

**(18) Barbara H. Lidz BIBLIOGRAPHY**

- a. PUBLISHED REPORTS** (List non-abstract publications in chronological order with full citations, including journal papers, book chapters, books, proceedings, academic thesis, dissertation, USGS reports, maps, fact sheets, circulars, CD-ROMs, and so on).
- (1) Lidz, Louis, and **Lidz, B.**, 1966, Foraminiferal biofacies of Veracruz reefs: American Association of Petroleum Geologists Bulletin, v. 50, no. 7, p. 1514-1517.
  - (2) **Lidz, B.**, Kehm, A., and Miller, H., 1968, Depth habitats of pelagic foraminifera during the Pleistocene: Nature, v. 217, no. 5125, p. 245-247.
  - (3) Emiliani, C., Gartner, S., and **Lidz, B.**, 1972, Neogene sedimentation on the Blake Plateau and the emergence of the Central American isthmus: Palaeogeography, Palaeoclimatology, Palaeoecology, v. 11, p. 1-10.
  - (4) Gartner, S., and **Lidz, B.**, 1972, Reworking and apparent reworking of Neogene fossil plankton: Micropaleontology, v. 18, no. 1, p. 115-118.
  - (5) **Lidz, B.**, 1972, *Globorotalia crassaformis* morphotype variations in Atlantic and Caribbean deep-sea cores: Micropaleontology, v. 18, no. 2, p. 194-211.
  - (6) **Lidz, B.**, 1973, Biostratigraphy of Neogene cores from Exuma Sound diapirs, Bahama Islands: American Association of Petroleum Geologists Bulletin, v. 57, no. 5, p. 841-857.
  - (7) Emiliani, C., Gartner, S., **Lidz, B.**, Eldridge, K., Elvey, D.K., Huang, T.C., Stipp, J.J., and Swanson, M.F., 1975, Paleoclimatological analysis of Late Quaternary cores from the northeastern Gulf of Mexico: Science, v. 189, no. 4208, p. 1083-1088.
  - (8) Hudson, J.H., Shinn, E.A., Halley, R.B., and **Lidz, B.**, 1976, Sclerochronology—a tool for interpreting past environments: Geology, v. 4, p. 361-364.
  - (9) Halley, R.B., Shinn, E.A., Hudson, J.H., and **Lidz, B.**, 1977, Pleistocene barrier bar seaward of the ooid shoal complex near Miami, Florida: American Association of Petroleum Geologists Bulletin, v. 61, no. 4, p. 519-526.
  - (10) Shinn, E.A., Halley, R.B., Hudson, J.H., and **Lidz, B.**, 1977, Limestone compaction, an enigma: Geology, v. 5, p. 21-24.
  - (11) Shinn, E.A., Hudson, J.H., Halley, R.B., and **Lidz, B.**, 1977, Topographic control and accumulation rate of some Holocene coral reefs—South Florida and Dry Tortugas: Proceedings, International Coral Reef Symposium, 3<sup>rd</sup>, v. 2 - Geology, p. 1-8.
  - (12) Halley, R.B., Shinn, E.A., Hudson, J.H., and **Lidz, B.**, 1977, Recent and relict topography of Boo Bee Patch Reef, Belize: Proceedings, International Coral Reef Symposium, 3<sup>rd</sup>, v. 2 - Geology, p. 29-36.
  - (13) Rose, P. R., and **Lidz, B.**, 1977, Diagnostic foraminiferal assemblages of shallow-water modern environments—South Florida and the Bahamas, in **Lidz, B.**, ed., Sedimenta VI: Miami, Fla., University of Miami, Comparative Sedimentology Laboratory, Division of Marine Geology and Geophysics, 55 p.
  - (14) Emiliani, C., Hudson, J.H., Shinn, E.A., George, R.Y., and **Lidz, B.**, 1978, Oxygen and carbon isotopic growth record in a reef coral from the Florida Keys and a deep-sea coral from Blake Plateau: Science, v. 202, no. 4368, p. 627-629.
  - (15) Shinn, E.A., Halley, R.B., Hudson, J.H., and **Lidz, B.H.**, 1978, Limestone compaction, an enigma—a reply: Geology, v. 6, p. 199.
  - (16) **Lidz, B.H.**, 1980, Biostratigraphy of the lower section of Swedish core 234 (Equatorial Atlantic)—paleoecology and an age reassignment, in Sliter, W.V., ed., Studies in marine micropaleontology and paleontology, A Memorial Volume to Orville L. Bandy: Cushman Foundation for Foraminiferal Research Special Publication No. 19, p. 252-257 (*invited*).

- (17) **Lidz, B.H.**, 1981, Lithologic log--Shell-Sloan #34-1, Okeechobee County, Florida: U.S. Geological Survey Open-File Report 81-453 of 11,280-ft exploratory well. 17 p.
- (18) **Lidz, B.H.**, 1981, Road log and documentary photographs for 15 significant biostratigraphic sites in Miocene-Pliocene limestone, Kingshill Seaway, St. Croix, U.S. Virgin Islands: U.S. Geological Survey Open-File Report 81-1291, 48 p.
- (19) Shinn, E.A., Hudson, J.H., Robbin, D.M., and **Lidz, B.**, 1981, Spurs and grooves revisited--construction versus erosion, Looe Key Reef, Florida: Proceedings, International Coral Reef Symposium, 4th, Manila, Philippines, v. 1, p. 475-483.
- (20)I Shinn, E.A., Hudson, J.H., Halley, R.B., **Lidz, B.**, Robbin, D.M., and Macintyre, I.G., 1982, Geology and sediment accumulation rates at Carrie Bow Cay, Belize, *in* Rützler, K., and Macintyre, I.G., eds., The Atlantic Barrier Reef Ecosystem at Carrie Bow Cay, Belize, I: Structure and Communities: Smithsonian Contributions to the Marine Sciences, v. 12, p. 63-75 (*invited*).
- (21) **Lidz, B.H.**, 1982, Biostratigraphy and paleoenvironment of Miocene-Pliocene hemipelagic limestone--Kingshill Seaway, St. Croix, U.S. Virgin Islands: Journal of Foraminiferal Research, v. 12, no. 3, p. 205-233.
- (22)I Shinn, E.A., Robbin, D.M., **Lidz, B.H.**, and Hudson, J.H., 1983, Influence of deposition and early diagenesis on porosity and chemical compaction in two Paleozoic buildups--Mississippian and Permian age rocks in the Sacramento Mountains, New Mexico, *in* Harris, P.M., ed., Carbonate Buildups - A Core Workshop: Society of Economic Paleontologists and Mineralogists Annual Meeting, Core Workshop No. 4, Dallas, April 1983, p. 182-222 (*invited*).
- (23) **Lidz, B.H.**, 1984, Oldest (early Tertiary) subsurface carbonate rocks of St. Croix, USVI, revealed in a turbidite-mudball: Journal of Foraminiferal Research, v. 14, no. 3, p. 213-227.
- (24) **Lidz, B.H.**, 1984, Neogene sea-level change and emergence, St. Croix, Virgin Islands--evidence from basinal carbonate accumulations: Geological Society of America Bulletin, v. 95, p. 1268-1279.
- (25)I **Lidz, B.H.**, Robbin, D.M., and Shinn, E.A., 1984, Holocene sediment thickness and facies distribution, Looe Key National Marine Sanctuary, Florida: Chapter 4 *in* **Lidz, B.H.**, ed., Resource Survey of Looe Key National Marine Sanctuary, Phase I: Report for Sanctuary Programs Division, Office of Ocean and Coastal Resource Management, NOAA, U.S. Department of Commerce, p. 4.1 - 4.51 (*invited*).
- (26) **Lidz, B.H.**, Robbin, D.M., and Shinn, E.A., 1985, Holocene carbonate sedimentary petrology and facies accumulation, Looe Key National Marine Sanctuary, Florida: Bulletin of Marine Science, v. 36, no. 3, p. 672-700.
- (27)I Shinn, E.A., and **Lidz, B.H.**, 1988, Blackened limestone pebbles: fire at subaerial unconformities, *in* Choquette, P. W., and James, N. P., eds., Paleokarst: Springer-Verlag, New York, p. 117-131 (*invited*).
- (28)I **Lidz, B.H.**, 1988, Upper Cretaceous (Campanian) and Cenozoic stratigraphic sequence, northeast Caribbean (St. Croix, U.S. Virgin Islands): Geological Society of America Bulletin, v. 100, p. 282-298 (*invited*).
- (29) **Lidz, B.H.**, and Rose, P.R., 1989, Diagnostic foraminiferal assemblages of Florida Bay and adjacent shallow waters: A comparison: Bulletin of Marine Science, v. 44, no. 1, p. 399-418.
- (30) **Lidz, B.H.**, (in press), Drowning the Florida Keys: how little would it take? submitted, Oceanus (12 ms pages) (Branch Approval 4-14-89).
- (31) Shinn, E.A., Steinen, R.P., **Lidz, B.H.**, and Swart, P.K., 1989, Whitings, a sedimentologic dilemma: Journal of Sedimentary Petrology, v. 59, no. 1, p. 147-161.
- (32)I Shinn, E.A., **Lidz, B.H.**, Kindinger, J.L., Hudson, J.H., and Halley, R.B., 1989, A Field Guide: Reefs of Florida and the Dry Tortugas: IGC Field Trip T176, International Geological Congress, American Geophysical Union, Wash., D.C. 53 p. (*invited*).

- (33)I Shinn, E.A., **Lidz, B.H.**, and Dustan, P., 1989, Impact Assessment of Exploratory Wells Offshore South Florida: U.S. Department of Interior, Minerals Management Service, Gulf of Mexico OCS Region, OCS Study MMS 89-0022, 111 p. (*invited*).
- (34) Shinn, E.A., **Lidz, B.H.**, and Holmes, C.W., 1990, High-energy carbonate sand accumulation, The Quicksands, southwest Florida Keys: *Journal of Sedimentary Petrology*, v. 60, no. 6, p. 952-967.
- (35)I Shinn, E.A., Dustan, P., Kindinger, J.L., **Lidz, B.H.**, and Hudson, J.H., 1990, Methods for measurement of exploratory well impacts, offshore Florida, *in* Jaap, W.C., ed., Proceedings, American Academy of Underwater Sciences Tenth Annual Scientific Diving Symposium, p. 323-326 (*invited*).
- (36)I Shinn, E.A., **Lidz, B.H.**, and Dustan, P., 1990, Impact of exploratory wells, offshore Florida: U.S. Geological Survey Open-File Report 90-209. 21-minute video highlights results of 111-page report to Minerals Management Service (Pub. 33). (Requested and shown at 1990 Tobin Theater, AAPG Annual Meeting, and at 1991 Gulf Coast Association of Geological Societies Annual Meeting; portion used on local television news program) (*invited*).
- (37) Shinn, E.A., **Lidz, B.H.**, and Hine, A.C., 1991, Coastal evolution and sea-level history: Florida Keys: Proceedings, 12th Annual Gulf Coast Societies/SEPM Foundation Research Conference, Houston, TX, p. 237-239.
- (38) **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-margin model: *Geology*, v. 19, no. 2, p. 115-118.
- (39) **Lidz, B.H.**, and Shinn, E.A., 1991, Paleoshorelines, reefs, and a rising sea: South Florida, U.S.A: *Journal of Coastal Research*, v. 7, no. 1, p. 203-229.
- (40)I Dustan, P., **Lidz, B.H.**, and Shinn, E.A., 1991, Impact of exploratory wells, offshore Florida: a biological assessment: *Bulletin of Marine Science*, v. 48, no. 1, p. 183-225 (*invited*).
- (42) Steinen, R.P., Swart, P.K., Shinn, E.A., and **Lidz, B.H.**, Aragonitic lime mud on the Great Bahama Bank: calcareous green algae didn't do it: Submitted to *Geology* (Director's approval 11/30/90).
- (42) Shinn, E.A., **Lidz, B.H.**, and Hine, A.C., 1991, Coastal evolution and sea-level history: Florida Keys: *in* Coastal Depositional Systems in the Gulf of Mexico: Quaternary Framework and Environmental Issues: 12<sup>th</sup> Annual Research Conference, Gulf Coast Section, Society of Economic Paleontologists and Mineralogists Foundation, Program with Extended and Illustrated Abstracts, p. 237-239.
- (43) Shinn, E.A., **Lidz, B.H.**, and Holmes, C.W., 1991, High-energy carbonate-sand accumulation, The Quicksands, southwest Florida Keys-reply: *Journal of Sedimentary Petrology*, v. 61, no. 5, p. 861-862.
- (44) Hudson, J.H., Halley R.B., Joseph, A.J., **Lidz, B.H.**, and Schroeder, D., 1991, Long-term thermograph records from the upper Florida Keys: U.S. Geological Survey Open-File Report 91-344, 110 p.
- (45) **Lidz, B.H.**, 1992, Biostratigraphic dating of late Neogene sedimentation on the western shelf, Great Bahama Bank: U.S. Geological Survey Open-File Report 92-508, 126 p.
- (46)I Shinn, E.A. and **Lidz, B.H.**, 1992, Impacts of offshore drilling in the eastern Gulf of Mexico: Offshore Technology Conference, OTC 6871, p. 517-524 (*invited*).
- (47)I Shinn, E.A., **Lidz, B.H.**, and Reich, C.D., 1993, Habitat impacts of offshore drilling: eastern Gulf of Mexico: OCS Study MMS 93-0021, U.S. Dept. of the Interior, Minerals Management Service. Gulf of Mexico OCS Region, New Orleans, La., 73 p. (*invited*).
- (48)I Shinn, E.A., **Lidz, B.H.**, and Reich, C. D., 1994, Habitat impacts of offshore drilling: eastern Gulf of Mexico: U.S. Geological Survey Open-File Report 94-130. 12-minute video documentary highlights results of 73-page report to Minerals Management Service (Pub. 47) (*invited*).

- (49)I **Lidz, B.H.**, and Bralower, T.J., 1994, Microfossil biostratigraphy of prograding Neogene platform-margin carbonates, Bahamas: Age constraints and alternatives: *Marine Micropaleontology*, v. 23, no. 4, p. 265-344 (*invited*).
- (50)I **Lidz, B.H.** and McNeill, D.F., 1995, Deep-sea biostratigraphy of prograding platform margins (Neogene, Bahamas): Key evidence linked to depositional rhythm: *Marine Micropaleontology*, v. 25, no. 2/3, p. 87-125 (*invited*).
- (51)I **Lidz, B.H.**, 1995, A Tribute to Cesare Emiliani - Eminent Scholar, Professor, and Friend: *Marine Micropaleontology*, v. 25, no. 4, p. 219-220 (*invited*).
- (52)I **Lidz, B.H.**, and McNeill, D.F., 1995, Reworked Paleogene to early Neogene planktic foraminifera: Implications of an intriguing distribution at a late Neogene prograding margin, Bahamas: *Marine Micropaleontology*, v. 25, no. 4, p. 221-268 (*invited*).
- (53)I **Lidz, B.H.**, 1995, In Memoriam: Cesare Emiliani (1922-1995): North American Micropaleontology Section, SEPM, Newsletter, v. 16, no. 2, p. 14 (*invited*).
- (54)I **Lidz, B.H.**, 1996, Memorial to Cesare Emiliani (1922-1995): *Earth-Science Reviews*, v. 40, no. 1/2, p. 1-2 (*invited*).
- (55) Cockey, E., Hallock, P., and **Lidz, B.H.**, 1996, Decadal-scale changes in benthic foraminiferal assemblages off Key Largo, Florida: *Coral Reefs*, v. 15, no. 4, p. 237-248.
- (56) **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 windward margin, U.S.A.: *Journal of Coastal Research*, v. 13, no. 3, p. 711-731.
- (57) **Lidz, B.H.**, Shinn, E.A., Hansen, M.E., Halley, R.B., Harris, M.W., Locker, S.D., and Hine, A.C., 1997, USGS Investigative Series Map #I-2505, 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 (3 descriptive and interpretive sheets with aerial photomosaic).
- (58) Prager, E., Shinn, G., **Lidz, B.**, and Halley, R., 1997, Coral Death—Human Influence or Nature’s Way? People, Land, & Water, U.S. Department of the Interior News, v. 4, no. 6, p. 8.
- (59) **Lidz, B.H.**, 1997, Fragile Coral Reefs of the Florida Keys: Preserving the Largest Reef Ecosystem in the Continental U.S.: U.S. Geological Survey Open-File Report 97-453, 5 p.
- (60)I **Lidz, B.H.**, and McNeill, D.F., 1998, New allocyclic dimensions in a prograding carbonate bank: Evidence for eustatic, tectonic, and paleoceanographic control (late Neogene, Bahamas): *Journal of Sedimentary Research*, v. 68, no. 2, p. 269-282. (Contribution 95%)
- (61) Guertin, L.A., McNeill, D.F., **Lidz, B.H.**, and Cunningham, K.J., 1999, Chronologic model and transgressive-regressive signatures in the late Neogene siliciclastic foundation (Long Key Formation) of the Florida Keys: *Journal of Sedimentary Research*, v. 69, no. 3, p. 653-666. (Contribution 30%)
- (62) **Lidz, B.H.**, 2000, Bedrock Beneath Reefs: the Importance of Geology in Understanding Biological Decline in a Modern Ecosystem: U.S. Geological Open-File Report 00-046, 4 p, 1 plate.
- (63) **Lidz, B.H.**, 2000, Reefs, Corals, and Carbonate Sands: Guides to Reef-Ecosystem Health and Environment: U. S. Geological Survey Open-File Report 00-164, 6 p, 1 plate.
- (64) **Lidz, B.H.**, and Hallock, P., 2000, Sedimentary petrology of a declining reef ecosystem, Florida reef tract (U.S.A.): *Journal of Coastal Research*, v. 16, no. 3, p. 675-697. (Contribution 70%)
- (65)I McNeill, D.F., Eberli, G.P., **Lidz, B.H.**, Swart, P.K., and Kenter, J.A.M., 2001, Chronostratigraphy of prograding carbonate platform margins: A record of dynamic slope sedimentation, Western Great Bahama Bank, in Ginsburg, R.N., ed., *Subsurface Geology of a Prograding Carbonate Platform Margin, Great Bahama Bank: Results of the Bahamas*

- Drilling Project. Society for Sedimentary Geology, SEPM Special Publication No. 70, p. 101-134 (*invited*). (Contribution 40%)
- (66) **Lidz, B.H.**, 2002, Tiny Windows to Environmental Change: The Fascinating World of Microfossils: U.S. Geological Survey Open-File Report 02-192, 8 p.
- (67) **Lidz, B.H.**, 2002, Chemical Pollutants and Toxic Effects on Benthic Organisms, Biscayne Bay: A Pilot Study Preceding Florida Everglades Restoration: U.S. Geological Survey Open-File Report 02-308, 4 p.
- (68)<sup>I3</sup> **Lidz, B.H.**, Robbin, D.M., and Shinn, E.A., 2002, Holocene sediment thickness and facies distribution, Looe Key National Marine Sanctuary, Chapter 4 in Bohnsack, J.A., Cantillo, A.Y., and Bello, M.J., eds., Resource Survey of Looe Key National Marine Sanctuary 1983, p. 55-89 (CD-ROM published in three 348-page series): (Contribution 80%)
- I** NOAA Proceedings: NOAA Technical Memorandum NOS NCCOS CCMA 160 (*invited*).
  - I** National Marine Fisheries Service: NOAA NMFS-SEFSC-478, LISD 2002-8 (*invited*).
  - I** NOAA Library: NOAA/NOS National Centers for Coastal Ocean Science, Silver Spring, MD (*invited*).
- (69) Peery, G.M., **Lidz, B.H.**, and Wiese, D.S., 2002, Archive of seismic reflection data collected during USGS cruise 97KEY01, upper and middle Florida Keys, 12 October-1 November 1997: U.S. Geological Survey Open-File Report 02-421 (2 CD-ROMs). (Contribution 90%)
- (70)**I** Hallock, P., **Lidz, B.H.**, Cockey-Burkhard, E.M., and Donnelly, K.B., 2003, Foraminifera as bioindicators in coral reef assessment and monitoring: The FORAM Index: Environmental Monitoring and Assessment (international journal), v. 81, no. 1-3, p. 221-238 (*invited*). (Contribution 80%)
- (71)**I** Hallock, P., **Lidz, B.H.**, Cockey-Burkhard, E.M., and Donnelly, K.B., 2003, Foraminifera as bioindicators in coral reef assessment and monitoring: The FORAM Index: book chapter in Melzian, B.D., Engle, V., McAlister, M., and Sandhu, S., eds., Coastal Monitoring Through Partnerships, Proceedings of the Fifth Symposium on the Environmental Monitoring and Assessment Program (EMAP), Kluwer Academic Publishers, Dordrecht/Boston/London, p. 221-238 (*invited*). (Contribution 50%)
- (72) **Lidz, B.H.**, Reich, C.D., and Shinn, E.A., 2003, Regional Quaternary submarine geomorphology in the Florida Keys: Geological Society of America Bulletin, v. 115, no. 7, p. 845-866, plus oversize color plate of Pleistocene topographic and Holocene isopach maps. (Contribution 90%)
- (73) Shinn, E.A., Reich, C.D., Hickey, T.D., and **Lidz, B.H.**, 2003, Staghorn tempestites in the Florida Keys: Coral Reefs, v. 22, no. 2, p. 91-97. (Contribution 20%)
- (74) **Lidz, B.H.**, 2004, Coral reef complexes at an atypical windward platform margin: Late Quaternary, southeast Florida: Geological Society of America Bulletin, v. 116, no. 7, p. 974-988.
- (75) **Lidz, B.H.**, 2005, Mapping Benthic Ecosystems and Environments in the Florida Keys: U.S. Geological Survey Open-File Report 2005-1003, 8 p.
- (76) **Lidz, B.H.**, Reich, C.D., Peterson, R.A., and Shinn, E.A., 2006, New maps, new information: Coral reefs of the Florida Keys: Journal of Coastal Research, v. 22, no. 2, p. 260-282 (*manuscript accepted same day as submitted without journal review*). (Contribution 80%)
- (77) **Lidz, B.H.**, 2006, Pleistocene corals of the Florida Keys: Architects of imposing reefs— Why? Journal of Coastal Research, v. 22, no. 4, p. 750-759 (*manuscript accepted within 4 days of submission, without journal review*).
- (78) **Lidz, B.H.**, Reich, C.D., and Shinn, E.A., 2007, Systematic Mapping of Bedrock and Habitats along the Florida Reef Tract: Central Key Largo to Halfmoon Shoal (Gulf of Mexico): U.S. Geological Survey Professional Paper PP 1751, available online at <http://pubs.usgs.gov/pp/2007/1751> (300+ single-spaced hardcopy pages). (Contribution 90%)
- (79) Carnahan, E.A, Hoare, A.M., Hallock, P., **Lidz, B.H.**, and Reich, C.D., 2008, Distribution of heavy metals and foraminiferal assemblages in sediments in Biscayne Bay, Florida, USA: Journal of Coastal Research, v. 24, no. 1, p. 159-

169. (Contribution 10% as committee member)

- (80)I **Lidz, B.H.**, Shinn, E.A., Hudson, J.H., Multer, H.G., Halley, R.B., and Robbin, D.M., 2008, Controls on late Quaternary coral reefs of the Florida Keys, *in* Riegl, B.M., and Dodge, R.E. (eds.), *Coral Reefs of the USA*, Volume 1 of *Coral Reefs of the World 1*: Springer Science + Business Media B.V., chapter 2, p. 9-74 (*invited*). (Contribution 95%)
- (81)I Shinn, E.A., Ogden, J.C., **Lidz, B.H.**, and Keller, B., 2008, Shifting Baselines of the Florida Keys National Marine Sanctuary: Published in cooperation with the University of South Florida St. Petersburg, Florida Institute of Oceanography, U.S. Geological Survey, Florida Keys Marine Lab, and National Oceanic and Atmospheric Administration Office of National Marine Sanctuaries; available from co-authors as a brochure, and online at [http://www.sanctuaryfriends.org/news\\_display.cfm?newsid=69](http://www.sanctuaryfriends.org/news_display.cfm?newsid=69). (*invited*). (Contribution 60%)
- (82) **Lidz, B.H.**, Brock, J.C., and Nagle, D.B., 2008, Utility of shallow-water ATRIS images in defining biogeologic processes and self-similarity in skeletal Scleractinia, Florida reefs: *Journal of Coastal Research*, v. 24, no. 5, p. 1320-1338. (Contribution 90%)
- (83) Carnahan, E.A., Hoare, A.M., Hallock, P., **Lidz, B.H.**, and Reich, C.D., 2009, Foraminiferal assemblages in Biscayne Bay, USA: Responses to urban and agricultural contamination in a subtropical estuary: *Marine Pollution Bulletin*, v. 59, p. 221-233. Also available at <http://dx.doi.org/10.1016/j.marpolbul.2009.08.008>. (Contribution 10% as committee member).
- (84) Hart, K.M., Zawada, D.G., Fujisaki, I., and **Lidz, B.H.**, 2010, Inter-nesting habitat-use patterns of loggerhead sea turtles: Enhancing satellite tracking with benthic mapping: *Aquatic Biology*, v. 77, p. 77-90, doi: 10.3354/ab00296, and available online at [http://www.int-res.com/articles/ab\\_oa/b011p077.pdf](http://www.int-res.com/articles/ab_oa/b011p077.pdf).
- (85)I **Lidz, B.H.**, 2011, Coral reefs of the Florida Keys: Late Quaternary stratigraphy, *in* Holmes, C.W., and Buster, N.A. (eds.), *Gulf of Mexico Origin, Waters, and Biota*, Volume 3, *Geology*: Texas A&M University Press, College Station, p. 299-329 (*invited*).
- (86)I **Lidz, B.H.**, 2011, Florida Keys, *in* Hopley, D., (ed.), *Encyclopedia of Modern Coral Reefs: Structure, Form, and Process*: Springer Science + Business Media B.V. 2011, p. 406-415 (*invited*).
- (87)I **Lidz, B.H.**, 2011, Calcrete/caliche, *in* Hopley, D., (ed.), *Encyclopedia of Modern Coral Reefs: Structure, Form, and Process*: Springer Science + Business Media B.V. 2011, p. 180-181 (*invited*).
- (88)I **Lidz, B.H.**, 2011, Porosity variability in limestone sequences, *in* Hopley, D. (ed.), *Encyclopedia of Modern Coral Reefs: Structure, Form, and Process*: Springer Science + Business Media B.V. 2011, p. 821-822 (*invited*).
- (89)I Shinn, E.A., and **Lidz, B.H.**, 2011, Airborne dust impacts, *in* Hopley, D. (ed.), *Encyclopedia of Modern Coral Reefs: Structure, Form, and Process*: Springer Science + Business Media B.V. 2011, p. 16-18 (*invited*).
- (90) Hart, K.M., Zawada, D.G., Fujisaki, I., and **Lidz, B.H.**, Inter-nesting habitat-use patterns for threatened loggerhead sea turtles: Choosing the path of least resistance: *Marine Ecology Progress Series*.

**b. REPORTS ACCEPTED FOR PUBLICATION** (Provide citation, with number of manuscript pages, publication outlet, and status. Reports must at least have Director's approval. Status of the publication, such as accepted for publication or in press, must be supported by appropriate documentation.)

- (91) Miller, S.L., Shinn, E.A., and **Lidz, B.H.**, (in press), Corals: The building blocks of reefs, *in* Krucynski, W.L., and Fletcher, P.J. (eds.), *Tropical Treasures: Facts about South Florida's Marine Environments*: SeaCamp, Inc., Publisher, Big Pine Key, Fla. (*invited*).
- (92) **Lidz, B.H.**, (in press), Sand grains: Indicators of coral status, *in* Gallagher, D. (ed), *The Florida Keys Environmental Story*: SeaCamp, Inc., Publisher, Big Pine Key, Fla. (*invited*).
- (93) **Lidz, B.H.**, (in press), Outlier reefs off the Florida Keys, *in* Gallagher, D. (ed), *Florida Keys Environmental Story*:

SeaCamp, Inc., Publisher, Big Pine Key, Fla. (*invited*).

- (94) **Lidz, B.H.**, (in press), Maps of the Shallow Shelf off the Florida Keys (Subsurface Bedrock Topography, Overlying Reefs and Sediments, Benthic Habitats), *in* Gallagher, D. (ed), The Florida Keys Environmental Story: SeaCamp, Inc., Publisher, Big Pine Key, Fla. (*invited*). (Director's approval 7/28/10)
- (95) **Lidz, B.H.**, and Zawada, D.G., Seabed Classification Reveals Harbingers of Potential Coral Reef Recovery: Pulaski Shoal, Dry Tortugas National Park (in prep.)

### Maps:

- (1) **Lidz, B.H.**, Shinn, E.A., Hansen, M.E., Halley, R.B., Harris, M.W., Locker, S.D., and Hine, A.C., 1997, USGS Investigative Series Map #I-2505, 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 (3 descriptive and interpretive sheets with aerial photomosaic). Because corals are important hard-rock framework builders, significant biologic sources of beach sand, essential barriers to high-energy surf conditions generated by storms and hurricanes, and because reefs are of intrinsic aesthetic value and harbor nurseries of endangered species, the maps are used as educational and logistical management and monitoring tools by Federal, State, Sanctuary and local agencies. **Impacts:** Widely sought locally by scientists and citizenry, these maps form an important initial component of a long-term goal to integrate all past and present factors inherent to the ecosystem into a single digitized database source. The envisioned database will assist management in preserving marine resources and formulating predictive models. The maps are guides sought by international reef researchers and are of particular interest to those working in the Pacific.
- (2) **Lidz, B.H.**, Reich, C.D., and Shinn, E.A., 2007, Systematic Mapping of Bedrock and Habitats along the Florida Reef Tract: Central Key Largo to Halfmoon Shoal (Gulf of Mexico): U.S. Geological Survey Professional Paper 1751. Website (<http://pubs.usgs.gov/pp/2007/1751>) designed for the public and policymakers as well as scientists constitutes the single digitized database source envisioned in 1997. The products showcase highly detailed, digitized regional maps of bedrock topography, Holocene reef/sediment thickness, sedimentary petrology of surface sediments in 1989, and benthic habitats and environments. The maps and cross-sectional shelf-edge models are parts of a synthesis of USGS and non-USGS research in an ~3,141-km<sup>2</sup> contiguous area of the reef tract off the Florida Keys. The datasets and text tell how the Florida shelf developed over the past 325,000 years.
- (3) **Lidz, B.H.**, Reich, C.D., Peterson, R.L., and Shinn, E.A., 2007, Giant (7 ft by 22 ft) poster of benthic habitat map of the Florida Keys, requested by the University of South Florida (USF), adorns a wall at the USF Marine Science Center, St. Petersburg. Map is derived from interpretation of aerial photomosaics.

### Videos:

- (1) Shinn, E.A., **Lidz, B.H.**, and Dustan, P., 1990, Impact of exploratory wells, offshore Florida: U.S. Geological Survey Open-File Report 90-209. 21-minute video highlights results of 111-page report to Minerals Management Service (Pub. 33). **Impacts:** video requested by and shown at 1990 Tobin Theater, AAPG Annual Meeting, and at 1991 Gulf Coast Association of Geological Societies Annual Meeting; portion used on local television news program.

### Websites:

- (1) **Lidz, B.H.**, Editor, 1999-2001; Contributing Editor, 2002-present, Bureau-wide newsletter *Sound Waves*: <http://soundwaves.usgs.gov/>
- (2) **Lidz, B.H.**, 2002, Fragile Coral Reefs of the Florida Keys: Preserving the Largest Reef Ecosystem in the Continental U.S. <http://sofia.usgs.gov/publications/ofr/97-453/print.html>
- (3) **Lidz, B.H.**, 2002, Bedrock Beneath Reefs: the Importance of Geology in Understanding Biological Decline in a Modern Ecosystem: <http://pubs.usgs.gov/of/2000/of00-046/>
- (4) **Lidz, B.H.**, 2002, Reefs, Corals, and Carbonate Sands: Guides to Reef-Ecosystem Health and Environments: <http://pubs.usgs.gov/of/2000/of00-164/>
- (5) **Lidz, B.H.**, 2002, Tiny Windows to the Past: the Fascinating World of Microfossils: <http://pubs.usgs.gov/of/2002/of02-192/>
- (6) **Lidz, B.H.**, 2002, Chemical Pollutants and Toxic Effects on Benthic Organisms, Biscayne Bay, Florida: <http://coastal.er.usgs.gov/biscayne-forams/>
- (7) **Lidz, B.H.**, and Hallock, P., 2002, Sedimentary Petrology of a Declining Reef Ecosystem, Florida Reef Tract (U.S.A): <http://sofia.usgs.gov/publications/papers/sedpetro/index.html/>
- (8) **Lidz, B.H.**, and Rose, P.R., 2002, Diagnostic Foraminiferal Assemblages of Florida Bay and Adjacent Shallow Waters:

A Comparison: [http://sofia.usgs.gov/publications/papers/foram\\_assemblages/](http://sofia.usgs.gov/publications/papers/foram_assemblages/)

- (9) **Lidz, B.H.**, Robbin, D.M., and Shinn, E.A., 2002, Holocene sediment thickness and facies distribution, Looe Key National Marine Sanctuary, Florida, chapter 4 *in* Bohnsack, J.A., Cantillo, A.Y., and Bello, M.J., eds., Resource Survey of Looe Key National Marine Sanctuary 1983: NOAA Technical Memorandum NOS NCCOS CCMA 160; NOAA Technical Memorandum NMFS-SEFSC-478; NOAA LISD Current References 2002-8. NOAA/NOS National Centers for Coastal Ocean Science, Silver Spring, MD. 340 pp. <http://www.aoml.noaa.gov/general/lib/cedardoc.html>
- (10) **Lidz, B.H.**, Reich, C.D., and Shinn, E.A., 2007, Systematic Mapping of Bedrock and Habitats along the Florida Reef Tract: Central Key Largo to Halfmoon Shoal (Gulf of Mexico): U.S. Geological Survey Professional Paper PP 1751 (300+ single-spaced hardcopy pages: CD-ROM and online at <http://pubs.usgs.gov/pp/2007/1751> (See also SECTION 19, Pub #78 Impacts, p. 28).
- (11) Shinn, E.A., Ogden, J.C., **Lidz, B.H.**, and Keller, B., 2008, Shifting Baselines of the Florida Keys National Marine Sanctuary: Published in cooperation with the University of South Florida-St. Petersburg, Florida Institute of Oceanography, U.S. Geological Survey, Florida Keys Marine Lab, and National Oceanic and Atmospheric Administration Office of National Marine Sanctuaries; available from co-authors as a brochure, and online at [http://www.sanctuaryfriends.org/news\\_display.cfm?newsid=69](http://www.sanctuaryfriends.org/news_display.cfm?newsid=69).
- (3) **I Lidz, B.H.**, 1997, articles *in* Gallagher, D., Causey, B.D., Gato, J., and Viele, J., eds., The Florida Keys Environmental Story, A Panorama of the Environment, Culture and History of Monroe County, Florida: Seacamp Association, Inc., publisher, Big Pine Key, Fla., 372 p. Supported by a grant from the Florida Department of Education and the Florida Legislature. The peer-reviewed book was written as a reference book on South Florida, covering the Everglades, Florida Bay, the Florida Keys and reef tract, and was designed so that teachers could read portions during a break and go back into the classroom prepared to teach about the subject. **Impacts:** all Monroe County classrooms and many other West and South Florida teachers attending workshops in the lower Keys have received copies of the book, which is also available to parents, residents, and visitors in local book stores. As of 2002, the book remains at the top of the teachers' list as a widely used source of scientific information for K-12 teachers. Articles by **Lidz** are:
- What Does Sand Tell Us About Coral Reefs?, p. 8 (Pubs. 63-64, Abs. 43) (*invited*).
  - Outlier Reefs, p. 10-11 (Pubs. 38, 56, 72-73, Abs. 19) (*invited*).
  - New Tools for Ecosystem Management - Seismic Profile Topography Maps, p. 258 (Pubs. 57, 71-73) (*invited*).

**Papers in Conference Proceedings: I = Invited**

- Shinn, E.A., Hudson, J.H., Halley, R.B., and **Lidz, B.**, 1977, Topographic control and accumulation rate of some Holocene coral reefs--South Florida and Dry Tortugas: Proceedings, International Coral Reef Symposium, 3rd, v. 2 - Geology, p. 1-8.
- Halley, R.B., Shinn, E.A., Hudson, J.H., and **Lidz, B.**, 1977, Recent and relict topography of Boo Bee Patch Reef, Belize: Proceedings, International Coral Reef Symposium, 3rd, v. 2 - Geology, p. 29-36.
- Shinn, E.A., Hudson, J.H., Robbin, D.M., and **Lidz, B.**, 1981, Spurs and grooves revisited--construction versus erosion, Looe Key Reef, Florida: Proceedings, International Coral Reef Symposium, 4th, Manila, Philippines, v. 1, p. 475-483.
- I** Shinn, E.A., Robbin, D.M., **Lidz, B.H.**, and Hudson, J.H., 1983, Influence of deposition and early diagenesis on porosity and chemical compaction in two Paleozoic buildups--Mississippian and Permian age rocks in the Sacramento Mountains, New Mexico, *in* Harris, P.M., ed., Carbonate Buildups - A Core Workshop: Society of Economic Paleontologists and Mineralogists Annual Meeting, Core Workshop No. 4, Dallas, April 1983, p. 182-222 (*invited*).
- I** Shinn, E.A., **Lidz, B.H.**, Kindinger, J.L., Hudson, J.H., and Halley, R.B., 1989, A Field Guide: Reefs of Florida and the Dry Tortugas: IGC Field Trip T176, International Geological Congress, American Geophysical Union, Wash., D.C. 53 p. (*invited*).

- 6.I Shinn, E.A., Dustan, P., Kindinger, J.L., **Lidz, B.H.**, and Hudson, J.H., 1990, Methods for measurement of exploratory well impacts, offshore Florida, *in* Jaap, W.C., ed., Proceedings, American Academy of Underwater Sciences Tenth Annual Scientific Diving Symposium, p. 323-326 (*invited*).
7. Shinn, E.A., **Lidz, B.H.**, and Hine, A.C., 1991, Coastal evolution and sea-level history: Florida Keys: Proceedings, 12th Annual Gulf Coast Societies/SEPM Foundation Research Conference, Houston, TX, p. 237-239.
8. Shinn, E.A., **Lidz, B.H.**, and Hine, A.C., 1991, Coastal evolution and sea-level history: Florida Keys, *in* Coastal Depositional Systems in the Gulf of Mexico: Quaternary Framework and Environmental Issues: 12th Annual Research Conference, Gulf Coast Section, Society of Economic Paleontologists and Mineralogists Foundation, Program with Extended and Illustrated Abstracts, p. 237-239.
- 9.I Shinn, E.A. and **Lidz, B.H.**, 1992, Impacts of offshore drilling in the eastern Gulf of Mexico: Offshore Technology Conference, OTC 6871, p. 517-524 (*invited*).
10. **Lidz, B.H.**, and Hallock, 1998, Skeletal grains in the Florida Keys—Proxy indicators for reef vitality and new evidence of reef decline: American Association of Petroleum Geologists, Extended Abstracts, v. 2 (K-Z), A403, p. 1-4.
11. Hine, A.C., Locker, S.D., Jarrett, B., Shinn, E.A., Halley, R.B., **Lidz, B.H.**, and Neumann, A.C., 2001, Reef edifices on the Florida Platform: An emerging complex distribution: Geological Society of America, Abstracts with Programs, v. 33, no. 6, p. A-407.
- 12.I **Lidz, B.H.**, Robbin, D.M., and Shinn, E.A., 2002, Holocene sediment thickness and facies distribution, Looe Key National Marine Sanctuary, *in* Bohnsack, J.A., Cantillo, A.Y., and Bello, M.J., eds., Resource Survey of Looe Key National Marine Sanctuary 1983: Proceedings, NOAA Technical Memorandum NOS NCCOS CCMA 160, p. 55-89 (*invited*).
- 13.I Hallock, P., **Lidz, B.H.**, Cockey-Burkhard, E.M., and Donnelly, K.B. 2003, Foraminifera as bioindicators in coral reef assessment and monitoring: The FORAM Index: book chapter *in* Melzian, B.D., Engle, V., McAlister, M., and Sandhu, S., eds., Coastal Monitoring Through Partnerships, Proceedings of the Fifth Symposium on the Environmental Monitoring and Assessment Program (EMAP), Kluwer Academic Publishers, Dordrecht/Boston/London, p. 221-238 (*invited*).
- 14.I Carnahan, E.A., Hoare, A.M., Hallock, P., **Lidz, B.H.**, and Reich, C.D., 2007, Response of foraminiferal assemblages to pollution sources in a subtropical estuary, Biscayne Bay, Florida, USA: 5<sup>th</sup> International Conference on Environmental Micropaleontology, Microbiology, and Meiobenthology (EMMM 2008), University of Madras, Chennai, India, February 17 - 25, 2008.