling off Crystal River, Florida, area to search for paleo-spring discharge sites and fossil oyster bioherms.
- Nov 1984; *R/V Cape Hatteras* - NSF/EUC study to document the effects on the seafloor of high velocity, storm-induced currents produced by Hurricane Diana, Onslow Bay, North Carolina.
- Feb 1985; *R/V Cape Hatteras* - NSF/Syracuse University study to examine the structure, stratigraphy, sedimentology, and geologic evolution of the West Florida Slope.
- May 1985; *R/V Cape Hatteras*-NSF, Co-leader of field trip on this research vessel for I.G.C.P. #156 Phosphorites field trip. Demonstration of geophysical/geological sampling devices on a modern research vessel. A total of 90 foreign scientists participated over a 2 day period.
- Dec 1985; *R/V Pierce* - NSF, high resolution seismic stratigraphy and side scan sonar profiling along outer N.C./S.C. continental shelf.
- May 1986; *R/V Bellows* - Seismic profiling in Charlotte Harbor area
- Sep 1986; *R/V Cape Hatteras* - Led two day field trip on this research vessel in association with SEPM mid-year meeting.
- Mar1987; *R/V Cape Hatteras* – NSF, 20 day research cruise to study carbonate platforms on Nicaraguan Rise.
- May 1988; *R/V Cape Hatteras* – NSF, 28 day research cruise to study carbonate platforms on the Nicaraguan Rise.
- Jul 1988; *R/V Bellows* - 4 day research cruise conducting seismic, side-scan, and ROV surveys off Anclote Key, Florida.
- Aug1988; *R/V Si Bon*-5 day field trip to Great Barrier Reef, Australia, sponsored by the 6th International Coral Reef Symposium.

- May 1989; *R/V Bellows* - 5 day cruise conducting geophysical survey of Tampa Bay.
- Jul 1989; *R/V Captain's Lady* - 5 day USGS funded cruise to study the Florida reef tract.
- Oct 1989; *R/V Rhonda Anne* - 4 day cruise on Lake Okanagan, British Columbia conducting seismic survey in a deep glacial lake; funded by University of Toronto.
- Jul 1990; *R/V Suncoaster* - 10 day USGS funded cruise to study South Florida Slope.
- Mar 1991; *R/V Calanus* – NSF, 3 day cruise to Bimini area to conduct high resolution seismic operations.
- May 1991; *R/V Bellows* - 5 day cruise to study Suwannee River delta.
- Jul 1991; Chartered fishing vessel on Caicos Bank to conduct seismic survey.
- Aug 1991; *R/V Captain's Lady* – USGS, 6 day cruise in Pennekamp Park, Fl Keys
- Nov 1991; *R/V Suncoaster* with *Delta* submersible; conducted dive series on slope off Key West, NOAA-NURC
- May 1992; *R/V Bellows*; 23 days, reef drilling in the Florida Keys funded by NOAA-NURC
- Apr 1992; *R/V Cape Hatteras* – NSF, 35 day cruise on Nicaraguan Rise.
- Jun 1993; *R/V Sea Diver*; NOAA-NURC, Research submersible *Clelia*; conducted dive series on slope off Florida Keys,
- July 1994; *R/V Bellows*-USGS, 5 day cruise off Pinellas County, FL.
- Nov 1994; *R/V Bellows*-USGS, 5 day cruise off Manatee and Sarasota Counties
- Oct 1995; *R/V Bellows*-5 day cruise on Florida Middle Grounds
- Jun 1996; *R/V Suncoaster*- 7 day cruise to Dry Tortugas area
- Mar 1997; *R/V Suncoaster*- ONR, 3 day AUV deployment off Clearwater
- May 1997; *R/V Bellows*-7 day cruise off Dry Tortugas

- Oct-Dec 1998; **DR/V JOIDES Resolution**—ODP Leg 182, 2 mo within the Great Australian Bight (Co-Chief Scientist)
- Jun 1999; **M/V Spree**—NOAA-NURC, ROV dive series off south and southwest Florida margin
- Jan-Mar 2001; **D/V JOIDES Resolution**—ODP Leg 194, 2 mo on Marion Plateau, NE Australia
- Jul 2001; **R/V Suncoaster**—ONR, 5 days off Indian Rocks Beach
- Sep 2001; **R/V Suncoaster**—USGS, 6 days on Pulley Ridge, SW Florida Platform
- Oct 2002; **R/V Suncoaster**—ONR, 3 days off Indian Rocks Beach
- April 2003; **R/V Suncoaster**—USGS, 7 days on SW Florida Platform margin
- June 2005; **R/V Bellow**—Harte Institute, 5 days on northern Pulley Ridge
- Sep 2007; **R/V Suncoaster**—NOAA, Sticky Grounds, seafloor imaging and sampling
- Nov 2007; **R/V Bellows**—NOAA, Sticky Grounds seafloor mapping, seafloor sampling
- May 2008; **R/V Bellows**—NOAA, Dry Tortugas, seafloor imaging
- Nov 2008; **R/V Suncoaster**—NOAA, Dry Tortugas seafloor mapping
- Oct 2011; **R/V Bellows**—Hawk Channel seafloor mapping
- June 2012; **R/V Bellows**—Hawk Channel seafloor mapping

### ***Contributor to Commercially Sold Slide Sets***

Physical and Chemical Oceanography, by Ben J. Korgen, Pub. Harper and Row.

Iceland Geology, 80 slides on glaciers, glaciofluvial, coastal processes, tectonic features, volcanic landforms, Pub. Coastal Research Division, University of South Carolina.

Carbonate Sand Bodies of the Bahamas, 70 slides with 40-page accompanying text on oolitic sand shoals on the Bahamas Banks published by Society of Economic Paleontologists and Mineralogists. Authors are Hine, A. C., Harris, P. M., and Neumann, A. C.

High Resolution Seismic Reflection Profiles with Interpretations from Selected Carbonate depositional Systems: CD-ROM slide set published by SEPM

### ***Invited Formal Seminars***

Department of Geology, Boston University  
 Department of Geology, Williams College  
 Department of Geology, University of North Carolina, Chapel Hill (2 times)  
 Department of Geology, Duke University (3)  
 Department of Geology, University of Florida (3)  
 Rosentiel School of Marine and Atmospheric Science, Univ. of Miami (2)  
 Department of Geology, University of Maine  
 Department of Oceanography, University of Maine  
 Texas Bureau of Economic Geology  
 Institute of Geophysics, University of Texas  
 Mote Marine Laboratory (2)  
 Southwest Florida Water Management District (2)  
 Department of Geology, University of South Florida (3)  
 Department of Geology, University of South Carolina (4)  
 Department of Marine Science, North Carolina State University  
 Department of Geology and Geophysics, Rice University  
 Manatee Community College  
 Department/College of Marine Science, University of South Florida (7)  
 Department of Geosciences, Penn State University  
 Department of Marine Science, SUNY Stony Brook  
 Department of Geology, James Cook University, Australia  
 Department of Geology, Indiana University/Purdue University at Indianapolis  
 Department of Geology, University of Arkansas  
 Department of Geology, Cornell University  
 Department of Geology, Lawrence University  
 Department of Geology, University of New Mexico  
 Department of Geology, Syracuse University  
 Department of Marine Science, Eckerd College (2)  
 Department of Geology, University of Wisconsin Oshkosh  
 Department of Geology, University of Wisconsin Eau Claire  
 Department of Geology, Hamilton College  
 Hillsborough Community College  
 Manatee Community College  
 Department of Geosciences, University of Massachusetts Amherst  
 Department of Environmental Science and Policy; USF- St. Petersburg  
 Institute for Strategic Solutions, St. Petersburg College

### ***Research and Creative Activities***

#### **Publications:**

*Articles in Refereed Journals*

Hine, A. C. 1975, Bedform distribution and migration patterns on tidal deltas in the Chatham Harbor Estuary Cape Cod, Massachusetts: *in* Cronin, L. E., ed., *Estuarine Research*, v. 11, Geology and Engineering, Academic Press, New York, p. 235-252.

\*Hine, A. C., and Neumann, A. C., 1977, Shallow carbonate bank margin growth and structure, Little Bahama Bank, Bahamas: *American Association of Petroleum Geologists Bulletin*, v. 61, p. 376-406.

*\*Reprinted/republished in:*

Cant, D. J., and Hein, J. J., 1987, Approaches to interpretation of sedimentary environments: *Society of Economic Paleontologists and Mineralogists Reprint Series No. 11*, p. 49-77.

Hine, A. C., 1977, Lily Bank; Bahamas: response of an active oolite sand shoal to its physical environment and the Holocene sea level rise: *Journal of Sedimentary Petrology*, v. 47, p. 1454-1474.

Nummedal, D., Oertel, G. F., Hubbard, D. K., and Hine, A. C., 1977, Tidal inlet variability - Cape Hatteras to Cape Canaveral: *in* *Coastal Sediments '77*, American Society of Civil Engineers, New York, p. 543-562.

Hine, A. C., Finley, R. J., and Hayes, M. O., 1978, Tidal current deposits: *in* Fairbridge, R. W., and Bourgeois, J., eds., *The Encyclopedia of Sedimentology*, Stroudsburg, Pa., Dowden, Hutchinson and Ross, Inc., p. 795-798.

Hine, A. C., and Boothroyd, J. C., 1978, Morphology, processes and recent sedimentary history of a glacial-outwash plain shoreline, southern Iceland: *Journal of Sedimentary Petrology*, v. 48, p. 963-982.

\*\*Hine, A. C., 1979, Mechanisms of berm development and resulting beach growth along a barrier spit complex: *Sedimentology*, v. 26, p. 333-351.

*\*\*Reprinted/republished in:*

Davis, R. A., Jr., 1987, Beach and nearshore sediments and processes: *Society of Economic Paleontologists and Mineralogists Reprint Series No. 12*, p. 91-109.

Hine, A. C., 1979, Landward migration of barrier island sands under stable sea level condition: Island, Massachusetts: a discussion: *Journal of Sedimentary Petrology*, v. 49, p. 323-325.

Lanesky, D.E., Logan, B. W., and Hine, A. C., 1979, A new approach to portable vibracoring underwater and on land: *Journal of Sedimentary Petrology*, v. 49, p. 654-657.

Mullins, H. T., Neumann, A. C., Wilber, R. J., Hine, A. C., and Chinburg, S. G., 1980, Carbonate sediment drifts in the northern straits of Florida: *American Association of Petroleum Geologists Bulletin*, v. 64, p. 1701-1717.

- Hine, A. C., Wilber, R. J., and Neumann, A. C., 1981, Carbonate sand bodies along contrasting shallow bank margins facing open seaways: northern Bahamas: *American Association of Petroleum Geologists Bulletin*, v. 65, 261-290.
- Hine, A. C., Wilber, R. J., Bane, J., Neumann, A. C., and Lorenson, K. R., 1981, Offbank transport of carbonate sands along open, leeward bank margins, northern Bahamas: *in* Nittrouer, C. A., ed., *Sedimentary Dynamics of Continental Shelves, Developments in Sedimentology*, 32, New York, Elsevier, p. 327-348. Also appeared in *Marine Geology*, v. 42.1977.
- Lewis, D. W., Riggs, S. R., Snyder, S. W., Waters, V. J., Snyder, S. W. P., and Hine, A. C., 1982, Preliminary report on the Pungo River Formation in Onslow Bay, Continental Shelf, North Carolina: *in* Scott, T., ed., *Miocene Symposium of the Southeastern United States*, Florida Bureau of Geology, Spec. Pub.
- Mullins, H. T., Hine, A. C., and Wilber, R. J., 1982, Facies succession of Pliocene-Pleistocene carbonates, Northwestern Great Bahama Bank: discussion of a paper by D. K. Beach and R. N. Ginsburg: *American Association of Petroleum Geologists*, v. 66, p. 103-105.
- Riggs, S. R., Hine, A. C., Snyder, S. W., Lewis, D. W., Ellington, M. C., and Stewart, T. L., 1982, Phosphate exploration and resource potential on the North Carolina Continental shelf: *Proceedings, Offshore Technology Conf.*, Houston, TX, p. 737-748.
- Snyder, S. W. P., Hine, A. C., and Riggs, S. R., 1982, Miocene seismic stratigraphy, structural framework, and sea-level cyclicity North Carolina continental shelf: *Southeastern Geology*, v. 23, p. 247-266.
- Belknap, D. F. and Hine, A. C., 1983, Evidence for a sea-level lowstand between 4500 and 2400 years B. P. on the southeast coast of the United States - a discussion: *Journal of Sedimentary Petrology*, v. 53, p. 680-682.
- Halley, R. B., Harris, P. M., and Hine, A. C., 1983, Bank margin: *in* Scholle, P. A., Bebout, D. G., and Moore, C. H., eds., *Carbonate Depositional Environments*, American Association of Petroleum Geologists Memoir 33, Chapter. 9, p. 463-506.
- Hine, A. C., 1983, Relict sand bodies and bedforms of the northern Bahamas: evidence of extensive early Holocene sand transport: *in* Peryt, T. M., ed., *Coated Grains*, New York, Springer-Verlag, p. 116-131.
- Hine, A. C., and Mullins, H. T., 1983, Modern carbonate shelf-slope breaks: *in* Stanley, D. J. and Moore, G. T., eds., *The Shelfbreak: Critical Interface on Continental Margins*, Society of Economic Paleontologists and Mineralogists Special Publication 33, p. 169-188.
- Evans, M. W. and Hine, A. C., 1984. Basic controls of barrier island evolution: The crisis of our beaches: *Symposium Volume, Environmental Studies Program Pub. #5*, New College of University of South Florida, p. 21-39.

- Hine, A. C., and Steinmetz, J. C., 1984, Cay Sal Bank, Bahamas - a partially drowned carbonate platform: *Marine Geology*, v. 59, p. 135-164.
- Hutton, J. G., Hine, A. C., Evans, M. W., Osking, E. B., and Belknap, D. F., 1984, Influence of a karstified limestone surface on an open-marine, marsh-dominated coastline: West-central Florida: *in* Beck, B. F., ed., *Sinkholes: Their Geology, Engineering & Environmental Impact*; Proceedings, First Multidisciplinary Conference on Sinkholes, Orlando, Florida, 15-17 October, 1984: Balkema Pub., Boston, p. 35-42.
- Evans, M. W., Hine, A. C., Belknap, D. F., and Davis, R. A., 1985, Bedrock controls on barrier island development: West-central Florida coast: *Marine Geology*, v. 63, p. 263-283.
- Hine, A. C., and Snyder, S. W., 1985, Coastal lithosome preservation: evidence from the shoreface and continental shelf off Bogue Banks, North Carolina: *Marine Geology*, v. 63, p. 307-330.
- Riggs, S. R., Snyder, S. W. P., Hine, A. C., Ellington, M. D., Snyder S. W., Stewart, T. L., and Mallette, P. M., 1985, Preliminary evaluation of the phosphate resource potential in Onslow Bay, North Carolina Continental Shelf: *Economic Geology*, v. 80, p. 716-738.
- Mullins, H. T., Gardulski, A. C., and Hine, A. C., 1986, Catastrophic collapse of the West Florida carbonate platform margin: *Geology*, v. 14, p. 167-170.
- Kump, L. R., and Hine, A. C., 1986, Ooids as sea level indicators: *in* van de Plassche, O., ed., *Manual for Collection and Evaluation of Sea Level Data*, IGCP Project 61 Pub., p. 175-193.
- Hine, A. C., Evans, M. W., Davis, R. A., and Belknap, D. F., 1987, Depositional response to seagrass mortality along a low-energy, barrier-island coast: West-central Florida: *Journal of Sedimentary Petrology*, v. 57, p. 431-439.
- Matteucci, T. D., and Hine, A. C., 1987, Evolution of the Cape Fear Terrace: A complex interaction between the Gulf Stream and a paleo-shelf edge delta: *Marine Geology*, v. 77, p. 185-205.
- Davis, R. A., Jr., Hine, A. C., and Bland, M. J., 1987, Midnight Pass, Florida: Inlet stability due to man-related activities in Little Sarasota Bay: *Coastal Sediments '87*, Waterways Division, American Society of Civil Engineers, New Orleans, LA, p. 2062-2077.
- Vaughan, N. D., Johnson, T. C., Mearns, D. L., Hine, A. C., Kirby-Smith, W. W., Ustach, J. F., and Riggs, S. R., 1987, The impact of Hurricane Diana on the North Carolina continental shelf: *Marine Geology*, v. 76, p. 169-176.
- Newton, C. R., Mullins, H. T., Gardulski, A. C., Hine, A. C., and Dix, G. R., 1987, Coral mounds on the West Florida Slope: Unanswered questions regarding the development of deep-water banks: *Palaios*, v. 2, p. 359-367.



- Nummedal, D., Hine, A.C., and Boothroyd, J.C., 1987, Holocene evolution of the south-central coast of Iceland, in, Fitzgerald, D.M., and Rosen, P.S., (eds.), *Glaciated Coasts*: New York, Academic Press, p. 115-150.
- Mearns, D. L., Hine, A. C., and Riggs, S. R., 1988, Comparison of sonographs taken before and after Hurricane Diana; Onslow Bay, North Carolina: *Geology*, v. 16, p. 267-270.
- Hine, A. C., Hallock, P., Harris, M., Mullins, H. T., Belknap, D. F., and Jaap, W., 1988, *Halimeda* bioherms along an open seaway; Miskito Channel, Nicaraguan Rise, SW Caribbean Sea: *Coral Reefs*, v. 6, p. 173-178.
- Mullins, H. T., Gardulski, A. F., Hinchey, E. J., and Hine, A. C., 1988, The modern carbonate ramp slope of central west Florida: *Journal of Sedimentary Petrology*, v. 58, p. 273-290.
- Hine, A. C., Belknap, D. F., Hutton, J. G., Osking, E. B., and Evans, M. W., 1988, Recent geological history and modern sedimentary processes along an incipient, low-energy, epicontinental sea coastline: Northeast Florida: *Journal of Sedimentary Petrology*, v. 58, p. 567-579.
- Dominguez, L. L., Mullins, H. T., and Hine, A. C., 1988, Cat Island platform: Bahamas: An incipiently drowned carbonate shelf: *Sedimentology*, v. 35, p. 805-819.
- Hallock, P., Hine, A. C., Vargo, G. A., Elrod, J. A., and Jaap, W. C., 1988, Platforms of the Nicaraguan Rise: Examples of the sensitivity of carbonate sedimentation to excess trophic resources: *Geology*, v. 16, p. 1104-1107.
- Mullins, H. T., Gardulski, A. F., Hine, A. C., Melillo, A. J., Wise, S. W., and Applegate, J., 1988, Three-dimensional sedimentary framework of the carbonate ramp slope of central west Florida: A sequential seismic stratigraphic perspective: *Geological Society of America Bulletin*, v. 100, p. 514-533.
- Mullins, H. T., and Hine, A. C., 1989, Scalloped bank margins: Beginning of the end for carbonate platforms: *Geology*, v. 17, p. 30-33.
- Snyder, S. W., Evans, M. W., Hine, A. C., and Compton, J. S., 1989, Seismic expression of solution collapse features from the Florida Platform *in* Beck, B. F., ed., *Engineering and environmental impacts of sinkholes and karst*: Rotterdam, A. A. Balkema, p. 182-298.1977.
- Evans, M. W., Hine, A. C., and Belknap, D. F., 1989, Quaternary stratigraphy of the Charlotte Harbor estuarine-lagoon system, southwest Florida: Implications of the carbonate-siliciclastic transition: *Marine Geology*, v. 88, p. 319-348.
- Snyder, S. W., Hine, A. C., Riggs, S. R., 1990, The seismic stratigraphic record of shifting Gulf Stream flow paths in response to Miocene glacioeustacy: Implications for

- phosphogenesis along the North Carolina Continental Margin: *in* Riggs, S. R., and Burnett, W. C., eds., *Phosphate Deposits of The World*, v. III; Neogene to modern Phosphorites: Cambridge University Press, p. 396-423.
- Powers, E. R., Crowson, R. A., Riggs, S. R., Snyder, Stephen W., Snyder, Scott W., and Hine, A. C., 1990, Chemical characteristics and reevaluation of the phosphate resource potential in Onslow Bay, North Carolina continental shelf: *Marine Mining*, v. 9, p. 1-41.
- Evans, M.W., and Hine, A.C., 1991, Late Neogene sequence stratigraphy of a carbonate-siliciclastic transition: southwest Florida: *Geological Society of America Bulletin*, v. 103, p. 679-699.
- Triffleman, N. J., Hallock, P., Hine, A. C., and Peebles, M. W., 1991, Distribution of foraminiferal tests in sediments of Serranilla Bank, Nicaraguan Rise, southwestern Caribbean: *Journal of Foraminiferal Research*, v. 21, p. 39-47.
- Mullins, H. T., and Hine, A. C., 1991, Reply to M. M. Ball's comment on "Scalloped bank margins: Beginning of the end for carbonate platforms?"; *Geology*, v. 18, p. 95-96.
- Eyles, N., Mullins, H. T., and Hine, A. C., 1991, Thick and fast: Sedimentation in a Pleistocene fiord lake of British Columbia: *Geology*, v. 18, p. 1153-1157.
- Hallock, P., Jaap, W. C., Donnelly, K. B., and Hine, A. C., Research diving on remote shoals of the Nicaraguan Rise, southwest Caribbean, in *Proceedings of the America Academy of Underwater Sciences Tenth Annual Scientific Diving Symposium, Diving for Science*, 1990, Costa Mesa, CA, p. 1390-145.
- Lidz, B. H., Hine, A. C., Shinn, E. A., and Kindinger, J. L., 1991, Multiple outer-reef tracts along the south Florida bank margin: Outlier reefs, a new windward model: *Geology*, v. 19, p. 115-118.
- Evans, M. W., and Hine, A. C., 1991, Late Neogene sequence stratigraphy of a carbonate-siliciclastic transition: Southwest Florida: *Geological Society of America Bulletin*, v. 103, p. 679-699.
- Hine, A.C., Land, L. S., Clayton, T.D., and McCullough, M.L., 1991, Seismic stratigraphy of Discovery Bay, Jamaica: *Marine Geology*, v. 98, p. 83-97.
- Eyles, N., Mullins, H.T., and Hine, A.C., 1991, The seismic stratigraphy of Okanagan Lake, British Columbia; a record of rapid deglaciation in a deep "fiord-lake" basin: *Sedimentary Geology*, v. 73, p. 13-41.
- Hine, A.C., and Doyle, L.J., 1991, Quaternary geology of the west Florida continental shelf: *Coastal Depositional Systems of the Gulf of Mexico*; Gulf Coast Section of Society of Economic Paleontologists and Mineralogists, p. 93-94.

- Shinn, E.A., Lidz, B.H., and Hine, A.C., 1991, Coastal evolution and sea-level history: Florida Keys: Coastal Depositional Systems of the Gulf of Mexico; Gulf Coast Section of Society of Economic Paleontologists and Mineralogists, p. 237-239.
- Triffleman, N. J., Hallock, P., and Hine, A. C., and Peebles, M., 1992, Morphology, sediments, and depositional environments of a small, partially drowned carbonate platform: Serranilla Bank--southwest Caribbean Sea: *Journal of Sedimentary Petrology*, v. 21, p. 39-47.
- Davis, R.A., Hine, A.C., and Shinn, E.A., 1992, Holocene coastal development on the Florida Peninsula: Society of Economic Paleontologists and Mineralogists Special Publication No. 48, p. 193-212.
- Hine, A.C., Locker, S.D., Tedesco, L.P., Mullins, Hallock, P. Belknap, D. Gonzales, J.L., Neumann, A.C., and Snyder, S.W., 1992, Megabreccia shedding from modern, low-relief carbonate platforms; Nicaraguan Rise: *Geological Society of America Bulletin*, v. 104, p. 928-943.
- Hine, A.C., Harris, M.W., Locker, S.D., Hallock, P., Peebles, M., Tedesco, L., Mullins, H.T., Snyder, S.W., Belknap., Gonzales, J.L., Neumann, A.C., and Martinez, J., 1994, Sedimentary infilling of an open seaway: Bawihka Channel, Nicaraguan Rise: *Journal of Sedimentary Research*, v. B64., p. 2-25.
- Evans, M.W., Snyder, S.W., and Hine, A.C., 1994, High resolution seismic expression of karst evolution within the upper Floridan Aquifer system: Crooked Lake, Polk County, Florida: *Journal of Sedimentary Research*, v. B64, p. 232-244.
- Goodbred, S.L., and Hine, A.C., 1995, Coastal storm deposition: a saltmarsh shoreline response to the March 1993 "Storm of the Century"; west central Florida: *Geology*, v. 23, p. 679-682.
- Locker, S.D., and Hine, A.C., 1995, Late Quaternary sequence stratigraphy, south Florida margin: *Offshore Technology Conference Proceedings*, p. 319-327.
- Leonard, L.A., Hine, A.C., Luther, M.E., and Stumpf, R.P., 1995, Sediment transport processes in a west-central Florida open marine marsh tidal creek: the role of tides and extra-tropical storms: *Estuarine, Coastal, and Shelf Science*, v. 41, p. 225-248.
- Leonard, L.A., Hine, A.C., and Luther, M.E., 1995, Surficial sediment transport and deposition processes in a *Juncas roemerianus* marsh, west-central Florida: *Journal of Coastal Research*, v. 11, p. 322-336.
- Riggs, S.R., Snyder, S.W., Hine, A.C., and Mearns, D.L., 1996, Hardbottom morphology and relationship to the geologic framework: mid-Atlantic continental shelf: *Journal of Sedimentary Research*, v. 66, p. 830-846.

- Locker, S.D., Hine, A.C., Tedesco, L.P., and Shinn, E.A., 1996, Magnitude and timing of episodic sea-level rise during the last deglaciation: *Geology*, v. 24, p. 827-830.
- Hine, A.C., 1997, Structural, stratigraphic, paleoceanographic development of the margins of the Florida Platform, in, Randazzo, A.F., and Jones, D.S., eds., *Geology of Florida*, University of Florida Press, Gainesville, FL.
- Shinn, E.A., Reich, C.D., Locker, S.D., and Hine, A.C., 1996, A giant sediment trap in the Florida Keys: *Journal of Coastal Research*, v. 12, p. 953-959.
- Mullins, H.T., Hinchey, E.J., Wellner, R.W., Stephens, D.B., Anderson, W.T., Dwyer, T.R., and Hine, A.C., 1996, Seismic stratigraphy of the Finger Lakes: a continental record of Heinrich event H-1 and Laurentide ice sheet instability: *Geological Society of America Special Paper 311*, p. 1-35.
- Peebles, M.W., P. Hallock, and A.C. Hine, 1997, Benthic foraminiferal assemblages from the current-swept carbonate platforms of the Northern Nicaraguan Rise, Caribbean Sea: *Journal of Foraminiferal Research*. v. 27, p. 42-50.
- Acker, J.G., Brown, C.W., and Hine, A.C., 1997, The "CORSAGE" programme: continuous orbital remote sensing of archipelagic geochemical effects: *International Journal of Remote Sensing*, v. 18, p. 305-321.
- Lidz, B.H., Shinn, E.A., Hanson, M.E., Halley, R.B., Harris, M.W., Locker, S.D., and Hine, A.C., 1997, Maps showing sedimentary and biological environments, depth to Pleistocene bedrock, and Holocene sediment and reef thickness from Molasses Reef to Elbow Reef, Key Largo, South Florida: USGS Misc. Investigations Series MAP I-2505, USGS Information Services, Federal Center, Denver, CO 80225.
- Lidz, B. H., Shinn, E.A., Hine, A.C., and Locker, S.D., 1997, Contrasts within an outlier-reef system: evidence for differential Quaternary evolution, south Florida: *Journal of Coastal Research*, v. 13, p. 711-731.
- Mallinson, D., Locker, S.D., Hafen, M., Naar, D., Hine, A.C., Lavoie, D. and Schock, S., 1997, A high-resolution geological and geophysical investigation of the Dry Tortugas carbonate depositional environment: *Geo-Marine Letters*, p. 237-245.
- Goodbred, S.L., Wright, E.E., and Hine A.C., 1998, A record of sea-level change and storm-surge deposition in the late Holocene stratigraphy of a Florida salt-marsh shoreline: *Journal of Sedimentary Research*, v. 68, p. 240-252
- Mallinson, D., Naar, D., Hine, A.C., and 8 others, 1997, Acoustic seafloor mapping using the AUV Ocean Explorer: *Proceedings of the 10th International Symposium on Unmanned Untethered Submersible Technology*, Autonomous Undersea Systems Institute, p. 339-352.

- Droxler, A.W., Burke, K.C., Cunningham, A.D., Hine, A.C., Rosencrantz, E., Duncan, D.S., Hallock, P., and Robinson, E., 1998, Caribbean constraints on circulation between Atlantic and Pacific Oceans over the past 40 million years, in Crowley, T.J., and Burke, K.C., eds., *Tectonic boundary conditions for climate reconstructions: Oxford Monographs on Geology and Geophysics No. 39*, Oxford University, p. 169-191
- Feary, D., Hine, A.C., and Malone, M., 1998, Cenozoic cool-water carbonates; Great Australian Bight: Leg 182 Scientific Prospectus, Ocean Drilling Program, TAMU, College Station, TX.
- Gelfenbaum, G., Brooks, G.R., Davis, L., Gibbs, A.E., Hine, A.C., Locker, S.D., Twichell, D.C., and Weisberg, R.H., 1998, Origins and development of the west-central Florida barrier island system: Interpretations of the past and recommendation for the future: Proceedings Volume, 11th Annual National Conference on Beach Preservation Technology, St. Petersburg, FL
- Hine, A.C., Locker, S.D., Harrison, S.E., Edwards, J.H., Donahue, B., and Twichell, D.C., 1998, Regional geological characteristics and sedimentary cover of the inner shelf off the west-central Florida coastline: Proceedings Volume, 11th Annual National Conference on Beach Preservation Technology, St. Petersburg, FL
- Hine, A.C., and Feary, D.A., 1998, Deciphering Cenozoic cool-water carbonates of the Great Australian Bight: JOI/USSAC Newsletter, v. 10, p. 12-15.
- Duncan, D.S., Hine, A.C., Droxler, A.W., 1999, Tectonic controls on carbonate sequence formation in an active strike-slip setting: Serranilla Basin, northern Nicaraguan Rise, western Caribbean Sea: *Marine Geology*, v. 160, p. 355-382.
- Hine, A.C., Feary, D.A., and Malone, M. J., 1999, Research in Great Australian Bight Yields Exciting Early Results: *EOS*, v. 80, p. 521, 525-526.
- Mallinson, D., Naar, D., Hine, A., Smith, S., Schock, S., Wilson, D., and Gelfenbaum, G., 1999, Seafloor mapping and target identification using AUVs: Applied AUV experiments: in Proceedings of the 11th International Symposium on Unmanned Untethered Submersible Technology: Autonomous Undersea Systems Institute, p. 257-269.
- James, N.P., Feary, D.A., Surlyk, F., Simo, J.A., Betzler, C., Holbourn, A.E., Ki, Q., Matsuda, H., Machiyama, H., Brooks, G.R., Andres, M., Hine, A.C., and Malone, M.J., and the ODP Leg 182 Scientific Party, 2000, Quaternary bryozoan reef-mounds in cool-water, upper slope environments; Great Australian Bight: *Geology*, v. 28, p. 647-650
- Swart, P.K., Wortmann, U.G., Mitterer, R.M., Malone, M.J., Smart, P.L., Feary, D., Hine, A.C., and the ODP Leg 182 Scientific Party, 2000, Hydrogen sulphide-rich hydrates and saline fluids in the continental margin of south Australia: *Geology*, v. 28, p. 1039-1042.
- Feary, D.A. Hine, A.C., Malone, M., and the Leg 182 Scientific Party, 2000, Cool-water “reefs”,

- possible hydrogen sulfide/methane clathrates, and brine circulation—preliminary results of Leg 182 drilling in the Great Australian Bight: *JOIDES Journal*, v. 25, p. 4-7.
- Hine, A.C., Brooks, G.R., Davis, R.A., Jr., Doyle, L.J., Gelfenbaum, G., Locker, S.D., Twichell, D.C., and Weisberg, R., 2001, A summary of findings of the west-central Florida coastal studies project: USGS Open File Report 01-103.
- Mitterer, R.M., Malone, M.J., Goodfriend, G.A., Hine, A.C., et al., 2001, Co-generation of hydrogen sulfide and methane in marine carbonate sediments: *Geophysical Research Letters*, v. 28, p. 3931-3934.
- Acker, J.G., Brown, C.W., Hine, A.C., Armstrong, E.A., and Kuring, N., 2002, Satellite remote sensing observations and aerial photography of storm-induced neritic carbonate transport from shallow carbonate platforms: *Int. Journal of Remote Sensing*, v. 23, no. 14, p. 2853-2868.
- Acker, J.G., Hine, A.C., Brown, C.W., and Armstrong, E.M., 2002, Satellite and airborne remote sensing observations of neritic carbonate sediment transport from the Bahamas Banks and Bermuda, in Magoon, O.T., Robbins, L.L., and Ewing, L., (eds.), *Carbonate Beaches: Am. Society of Civil Engineers Conference Proceedings*, p. 261-273.
- Locker, S.D. and Hine, A.C., 2002, Characteristics and implications of relict carbonate paleoshorelines, in Robbins, L.L., Magoon, O.T., and Ewing, L., (eds.) *Carbonate Beaches 2000: First International Symposium on Carbonate Sand Beaches. Conference proceedings*, Dec. 5-8, 2000, Westin Beachresort, Key Largo, Florida. pp.22-23.
- Cunningham, K.J., Locker, S.D., Hine, A.C., Bukry, D., Barron, J.A., and Guertin, L.A., 2003, Interplay of Late Tertiary siliciclastic supply and carbonate response on the southeast Florida Platform: *Journal of Sedimentary Research*, v. 73, p. 31-46.
- Mallinson, D.J., Flower, B., Hine, A.C., Brooks, G., Garza, R.M., 2003, Paleoclimate implications of high latitude precession-scale mineralogic fluctuations during early Oligocene Antarctic glaciation: the Great Australian Bight record: *Global and Planetary Change*, v. 39, p. 257-269.
- Mallinson, D. Hine, A.C., Hallock, P., Locker, S.D., Shinn, E.A., Naar, D.F., Donahue, B., and Weaver, D., 2003, Development of small carbonate banks on the south Florida platform margin: response to sea level and climate change: *Marine Geology*, v. 199, p. 45-63. {R}
- Wood, N.J., and Hine, A.C., 2003, Sediment dynamics of a sediment starved, open-marine marsh embayment: Waccasassa Bay, Florida: *Journal of Coastal Research*, V. 19, p. 574-583
- Wright, E.E., Hine, A.C., Goodbred, S.L., and Locker, S.D., 2005, The effect of climate and sea-level change on the development of a low-energy, mixed siliciclastic-carbonate, deltaic coastline: Suwannee River, FL: *Journal of Sedimentary Research*, v. 75. p. 621-635.

Obrochta, S. P., and Hine, A.C., 2006, Data report: variations in bulk carbonate content, Hole 1198A, 14.5—41.11 and 67.4—100.1 mbsf; Leg 194 Science Volume, ODP.

### **Marine Geology Special Issue—**

Brooks, G., Doyle, L.J., Suthard, B. C., Locker, S.D., and Hine, A.C., 2003. Facies architecture of the mixed carbonate/siliciclastic inner continental shelf of west-central Florida: Implications for Holocene barrier development. *Marine Geology Special Publication*, v. 200, p. 325-349.

Donahue, B., Hine, A.C., Locker, S.D., and Twichell, D. C., 2003, Tidal inlet/inner shelf transition and interaction: West-Central Florida. *Marine Geology Special Publication*, v. 200., p. 219-241, v. 200., p. 125-156.

Duncan, D. S., Locker, S.D., Brooks, G.R., Hine, A.C., and Doyle, L.J., 2003. Mixed carbonate-siliciclastic infilling of a Neogene carbonate shelf valley system: Tampa Bay, west-central Florida. *Marine Geology Special Publication*, v. 200., p. 125-156.

Edwards, J.H., Harrison, S.E., Locker, S.D., Hine, A.C., and Twichell, D.C., 2003. Stratigraphic framework of sediment-starved sand ridges on a mixed siliciclastic/carbonate inner shelf off west-central Florida. *Marine Geology Special Publication*., v. 200., p. 195-217.

Harrison, S.E, Locker, S.D, Hine, A.C., Edwards, J. H., Naar, D.F., Twichell, D.C., and Mallinson, D.J., 2003. Seafloor characteristics and process-response relationships of sediment starved sand ridges on a mixed carbonate/siliciclastic inner shelf off west-central Florida. *Marine Geology Special Publication*, v. 200, p. 171-194.

Hine, A.C., Brooks, G.R., Davis, R.A., Duncan, D.S., Locker, S.D., Twichell, D.C., and Gelfenbaum, G., 2003. The west-central Florida inner shelf and coastal system: a geologic conceptual overview and introduction to the special issue: *Marine Geology Special Publication*, v. 200, p. 1-17.

Locker, S.D., Hine, A.C., and Brooks, G. R., 2003. Regional stratigraphic framework linking continental shelf and coastal sedimentary deposits of west-central Florida. *Marine Geology Special Publication*, v. 200., p. 351-378.

### **End of Marine Geology Special Publication**

Berman, G.A., Naar, D.F., Hine, A.C., Brooks, G.R., Tebbens, S.F., Donahue, B.T., and Wilson, R., 2005, Geologic structure and hydrodynamics of Egmont Channel: An anomalous inlet at the mouth of Tampa Bay, Florida: *Journal of Coastal Research*, v. 21, no. 2, p. 331-357.

- Jarrett, B.D., Hine, A.C., Halley, R.B., Naar, D.F., Locker, S.D., Neumann, A.C., Twichell, D., Hu, C., Donahue, B.T., Palandro, D., and Jaap, W.C., 2005, Strange bedfellows—a deep hermatypic coral reef superimposed on a drowned barrier island; southern Pulley Ridge, SW Florida platform margin: *Marine Geology*, v. 214, p. 295-307.
- Wright, E. E., Hine, A.C., Goodbred, S.L., and Locker, S.D., 2005, The effect of climate and sea-level change on the development of a low-energy, mixed siliciclastic/carbonate, deltaic coastline: Suwannee River, FL: *Journal of Sedimentary Research*, v. 75, p. 621-635.
- Cronin, T., Edgar, N.T., Brooks, G. Hastings, D., Larson, R., Hine, A., Locker, S., Suthard, B., Flower, B., Hollander, D., Wehmiller, D., Willard, and Smith, S., 2007, Sea-Level Rise in Tampa Bay, *EOS.*, v., 88, no. 10, p. 117-118.
- Wood, N., and Hine, A.C., 2007, Spatial trends in marsh sediment deposition within a microtidal creek system, Wacassassa Bay, Florida: *Journal of Coastal Research*, v. 23, p. 823-833.
- Hine, A.C., Halley, R.B., Locker, S.D., Jarrett, B.D., Jaap, W.C., Mallinson, D.J., Ciembronowicz, K. T., Ogden, N.B., Donahue, B.T., and Naar, D.F., 2009, Coral Reefs, Present and Past, on the West Florida Shelf and Platform Margin, *In* Riegl B. M., Dodge R.E., eds., *Coral Reefs of the USA*. Springer, p. 127-173.
- Kindler, P., and Hine, A.C., 2009, Ooids, the paradox, *In*, Swart, P.K., Eberli, G.P. and McKenzie, J. A., (eds.), *Perspectives in Sedimentary Geology: A Tribute to the Career of Robert Nathan Ginsburg*, International Association of Sedimentologists Special Publication, 41, p. 113-122.
- Hine, A.C., Suthard, B., Locker, S.D., Cunningham, K.J., Duncan, D.D., Evans, M., and Morton, R.A., 2009, Karst Subbasins and Their Relation to the Transport of Tertiary Siliciclastic Sediments on the Florida Platform, *In* Swart, P.K.; Eberli, G.P., And McKenzie, J.A. (eds.), *Perspectives in Sedimentary Geology: A Tribute to the Career of Robert N. Ginsburg*, International Association of Sedimentologists Special Publication, 41, p. 179-197.
- Hine, A.C., 2009, USF College of Marine Science Signature Research Areas: Understanding the Oceans to Create Global Solutions; *Shore and Beach*, v. 77, p. 11-14.
- Hine, A.C. *The Geology of Florida*, 2009, Cengage Publishing, [www.cengagecustom.com](http://www.cengagecustom.com), 30p.
- Hickey, T.D., Hine, A.C., Shinn, E.A., Kruse, S.E., and Poore, R.Z., 2010, Pleistocene Carbonate Stratigraphy of South Florida: Evidence for High-Frequency Sea-Level Cyclicity. *Journal of Coastal Research*: v. 26, p. 605-614.
- Hine, A.C., and Locker, S.D., 2011, The Florida Gulf of Mexico continental shelf—great contrasts and significant transitions, in, Buster, N.A., and Holmes, C.E., eds., *Gulf of Mexico: Volume 3, Geology*, Harte Research Institute for Gulf of Mexico Studies, Texas A&M University Press, p. 101-127.



Hine, A.C., *The geologic history of Florida—the major events of the past that shaped the sunshine state*, 2013; Gainesville, FL, The University Press of Florida.

### **ODP Leg 182 Science Volume**

Brunner, C.A., Andres, M., Holbourn, A.E., Brooks, G.R., Molina Garza, R., Fuller, M.D., Ladner, B.C., Hine, A.C. and Li, Q., 2003, Quaternary Planktonic Foraminiferal Biostratigraphy, ODP Leg 182 Sites (PDF);182SR-011  
www.odp.tamu.edu/publications/182\_SR/main.htm#Chapters. {R}

Brooks, G.R., Hine, A.C., Mallinson, D., and Drexler, T.M., 2002, Data Report: Texture and Composition of Quaternary Upper-Slope Sediments in the Great Australian Bight: Sites 1130 and 1132 (PDF);182SR-003, www  
odp.tamu.edu/publications/182\_SR/main.htm#Chapters. {R}

Feary, D.A., Hine, A.C., James, N.P., and Malone, M.J., 2004, Leg 182 synthesis: exposed secrets of the Great Australian Bight. In Hine, A.C., Feary, D.A., and Malone M.J., (Eds.), Proc ODP, Sci. Results, 182-1-30 (Online). Available from the World Wide Web: [http://www-odp.tamu.edu/publications/182\\_SR/VOLUME/SYNTH/SYNTH.PDF](http://www-odp.tamu.edu/publications/182_SR/VOLUME/SYNTH/SYNTH.PDF)

Hine, A.C., Feary, D.A., and Malone, M.J., 2004, (Eds.), Proc. ODP, Sci. Results, 182, 1-24 [CD-ROM]. Available from: Ocean Drilling Program, Texas A&M University, College Station TX 77845-9547, USA.

Hine, A.C., Brooks, G.R., Mallinson, D. Brunner, C.A., James, N.P., Feary, D.A., Holbourn, A.E., Drexler, T.M., and Howd, P., 2002, Data Report: Late Pleistocene–Holocene Sedimentation along the Upper Slope of the Great Australian Bight (PDF); 182SR-009; www.odp.tamu.edu/publications/182\_SR/main.htm#Chapters.

Mallinson, D.J., Flower, B.A., Hine, A.C. Brooks, G.R., Molina-Garza, R., Drexler, T.M., and the Leg 182 Shipboard Party, 2003, Data Report: Mineralogy and Geochemistry of ODP Site 1128, Great Australian Bight (PDF); 182SR-001, www  
odp.tamu.edu/publications/182\_SR/main.htm#Chapters.

### ***Technical Reports***

Nummedal, D, Hine, A. C., Ward, L. G., Hayes, M. O., Boothroyd, J. C., Stephen, M. F., Hubbard, D. K., 1974, Recent migrations of the Skeidararsandur shoreline, Southeast Iceland: Final Report, Contract N60921-730C-258, Naval Ordnance Laboratory, 156 pp.

Caruccio, F., Finley, R. J., Hine, A. C., and Kaczorowski, R., 1975, Environmental Geology Lab Manual (2nd edition): Published and sold to University of South Carolina Geology students, 64 pp.

- Hubbard, D. K., Ward, L. G., FitzGerald, D. M., and Hine, A. C., 1976, Bank margin morphology and sedimentation, Lucaya, Grand Bahamas Island: Tech. Rept. No. 7-CRD, University of South Carolina, Columbia, 36 p.
- Hine, A. C., Snyder, S., and Neumann, A. C., 1979, A sea level history and resulting inner continental shelf/coastal plain stratigraphy, Bogue Banks area, N. C.: Final Report submitted to the North Carolina Science and Technology Committee.
- Davis, R. A., Belknap, D. F., Hine, A. C., 1982, Barrier island dynamics on a highly developed coast: Final Report to Florida Sea Grant.
- Hine, A. C., Davis, R. A., Jr., Mearns, D. L., and Bland, M., 1986, Impact of Florida's Gulf Coast inlets on the coastal sand budget: Final Report to Bureau of Beaches and Shores, Florida Department of Natural Resources, 128 p.
- Hine, A.C., and Belknap, D.F., 1986, Recent geological history and modern sedimentary processes of the Pasco, Hernando, and Citrus County coastline: west-central Florida: Gainesville, University of Florida, Florida Sea Grant College Publication 79, 160p.
- Hine, A. C., Mearns, D. L., Evans, M. W., and Belknap, D. F., 1987, Effect of Hurricane Elena on Florida's marsh dominated coast: Pasco, Hernando, and Citrus counties: Florida Sea Grant College Technical Paper No. 49, Gainesville, 33 p.
- Hine, A. C., 1987, Evaluation of the Lee County coastline: Dominant processes, shoreline change, stabilization efforts, and recommendations for beach management: Lee County Planning Dept., 38 p.
- Evans, M. W., and Hine, A. C., 1988, Late Miocene to Quaternary seismic and lithologic sequence stratigraphy of the Charlotte Harbor area: Southwest Florida: Final report submitted to the South Florida Water Management District, 90 p.
- Hine, A. C., 1989, Evaluation of the Volusia County coastline: Dominant processes, shoreline changes, stabilization efforts, and recommendation for beach management: Final report to Volusia County Planning Dept., 83 p.
- Blake, N. J., Doyle, L. J., Hine, A. C., and Locker, S. P., 1989, Reconnaissance survey of State waters adjacent to Anclote Key: Final report to ANR Pipeline Co., 85 p.
- Locker, S.D., and Hine, A.C., 1999, Application of seismic reflection profiling for modeling aquifer systems in the Caloosahatchee River Basin, Florida: Final Report submitted to the USGS WRD, Miami, 18p.
- Hine, A.C., Naar, D. F., Mallinson, D.J., Wilson, D., Gelfenbaum, G., 2000, Utilizing Autonomous Underwater Vehicles for Seafloor Mapping, Target Identification, and Predictive Model Testing: Final Report to ONR Grant #N00014-96-1-5032, 100p with appendices.

Cunningham, K.J. Locker, S.D., Hine, A.C., Bukry, D., Barron, J.A., and Guertin, L.A., 2001, Surface geophysical characterization of ground-water systems of the Caloosahatchee River Basin, southern Florida: USGS Water Resources Investigations Report 01-4084, 76p.

Hine, A.C. Howd, P., Naar, D.F., Mallinson, D., and Locker, S.D., 2002, Seafloor mapping, autonomous underwater vehicles, inner continental shelf, sediment transport, and acoustic properties: Final Report for ONR #N00014-96-5032.

### ***Published Book Reviews***

Hine, A. C., 1978, Book review of P. D. Komar's *Beach Processes and Sedimentation*: *Journal of Sedimentary. Petrology*, v. 48, p. 1381-1382.

Hine, A. C., 1980, Book review of S. P. Leatherman's *Barrier Islands, From the Gulf of St. Lawrence to the Gulf of Mexico*: *Journal of Sedimentary. Petrology*, v. 50, p. 670-671.

Hine, A. C., 1980, Book review of P. M. Harris' *Facies Anatomy and Diagenesis of a Bahamian Ooid Shoal*: *Journal of Sedimentary. Petrology*, v. 50, p. 660.

Published book review of *Advances in Carbonate Sequence stratigraphy: Application to Reservoirs, Outcrops, and Models*, EOS, Jan 19, 2001 issue.

### ***Other Publications (Theses, Field Guides, Open File Reports)***

Hine, A. C., 1972, Sand deposition in the Chatham Harbor Estuary and on the neighboring beaches, Cape Cod, Mass: Unpublished. M. S. thesis, Geol. Dept., Univ. Massachusetts, Amherst, 187 p.

Hine, A. C., 1975, Shallow carbonate bank margin structure and depositional processes: Northwestern Little Bahama Bank: Bahamas: Unpublished. Ph.D. dissertation, Geol. Dept., Univ. South Carolina, Columbia, 124 p. Part I, 91 p. Part II.

Hine, A. C., 1983, Modern shallow water carbonate platform margins; chp. 3, *in* Cook, H. E., Hine, A. C., and Mullins, H. T., eds., *Platform Margin and Deep Water Carbonates*: Society of Economic Paleontologists and Mineralogists Short Course Notes No. 12, p. 3-1 C 3-100.

Doyle, L. J., Sharma, D., Hine, A. C., Pilkey, O. H., Jr., Neal, W. J., Pilkey, O. H., Sr., Martin, D. M., and Belknap, D. F., 1985, *Living with the West Florida Shore*: Duke University Press.

Davis, R. A., Hine, A. C., and Belknap, D. F., 1985, *Geology of the barrier island marsh-dominated coast, West-Central Florida*: Geological Society of America Field Trip Guidebook, University of South Florida, 119 p.

- Hine, A. C., and Riggs, S. R., 1986, Geologic Framework Cenozoic history, and modern processes of sedimentation on the North Carolina continental margin *in* Textoris, D. A., ed., Society of Economic Paleontologists and Mineralogists Guidebooks, Southeastern United States Third Annual Meeting, Raleigh, N. C., pp. 131-194.
- Davis, R. A., Jr., and Hine, A. C., 1989, IGC Field trip T375: Quaternary geology and sedimentology of the barrier island and marshy coast, west-central Florida: Published by American Geophysical Union.
- Wright, E.E., Hine, A.C., Stumpf, R.P., Leonard, L.A., Goodbred, S.L., Quigley, W.C., and Wood, N., 1995, Geologic history and sedimentary processes of a karstic, bedrock-dominated coastline: Big Bend coast, Florida: SEPM Field Trip #10, SEPM's First Congress on Sedimentary Geology, St. Pete Beach, FL.
- Locker, S.D., Brooks, G.R., Hine, A.C., Davis, R.A., Twichell, D.C., Doyle, L.J., 1999, Compilation of Geophysical and Sedimentological Data Sets for the West-Central Florida Studies Project: USGS Open File Report.
- Donahue, B.T., Hine, A.C., Tebbens, S.F., Locker, S.D., Twichell, D.C., and Hafen, M., 1999, Side-Scan Sonar Mosaic; Mouth of Tampa Bay, Florida: USGS Open File Report #99-445.
- Harrison, S.E., Locker, S.D., Hine, A.C., and Twichell, D.C., 1999, Side-Scan Mosaic; Indian Rocks Beach, Florida: USGS Open File Report #99-444.
- Locker, S.D., Hine, A.C., Brooks, G.R., Doyle, L.J., Blake, N.J., Guy, K.K., and Suthard, B.C., 1999, Side-scan imagery, Anclote Keys Area: USGS Open File Report # 99-442.
- Twichell, D.C., Cross, V.A., Paskevich, V.F., Pavolski, K.F., Brooks, G.R., Gelfenbaum, G.R., Hine, A.C., and Locker, S.D., 1999, Side-Scan Sonar Mosaic; Sarasota, FL: USGS Open File Report #99-443.
- Locker, S.D., Hine, A.C., Davis, R.A., Brooks, G.R., and Edgar, T., 1999, West-Central Florida Coastal Transect #1; Anclote Key: USGS Open File Report # 99-505.
- Locker, S.D., Davis, R.A., Brooks, G.R., Hine, A.C., and Gelfenbaum, G., 1999, West-Central Florida Coastal Transect #2; Caladesi Island-Clearwater Beach Island: USGS Open File Report # 99-506.
- Locker, S.D., Brooks, G.R., Hine, A.C., Davis, R.A., Harrison, S.E., and Twichell, D.C., 1999, West-Central Florida Coastal Transect #3; Sand Key: USGS Open File Report #99-507
- Locker, S.D., Brooks, G.R., Hine, A.C., and Gelfenbaum, G., 1999 West-Central Florida Coastal Transect #4; Indian Rocks Beach: USGS Open File Report #99-508.

Locker, S.D., Davis, R.A., Hine, A.C., Brooks, G.R., and Gelfenbaum, G., 1999, West-Central Florida Coastal Transect #5; Treasure Island: USGS Open File Report #99-509.

Locker, S.D., Brooks, G.R., Davis, R.A., Hine, A.C., and Gelfenbaum, G., 1999, West-Central Florida Coastal Transect #6; Anna Maria Island: USGS Open-File Report #99-510.

Locker, S.D., Davis, R.A., Brooks, G.R., Hine, A.C., and Twichell, D.C., 1999, West-Central Florida Coastal Transect #7; Longboat Key: USGS Open File Report # 99-511.

Locker, S.D., Brooks, G.R., Davis, R.A., Hine, A.C., and Twichell, D.C., 1999, West-Central Florida Coastal Transect #8: USGS Open File Report # 99-512.

Locker, S.D., Hine, A.C., Davis, R.A., Brooks, G.R., and Gelfenbaum, G., 1999, West-Central Florida Coastal Transect #9: USGS Open File Report #99-513.

Hine, A.C., Brook, G.R., Davis, R.A., Doyle, L.J., Gelfenbaum, G., Locker, S.D., Twichell, S.D., and Weisberg, R.H., 2003, a summary of findings of the west-central Florida coastal studies project: USGS Open File Report 01-303.

### ***Grants and Contracts***

Penrose Bequest Research Grant, Geological Society of America: "Shallow Carbonate Bank Margin Variability; Little Bahama Bank, Bahamas". Principal Investigator; 1975, \$1,000.

National Science Foundation: "The Geology and Oceanography of North-West Providence Channel, Bahamas". Co-principal Investigator with A. C. Neumann; 1976-1978, \$68,000.

North Carolina Science and Technology Committee: "A Holocene Sea Level History of North Carolina". Co-principal Investigator with A. C. Neumann; 1976-1978, \$11,700.

University Marine Science Council: "Holocene Infilling of Selected Coastal Lagoons/Shallow Sounds, North Carolina." 1978, \$3,000.

National Science Foundation: "Trailing Edge Carbonate Margins of Open Seas and Seaways: Near-Surface Stratigraphy and Processes of Deposition". Co-principal Investigator with A. C. Neumann; 1977-1979, \$109,000.

North Carolina Science and Technology Committee: "An Environmental Geologic Atlas of the Nearshore and Inner Continental Shelf off a Developing Barrier Island System: Bogue Banks, North Carolina" 1977-1979, \$12,400.

National Science Foundation: "Drilling and Seismic Investigations on Bermuda Atoll". Collaboration with Peter Garrett, University of California, Santa Barbara, Principal Investigator; 1978, \$35,000.

- State of North Carolina: "Sewage Outfall Studies Within Selected Sites Along the North Carolina Coast". Co-investigator with W. H. Queen, East Carolina University, Principal Investigator; 1978-1979, \$43,000.
- National Science Foundation: "Submarine Phosphorites in Onslow Bay, North Carolina: "Evaluation of an Exploration Model". Co-Investigator with S. R. Riggs, East Carolina University, Principal Investigator; 1979-1981, \$148,000.
- USF President's Council Grant: "Interpretation of Geologic Features of Shallow Tropical Seas from Satellite Imagery"; 1980, \$1,000.
- National Science Foundation: "Paleo-environmental Ramifications of Buried Channels on the Inner Continental Shelf". A. C. Hine, Principal Investigator; 1980-1982, \$52,000.
- Sea Grant: Barrier Island Dynamics on a Highly Developed Coast; Pinellas County, Florida: R. A. Davis, D. F. Belknap, A. C. Hine, Principal Investigator; 1981-1982, \$20,000.
- National Science Foundation: "Genesis of the Phosphate Sediment Sequence on the Mid-Atlantic Continental Shelf". S. R. Riggs and A. C. Hine, Co-principal Investigators; 1981-1983, \$193,000.
- Sea Grant: "Geology of the Florida Non-Barrier Island Shoreline-Tarpon Springs to Crystal River, Florida". A. C. Hine and D. F. Belknap, Co-investigators; 1983-1984, \$70,500.
- National Science Foundation: "Genesis of the Phosphorite Sediment Sequence on the Mid-Atlantic Continental Margin". S. R. Riggs and A. C. Hine, Co-investigators; 1983-1985, \$215,000. (Total award for this project 1979-1985 was \$556,000).
- Sea Grant: "Carbonate Hardgrounds in Onslow Bay, North Carolina Continental Shelf". S. R. Riggs and A. C. Hine, Co-investigators; 1984, \$7,900.
- U.S. Geological Survey: "Seismic Profiling in Selected Canals of the Everglades". A. C. Hine, S. W. Snyder and M. W. Evans, Co-investigators; 1984, \$2,268.
- National Science Foundation: "Effects of Hurricane Diana on the North Carolina Continental Shelf". S. R. Riggs and A. C. Hine, Co-investigators: 1984, \$10,000.
- National Science Foundation: "Effects of Hurricane Diana on the North Carolina Continental Shelf". S. R. Riggs and A. C. Hine, Co-investigators: 1984, \$10,000.
- National Science Foundation: "Effects of Hurricane Diana on the North Carolina Continental Shelf". S. R. Riggs and A. C. Hine, Co-investigators: 1984, \$10,000.
- Sea Grant: "Effects of Hurricane Elena on the Marsh-Dominated Coast of West-Central Florida: Pasco, Hernando, and Citrus County Coastline". A. C. Hine, D. F. Belknap, Co-investigators; 1985, \$4,804.

National Science Foundation: "Proposal to Acquire High Resolution Seismic Reflection and Digital Side Scan Sonar Equipment". A. C. Hine and L. J. Doyle, Co-investigators; 1985, \$50,000.

Florida Department of Natural Resources: "Impact of West Coast Inlets on the Sand Budget of Florida". A. C. Hine and R. A. Davis, Jr., Co-investigators; 1985, \$41,184.

National Science Foundation: "Genesis of the Phosphorite Sediment Sequence on the Mid-Atlantic Continental Margin". S. R. Riggs, A. C. Hine, and S. W. Snyder, Co-investigators; 1986, \$70,000.

Florida Department of Environmental Regulation: "Depositional Processes and the Distribution of Sedimentary Facies in the Charlotte Harbor Estuarine System". A. C. Hine, Principal Investigator; \$5,144.

Southwest Florida Water Management District: "Correlation of High Resolution Seismic Stratigraphy and Subsurface Hydrogeology". A. C. Hine, Principal Investigator; 1986, \$18,157.

Southwest Florida Water Management District: "Geologic Survey of Crooked Lake, Polk County, FL". A. C. Hine, Principal Investigator; 1986, \$4,961.

National Science Foundation: "Shallow Stratigraphy, Structure, and Modern Depositional Processes Along Margins of Small, Detached Carbonate Platforms in an Active Tectonic Setting: Nicaraguan Rise". A. C. Hine, Pamela Hallock Muller, Co-principal Investigator; 1987-1989, \$249,000.

Lee County Commission: "Beach Erosion and Resulting Shoreline Stabilization Efforts Along the Lee County Coastline". A. C. Hine, Principal Investigator, \$12,500.

Volusia County Commission: "Beach Erosion and Resulting Shoreline Stabilization Efforts Along the Volusia County Coastline". A. C. Hine, Principal Investigator, \$9,800.

ANR Pipeline Company: "Reconnaissance survey of state waters adjacent to Anclote Key", 1988-1989, L. J. Doyle, N. Blake, A. C. Hine, Co-principal Investigators, \$190,000.

National Science Foundation: "Shallow marine stratigraphy, structure, and setting of carbonate platforms on the Nicaraguan Rise: A.C. Hine and P. Hallock Co-PI's (1987-1991), total funding \$408,000 over this time frame.

USGS: "Late Quaternary history of the Florida Keys"; A.C. Hine. PI, 1989-1992, total funding \$85,488.

USGS: "Geologic history and physical sedimentary processes of an open marine marsh coastline; NW Florida"; A.C. Hine, G. Gust, and R. Weisberg, Co-PI's, (FY 1990-1995) total funding \$1,095,000 over this time frame.

National Underwater Research Center: "Sea-level effects and geostrophic current interaction along a reef-dominated carbonate bank margin and upper slope, southern Florida Keys"; A.C. Hine, S.D. Locker, E.A. Shinn, Co-PI's, (1991-1993) total funding (scientific and operating funds) \$165,000.

National Science Foundation: "Northern Nicaraguan Rise: case for Neogene Segmentation of a carbonate megaplatform by strike-slip and related extension tectonics and paleogateway for the Neogene initiation and strengthening of the Caribbean Current"; Andre' Droxler (Rice University), A.C. Hine, and P. Hallock (USF) Co-PI's. Total award \$323,000 (direct award to USF of \$133,095).

National Underwater Research Center (NOAA-NURP; UNCW and CMRC); "Quaternary development of the Florida Keys carbonate platform--relative influence of sea-level fluctuations and geostrophic current along a windward margin"; A.C. Hine and M. Toscano co-PI's; FY 1994, total direct science and operations award \$90,000.

Office of Naval Research (ONR): "Seafloor Sediment Characteristics of Selected Coastal Environments"; A.C. Hine and D. Naar co-PI's; FY 1995, Total award for one yr. \$331,000.

ONR: "Coupled Acoustic/AUV Systems; a Geological Use of an Autonomous Vehicle; A.C. Hine, PI; FY 1995; Total award for one yr. \$118,000.

ONR: Seafloor acoustic properties, test bed definition, geologic mapping and sedimentary processes using AUV technology; A.C. Hine and D.F. Naar Co-PI's, Jan 1, 1996-Dec 31 1998; \$1,198,000.

USGS: "West-central Florida coastal studies project: Seismic reflection and side-scan sonar data; collection, interpretation, and integration"; A.C. Hine and S.D. Locker co-PI's, FY 1993-1997, total award for these five years, \$627,000.

Southwest Florida Water Management District: "Project Tampa Bay; A Program Involving Minority Children to Learn About Water Related Issues", A.C. Hine, PI, \$5,300.

Department of Education (Pinellas County Schools: "Project Tampa Bay" part of the John Hopkins Middle School 21<sup>st</sup> Century Community Learning Center; Pinellas County Schools, A.C. Hine, PI, \$32,000/yr for three years, total \$96,000.

ONR: "A Multi-disciplinary Investigation of the Nature and Predictability of Sediment Resuspension in Shallow Water: Its Effect on Water Column and Bottom Optical Properties: The Geologic and Sediment Process Approach"; A.C. Hine, David Naar, Peter Howd, and David Mallinson, Co-PI's, \$452,000 Aug 1998 to Dec 1999, Office of Naval Research.

NSF/ODP/TAMU: "Cenozoic Cool-Water Carbonates of the Great Australian Bight: reading the record of Southern Ocean evolution, sealevel, paleoclimate, and biogenic production"; A.C. Hine, PI (co-chief scientist on Joides Resolution); NSF/ODP, \$104,000 (1999-2001)



- NSF: “Geosciences and Society—A Multimedia Approach by Teachers and Scientists”; T. Greely, P. Betzer, R. Byrne, A. Hine, F. Muller-Karger, S. Tebbens, J. Torres, and R. Weisberg, co-PI’s, NSF, \$49,718. (July 1998-June 1999).
- South Florida Water Management District/USGS: “Seismic Reflection Data Acquisition, Processing, and Interpretation: Caloosahatchee River, FL”: South Florida Water Management District, A.C. Hine and S.D. Locker co-PI’s., 1999-2000, \$44,286.
- Private Donor: “Geophysical Study of the Big Bend/Steinhatchee Area”; S.D. Locker, and A.C. Hine, PI’s; \$32,000; 1998-1999.
- South Florida Water Management District “Project Tampa Bay; A Program Involving Minority Children to Learn About Water Related Issues”; A.C. Hine, PI, \$5,300.
- ONR: “A Multi-disciplinary Investigation of the Nature and Predictability of Sediment Resuspension in Shallow Water: Its Effect on Water Column and Bottom Optical Properties: The Geologic and Sediment Process Approach”; A.C. Hine, David Naar, Peter Howd, and David Mallinson, Co-PI’s, \$452,000 Aug 1998 to Dec 1999.
- NSF/ODP/TAMU: “Cenozoic Cool-Water Carbonates of the Great Australian Bight: reading the record of Southern Ocean evolution, sea level, paleoclimate, and biogenic production”: A.C. Hine, PI (co-chief scientist on *D/V JOIDES Resolution*); \$103,000 (1999-2001)
- NSF/ODP/TAMU: “Contrasts between early and late Quaternary cycle architecture—Great Australian Bight Upper Slope; ODP Sites 1130, 1132; ODP-JOI-USSSP, \$26,991.
- ONR: “Calibration of Optical remote sensing data in the shallow marine environment: defining the bathymetric, geologic, and suspended sediment variables”; \$366,000 Jan 2000—Dec 2000. P. Howd, D. Naar, D. Mallinson, and A.C. Hine, PI’s.
- NOAA-NURP: “Paleoclimatic and paleoceanographic implications of the Florida Middle Ground”; D.A. Mallinson, A.C. Hine, P. Hallock-Muller, and E.A Shinn PI’s.
- NOAA-NURP: “ROV Observations and Acoustic/Sedimentologic Characteristics of Outlier Reef, Slope Bedforms, and Lowstand Ridge Deposits; Southwest Florida Margin”, A.C. Hine PI, \$18,000.
- ONR: “Sediment Dynamics on the West Florida Inner Continental Shelf: P. A. Howd, A.C. Hine, D. Naar, D. Mallinson, and S.D. Locker, Co-PI’s; \$698,686 Nov 2000 to Dec 2001.
- ONR: “Calibration of Optical Remote Sensing Data in the Shallow Marine Environment: Defining the Bathymetric, Geologic, and Suspended Sediment Variables”; P.A. Howd, D. Naar, D. Mallinson, A.C. Hine, Co-PI’s, \$499,989 Oct 1999 to Dec 2000.

- NSF/ODP/TAMU: “Cenozoic Cool-Water Carbonates of the Great Australian Bight: reading the record of Southern Ocean evolution, sea level, paleoclimate, and biogenic production”: A.C. Hine, PI (co-chief scientist on *D/V JOIDES Resolution*); \$103,000, 1999-2001.
- ONR; “Sediment Dynamics on the West Florida Inner Continental Shelf” Oct 15, 2001--Dec 31, 2003, Howd, P, Naar, D.F., Hine, A.C. and Locker, S.D.; \$929,464,
- USGS; “Pulley Ridge; A Newly discovered, Deep biostromal coral reef on the Florida Platform; Hine, A.C., Jarrett, B. Locker, S.D., Naar, D.F., Donahue, B., Muller-Karger, F. Hu, C., and Palandro, D., June 1, 2001—Dec 30, 2004; \$380,000.
- USGS; “Seismic reflection Survey of Tampa Bay; Implications for Groundwater Seepage and origin of Tampa Bay; Locker, S.D., Hine, A.C., and Suthard, B., Oct 1, 2001-April30, 2007; \$170,000.
- NSF-ODP-TAMU; “Facies Architecture of Sediment Drifts, NE Australian Margin”; A.C. Hine, March 5, 2001-Jan 1, 2004; \$23,273
- NSF-ODP-TAMU; “Cruise: Leg 194—Marion Plateau”, A.C. Hine, April 9, 2002-9/30/2004; \$50,074
- Harte Institute/State of Florida; Continued Research on Pulley Ridge; John Ogden, Robert Halley, A.C. Hine, Sylvia Earle, Wes Thunell; May 2005-April 2006; \$125,000
- USGS; “Partial support of research at the USF/USGS Cooperative Research Center for Coastal and Watershed Studies; P.R. Betzer, A.C. Hine, and R.R. Jolley, Co-PI’s, May 1, 2005—April 30, 2010 (Administrative grant; ~\$1.2 million/yr)
- USGS; “Partial support of research at the USF/USGS Cooperative Research Center for Coastal and Watershed Studies; W. T. Hogarth and A.C. Hine, Co-PI’s, May 1, 2010-April 30, 2011, \$1,257,276. (Administrative grant).
- State of Florida, Florida Fish and Wildlife Conservation Commission: Key West - Hawk Channel Habitat Assessment, Locker and Hine, 2010-2013, (\$420,000 total over this time frame). Note- this is a subcontract in a larger NOAA grant awarded to FWC titled “Monitoring and mapping of threatened acroporid corals in U. S. jurisdiction: Development of a multi-state conservation program” by Wheaton and others, 2010-2013, Total: \$4,643,433.
- Hine, A.C. and Patten, J., Construction of two MSEAS Oceanographic Chemical Sensors: University of North Carolina--Chapel Hill, 2012-2013, \$67,393
- GRI funded (as of Feb 15, 2012); DEEP-C; FSU to S.D. Locker and A.C. Hine: Year 1=\$179,239; Year 2=\$191,302; Year 3 = \$187,710 for Locker/Hine.

***Presentation of Papers***

- Hayes, M. O., Boothroyd, J. C, and Hine, A. C., 1969, Diagnostic primary structures of estuarine sand bodies, *in* Hayes, Mo. O., ed., Coastal Environments: N. E. Massachusetts and New Hampshire, Contribution No.1-Coastal Research Group, University of Massachusetts, Department of Geology, 415 p.
- Hine, A. C., Boothroyd, J. C, and Ward, L. G., Hayes, M. O., and Hubbard, D. K., 1974, Morphology, processes, and recent sedimentary history of a sandur coast, southern Iceland: American Association of Petroleum Geologists Annual Meeting; San Antonio, Texas, April 1-3, 1974.
- Neumann, A. C., and Hine, A. C., 1974, Shallow and deep bank margin structure and sedimentation: Little Bahama Bank: Geological Society of America Abstracts with Programs Annual Meeting, v. 6, p. 888.
- Hine, A. C., 1976, Response of an active oolite sand shoal to its physical environment and to the Holocene sea level rise: American Association of Petroleum Geologists Annual Meeting, New Orleans, Louisiana, May 23-26, 1976.
- Mullins, H. T., Neumann, A. C., and Hine, A. C., 1977, Deep carbonate bank margin types in the northern Bahamas: Geological Society of America Abstracts with Programs Annual Meeting, Seattle, Washington.
- Hine, A. C., Wilber, R. J., and Neumann, A. C., 1978, Sedimentation and structure of shallow carbonate bank margins along open seaways: Bahamas: Geological Society of America Abstracts with Programs Annual Meeting, Toronto, Canada.
- Garrett, P. and Hine, A. C., 1979, Probing Bermuda's lagoons and reefs; American Association of Petroleum Geologists Annual Meeting, Houston, Texas.
- Mullins, H. T., Hine, A. C., Neumann, A. C., and Wilber, R. J., 1979, Bahamian carbonate platform margin structure and sedimentation: Geological Society of America Abstracts with Programs SE section meeting, Blacksburg, Virginia.
- Mullins, H. T., Hine, A. C., Neumann, A. C., and Wilber, R. J., and Chinburg, S., 1979, Post-middle Miocene sediment drifts formed by geostrophic bottom currents in the northern Straits of Florida: Geological Society of America Abstracts with Programs Annual Meeting, San Diego, California, p. 484-485.
- Hine, A. C., Wilber, R. J., Bane, J., Lorenson, K., and Neumann, A. C., 1980, Offbank transport of carbonate sands along open, leeward bank margins: Northern Bahamas: 20th International Geological Congress - Abstracts, p. 484, Paris, France.
- Hine, A. C., Snyder, S. W., and Riggs, S. R., 1980, Buried channels within the inner continental shelf: Origin, geometry, and seismic facies: Geological Society of America with Programs Annual Meeting, Atlanta, Georgia.

- Snyder, S. W., Hine, A. C., Riggs, S. R., and Lewis, D. W., 1980, High resolution seismic stratigraphy and global eustatic sea level fluctuations: Cape Lookout, North Carolina: Geological Society of America Abstracts with Programs Annual Meeting, Atlanta, Georgia.
- Snyder, S. W., Hine, A. C., and Riggs, S. R., 1980, Miocene seismic stratigraphy, structural framework and global sea level cyclicity: North Carolina continental shelf: Symposium Miocene of the Southeast U. S., Florida Geological Survey, Tallahassee, Florida.
- Steele, G. A., Heron, S. A., and Hine, A. C., 1980, Holocene transgressive-regressive sedimentation in a Cape Lookout cusped foreland barrier island: Geological Society of America Abstracts with Programs Annual Meeting, Atlanta, Georgia, v. 7, p. 528-529
- Lewis, D. W., Riggs, S. R., Snyder, S. W., Waters, V. J., Snyder, S. W. P., and Hine, A. C., 1980, Preliminary report on the Pungo River Formation in Onslow Bay, Continental Shelf, North Carolina: Miocene Symposium of the Southeastern United States, Florida Geology Survey, Tallahassee, Florida.
- Berelson, W., Heron, S. A., and Hine, A. C., 1980, Barrier island - lagoonal Holocene facies relationships: Stratigraphic sequences in migrating inlets and flood-tidal delta deposits: Geological Society of America Abstracts with Programs Annual Meeting, Atlanta, Georgia, v. 7, p. 385-386.
- Riggs, S. R., Lewis, D. W., Hine, A. C., and Snyder, S. W. P., 1981, Miocene phosphate sedimentation on the Atlantic Continental Shelf, Onslow Bay, North Carolina: American Association of Petroleum Geologists Annual Meeting, San Francisco, California.
- Hine, A. C., and Mullins, H. T., 1981, Modern carbonate shelf-slope boundaries: American Association of Petroleum Geologists Annual Meeting, San Francisco, California.
- Hine, A. C., 1981, Shallow carbonate bank margins: Penrose Conference on Evolution of Carbonate Platforms, Capri, Italy.
- Riggs, S. R., Hine, A. C., and Snyder, S. W., 1981, Continental shelf hardgrounds, Onslow Bay, North Carolina: Bureau of Land Management Workshop on Hardgrounds, U.S. SE Continental Shelf, Beaufort, North Carolina.
- Riggs, S. R., Lewis, D. W., Hine, A. C., Snyder, S. W., and Waters, V. J., 1981, Depositional patterns of the Neogene sediments around the Carolina Platform on the Mid-Atlantic Continental Shelf *in* Program with Abstracts, Atlantic Margin Energy Conference, Atlantic City, New Jersey.
- Evans, M. W., Davis, R. A., Hine, A. C., and Belknap, D. F., 1982, Barrier island development from lagoonal stratigraphy and sedimentation: Pinellas County, Florida: Geological Society of America Abstracts with Programs, v. 14, p. 16-17.

- Riggs, S. R., Hine, A. C., Snyder, S. W., Lewis, D. W., Ellington, M. D., and Stewart, T. L., 1982, Phosphate exploration and resource potential on the North Carolina continental shelf: Offshore Technology Conference Proceedings, OTC4295, Houston, Texas, p. 737-798.
- Snyder, S. W., Hine, A. C., and Riggs, S. R., 1982, Tertiary structural framework and resulting depositional patterns of the southeastern North Carolina continental margin: Geological Society of America Abstracts with Programs, v. 14, no. 142, p. 84.
- Snyder, S. W., Belknap, D. F., Hine, A. C., and Steele, A. G., 1982, Seismic stratigraphy, lithostratigraphy, and amino acid racemization of the Diamond City FM: Reinterpretation of a reported "mid-Wisconsin high sea-level indicator from the North Carolina Coastal Plain: Geological Society of America Abstracts with Programs, v. 14, no. 142, p. 84.1977.
- Hine, A. C., and Steinmetz, J. C., 1983, Cay Sal Bank, Bahamas - a partially drowned carbonate platform: American Association of Petroleum Geologists Bulletin., v. 67, p. 484.
- Snyder, S. W., Hine, A. C., and Riggs, S. R., 1983, 3-D stratigraphic modeling from high resolution seismic reflection data: An example from the North Carolina continental shelf: American Association of Petroleum Geologists Bulletin, v. 67, p. 549-550.
- Hine, A. C., Belknap, D. F., Osking, E. B., Hutton, J. G., and Evans, M. W., 1984, Sedimentation controls along an open-marine marsh-dominated coastline: NW Florida Gulf Coast: Society of Economic Paleontologists and Mineralogists Annual Mid-Year Meeting, Abstracts, San Jose, California, p. 38.
- Snyder, S. W., Hine, A. C., and Belknap, D. F., 1984, Stratigraphic consequences of an erosional transgression: A Holocene model applied to the Quaternary record: Society of Economic Paleontologists and Mineralogists Annual Mid-Year Meeting, Abstracts, San Jose, California, p. 76.
- Snyder, S. W., Hine, A. C., and Riggs, S. R., 1984, Cyclic Miocene phosphogenic episodes within the North Carolina Continental Margin: A paleoceanographic Model: Society of Economic Paleontologists and Mineralogists Annual Mid-Year Meeting, Abstracts, San Jose, California, p. 76.
- Snyder, Stephen W., Riggs, S. R., Hine, A. C., and Snyder, Scott W., 1984, Lithostratigraphic response to glacioeustatic sea-level cyclicity and concomitant Gulf Stream flow dynamics: Miocene stratigraphy, North Carolina Continental Shelf: Society of Economic Paleontologists and Mineralogists Annual Mid-Year Meeting, Abstracts, San Jose, California, p. 77.
- Hutton, J. G., Hine, A. C., Evans, M. W., Osking, E. B., and Belknap, D. F., 1984, Influence of a karstified limestone surface of an open-marine marsh-dominated coastline: West-central Florida; First Multidisciplinary Conference on Sinkholes, Orlando, Florida.

- Hine, A. C., 1985, Relationship of Neogene depositional patterns to the structural framework of the SE Continental Margin. International Geological Correlation Project #156 Phosphorites Seminar, East Carolina University
- Hine, A. C., 1985, Basics of high resolution seismic profiling: International Geological Correlation Project #156, Phosphorites Seminar, East Carolina University.
- Snyder, S. W., and Hine, A. C., 1985, Depositional cyclic patterns of Neogene continental margin sedimentation: International Geological Correlation Project #156, Phosphorites Symposium, Florida State University.
- Matteucci, T. D., Hine, A. C., Snyder, S. W. P., and Riggs, S. R., 1985, High resolution seismic stratigraphy of North Carolina Continental Margin, Cape Fear Terrace: Sea-level cyclicity, paleobathymetry, and Gulf Stream dynamics: America Association of Petroleum Geologists Bulletin., v. 69, p. 284.
- Hine, A. C., Belknap, D. F., Osking, E. B., Hutton, J. G., and Evans, M. R., 1985, Bedrock controls of sedimentation along a marsh-dominated, open-marine, low energy coastline: West-central Florida: Geological Society of America Abstracts with Programs, v. 17, p. 610-611.
- Snyder, S. W. P., Snyder, S. W., Waters, V. J., Steinmetz, J. C., Hine, A. C., and Riggs, S. R., 1985, More evidence for a glacial world prior to the middle Miocene oxygen-isotope enrichment event: Resolution of early Miocene glacioeustatic sea-level cyclicity from North Carolina: Geological Society of America Abstracts with Programs, v. 17, p. 721.
- Evans, M. R., Hine, A. C., Davis, R. A., Jr., and Belknap, D. F., 1985, Depositional response to seagrass mortality along a low-energy, barrier island coast: West-central Florida: Geological Society of America Abstracts with Programs, v. 17, p. 671.
- Mullins, H. T., Hine, A. C., and Gardulski, A., 1985, Collapse of modern carbonate platform margins: Geological Society of America Abstracts with Programs, v. 17, p. 671.
- Dominguez, L. L., Mullins, H. T., Hine, A. C., 1986, Cat Island shelf: An incipiently drowned carbonate platform: Society of Economic Paleontologists and Mineralogists Annual Mid-Year Meeting Abstract, v. 111, p. 29.
- Evans, M. W., and Hine, A. C., 1986, Quaternary infilling of the Charlotte Harbor estuarine/lagoonal system, southwest Florida: Implications of structural control: Society of Economic Paleontologists and Mineralogists Annual Mid-Year Meeting Abstract, v. 111, p. 34.
- Mearns, D. L., Hine, A. C., and Riggs, S. R., 1986, A direct comparison of sonograph images of Onslow Bay prior to and following Hurricane Diana, Sept. 11-13, 1984: Profile of a high energy, storm resistant shelf: Society of Economic Paleontologists and Mineralogists Annual Mid-Year Meeting Abstract, v. 111, p. 76.

- Mearns, D. L., Hine, A. C., and Riggs, S. R., 1986, Hardbottom distribution and geomorphology as seen in side-scan sonographs of Onslow Bay, North Carolina continental shelf: Society of Economic Paleontologists and Mineralogists Annual Mid-Year Meeting Abstract, v. 111, p. 76.
- Osking, E. B., Hine, A. C., and Belknap, D. F., 1986, Nearshore sedimentation of microtidal, low-energy, freshwater influenced shelf embayments; West-central Florida: Society of Economic Paleontologists and Mineralogists Annual Mid-Year Meeting Abstract v. 11, p. 86.
- Snyder, S. W., Hine, A. C., and Belknap, D. F., 1986, Paleofluvial channel-fill sequences: Keys to resolving Quaternary glacioeustatic sea-level events: Society of Economic Paleontologists and Mineralogists Annual Mid-Year Meeting Abstract v. 11, p. 104.
- Snyder, S. W. P., Hine, A. C., Riggs, S. R., and Snyder, S. W., 1986, Miocene unconformities, chronostratigraphy, and sea-level cyclicity: Fine-tuning early Neogene relative coastal onlap curve for the North Carolina Continental Margin: American Association of Petroleum Geologists Bull., v. 70, p. 651.
- Snyder, S. W. P., Hine, A. C., and Riggs, S. R., 1986, Shifting sites of Miocene phosphorite deposition: The critical depth hypothesis: Society of Economic Paleontologists and Mineralogists Annual Mid-year Meeting Abstract, v. 111, p. 105.
- Hinchey, E., Mullins, H. T., and Hine, A. C., 1986, Seismic reflection profiles from New York's Finger Lakes: Initial results on depth to bedrock and longitudinal facies relationships: Geological Society of America Abstracts with Program, 1986, NE Section Meeting.
- Hine, A. C., And Hallock, P., 1987, Carbonate platforms of the Nicaraguan Rise: Overview: Geological Society of America Abstracts with Programs, 1987 Annual Meeting, Phoenix, AZ, p. 703.
- Hallock, P., Vargo, G. A., Hine, A. C., Triffleman, N. J., Boomer, K. J., Jaap, W. C., and Belknap, D. F., 1987, Platforms of the Nicaraguan Rise: Example of suppression of carbonate accumulation by excess nutrients: Geological Society of America Abstracts with Programs, 1987 Annual Meeting, Phoenix, AZ, p. 691.
- Triffleman, N. J., Hallock, P., and Hine, A. C., 1987, Morphology, sediments and depositional environments of a partially drowned carbonate platform: Serranilla Bank-southwest Caribbean Sea: Geological Society of America Abstracts with Programs, 1987 Annual Meeting, Phoenix, AZ, p. 871.
- Wilber, R. J., Neumann, A. C., and Hine, A. C., 1987, Leeward bank margins, sea level, and the Gulf Stream: The Late Quaternary development of the western Bahamas: Society of Economic Paleontologists and Mineralogists Annual Mid-Year Meeting Abstracts.

- Hine, A. C., Hallock, P., Mullins, H. T., Jaap, W. C., Harris, M. W., and Belknap, D. F., 1988, Geologic setting of large *Halimeda* bioherms in the Caribbean Sea: Reefs'88, 6th Int. Coral Reef Symposium Abstracts, Townsville, Australia, p. 44.
- Hine, A. C., Harris, M. W., Hallock, P., Mullins, H. T., Belknap, D. F., and Neumann, A. C., 1988, Structure, stratigraphy and sedimentation of a current-dominated open seaway within a carbonate platform complex: Miskito Channel, Nicaraguan Rise; SW Caribbean Sea: Geological Society of America Abstracts with Programs, 1988 Centennial Celebration, Denver, CO, p. A70.
- Triffleman, N. J., Hallock, P., Hine, A. C., Vargo, G. A., and Garrett, J., 1988, Serranilla Bank (SW Caribbean): An enigma of chloralgal sedimentation in an oceanic setting: Geological Society of America Abstracts with Programs, 1988 Centennial Celebration, Denver, CO, p. A209.
- Hallock, P., Hine, A. C., and Gonzales, L. L., 1988, Porifera: A substratum for the development of rhodoliths: Geological Society of America Abstracts with Programs, 1988, Centennial Celebration, Denver, CO, p. A339.
- Evans, M. W., and Hine, A. C., 1988, Late Miocene seismic and lithologic sequence stratigraphy of SW Florida: Society of Economic Paleontologists and Mineralogists Mid-Year Meeting, Abstracts, Columbus, OH.
- Evans, M. W., Hine, A. C., and Snyder, S. W., 1988, Karstification of the Florida carbonate platform: An assessment of structural and depositional controls: Society of Economic Paleontologists and Mineralogists Mid-Year Meeting, Abstracts, Columbus, OH.
- Snyder, S. W., Hine, A. C., Snyder, W., and Riggs, S. R., 1989, Mid-Cenozoic glacioeustasy: Detailed record of high-frequency sea-level changes from the North Carolina continental margin: Abstracts, 28th Geological Congress, Washington, D. C., p. 3-144.
- Peebles, M. W., Hallock, P., and Hine, A. C., 1989, Sedimentology and taphonomy of Thunder and Lightning Knolls, two small carbonate platforms, Nicaraguan Rise, SW Caribbean Sea: Geological Society of America Abstracts with Programs, p. 293.
- Harris, M. W., Hine, A. C., Mullins, H. T., and Hallock, P., 1989, Echo character (3.5kHz) along a current-dominated open seaway, Miskito Channel, Nicaraguan Rise, Caribbean Sea: Geological Society of America Abstracts with Programs, p. 329.1977.
- Evans, M. W., Snyder, S. W., and Hine, A. C., 1989, High Resolution seismic expression of subsurface karst and subsequent depositional sequences: Crooked Lake, Polk county, FL: Geological Society of America Abstracts with Programs, p. 323.
- Harris, M. W., Hine, A. C., Hallock, P., and Mullins, H. T., 1990, Sediment transport pathways within a current dominated open seaway, Nicaraguan Rise, Caribbean Sea: Geological Society of America Abstracts with Programs, p. A67.



- Hine, A. C., Locker, S. D., Mullins, H. T., Tedesco, L., and Hallock, P., 1990, Multiple megabreccia shedding from low-relief carbonate platforms in an active tectonic setting: Nicaraguan Rise, southwest Caribbean Sea: American Association of Petroleum Geologists Annual Meeting, San Francisco, CA, Abstract vol. p. 102.
- Locker, S. D., Doyle, L. J., Hine, A. C., and Blake, N. J., 1990, Complex carbonate and clastic stratigraphy of the inner shelf off west-central Florida: American Association of Petroleum Geologist Annual Meeting, San Francisco, CA, Abstracts Vol. p. 127.
- Peebles, M. W., Hallock, P., and Hine, A. C., 1990, Rhodolite and encrusted grain sedimentation, Thunder and Lightning Knolls, southwest Caribbean Sea: American Association of Petroleum Geologists Annual Meeting, San Francisco, CA, Abstract vol. p. 150.
- Shinn, E. A., Lidz, B. H., Hine, A. C., and Kindinger, J. L., 1990, Carbonate slope and platform accumulations: Lower Florida keys: American Association of Petroleum Geologists Annual Meeting, San Francisco, CA, Abstract volume, p. 170.
- Hallock, P., Hine, A. C., 1990 Sponge-algal bioherms on the western platforms of the Nicaraguan Rise, southwest Caribbean Sea: American Association of Petroleum Geologists Annual Meeting, San Francisco, CA, Abstract volume, p. 97.
- Hallock, P., Hine, A. C., Harris, M. W., Triffleman, N. J., and Peebles, M. W., 1990, Bimodality in coral and algal carbonate production: An example from the Nicaraguan Rise, western Caribbean: Geological Society of America Abstracts with Programs, p. A130.
- Riggs, S. R., Snyder, S. W., Hine, A. C., 1991, Late Quaternary glacioeustatic sea-level fluctuations: What are the sedimentologic processes and stratigraphic responses on continental margins: NE/SE Geological Society of America Meeting, Baltimore.
- Hine, A. C., Locker, S. D., Hallock, P., and Mullins, H. T., 1991, Strongly contrasting modes of slope failure and erosion along the carbonate margins of three open seaways; northwest Nicaraguan Rise: American Association of Petroleum Geologists Annual Meeting, Dallas, TX, Official Program, p. 131.
- Lidz, B. H., Hine, A. C., and Shinn, E. A., 1991, Multiple outlier-reef tracts off a carbonate platform: A new type of windward margin (south Florida): American Association of Petroleum Geologists Annual Meeting, Dallas, TX, Official Program, p. 156.
- Hallock, P., Hine, A. C., 1991, Coral reef turn on/turn off on the Nicaraguan Rise: Society of Economic Paleontologists and Mineralogists First Annual Theme Meeting, Portland OR, August 1991
- Snyder, S. W., Hine, A. C., Riggs, S. R., and Belknap, D. F., 1991, Quaternary Shelf Sequences: What gets preserved?: Society of Economic Paleontologists and Mineralogists/International Geologic Correlation Program #274 Research Conference on Quaternary Coastal Evolution, Wakulla Springs, Florida.

- Hine, A.C., Locker, S.D., Hallock, P., and Mullins, H.T., 1991, Strongly contrasting modes of slope failure and erosion along carbonate margins of three open seaways; northwest Nicaraguan Rise: American Association of Petroleum Geologists Annual Convention/Official Program, p. 131.
- Locker, S.D., Hine, A.C., and Shinn, E.A., 1991, Sea level and geostrophic current control on carbonate shelf-slope depositional sequences and erosional patterns, south Florida platform margin: American Association of Petroleum Geologists Annual Convention/Official Program, p. 158.
- Lidz, B.H., Hine, A.C., and Shinn, E.A., 1991, Multiple outlier-reef tracts off a carbonate platform: a new type of windward margin (south Florida): American Association of Petroleum Geologists Annual Convention/Official Program, p. 156.
- Peebles, M.W., Hallock, P., and Hine, A.C., 1991, Taphonomy of foraminifera from deep (30-60m), tropical carbonate platforms, Nicaraguan Rise, Caribbean Sea: Geological Society of America Abstracts with Programs, p. A36.
- Hine, A.C., and Doyle, L.J., 1991, Quaternary geologic history of the west Florida continental shelf: Gulf Coast Society of Economic Paleontologists Gulf Coast Section Meeting in Houston.
- Tedesco, L.P., Hine, A.C., Neumann, A.C., and Hallock, P., 1992, Petrology of platform and slope limestones: Bawihka Platform and Channel, Nicaraguan Rise, western Caribbean Sea: American Association of Petroleum Geologists Annual Convention.
- Droxler, A.W., Cunningham, A.D., Hine, A.C., Hallock, P., Duncan, D., Rosencrantz, E., Buffler, R., and Robinson, E., 1992, Late middle Miocene segmentation of an Eocene-early Miocene carbonate megabank on the northern Nicaraguan Rise; response to tectonic activity along the North American/Caribbean Plate Boundary Zone: AGU Fall Meeting, p. 299.
- Toscano, M., and Hine, A.C., 1992, Quaternary sea-level lowstand features on the southern Florida Keys upper continental slope: seismic, submersible, and outcrop data: Geological Society of America Annual Meeting Abstracts with Programs, p. A173.
- Locker, S.D., Hine, A.C., and Shinn, E.A., 1992, High-resolution sequence stratigraphic framework of carbonate deposition controlled by sea level and geostrophic bottom currents, south Florida platform margin: Geological Society of America Annual Meeting Abstracts with Programs, p. A83.
- Snyder, S.W., Hine, A.C., Snyder, S.W., and Riggs, S.R., 1992, Miocene glacioeustasy below the resolution of multiple, planktic, biostratigraphic correlation schemes: American Association of Petroleum Geologists Annual Convention.

- Snyder, S.W., and Hine, A.C., 1992, Seismic facies, lithofacies, and preservation potential of incised valley-fill lithosomes: Quaternary models from the North Carolina continental margin: American Association of Petroleum Geologists Annual Convention.
- Wanless, H.R., Tedesco, L.P., Hine, A.C., and Dravis, J.J., 1992, Facies geometries of shallowing-upwards sequences associated with leeward-margin sediment wedges, Caicos Platform, British West Indies: American Association of Petroleum Geologists Annual Convention.
- Goodbred, S.L., Hine, A.C., and Stumpf, R.P., 1993, Sediment distribution patterns and the development of the marsh system rimming a shallow-water shelf embayment: Waccassa Bay, Levy Co., Florida: Southeastern Section of the Geological Society of America Meeting; Abstracts with Programs, Tallahassee, FL.
- Leonard, L.A., Hine, A.C., Luther, M.E., and Stumpf, R.P., 1993, Sediment transport processes in a west-central Florida open marine marsh tidal creek: Southeastern Section of the Geological Society of America Meeting; Abstract with Programs, Tallahassee, FL.
- Wright, E.E., Hine, A.C., Locker, S.D., and Stumpf, R.A., 1993, Influence of the Suwannee River on sediment patterns along the marsh coast, northeast Gulf of Mexico: Southeastern Section of the Geological Society of America Meeting; Abstracts with Programs, Tallahassee, FL.
- Wright, E.E., Hine, A.C., and Stumpf, R., 1993, Development of the Suwannee River marsh system, west-central Florida: ASLO/SWS '93 Abstracts with Programs, Edmonton, Canada.
- Leonard, L.A., Hine, A.C., and Luther, M.E., 1993, Suspended sediment transport and deposition in a *Juncus roemerianus* marsh, west-central Florida: Proceedings of the IGU-CCE Conference on Sediment Dynamics, Deposition and Erosion in Temperate Salt Marshes, Cocodrie, LA.
- Stumpf, R.P., Hine, A.C., Leonard, L.A., Wright, E.E., Hoenstine, R., and Garrett, C., 1993, Geomorphic characteristics of salt marshes of the Florida Big Bend region: Proceedings of the IGU-CCE Conference on Sediment Dynamics, Deposition and Erosion in Temperate Salt Marshes, Cocodrie, LA.
- Leonard, L.A., Luther, M.E., Hine, A.C., and Reed, D. J., 1993, Free surface flow in marsh canopies: ASLO/SWS '93 Abstracts with Programs, Edmonton, Canada.
- Goodbred, S.L., Hine, A.C., Quigley, W.C., and Stumpf, R., 1993, "Storm of the century" makes contribution to sediment-starved coastal marshes: Geological Society of America Annual Meeting; Abstracts with Programs, p. A-196.
- Leonard, L.A., Wright, E.E., Quigley, W.C., and Hine, A.C., 1993, Sediment transport and deposition in microtidal marsh systems: Geological Society of America Annual Meeting; Abstracts with Programs, p. A-196.

- Shinn, E.A., Lidz, B.H., Halley, R.B., and Hine, A.C., 1993, Geology, tidal pumping, and nutrients in the Florida Keys: Geological Society of America Annual Meeting; Abstracts with Programs, p. A-289.
- Duncan, D.S., Hine, A.C., Hallock, P., Droxler, A.W., and Rosencrantz, E., 1993, Neogene/Quaternary structural development and sedimentary infilling history of the Serranilla Basin: western component of the foundered Nicaraguan Rise megabank: Geological Society of America Annual Meeting; Abstracts with Programs, p. A-379.
- Locker, S.D., Hine, A.C., Toscano, M.A., and Shinn, E.A., 1993, Holocene sequence stratigraphy and sea-level rise, south Florida margin: Geological Society of America Annual Meeting; Abstracts with Programs, p. A-406.
- Goodbred, S.L., Hine, A.C., and Stumpf, R.P., 1993, Bedrock control on the development of a thin, sediment-starved coastal marsh system: Waccassasa Bay, Florida: Proceedings of the Biennial Estuarine Research Federation International Meeting, Hilton Head, SC.
- Hine, A.C., Leonard, L.A., Wright, E.E., Goodbred, S.L., Quigley, W.C., and Stumpf, R.P., 1993, Regional factors controlling the evolution of an open-marine marsh fronting an incipient epicontinental sea--NW Gulf coast: Proceedings of the Biennial Estuarine Research Federation International Meeting, Hilton Head, SC.
- Leonard, L.A., Luther, M.E., Hine, A.C., Reed, D.J., and Stumpf, R.P., 1993, Processes controlling sediment deposition in two Gulf of Mexico marsh systems; west-central Florida and south-east Louisiana: Proceedings of the Biennial Estuarine Research Federation International Meeting, Hilton Head, SC.
- Wright, E.E., Hine, A.C., and Stumpf, R.P., 1993, Analysis of shoreline stability of the Suwannee River marsh system, west-central Florida: Proceedings of the Biennial Estuarine Research Federation International Meeting, Hilton Head, SC.
- Locker, S.D., and Hine, A.C., 1994, Late Quaternary erosion and sedimentation controlled by sea-level change and bottom currents, south Florida margin: 1994 spring meeting AGU, p. 351.
- Droxler, A.W., Haddad, G.A., Hine, A.C., Hallock, P., Rosencrantz, E., Buffler, R., and Robinson, E., 1994, Proposed ODP drilling on the northern Nicaraguan Rise: a follow up of cruise LOCO 6301 (Dec 63) with D/V Submarex in Walton Basin, more than 30 years after! 1994 spring meeting AGU, p. 57.
- Toscano, M.A., Lundberg, J., Hine, A.C., and Shinn, E.A., 1994, Late oxygen stage 5 reef system, Florida Keys shelf edge: evidence for latest interglacial sea-level fluctuations and paleoclimate: Geological Society of America Annual Meeting, Seattle, WA, Abstracts with Programs, p. A515.

- Toscano, M.A., and Hine, A.C., 1994, Quaternary sea levels, paleoclimates, and geostrophic current action influencing stratigraphy and development of the southeast Florida windward carbonate margin: Abstracts with Program, 7th Symposium on the Geology of the Bahamas, Bahamas Field station, San Salvador, Bahamas, June 16-20, 1994, p. 19.
- Wright, E.E., Hine, A.C., Leonard, L.A., and Goodbred, S.L., 1994, Holocene stratigraphic evolution of a riverine siliciclastic coastline overlaying and Eocene karst limestone platform: Suwannee River marsh system, west-central Florida: Geological society of America Annual Meeting, Seattle, WA, Abstracts with Programs, p. A305.
- Quigley, W.C., Hine, A.C., Leonard, L.A., Wright, E.E., and Goodbred, S.L., 1994, Variations in sedimentation rates of an open-marine, marsh-dominated coastline: Geological Society of America Annual Meeting, Seattle, WA, Abstracts with Programs, p. A305.
- Goodbred, S.L., Wright, E.E., and Hine, A.C., 1994, Holocene evolution of an estuarine coastal system perched on a shallow bedrock plane: west-central Florida: Geological Society of America Annual Meeting, Seattle, WA, Abstracts with Programs, p. A179.
- Snyder, Stephen, W., Hine, A.C., Riggs, S.R., and Snyder, Scott, W., 1994, Neogene/Quaternary high resolution sequence stratigraphy of a boundary current dominated continental margin off North Carolina, UAS--a summary presentation: Abstracts, Sequence Analysis in the Marine Plio-Pleistocene Workshop; James Cook University, Seagulls Resort, Townsville, Australia, p. 53
- Locker, S.D., and Hine, A.C., 1994, Late Quaternary sequence stratigraphy, south Florida margin: Abstracts, Sequence Analysis in the Marine Plio-Pleistocene Workshop; James Cook University, Seagulls Resort, Townsville, Australia, p. 40.
- Duncan, D.S., Hine, A.C., and Droxler, A.W., 1995, Controls on basin deposition within an active plate tectonic margin: sedimentary evolution of the Serranilla Basin: Caribbean Sea: The 1st SEPM Congress on Sedimentary Geology, St. Pete Beach, FL, Congress Program and Abstracts, v. 1, p. 49-50.
- Harrison, S.E., Locker, S.D., and Hine, A.C., 1995, Morphology and evolution of a siliciclastic sand ridge field over a carbonate bedrock substrate, Indian Rocks Beach, Florida: The 1st SEPM Congress on Sedimentary Geology, St. Pete Beach, FL, Congress Program and Abstracts, v. 1, p. 66.
- Locker, S.D., and Hine, A.C., 1995, West-central Florida coastal studies project--initial results from geophysical reconnaissance surveys: The 1st SEPM Congress on Sedimentary Geology, St. Pete Beach, FL, Congress Program and Abstracts, v. 1, p. 85.
- Locker, S.D., Hine, A.C., and Shinn, E.A., 1995, Stratigraphic response to high-frequency sea-level fluctuations, south Florida margin: The 1st SEPM Congress on Sedimentary Geology, St. Pete Beach, FL, Congress Program and Abstracts, v. 1, p. 85.

- Mallinson, D., Hafen, M., Rappaport, Y., Naar, D., and Hine, A.C., 1995, Preliminary results from a high resolution geophysical investigation of a mixed carbonate-siliciclastic nearshore environment off Boca Raton, Florida: The 1st SEPM Congress on Sedimentary Geology, St. Pete Beach, FL, Congress Program and Abstracts, v. 1, p. 87.
- Quigley, W.C., Hine, A.C., Leonard, L.A., and Wright, E.E., 1995, Sedimentation rates determined on variable temporal and spatial scales in an open-marine, marsh-dominated, microtidal coastline: The 1st SEPM Congress on Sedimentary Geology, St. Pete Beach, FL, Congress Program and Abstracts, v. 1, p. 102.
- Tedesco, L.P. Locker, S.D., and Hine, A.C., 1995, Multiple submerged eolian strandplains along the southern Florida continental margin: The 1st SEPM Congress on Sedimentary Geology, St. Pete Beach, FL, Congress Program and Abstracts, v. 1, p. 121.
- Tihansky, A.B., Locker, S.D., and Hine, A.C., 1995, Possible origins and infilling history of the Tampa Bay basin from high-resolution seismic reflection records and core boring data: The 1st SEPM Congress on Sedimentary Geology, St. Pete Beach, FL, Congress Program and Abstracts, v. 1, p. 121-122.
- Toscano, M.A., Lundberg, J., and Hine, A.C., 1995, Paleoclimate and sea level during oxygen isotope substage 5a, southeast Florida shelf edge: The 1st SEPM Congress on Sedimentary Geology, St. Pete Beach, FL, Congress Program and Abstracts, v. 1, p. 122.
- Wood, N., Hine, A.C., Leonard, L., 1995, Sediment linkage from coastal embayment transport to marsh surface sedimentation: Waccasassa Bay, Florida: The 1st SEPM Congress on Sedimentary Geology, St. Pete Beach, FL, Congress Program and Abstracts, v. 1, p. 129.
- Wright, E.E., and Hine, A.C., 1995, Development of a stable, open-marine marsh system overlying and Eocene carbonate platform: The 1st SEPM Congress on Sedimentary Geology, St. Pete Beach, FL, Congress Program and Abstracts, v. 1, p. 130.
- Toscano, M.A., Lundberg, J., and Hine, A.C., 1995, Age and paleoclimate of submerged late Pleistocene reef system, southeast Florida shelf: implications for substage 5a sea level: Geological Society of America Annual Meeting, New Orleans, Abstracts with Programs, p. A-448.
- Hafen, M., Mallinson, D., Rappaport, Y., Naar, D., and Hine, A., 1995, Preliminary analysis of sediment properties in relation to high resolution sonar data from the coastal shelf environments near Boca Raton, The Dry Tortugas, and Marquesas, Florida: Geological Society of America Annual Meeting, New Orleans, Abstracts with Programs, p. A-201.
- Hine, A.C., Locker, S. D., Harrison, S.E., Brooks, G., Twichell, D.C., and Davis, R.A., Jr., 1996, West Florida inner-shelf provinces--links to present coastal system and to the geologic past: Geological Society of America Annual Meeting Abstracts with Programs, Denver, CO, p. A-43.

- Harrison, S.E., Locker, S.D., Hine, A.C., Naar, D.F., and Twichell, D.C., 1996, Morphology and evolution of a Holocene carbonate/siliciclastic sand ridge field, Sand key, west-central Florida: Geological Society of America Annual Meeting Abstracts with Programs, Denver, CO, p. A-43.
- Locker, S.D., Hine, A.C., Tedesco, L.P., and Shinn, E.A., 1996, Magnitude and timing of episodic sea-level rise during the last deglaciation: Geological Society of America Annual Meeting Abstracts with Programs, Denver, CO, p. A-396.
- Mallinson, D.J., Hine, A.C., and Locker, S.D., 1996, Paleocirculation and paleoclimatic implications of the Florida Middle Grounds: Geological Society of America Annual Meeting Abstracts with Programs, Denver, CO, p. A-118.
- Hine, A.C., and S.D. Locker, 1997, Seismic/Lithostratigraphic Correlation Along the West-Central Florida Coast: USGS West Florida Shelf annual workshop, St. Petersburg, FL.
- Hine, A.C., 1997, Sedimentary processes, geomorphic variability, and geologic evolution of Florida's Big Bend coastline: Florida Big Bend Coastal Research Workshop, Steinhatchee Landing Resort, May 6-8, 1997.
- Hafen, M.R., Hine, A.C., and Naar, D. F., 1997, Correlating geophysical, sedimentary, and hydrologic characteristics of two areas of carbonate-siliciclastic sand ridges on Florida's Gulf coast: Eos Transactions, AGU, v. 78, p. F348, Fall Meeting.
- Mallinson, D.A., Hine, A.C., Naar, D.F., Hafen, M.R., Schock, S., Smith, S., Gelfenbaum, G., Wilson, D., Lavoie, D., 1997, Seafloor mapping using autonomous underwater vehicle (AUV) Ocean Explorer: Eos Transactions, AGU, v. 78, p. F350, Fall Meeting.
- Feary, D.A., James, N.P., and Hine, A.C., 1997, Southern Ocean paleoceanography and cool-water carbonate platform processes (sea level, facies, diagenesis, hydrology)--ODP Leg 182 scientific objectives in the Great Australian Bight: Eos Transactions, AGU, v. 78, p. F370, Fall Meeting.
- Duncan, D.S., Hine, A.C., and Droxler, A.W., 1997, Late Quaternary paleoceanographic changes in the western Caribbean Sea as recorded in intermediate depth periplatform sediments of the Serranilla Basin: Eos Transactions, AGU, v. 78, p. F52, Fall Meeting.
- Hine, Albert C., Stanley D. Locker, Department of Marine Science, University of South Florida; Gregg Brooks, Department of Marine Science, Eckerd College, Richard A. Davis, Jr., Department of Geology, University of South Florida Cenozoic Carbonate Platform Controls on a Modern Siliciclastic Coastal System 1998 AAPG Annual Convention Abstract Salt Lake City, Utah May 17-28, 1998
- Donahue, Brian, Albert C. Hine, Stanley D. Locker, and Sarah Tebbens, Department of Marine Science, University of South Florida Estuarine/Inner Shelf Seabed Transition in a Mixed Carbonate/Siliciclastic Depositional Regime 1998 AAPG Annual Convention Abstract Salt Lake City, Utah May 17-28, 1998

- Edwards, James H., Albert C. Hine, Stanley D. Locker, Department of Marine Science, University of South Florida; Gregg R. Brooks, Department of Marine Science, Eckerd College Stratigraphic Framework of a Mixed Carbonate/Siliciclastic Inner Shelf Sand Ridge System 1998 AAPG Annual Convention Abstract Salt Lake City, Utah May 17–28, 1998
- Locker, S.D., and Albert C. Hine, Department of Marine Science, University of South Florida; Gregg R. Brooks, Department of Marine Science, Eckerd College Inner Shelf Sediment Distribution and Thickness Patterns in a Mixed Carbonate/Siliciclastic Depositional Setting 1998 AAPG Annual Convention Abstract Salt Lake City, Utah May 17–28, 1998
- Hafen, M.R., Donahue, B.T., Weltmer, M.A., Hine, A.C., Naar, D.F., Tebbens, S.F., Howd, P.A., And Locker, S.D., Bedform Detection, Characteristics, and Movement on the West Florida Shelf, 1998 AGU Spring Meeting, Boston, MA, EOS April 28, 1998, p. S129.
- Swart, P.K., Wortmann, U., Mitterer, D., Malone, M. Feary, D., Hine, A.C., and Shipboard Scientific Party, 1999, Saline Fluids Beneath the South Australian Continental Margin: Origin and Implications for Diagenesis: Spring AGU Meeting.
- Feary, D.A., Hine, A.C., Malone, M.J., Simo, J.A., Andres, M., Betzler, C., Brooks, G., Brunner, C.A., Holbourn, A.E., James, N.P., Li, Q.Y., Ladner, B.C., Machiyama, H., Matsuda, H., Mitterer, R.M., Shafik, S., Surlyk, F., Swart, P., Wortmann, U.G., and members of the Scientific Party, Cool-Water Carbonates, ODP Leg 182, Great Australian Bight, Bathurst Conf, UK, July, 1999.
- Malone, M., Mitterer, R., Swart, P., Wortmann, U., Feary, D. and Hine, A., 1999, Simultaneous methanogenesis and sulfate reduction in carbonate-rich sediments, Great Australian Bight (ODP Leg 182): AGU San Francisco, December, 1999.
- Jarrett, B.D., Hine, A.C., Neumann, A.C., and Naar, D. F., 1999, “Give-Up” Late Quaternary reefs west of the Florida Keys: AGU San Francisco, December, Eos Transactions, v. 80 no. 46, p. F498.
- Mallinson, D. J. Hine, A.C., and Muller, P., 1999, Structure and origin of relict reefs on the west Florida margin: AGU Francisco, December, Eos Transactions, v. 80. No., 46, p. F498.
- Swart, P.K., Wortmann, U., Mitterer, R., Malone, M., Feary, D., Hine, A.C., and Martin, J., 1999, The origin of saline brines with unusual Na/Cl ratios in the continental margins of south Australia: AGU San Francisco, December, Eos Transactions, v. 80. No., 46, p. F 539.
- Donahue, B. T., Hine, A.C., Tebbens, S.F., Locker, S.D., and Twichell, D. C., 1999, Modern morphodynamics and Holocene evolution of an inner shelf/estuarine transition zone on the west Florida shelf, 1999, AGU, San Francisco, Eos Transactions, v. 80. No., 46, p. F519.



- Feary, D.A., Isern, A. R., James, N.P., Hine, A.C., and Malone, M.J., 1999, Seismic morphology and downhole log signatures of cool-water carbonates on the southern Australian margin mimic warm-water carbonates AGU San Francisco, Eos Transactions, v. 80. No., 46, p. F525
- Mitterer, R.M., M.J. Malone, P.K. Swart, U.G. Wortmann, D.A. Feary, A.C. Hine, and ODP Leg 182 Shipboard Scientific Party: Concurrent production of methane and hydrogen sulfide in continental margin sediments of the Great Australian Bight: AGU Ocean Sciences Meeting, San Antonio, TX, January 2000
- Jaap, W.C., Mallinson, D.J., Hine, A.C., Hallock, P., Wheaton, J.L., and Jarrett B. , 2000, Geological and Biological Characteristics of the Dry Tortugas, Pulley Ridge, and the Florida Middle Ground: Gulf of Mexico Symposium, April 9-12, 2000, Mobile, AL.
- Hafen, M.R. Hine, A.C., and Naar, D.F., 2000, Identifying changes in the morphology of subaqueous dunes on the west Florida shelf using side-scan sonar: Association of American Geographers, Pittsburg, PA.,
- Jarrett, B.D., Hine, A.C., Neumann, A.C., Naar, D., Locker, S.D., Mallinson, D., and Jaap, W., 2000, Deep biostromes at Pulley Ridge; Southwest Florida Carbonate Platform: AGU and AUS meetings
- Drexler, T.M., Brooks, G.R., Hine, A.C., and Mallinson, D., 2000, Cyclic Deposition In A Cool-Water Carbonate Slope Setting: Great Australian Bight: Annual GSA Meeting.
- Cunningham, K.J., Locker, S.D., Hine, A.C., Barron, J.A., Bukry, D., and Guertin, L.A., 2001, Controls on the depositional balance between carbonates and siliciclastics on the southeastern Florida platform: Annual GSA Meeting, Boston, MA., Abstract volume 33, no. 6, p. A-446
- Naar, D.F., Donahue, B., Jarrett, B., Locker, S.D., Hine, A.C., Halley, R., Twichell, D., and Taylor, G., High Resolution Shallow Water Surveys West of Florida in July and Sep 2001: Symposium on Shallow Water Imaging, Durham, New Hampshire.
- Eberli, G. P., Anselmetti, F. S., Isern, A. R., Hine, A.C., and Hallock-Muller, P., 2001, The remarkable similarity in the architecture of isolated tropical and cool tropical carbonate platforms: Annual GSA Meeting, Boston, MA., Abstract Volume, 33, no. 6, p. A-408.
- Hine, A.C., Locker, S.D., Jarrett, B. Shinn, E.A., Halley, R., Lidz, B., and Neumann, A.C., 2001, Reef edifices on the Florida Platform; an emerging complex distribution: Annual GSA Meeting, Boston, Abstract volume 33, no. 6, p. A-407.
- Hine, A.C., 2001, Big waves, extreme aridity, strange reefs, and poisonous gas all the Great Australian Bight: initial results from the Ocean Drilling Program's (ODP) Leg 182; USF-CMS Seminar Series, Aug 1, 2001.

- Locker, S.D., Hine, A.C., Davis, R.A., Jr., Brooks, G.R., Doyle, L.J., Twichell, D.C., and Gelfenbaum, G., 2001, Geologic framework and recent geologic history of the west-central Florida inner continental shelf and barrier island system: summary of findings: Annual GSA Meeting, Boston, MA, Abstract Volume 33, no. 6, p. A-104.
- Locker, S.D., Hine, A.C., Brook, G.R., Davis, R.A., Jr., Twichell, D. C., and Gelfenbaum, G., 2001, Evolution of the west-central Florida inner continental shelf and barrier island system; a regional perspective on sediment accumulation patterns: Annual GSA Meeting, Boston, MA, Abstract volume 33, no. 6, p. A-430.
- Berman, G.A., Naar, N.F., Hine, A.C., Tebbens, S.F., Donahue, B.T., Brooks, G.R., and Wilson, R., 2002, Geologic structure and hydrodynamics of Egmont Channel: an anomalous inlet at the mouth of Tampa Bay, Florida: OS-61A-0190; Fall AGU Meeting.
- Edgar, N.T., Willard, D.A., Brooks, G.R., Cronin, T.D., Hastings, D.W., Flower, B.P., Swarzenski, P.W., Z., Hollander, D.J., Larson, R., Hine, A.C., Suthard, B.C., Locker, S.D., and Greenwood, W.J., 2002, Holocene and Pleistocene marine and non-marine sediment from Tampa Bay, Florida; OS61A-0191; Fall AGU Meeting.
- Locker, S.D., Hine, A.C., Wright, A.K., and Duncan, D.S., 2002, Sedimentary framework of an inner continental shelf sand-ridge system, wets-central Florida: OS61A-0188. Fall AGU Meeting.
- Obrochta, S.P., Hine, A.C., Flower, B.P. Locker, S.D., and Brooks, G.R., 2002, The mid-Pleistocene climate transition recorded in a hemipelgaic sediment drift (ODP Leg 194): implications for understanding of continent margin sediment sources and sinks: PP71B-0400, Fall AGU Meeting.
- Suthard, B.C., Hine, A.C., Locker, S.D., Duncan, D.S., Morton, R.A., Hansen, M.E., and Edgar, N.T., 2002, A siliciclastic infilled sedimentary basin within a large carbonate platform, Tampa Bay, Florida: OS61A-0210, Fall AGU Meeting.
- Siedlecki, S.A., Brooks, G.R., Brunner, C., Hine, A.C., Flower, B.P., Hastings, D.W., Mallinson, D. Shelf sediment export controlled by Pleistocene ice volume fluctuations from the cool water carbonate slope of the Great Australian Bight: ODP Site 1130. Eos Trans. AGU, 82(47), Fall Meet. Suppl., Abstracts PP52A-0566, 2001.
- Obrochta, S.P., Hine, A.C., Flower, B., Hallock, P.H., and Brooks, G.R., 2003, Quantification of the changing sedimentary architecture of a continental margin sediment drift as a result of the mid Pleistocene Climate Transition: EOS Trans. AGU, 84 (6), Fall Meet. Suppl. Abstract PP51C-0937, 2003.
- Whitman, J.M., and Hine, A.C., 2003, US scientists and educators speak out, 2003: EOS Trans. AGU, 84 (6), Fall Meet. Suppl. Abstract ED 32E-05, 2003.

- Locker, S.D., Howd, P.A., Hine, A.C., and Naar, D.F., 2004, Monitoring mine scour and burial using side-scan sonar and underwater video: observations from the Indian Rocks Beach winter 2003 experiment; ONR Mine burial Workshop, Monterey, CA
- Locker, S.D., and Hine, A.C., 2004, Mapping the impact of dredging activities in Tampa Bay: exposing deep strata and detecting disturbed bay floor: Third Annual Science Conference—Gulf of Mexico Integrated Science—Tampa Bay Study, USGS
- Suthard, B.C., Hine, A.C., Locker, S.D., Duncan, D.S., and Morton, R.A., 2004, Shallow seismic reflection in Tampa Bay: an irregular karst basin in-filled by siliciclastic sediments: Third Annual Science Conference—Gulf of Mexico Integrated Science—Tampa Bay Study, USGS.
- Hine, A.C., Locker, S.D., Wright, E.E., and Goodbred, S.L., 2004, Geologic setting, depositional environments, and geologic history of the Suwannee River delta; present understanding and proposed work: Suwannee River Basin and Estuary integrated Science workshop: Sep 22-24, 2004, Cedar Key, FL, USGS Open File Report 2004-1332, p. 12.
- Halley, R.B., Hine, A.C., Jarrett, B.D., Twichell, D.C., Naar, D.F., and Dennis, G.D., 2004, Pulley Ridge: the US's deepest hermatypic coral reef: Geological Society of America Annual Meeting, Denver, CO., Abstracts with Programs. p. 302.
- Locker, S.D., and Hine, A.C., 2004, The mixed siliciclastic/carbonate inner shelf off west-central Florida: Geological Society of America Annual Meeting, Denver, CO, Abstracts with Programs, p. 301.
- Hine, A.C., Jarrett, B.D., Halley, R.B., Locker, S.D., Mallinson, D. J., Naar, D.F., Donahue, B.T., weaver, D., Shinn, E.A., 2004, New geologic themes emerging from west Florida outer shelf studies: Geological Society of America Annual Meeting, Denver, CO., Abstracts with Programs, p. 193.
- Hine, A.C., Suthard, B.C., Locker, S.D., Cunningham, K. J., Duncan, D.S., Morton, R.A., and Evans M.W., 2005, Low-relief, spatially-restricted Late Cenozoic siliciclastic basins embedded within a large carbonate platform: Tampa Bay and Charlotte Harbor, west-central peninsular Florida: Geological Society of America Annual Meeting, Salt Lake City, Abstract Volume, p. 183.
- Hine, A.C., Locker, S.D., Halley, R. Robbins, L. and Bradley, K., 2009, Quaternary geology of the south and west Florida shelves—beginning of a synthesis: Southeast Geological Society of America Annual Meeting, St. Petersburg, FL (abstract).
- Locker, S.D., Hine, A.C., Palandro, D., and McEachron, L., 2010, High-resolution seafloor mapping of the Dry Tortugas National Park using side-scan sonar and swath bathymetry. Linking Science to Management: A Conference & Workshop on the Florida Keys Marine Ecosystem, Duck Key, FL. Program book, p.106.
- Hine, A.C., and S.D. Locker, 2011, “We’re burning daylight”, A tribute to Stan

Riggs' amazin' career of thinking big—some lesson of sea level changes and coastal response from a carbonate ramp—the west Florida margin: Southeast Geological society of America Annual Meeting, Wilmington, NC (abstract).

Locker, S., Reed, J., Farington, S., Harter, S., Hine, A., Dunn, S., and Shinn, E., Sticky Grounds – hardbottom mesophotic habitat on the west Florida outer continental shelf (poster).AGU Ocean Science Meeting, Salt Lake City, UT, Feb 20-24, 2012.

Hine, A.C., Greely, T., and Lodge, A., 2012, ED43A-0720. C-IMAGE Teachers at Sea Maiden Voyages: Promoting Authentic Scientific Research in the Classroom; Fall AGU San Francisco;; ED43A. Teacher Professional Development Programs Promoting Authentic Scientific Research in the Classroom II Posters.

Locker, S., Reed, J., Farington, S., Harter, S., Hine, A., Dunn, S., and Shinn, E., Sticky Grounds – hardbottom mesophotic habitat on the west Florida outer continental shelf (poster).AGU Ocean Science Meeting, Salt Lake City, UT, Feb 20-24, 2012.

Hine, A.C., Greely, T., and Lodge, A., 2012, ED43A-0720. C-IMAGE Teachers at Sea Maiden Voyages: Promoting Authentic Scientific Research in the Classroom; Fall AGU San Francisco;; ED43A. Teacher Professional Development Programs Promoting Authentic Scientific Research in the Classroom II Posters.

### ***Teaching and Other Instructional Activities***

Geology of Coastal Zone, 4 credits, Graduate Level, Summer 1976-1980, University of North Carolina, Institute of Marine Science.

OCE-6934-604, Geological Oceanography, 3 credits, Graduate Level.

OCE-6934-603, Shallow Marine Sedimentation, 4 credits, Graduate Level.

OCE-6934-604, Geology of Continental Margins, 3 credits, Graduate Level.

OCE-6934-601, Stratigraphic Interpretation of Seismic Data, 3 credits Grad.

OCE-6934-604, Evolution of Carbonate Platforms, 3 credits, Graduate Level.

OCE-6934-604, Principles of Sequence Stratigraphy, 2 credits, Graduate Level.

OCE-6934-605, Sea-Level Change and the Stratigraphic Record, 3 credits, Grad.

OCE-6934-604, Marine Sedimentation, 2 credits, Grad.

OCE-6934-604, Climate Change as Seen in the Geologic Record, 2 credits, Grad.

OCE-6934-604, Principles of Marine Stratigraphy

OCE-6934-604, Geologic History of the Florida Platform

OCE-6934-604, Geology of Cuba and the Caribbean

OCE-6934-610, The Geologic History of the Gulf of Mexico and Why it is One of the World's Hydrocarbon Megaprovinces

OCE-4930/6934, The Geologic History of Florida—the Major Events That Shaped the Sunshine State

OCE-6934-610, Integrated Depositional Systems Along Continental Margins

### ***Graduate Students' Advisory Committees***

Boardman, M. R., 1976, Lime mud deposition in a tropical island lagoon, Bight of Abaco, Bahamas: Unpublished M. S. thesis, Curriculum in Marine Sciences, University of North Carolina, Chapel Hill.

Sarle, L. L., 1977, Sand bodies within Beaufort Inlet, N. C.: Unpublished M. S. thesis, Department of Geology, Duke University, Durham, North Carolina.

Moslow, E. F., 1977, Quaternary evolution of Core Banks, North Carolina from Cape Lookout to New Drum Inlet: Unpublished M. S., thesis, Department of Geology, Duke University, Durham, North Carolina.

Mullins, H. T., 1978, Deep carbonate bank margin structure and sedimentation in the northern Bahamas: Unpublished Ph.D. dissertation, Curriculum in Marine Sciences, University of North Carolina, Chapel Hill.

Boardman, M. R., 1978, Holocene deposition in Northwest Providence Channel, Bahamas: Unpublished Ph.D. dissertation, Curriculum in Marine Sciences, University of North Carolina, Chapel Hill.

Miller, T. L., 1978, Critical analysis of coastal management activities in North Carolina: Unpublished Honors thesis, Department of City and Regional Planning, University of North Carolina, Chapel Hill.

Berelson, W. M., 1979, Barrier island evolution and its effect on lagoonal sedimentation: Shackleford Banks, Back Sound, and Harker's Island: Cape Lookout National Seashore: Unpublished thesis, Department of Geology, Duke University, Durham, North Carolina.

Kana, T. W., 1979, Suspended sediment in breaking waves: Unpublished Ph.D. dissertation, Department of Geology, University of South Carolina, Columbia.

- Locker, S., 1980, Holocene depositional history of Abaco Sound, Bahamas: Unpublished M.S. thesis, Curriculum in Marine Sciences, University of North Carolina, Chapel Hill.
- Steele, A., 1980, Quaternary history of Bogue Banks, N. C.: Unpublished M.S. thesis, Department of Geology, Duke University, Durham, North Carolina.
- Wilber, R. J., 1981, Late Quaternary history of a leeward carbonate bank margin: A chronostratigraphic approach: Unpublished Ph.D. dissertation, Curriculum in Marine Sciences, University of North Carolina, Chapel Hill.
- Lewis, D. W., 1981, Preliminary stratigraphy of the Pungo River Formation of the Atlantic Continental Shelf, Onslow Bay, North Carolina: Unpub. M.S. thesis, Department of Geology, East Carolina University, Greenville, North Carolina, 75 p.
- Brooks, G. R., 1981, Recent carbonate sediments of the Florida Middle Ground reef system: Northeastern Gulf of Mexico: Unpublished M.S. thesis, Department of Marine Sciences, University of South Florida, St. Petersburg, Florida, 137 p.
- Schroeder, P. A., 1981, Pyrite and associated heavy minerals of the continental slope off the eastern United States: Unpublished M. S. thesis, Department of Marine Science, University of South Florida, St. Petersburg, Florida, 98 p.
- Parker, D. M., 1982, A comparison of deep reef foraminiferal assemblages in the eastern Gulf of Mexico: Unpublished M. S. thesis, Department of Marine Science, University of South Florida, St. Petersburg, Florida.
- Kuhn, B. J., 1983, Stratigraphy and geologic evolution of Anclote Key, Pinellas County, Florida: Unpublished M. S. thesis, Department of Geology, University of South Florida, 108 p.
- Gregory, J. S., 1984, Stratigraphy and geologic history of an emerging barrier complex, northern Pinellas County, Florida: Unpublished M. S. thesis, Department of Geology, University of South Florida, St. Petersburg, Florida, 141 p.
- Willis, J. W., 1984, The shallow structure of Tampa Bay: Unpublished M. S. thesis, Department of Marine Science, University of South Florida, St. Petersburg, Florida, 84 p.
- Schrader, D. L., 1984, Holocene sedimentation in a low energy microtidal estuary, St. Lucie River, Florida: Unpublished M. S. thesis, University of Geology, 132 p.
- Martin, D. W., 1984, Clastic to carbonate transitions - a modern example: The West Florida continental shelf: Unpublished M. S. thesis, Department of Marine Science, University of South Florida, St. Petersburg, Florida, 98 p.
- Dominguez, L. L., 1986, Cat Island shelf: An incipiently drowned carbonate platform: Unpublished M. S. thesis, Department of Geology, Syracuse University.

- Kump, L. R., 1986, The global sedimentary redox cycle: Unpublished Ph.D. dissertation, Department of Marine Science, University of South Florida, St. Petersburg, Florida, 245 p.
- Mallete, P., 1986, Lithostratigraphic analysis of cyclical phosphate sedimentation within the Miocene Pungo River Formation, North Carolina continental shelf: Unpublished M. S. thesis, Department of Geology, East Carolina University, 155 p.
- Parkinson, R. W., 1987, Holocene sedimentation and coastal response to rising sea level along a low energy coast, Ten Thousand Islands, southwest Florida: Unpublished Ph.D. dissertation, Rosentiel School of Marine and Atmospheric Sciences, University of Miami, 95 p.
- Jewell, P., 1987, Morphodynamics of the Cape Romano Shoals: Unpublished M. S. thesis, Department of Geology, University of South Florida, St. Petersburg, Florida, 88 p.
- Rodriguez, E., 1987, Quaternary geologic history of the San Juan nearshore area from Punta Los Marias to Punta Cangrejos, Puerto Rico: Unpublished M. S. thesis, Department of Geology, University of South Florida, St. Petersburg, Florida, 94 p.
- Andronaco, M., 1987, Hurricane effects and post-storm recovery, Pinellas County, Florida (1985-1986): Unpublished M. S. thesis, Department of Geology, University of South Florida, St. Petersburg, Florida, 82 p.
- Gardulski, Anne, F., 1987, Climatic and oceanographic controls on the Neogene sedimentary framework of the outer West Florida carbonate ramp: Unpublished Ph.D. dissertation, Department of Geology, Syracuse University, Syracuse, NY, 229 p.
- Trumbull, W. J., 1988, The depositional history of a windward, open marginal lagoon, northern Great Bahamas Bank: Unpublished M. S. thesis, Curriculum in Marine Science, University of North Carolina, Chapel Hill, 127 p.
- Skjold, Lars, J., 1989, A seismic and sedimentary study of the late Quaternary development of the Lloyd Bay area, Northern Great Barrier Reef, Australia: Unpublished Ph.D. dissertation, Department of Geology and Mineralogy, University of Queensland, Australia, 307 p.
- Triffleman, N. J., 1989, Morphology, sediments, and depositional environments of a partially drowned carbonate platform: Serranilla Bank-southwest Caribbean Sea: Unpublished M. S. thesis, Department of Marine Science, University of South Florida, St. Petersburg, Florida, 118 p.
- Klay, J. M., 1989, Stratigraphy and Holocene history of the Cape Romano Shoals, southwest Florida shelf: Unpublished M. S. thesis, Department of Geology, University of South Florida, St. Petersburg, Florida, 132 p.

- Logue, T. 1990, Bedforms and sedimentary processes on the northwest Florida inner continental shelf: Unpublished M.S. thesis, Department of Marine Science, University of South Florida.
- Inglin, D.C., 1991, Sediment budget for Honeymoon Island, FL: Unpublished M.S. thesis, Department of Geology, University of South Florida, 132p.
- Hoffman, B., 1992, A characterization of Florida West Coast Salterns: Unpublished M.S. thesis, Department of Biology, University of South Florida, Tampa, Florida, 69p.
- Duncan, D.S., 1992, Neogene to Recent seismic stratigraphy of the lower Tampa Bay estuary: west-central Florida: Unpublished M.S. thesis, Department of Marine Science, University of South Florida, 98p.
- Spratt, J.G., 1993, Geophysical evaluation and investigation of the hydrologic significance of fractures in a Tertiary carbonate aquifer: Unpublished M.S. thesis, Department of Geology, University of South Florida, 124p.
- Hall, D.L. 1993, Origin of dolomite in the Miocene Hawthorn Group, northeastern Florida: Unpublished M.S. thesis, Department of Marine Science, University of South Florida.
- Peebles, M.W., 1993, Carbonate sedimentology and foraminiferal ecology of deep, current-swept platforms, northern Nicaraguan Rise, Caribbean Sea: Unpublished Ph.D. dissertation, Department of Marine Science, University of South Florida, 184p.
- Mallinson, D.J., 1994, Geology and geochemistry of the Miocene hawthorn Group in northeast Florida: implications for paleoceanography, paleoclimate and carbon and phosphorous cycles: Unpublished Ph.D. dissertation, Department of Marine Science, University of South Florida, 230p.
- Gammon, Paul, 1997, Sequence stratigraphy of the Mangaopari Basin, southeastern North Island, New Zealand: Unpublished Ph.D. dissertation, James Cook University, Townsville, Australia, Department of Geology, 2 volumes.
- Garrett, J., Chlorophyll a and nutrient measurements in sea-surface waters of the Nicaraguan Rise: Unpublished M.S. thesis, Department of Marine Science, University of South Florida.
- Liu, Zhengrong, 1996, The origin and evolution of the Easter Seamount Chain: Unpublished Ph.D. dissertation, Department of Marine Science, University of South Florida, 265p.
- Ferguson, T.W., 1997, Post-Miocene stratigraphy and depositional environments of valley-fill sequences at the mouth of Tampa Bay: Unpublished M.S. thesis, Department of Geology, University of South Florida, 118p.



- Yale, K., 1997, Regional stratigraphy and geologic history of barrier islands, west-central coast of Florida: Unpublished M.S. thesis, Department of Geology, University of South Florida, 180p.
- Cunningham, A., 1997, Neogene evolution of the Pedro Channel carbonate system, northern Nicaraguan Rise: Unpublished Ph.D. dissertation, Department of Geology and Geophysics, Rice University, Houston, TX.
- Dunbar, G.B., 2000, Late Quaternary evolution of the northeast Australian margin: unpublished Ph.D. dissertation, School of Earth Sciences, James Cook University, Townsville, Australia, v. 1 and v. 2.
- Malathi, V., 1999, Sedimentological studies of the beaches and continental shelf between Kalingapatnam-Bavanapadu, east coast of India: Department of Geology; Andhra University, 222p.
- Toedsit Netratanawong, University of South Florida, Department of Marine Science.
- James Gibeaut, University of South Florida, Department of Marine Science (Ph.D.)
- Peter Sedgwick, University of South Florida, Department of Geology (MS)
- Kathryn Kowolski, University of South Florida, Department of Geology (MS)
- Stephen Abbott, James Cook University, Townsville, Australia, Department of Geology (PhD)
- Blair Tormey, University of North Carolina, Department of Geology (MS)
- Nawrocki, K., 2001, Coastal wetlands surface elevation changes: salt marsh and mangrove systems, Tampa Bay, Florida, 121p.
- Palmsten, M., unpublished M.S. thesis, College of Marine Science, University of South Florida.
- Wetzell, L. 2003, Simple models for predicting dune erosion hazards along the Outer Banks of North Carolina: unpublished MS thesis, College of Marine Science, University of South Florida.
- Wright, A.K., 2002, Subpolar North Atlantic surface and deep ocean circulation during the mid-Pleistocene revolution: unpublished MS thesis, College of Marine Science, University of South Florida, 163 p.
- Berman, G.A., 2002, Geophysics and hydrodynamics of Egmont Channel: an anomalous inlet at the mouth of Tampa Bay, Florida: Unpublished M.S. thesis, College of Marine Science, University of South Florida, 95p.
- Whitaker, Jessica MS CMS

Maupin, Chris MS CMS

Hill, Heather PhD CMS

Williams, Nekesha PhD CMS

Williams, Carlie PhD CMS

Tasha Snow (MS)

Mary Ambercrombie (PhD)

Kira Barrera (MS)

Flynn, Lindsay, 2012, Thermal determinants of a nest site selection in loggerhead sea turtles. *Caretta caretta*, at Casey Key, Florida: unpub MS thesis, College of Marine Science, 173p.

### ***Graduate Students' Major Professorship***

#### **Masters Candidates**

Rodriguez, R. W., 1979, Evolution of the Escollo de Arenas, Vieques: Unpublished M. S. thesis, Department of Geology, University of North Carolina, Chapel Hill.

Snyder, S. W. P., 1982, Seismic stratigraphy within the Miocene Carolina Phosphogenic Province: Chronostratigraphy, paleotopographic controls, sea-level cyclicity, Gulf Stream dynamics, and the resulting depositional framework. Unpublished M. S. thesis, Department of Geology, Science, University of North Carolina, Chapel Hill, 183 p.

Evans, M. W., 1983, Barrier island development from lagoonal stratigraphy and sedimentation: Northern Pinellas County, Florida. Unpublished M. S. thesis, Department of Marine Science, University of South Florida, St. Petersburg, Florida.

Matteucci, T., 1984, High resolution seismic stratigraphy of the North Carolina continental margin - Cape Fear region. Unpublished M. S. thesis, Department of Marine Science, University of South Florida, St. Petersburg, Florida.

Osking, E. B., 1985, Sedimentation controls and resulting geomorphology of microtidal, low energy, freshwater influenced shelf embayments, west-central Florida. Unpublished M. S. thesis, Department of Marine Science, University of South Florida, St. Petersburg, Florida.

Hutton, J. G., 1985, Bedrock control, sedimentation and Holocene evolution of the marsh archipelago coast: West-central Florida: Unpublished M. S. thesis, Department of Marine Science, University of South Florida, St. Petersburg, Florida, 154 p.

- Mearns, D. L., 1986, Continental shelf hardbottoms in Onslow Bay, North Carolina: Their distribution, geology, biological erosion and response to Hurricane Diana, Sept. 11-13, 1984: Unpublished M. S. thesis, Department of Marine Science, University of South Florida, St. Petersburg, Florida, 133 p. (CEO of Blue Water Recovery, LTD)
- Harris, M., 1992, Sedimentary products and processes along a current-dominated open seaway, Bawihka Channel, northern Nicaraguan Rise, Caribbean Sea: Unpublished M.S. thesis, Department of Marine Science, University of South Florida.
- Goodbred, S.L., Jr, 1994, Geologic controls on the Holocene evolution of an open-marine marsh system fronting a shallow-water embayment: Waccasassa Bay, West-central Florida: Unpublished M.S. thesis, Department of Marine Science, University of South Florida, 221 p. (Professor at Vanderbilt University)
- Wood, N. J., 1996, Sedimentary dynamics of a shallow-water embayment and adjacent open-marine marsh system: Waccasassa Bay, Florida: Unpublished MS thesis, Department of Marine Science, University of South Florida, 156p. (US Geological Survey)
- Harrison, S.E., 1996, Morphology and evolution of a Holocene carbonate/siliciclastic sand ridge field on the central-west Florida inner continental shelf: Unpublished M.S. thesis, Department of Marine Science, University of South Florida, 211p.
- Edwards, J.H., 1998, Stratigraphic framework of a mixed siliciclastic/carbonate inner-shelf sand-ridge system, west-central Florida: Unpublished M.S. thesis, Department of Marine Science, University of South Florida, 133p. (in restaurant business)
- Mosier, A., 1998, The impact of coastal armoring structures on sea turtle nesting behavior at three beaches on the east coast of Florida: Unpublished M.S. thesis, Department of Marine Science, University of South Florida, 111p. (Florida Wildlife Research Institute)
- Donahue, B.T., 1999, Modern morphodynamics and Holocene evolution of an inner shelf/estuarine transition zone on the west Florida shelf: Unpublished M.S. thesis, Department of Marine Science, University of South Florida, 155p. (research tech at College of Marine Science)
- Hickey, T.D., 2004, Geologic evolution of South Florida Pleistocene-age deposits with an interpretation of the enigmatic rock ridge development; unpublished MS thesis, College of Marine Science, University of South Florida. (US Geological Survey)
- DeWitt, N.T., 2004, The depositional history of three freshwater lakes in north-central Florida: Brooklyn Lake, Levys Prairie, and Cowpen Lake; unpublished MS thesis, College of Marine Science, University of South Florida. (US Geological Survey)
- Obrochta, S.P., 2004, Australian Great Barrier Reef initiation constrained by seaward, shallow-water sediment drift architecture: Are Pleistocene reefs contemporaneous (ODP Leg 194),

Marion Plateau; unpublished MS thesis, College of Marine Science, University of South Florida. (University of Tokyo)

Quigley, W.C., 2005, Variations in sedimentation rates and depositional controls of the open-marine, marsh-dominated coastline from Bayonet Point to the Suwannee River, FL; Unpublished MS thesis, College of Marine Science, University of South Florida. (Florida Wildlife Research Institute)

Suthard, B.C., 2005, A siliciclastic-filled sedimentary basin in a mid-carbonate platform setting, Tampa Bay, FL; unpublished MS thesis, College of Marine Science, University of South Florida. (Coastal Planning and Engineering, Inc.)

Ciembronowicz, K.T., 2007, The relationship of initial flooding depositional facies to global sea level and climate on the Marion Plateau, NE Australia (ODP Leg 194): unpublished MS thesis, University of South Florida. 80p.

Dunn, S., 2007, Acoustic sediment classification across a diverse range of habitats in Tampa Bay: unpublished MS thesis, College of Marine Science, University of South Florida.

Larson, R., 2011, High resolution event stratigraphy of mm-scale laminated sediments from coastal ponds: St. Johns US Virgin Islands: unpublished MS thesis, University of South Florida, College of Marine Science, MS candidate.

Kaitlyn Lizza—2012

### **Ph.D. Candidates**

Evans, M. W., 1989, Late Miocene to Quaternary seismic and lithologic sequence stratigraphy: Southwest Florida: Unpublished Ph.D. dissertation, Department of Marine Science, University of South Florida, 136p. (research scientist for NOAA)

Koch, E., 1993, Hydrodynamics of flow through seagrass canopies: biological, physical, and geochemical interactions: Unpublished Ph.D. dissertation, Department of Marine Science, University of South Florida, 123p. (Professor at the University of Maryland)

Snyder, S.W., 1994, Miocene sea-level cyclicity: frequency and amplitude estimates from the Carolina Platform: Unpublished Ph.D. dissertation, Department of Marine Science, University of South Florida, 5 volumes (Assistant Professor at North Carolina State University; now HS science teacher)

Leonard, L., 1994, Environmental and physical factors controlling sediment transport and deposition in microtidal marsh systems: implications for marsh stability: Unpublished Ph.D. dissertation, University of South Florida, Department of Marine Science, 203p. (Professor at the University of North Carolina at Wilmington)

- Wright, E.E., 1995, Sedimentation and stratigraphy of the Suwannee River marsh coastline: Unpublished Ph.D. dissertation, University of South Florida, Department of Marine Science, 254p. (Professor at Coastal Carolina University)
- Toscano, M.T., 1996, Quaternary stratigraphy, paleoclimatology, and sea level history of the southeast Florida outer continental shelf: Unpublished Ph.D. dissertation, University of South Florida, Department of Marine Science, 280 p. (research scientist for NOAA)
- Duncan, D.S. 1997, The geologic and paleoceanographic evolution of the Serranilla Basin: Northern Nicaraguan Rise, Caribbean Sea: Unpublished Ph.D. dissertation, University of South Florida, Department of Marine Science, 212p. (Instructor Eckerd College)
- Hafen, M.R., 2001, Spatial and temporal comparisons of sedimentary features and properties, west Florida shelf: Unpublished Ph.D. dissertation, University of South Florida, College of Marine Science, 271 p. (Assistant Professor, University of South Florida)
- Jarrett, Bret, 2003, Late Quaternary carbonate sediments and facies distribution patterns across a ramp to rim transition: a new depositional model for the southwest Florida Platform: Unpublished Ph.D. dissertation, University of South Florida, College of Marine Science., 241p. (research scientist Nettles Consulting)

Bradley, K., 2007—

Dunn, S., 2010—

Christian Haller--2013

**Post Doctoral Associates/Advisees**

Dr. Stanley D. Locker, Dr. Lynn A. Leonard, Dr. David Mallinson, Dr. Doug Wilson