

CURRICULUM VITAE

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Institute for Sustainability Studies
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EDUCATION:

Ph.D., Marine and Environmental Science, Florida State University, 1975
M.S., Zoology, Rutgers University, 1969
B.A., Biology, Hofstra University, 1966

RESEARCH INTERESTS:

Coastal and salt marsh ecology, sustainability science, finfish early life history, secondary production, restoration ecology, ecotoxicology

PROFESSIONAL EXPERIENCE:

2009 Director, Institute for Sustainability Studies, Montclair State University
2008 President Emeritus, New Jersey Marine Sciences Consortium
1996-2008 President/CEO New Jersey Marine Sciences Consortium, Director, *New Jersey Sea Grant College Program*
2004-present Visiting Professor, Tianjin University of Science and Technology, Tianjin, Peoples Republic of China.
1996-2008 Visiting Scholar, Institute of Marine and Coastal Sciences, Rutgers University
2004-2008 Visiting Professor, Montclair State University, Department of Earth and Environmental Sciences
1977 - 1996 Environmental Consulting:
TEVA Environmental Associates, Inc., President & Principal Owner
Breedlove, Dennis & Associates, Inc., Vice President, ECO Operations
Ebasco Environmental Inc., Manager – Environmental Sciences Division
Lawler, Matusky & Skelly Engineers, Director -Environmental Sciences
1979 - 1984 Assistant Professor of Biology, Virginia Commonwealth University
Associate Research Faculty, Virginia Institute of Marine Sciences

1975 - 1976 Senior Scientist, Marco Marine Ecology Station
1970 - 1975 Research Assistant, Florida State University

Courses Taught: Science and Management of Coastal Ecosystems, Ecology and Management of Polluted Coastal Waters, Estuarine Ecology, Marine Ecology, Topics in Oceanography, Population Biology, Biology of Polluted Waters, Ichthyology, Vertebrate Natural History, and General Biology

AWARDS AND RECOGNITIONS

Educator of the Year, Research & Development Council of New Jersey 2008
Governor's Environmental Excellence Award, 2006
Marquis Who's Who in America, 2005-present
Spirit Award, Coastal America 2005
Silver Gull Award, *Coast Day NJ*, Monmouth Ocean Development Council, 2005
Governor's Tourism Award, *Coast Day NJ*, 2004
Environmental Quality Award, *A Partnership for Learning*, USEPA, Region II, 2000
Nomination, Best Paper Award, 2000, *Transactions of the American Fisheries Society*
Who's Who Among Professionals and Executives - 1997

ADVISORY APPOINTMENTS & ROLES

Audit Panel Expert, Singapore-Delft Water Alliance (SDWA), Delft, The Netherlands.
Advisor, State Oceanic Administration – Tianjin Municipal Government, Tianjin Binhai New Area (Bohai Base), 11th Five-Year Plan, People's Republic of China.
Congress, Renewable Natural Resources Foundation. Invited Delegate - *Building Capacity for Coastal Solutions*, Washington, DC, 2004
U.S.-Japan Cooperative Program in Natural Resources (UJNR)/Coastal Environmental Science & Technology Panel (CEST), *Functional Restoration/Recovery of Coastal Ecosystems*, Yokosuka, Kanagawa Prefecture, Japan, 17-19 July 2002.
The National Academies, National Research Council, *Steering Committee/Session Chair*, *Environmental Windows for Dredging Projects*. National Academy of Science, Washington, DC.
National Working Group, Development of a *National Strategy for Coastal Habitat Restoration*, Estuarine Habitat Restoration Act, implementation phase.
Governor's Tourism Advisory Council, January 1998-2001.
Science, Technology and Engineering Advisory Board, Monmouth University, 1998-Present.
The Jersey Shore Partnership, Board of Directors, 1998-present
Governor's Task Force, Dredged Materials Management, June 1997.

EDITORIAL BOARDS

Restoration Ecology, 2004-2006
Transactions American Fisheries Society, 1983 - 1984.

PROFESSIONAL ASSOCIATIONS:

American Association for the Advancement of Science
American Fisheries Society
Coastal and Estuarine Research Federation

REFEREED PUBLICATIONS

- Feng, H. , H. Zhao, Q. Li, X. Wang, **M.P. Weinstein**, J. Tao, Q. Zhang, W. Zhang, and L. Yu.
Organic contaminant concentrations in sediments of western Bohai Bay and adjacent estuaries, Tianjin, China. (in preparation)
- Hongtao, N., D. Yuan, H. Feng, J. Tao, and **M.P. Weinstein**. (in preparation). Numerical modeling of sediment transport in western Bohai Bay and Port of Tianjin.
- Litvin, S.Y., **M.P. Weinstein**, and V.G. Guida (submitted). Habitat specific energy density and biochemical condition of juvenile weakfish (*Cynoscion regalis*) in the Delaware Bay Estuary, USA. *Mar. Ecol. Prog. Ser.*
- Feng, H. H. Jiang, W. Gao, **M.P. Weinstein**, Q. Zhang, W. Zhang, L. Yu⁴, D. Yuan, and J. Tao. (submitted). Heavy metal concentrations in sediments of Western Bohai Bay and its adjacent estuaries, Peoples's Republic of China. *Environ. Pollut.*
- Feng, H., W. Zhang, L. Jia, **M.P. Weinstein**, Q. Zhang, J. Tao and L. Yu . (submitted). ²¹⁰Pb and ⁷Be as tracers for sediment deposition in Western Bohai Bay, People's Republic of China. *Chinese J. Oceanol. Limnol.*
- Weinstein, M.P.** (submitted). The road ahead: the sustainability transition and coastal research. *Estuaries and Coasts*.
- Weinstein, M.P.**, S. Y. Litvin, and V.G. Guida (in press). Essential fish habitat and wetland restoration success: a Tier III approach to the biochemical condition of the common mummichog, *Fundulus heteroclitus* in common reed, *Phragmites australis* and smooth cordgrass, *Spartina alterniflora* dominated salt marshes. *Estuaries and Coasts*.
- Weinstein, M.P.**, S.Y. Litvin and V.G. Guida. (in press). Is global climate change influencing the overwintering distribution of weakfish (*Cynoscion regalis*, Bloch & Schneider), 1801)? *J. Fish. Biol.*
- Weinstein, M.P.** 2008. Ecological restoration and coastal management: placing people in the landscape. *J. Applied Ecol.* 45: 296-304.
- Weinstein, M.P.** 2007. Linking restoration ecology and ecological restoration in estuarine landscapes. *Estuaries and Coasts* 30: 365-370.
- Weinstein, M.P.** et al. 2007. Managing coastal resources in the 21st century. *Front. Ecol. Environ.* 5: 43-48.
- Weinstein, M. P.** 2005. Managing coastal growth in the 21st century: sustainability science and the paradox of the "dual mandate". pp. 218-226. *In*: H. Feng, L. Yu and W. Solecki (eds.). Urban Dimensions of Environmental Change: Science, Exposure, Policy, and Technologies. Science Press, USA Inc., Monmouth Junction, New Jersey.
- Weinstein, M.P.**, R.E. Turner and D.J. Reed. 2005. Prologue: Building sustainable coastal landscapes. *Rest. Ecol. J.* 13: 152-153.
- Weinstein, M.P.** and D.J. Reed. 2005. Sustainable coastal development: the dual mandate and a

- recommendation for “commerce managed areas”. *Rest. Ecol.* 13:174-182.
- Weinstein, M.P.**, S.Y. Litvin and V.G. Guida. 2005. Consideration of habitat linkages, estuarine landscapes and the trophic spectrum in wetland restoration design. *J. Coast. Res.* Special Issue 40:51-63.
- Downes-Gastrich, M., R. Lathrop, S. Haag, **M.P. Weinstein**, M. Danko, D.A. Caron, and R. Schaffner. 2004. Brown tide blooms, caused by *Aureococcus anophagefferens*, and contributing factors in New Jersey coastal bays: 2000-2002. *Harm. Algal Blooms.* 3:305-320.
- Litvin, S.Y., and **M.P. Weinstein**. 2004. Multivariate analysis of stable isotope ratios to infer movements and utilization of estuarine organic matter by juvenile weakfish (*Cynoscion regalis*). *Can. J. Fish. Aquat. Sci.* 61:1851-1861.
- Beck, M.W., K.L. Heck, Jr.,...**M.P. Weinstein**. 2003. The role of nearshore ecosystems as fish and shellfish nurseries. *Issues Ecol.* 11:1-12.
- Litvin, S.Y. and **M.P. Weinstein**. 2003. Life history strategies of estuarine nekton: the role of marsh macrophytes, microphytobenthos and phytoplankton in the trophic spectrum. *Estuaries* 26 (B): 553-653.
- Currin, C.A., S.C. Wainright, K.W. Able, **M.P. Weinstein** and C.M. Fuller. 2003. Determination of food web support and trophic position of the mummichog, *Fundulus heteroclitus*, in New Jersey smooth cordgrass (*Spartina alterniflora*), common reed (*Phragmites australis*), and restored salt marshes. *Estuaries* 26 (2B):495-510.
- Minello, T.J., K.W. Able, **M.P. Weinstein** and C. Hays. 2003. Salt marsh nurseries for nekton: testing hypotheses on density, growth and survival through meta-analysis. *Mar. Ecol. Prog. Ser.* 246:39-59.
- Weinstein, M.P.**, J.R. Keough, G.R. Gutenspergen and S.Y. Litvin. 2003. Preface. *Phragmites australis: A sheep in wolf's clothing?* *Estuaries* 26 (2B):397.
- Chapman, P.M., K.T. Ho, W. R. Munns, Jr., K. Solomon and **M.P. Weinstein**. 2002. Issues in sediment toxicity and ecological risk assessment. *Mar. Pollut. Bull.* 44:271-278.
- Weinstein, M.P. and L. L. Weishar. 2002. Beneficial use of dredged material to enhance the restoration trajectories of formerly diked lands. *Ecol. Engineer.* 19:187-201.
- Costa-Pierce, B.A. and **M.P. Weinstein**. 2002. Use of dredged materials for coastal restoration. *Ecol. Engineer.* 19:181-186.
- Teal, J.M. and **M.P. Weinstein**. 2002. Ecological engineering, design, and construction considerations for marsh restorations in Delaware Bay, USA. *Ecol. Engineer.* 18:607-618.
- Beck, M.W., K.L. Heck, Jr., ...**M.P. Weinstein**...2001. Towards better identification, conservation and management of estuarine and marine nurseries. *Bioscience* 51:633-641.
- Weinstein, M.P.**, J.M. Teal, J.H. Balletto and K.A. Strait. 2001. Restoration principles emerging from one of the world's largest tidal marsh restoration projects. *Wetlands Ecol. Manage.* 9:387-407.
- Weinstein, M.P.**, K.R. Philipp and P. Goodwin. 2000. Catastrophes, near-catastrophes and the bounds of expectation: wetland restoration on a macroscale. pp.777-804. *In: M.P. Weinstein and D.A. Kreeger (eds.). Concepts and controversies in tidal marsh ecology.* Kluwer. Academ. Publ., Dordrecht, The Netherlands.

- Weinstein, M.P.**, S.Y. Litvin, K.I. Bosley, C.M. Fuller and S.C. Wainright. 2000. The role of tidal salt marsh as an energy source for juvenile marine transient finfishes: a stable isotope approach. *Trans. Amer. Fish. Soc.* 129:797-810 (Nominated for Best Paper Award, 2000 volume of TAFS).
- Wainright, S.A., **M.P. Weinstein**, K.W. Able and C.A. Currin. 2000. Relative importance of benthic microalgae, phytoplankton and detritus of smooth cordgrass (*Spartina*) and the common reed (*Phragmites*) to brackish marsh food webs. *Mar. Ecol. Prog. Ser.* 200:77-91.
- Kreeger, D.A. and **M.P. Weinstein**. 2000. Preface. Special issue: Concepts and controversies in tidal marsh ecology. *Wetlands Ecol. Manag.* 8:77-78.
- Weinstein, M.P.** and J.H. Balletto. 1999. Does the common reed, *Phragmites australis* reduce essential habitat for fishes? *Estuaries* 22(3B):793-802.
- Weinstein, M.P.** 1998. What begets success? Pp.332-337. In D.F. Hayes (ed.). Wetlands Engineering and River Restoration. *Proc. Amer. Soc. Civil Engin. Conf.*, March 22-28, Denver, CO.
- Weinstein, M.P.** J.H. Balletto, J.M. Teal and D.F. Ludwig. 1997. Success criteria and adaptive management for a large-scale wetland restoration project. *Wetlands Ecol. Manag.* 4: 111-127.
- Iannuzzi, T., **M.P. Weinstein**, K. Sellner and J.C. Barrett. 1996. Habitat disturbance and marina development: an assessment of ecological effects. I. Changes in primary production due to dredging and marina construction. *Estuaries* 19 (2B):257-271.
- Szedlmayer, S.T., K.W. Able, A. Musick, and **M.P. Weinstein**. 1991. Are scale circuli deposited daily in juvenile weakfish, *Cynoscion regalis*? *Envir. Biol. Fish.* 31:87-94.
- Szedlmayer, S.T., **M.P. Weinstein** and J.A. Musick. 1990. Differential growth among cohorts of age-0 weakfish, *Cynoscion regalis*, in Chesapeake Bay. *Fish. Bull., U.S.* 88:745-752.
- Seigfried, R.C. II and **M.P. Weinstein**. 1989. Validation of daily increment deposition in the otoliths of spot (*Leiostomus xanthurus*). *Estuaries* 12:54-59.
- Heck, K.L. Jr. and **M.P. Weinstein**. 1989. Feeding habitats of juvenile reef fishes associated with Panamanian seagrass meadows. *Bull. Mar. Sci.* 45:629-636.
- Cadman, L.R. and **M.P. Weinstein**. 1988. Effects of temperature and salinity on the growth of laboratory-reared blue crabs, *Callinectes sapidus* Rathbun. *J. Exp. Mar. Biol. Ecol.* 121: 193-207.
- Lawler, J.P., **M.P. Weinstein**, H.Y. Chen, and T.L. Englert. 1988. Modeling of physical and behavioral mechanisms influencing recruitment of spot and Atlantic croaker to the Cape Fear Estuary. *Amer. Fish. Soc. Symp.* 3:115-131.
- Weinstein, M.P.**, D. Clark, and J. Pullen. 1988. Preface. Transport of larval fish and shellfish through coastal inlets. *Amer. Fish. Soc. Symp.* 3:1-3.
- Weinstein, M.P.** 1988. Epilogue. Transport of larval fish and shellfish through coastal inlets. *Amer. Fish. Soc. Symp.* 3:163-165.
- Lunsford, C.A., **M.P. Weinstein**, and L. Scott. 1987. Uptake of Kepone by the estuarine bivalve *Rangia cuneata*, during dredging of contaminated sediments in the James River, Virginia. *Water Res.* 21:441-416.
- O'Neil, S.P. and **M.P. Weinstein**. 1987. Feeding habits of spot (*Leiostomus xanthurus*) in polyhaline versus meso-oligohaline tidal creeks and adjacent shoals. *Fish. Bull. U.S.*

85:785-796.

- Weinstein, M.P.** and S.P. O'Neil. 1986. Exchange of marked juvenile spots between adjacent tidal creeks in the York River estuary, Virginia. *Trans. Amer. Fish. Soc.* 115 :93-97.
- Smith, S.M., J.G. Hoff, Jr., S.P. O'Neil and **M.P. Weinstein**. 1985. Community and trophic organization of nekton utilizing shallow marsh habitats, York River Estuary, Virginia. *Fish. Bull. U.S.* 82:455-467.
- Cadman, L.R. and **M.P. Weinstein**. 1985. Size-weight relationships of post-ecdysial juvenile blue crabs (*Callinectes sapidus* Rathbun) from the lower Chesapeake Bay. *J. Crust Biol.* 5:306-310.
- Weinstein, M.P.** 1985. Distributional ecology of fishes inhabiting warm-temperate and tropical estuaries: Community relationships and implications. pp. 285-310. In: A. Yanez-Arancibia (ed.). Fish community ecology in estuaries and coastal lagoons: toward an ecosystem integration. Univ. Nac. Auton. Mexico, Pub. Esp. Mexico City.
- Weinstein, M.P.**, L. Scott, S.P. O'Neil, R.C. Seigfried II and S.T. Szedlmayer. 1984. Population dynamics of spot, *Leiostomus xanthurus*, in polyhaline tidal creeks of the York River Estuary, Virginia. *Estuaries* 7:444-450.
- Weinstein, M.P.**, K.L. Heck, Jr., and R.J. Orth. 1984. Preface. Functional ecology of salt marshes and seagrass meadows: Toward an ecosystem synthesis. *Estuaries* 7:273-276.
- Weinstein, M.P.**, K.L. Heck, Jr., and R.J. Orth. 1984. Epilogue. Functional ecology of salt marshes and seagrass meadows: Toward an ecosystem synthesis. *Estuaries* 7:469-470.
- Weinstein, M.P.** and H.A. Brooks. 1983. Comparative ecology of nekton residing in a tidal creek and adjacent seagrass meadow: community composition and structure. *Mar. Ecol. Prog. Ser.* 12:15-27.
- Weinstein, M.P.** 1983. Population dynamics of an estuarine-dependent fish, the spot (*Leiostomus xanthurus*) along a tidal creek-seagrass meadow coenocline. *Can. J. Fish. Aquat. Sci.* 40:1633-1638.
- Thayer, G.W., D.R. Colby, M.A. Kjelson and **M.P. Weinstein**. 1982. Estimates of larval fish abundance: diurnal variation and influence of sampling gear and towing speed. *Trans. Amer. Fish. Soc.* 112:272-279.
- Weinstein, M.P.**, K.L. Heck, Jr., P.E. Giebel and J.E. Gates. 1982. The role of herbivory in pinfish (*Lagodon rhomboides*): a preliminary study. *Bull. Mar. Sci.* 32:791-795.
- Weinstein, M.P.** 1982. Commentary: A need for more experimental work in estuarine fisheries ecology. *Northeast Gulf Sci.* 5:59-64.
- Weinstein M.P.** and M.F. Walters. 1981. Growth, survival, and production of young-of-the-year spot *Leiostomus xanthurus* Lacepede, residing in tidal creeks. *Estuaries* 4: 185-197.
- Weinstein M.P.** 1981. Plankton productivity and the distribution of fishes on the southeastern U.S. continental shelf. *Science* 214:351-352.
- Weinstein M.P.** 1981. Biology of adult sciaenids. pp. 125-138. In: H. Clepper (ed.) Sciaenids: territorial sea demersal resources. Proc. 6th Ann. Mar. Fish Symp., Houston, Texas.
- Schwartz, F.J., W.T. Hogarth and **M.P. Weinstein**. 1981. Marine and freshwater fishes of the Cape Fear Estuary, North Carolina, and their distribution in relation to environmental factors. *Brimleyana* 7:17-37.
- Weinstein, M.P.** and R.W. Davis. 1980. Collecting efficiency of seine and rotenone samples for tidal creeks, Cape Fear River, North Carolina. *Estuaries* 3: 98-105.

- Weinstein, M.P.**, K.L. Heck, Jr. and R.W. Davis. 1980. First records of the maculated flounder, *Bothus maculiferus* (Poey) from the Caribbean coast of Central America. *Proc., Biol. Soc. Wash.* 93:311-313.
- Weinstein, M.P.**, S.L. Weiss, R.G. Hodson, and L.R. Gerry. 1980. Retention of postlarval fishes in an intensively flushed tidal estuary. Cape Fear, North Carolina. *Fish. Bull. U.S.* 78:419-436
- Weinstein, M.P.**, S.L. Weiss and M.F. Walters. 1980. Multiple determinants of community structure in shallow marsh habitats, Cape Fear River estuary, North Carolina. *Mar. Biol.* 58:227-243.
- Weinstein, M.P.** and D.T. Logan. 1979. Diversity as a measure of alewife (*Alosa pseudoharengus*) dominance in southeastern Lake Ontario. *J. Great Lakes Res.* 5:139-143.
- Weinstein, M.P.** 1979. Shallow marsh habitats as primary nurseries for fishes and shellfish, Cape Fear River, North Carolina. *Fish. Bull. U.S.* 77:339-357
- Weinstein, M.P.** and K.L. Heck, Jr. 1979. Ichthyofauna of seagrass meadows along the Caribbean coast of Panama and in the Gulf of Mexico: composition, structure, and community ecology. *Mar. Biol.* 50:97-107.
- Heck, K.L. Jr. and **M.P. Weinstein**. 1978. Mimetic relationships between tropical burrfishes and opisthobranchs. *Biotropica* 10:78-79
- Weinstein, M.P.** and K.L. Heck, Jr. 1977. Biology and host-parasite relationships of *Cymothoa excisa* (Isopoda, Cymothoidae) with three species of snappers (Lutjanidae) on the Caribbean coast of Panama. *Fish. Bull. U.S.* 75:875-877
- Weinstein, M.P.**, C.M. Courtney and J.C. Kinch. 1977. The Marco Island estuary: summary of physicochemical and biological parameters. *Florida Scientist.* 42:97-121.
- Weinstein, M.P.** and R.W. Yerger. 1976. Protein taxonomy of the Gulf of Mexico and Atlantic Ocean Seatrouts, genus *Cynoscion*. *Fish. Bull. U.S.* 74:81-89.
- Weinstein, M.P.** and R.W. Yerger. 1976. Electrophoretic investigation of subpopulations of the spotted seatrout, *Cynoscion nebulosus* (Cuvier), in the Gulf of Mexico and Atlantic coast of Florida. *Comp. Biochem. Physiol.* 54B:97-102.

REFEREED BOOKS, CHAPTERS, MONOGRAPHS AND SPECIAL ISSUES

- Weinstein, M.P.** (contributing author). 2009. Coastal sensitivity to sea-level rise: a focus on the mid-Atlantic region. US Climate Science Program, Synthesis and Assessment Product, 4.1, US Environmental Protection Agency, Washington, DC.
- Rowe, P.M., J. Hameedi and **M.P. Weinstein**. 2007. Linking Elements of the Integrated Ocean Observing System (IOOS) with the Planned National Water Quality Monitoring Network. NOAA, Technical Memorandum 07-818-09, Silver Spring, MD.
- Weinstein, M.P.**, R.E. Turner and D.J. Reed (editors). 2005. Sustainability Science and Estuarine Habitat Restoration: Integrating Ecology and the Social Sciences. Special Section. *Restoration Ecology J.* 13:152-234.

- Weinstein, M.P.**, J.R. Keough, G.R. Guntenspergen and S.Y. Litvin (editors). 2003. *Phragmites australis*: A sheep in wolf's clothing? *Estuaries* 26 (2B):397-630.
- Weinstein, M.P.** 2003. A perspective on coastal habitat restoration, principles and methodologies, with a case study from Delaware Bay. Pp. 344-378. *Functional Restoration/Recovery of Coastal Ecosystems*, The Coastal Environmental Science & Technology Panel (CEST). Proc. 3rd Joint Meeting of the U.S.-Japan Cooperative Program in Natural Resources (UJNR), Yokosuka, Kanagawa Prefecture, Japan, 17-19 July 2002.
- Weinstein, M.P.** (contributing author). 2002. A national strategy to restore coastal and estuarine habitat. *Restore America's Estuaries*, Arlington, VA, 161 pp.
- Costa-Pierce, B.A. and **M.P. Weinstein** (editors). 2002. Use of dredge materials for coastal restoration. Special Issue, *Ecol. Engineer.* 19: 181-232. Costa-Pierce, B.A. and M.P. Weinstein (Workshop Summary). 2002. Sediment toxicity risk assessment: Where are we and where should we be going? Pp. 227-228. Proc. Conf. Dredged Materials Mgt: Options and Environ. Considerations. MIT, Cambridge, MA, 3-6 December 2000.
- Marine Transportation Research Board. 2001 (**M.P. Weinstein**, co-author). A process for setting, managing, and monitoring environmental windows for dredging projects. National Academies, Ocean Studies Board. Special Report 262, 83 pp.
- Weinstein, M.P.** and D.A. Kreeger (co-editors). 2000. Concepts and controversies in tidal marsh ecology. Kluwer. Academic. Publ., Dordrecht, The Netherlands, 875 pp.
- Kreeger, D.A. and **M.P. Weinstein** (co-editors). 2000. Special Issue on Salt Marshes: Concepts and Controversies. *Wetlands Ecol. Manage.* 8:1-222.
- Allee, R.J. ...**M.P. Weinstein**...2000. Marine and estuarine ecosystem and habitat classification. U.S. Dept. Comm., Nat. Mar. Fish. Serv., NOAA Tech. Mem. NMFS-F/SPO-43.
- Weinstein, M.P.** (editor). 1988. Larval fish and shellfish transport through coastal inlets. Proceedings of a Symposium. *Amer. Fish. Soc. Symp.* 3:3.
- Weinstein, M.P.** 1986. Habitat suitability index models: inland silverside, *Menidia beryllina*. U.S. Fish and Wildlife Serv., Biol. Rep. 82(10.120) 25 pp.
- Weinstein, M.P.**, K.L. Heck, Jr. and R.J. Orth (co-editors). 1984. Functional ecology of saltmarshes and seagrass meadows: Toward an ecosystem synthesis. *Estuaries* 7:1-470.
- Lawler, J.P., W.T. Hogarth, B.J. Copeland, **M.P. Weinstein**, R.G. Hodson, and H.Y. Chen. 1981. Techniques for assessing the impact of entrainment and impingement as applied to the Brunswick Stream Electric Plant. 5th National Workshop on Entrainment and Impingement, San Francisco, California May 5-7.

PROCEEDINGS:

- Weinstein, M.P.**, H. Feng and Q. Guo (editors). 2007. Joint People's Republic of China – United States *Workshop on Sustainable Management of Coastal Ecosystems*, Tianjin Oceanic Administration, Tianjin, PRC, 8-12 January.
- Weinstein, M.P.** 2007. The Anthropocene: coastal management in the age of humans *In* Weinstein, M.P., H. Feng and Q. Guo (editors), pp:39-44. Joint People's Republic of China – United States *Workshop on Sustainable Management of Coastal Ecosystems*, Tianjin Oceanic Administration, Tianjin, PRC, 8-12 January.

- Rowe, P.M, J. Hameedi and **M.P. Weinstein** (Editors). 2006. *Linking elements of the Integrated Ocean Observing System (IOOS) with the planned National Water Quality Monitoring Network (NWQMN)*, Rutgers University, New Brunswick, NJ, 9-21 September.
- Weinstein, M.P.** 2005. *Ecological Restoration and the Total Human Landscape (THE): Applications to Large Scale Wetland Restoration/Rehabilitation Projects*. Symposium Proceedings: Restoration/Rehabilitation of Ariake Bay, Fukuoka, Japan, 28-30 November.
- Weinstein, M.P.** and W. S. Douglas (eds). 2002. *Sediment Toxicity Risk Assessment: Where are we and Where Should we be Going?* New Jersey Marine Sciences Consortium, New Jersey Sea Grant College Program, NJSJG-02-482, 100 pp.
- Weinstein, M.P.** and W. S. Douglas. 2002. Chapter 8 (in part). *Conf. Dredged Materials Mgt: Options and Environ. Considerations*. MIT, Cambridge, MA, 3-6 December 2000.
- Weinstein, M.P.**, J.R. Keough, Gutenspergen and S.Y. Litvin. 2003. *Proc. Technical Forum & Workshop, Phragmites australis: A Sheep in Wolf's Clothing?* Cumberland College, Cumberland, NJ, 6-9 January 2002. 62pp.
- Weinstein, M.P.**, K.E. Kosko, L.S. Young and T.J. Belton (eds). 2000. *The Significance of Atmospheric Pollutant Loading to the New York-New Jersey Harbor Estuary and Watershed, Proceedings*, Monmouth University, 13 April 2000, NJSJG-00-443, 49 pp.
- Deegan, L.A., M. Dionne, P.E. Fell and **M.P. Weinstein**. 1997. Chapter 4. Animal interactions and secondary productivity in northeastern tidal marshes. Pp. 19-23. Orson, R.A., R.S Warren, W.A. Niering and P. Van Patten (eds), *Research in New England Marsh-Estuarine Ecosystems: Directions and Priorities into the Next Millennium*. Proc. Sea Grant Workshop, Connecticut College, New London, 61 pp.
- Weinstein, M.P.** 1997. Impacts of the shadows of high rise structures and platforms on marine primary productivity. pp. 230-238. *In: R. Spagnolo and E. Ambrogio (eds.)*. Proc. Sec. Ann. Marine and Estuarine Shallow Water Sci. and Manag. Conf., EPA Office of Water, EPA/903/R/7009.

REPORTS AND TECHNICAL DOCUMENTS:

Dr. Weinstein is the principal author of more than two-hundred reports and presentations to state and federal agencies and the private sector.

ABSTRACTS AND SEMINARS:

- Weinstein, M.P. 2009.** A Tier III, EFH approach to evaluating the functional ecology of *Phragmites*-dominated marshes. ESA-SER Mid-Atlantic Chapter Meeting, Trenton, NJ, 12-14 March.
- Weinstein, M.P.** 2009. The salt marsh paradigm revisited: a tier III stable isotope and biochemical condition approach to evaluating essential fish habitat. I. Elise B. Newell Seminar Series, Florida Sea Grant, presented at the University of South Florida, St. Petersburg, Fl, 15 January (Invited speaker).
- Weinstein, M.P.** 2009. The Anthropocene: restoration ecology and coastal management in the age of humans. II. Elise B. Newell Seminar Series, Florida Sea Grant, presented at the University of South Florida, Tampa, Fl, 15 January (Invited speaker).

- Weinstein, M.P.** and H. Feng. 2008. Introduction to the Bohai Base, Monitoring & Surveillance Management Project, Tianjin, PRC. *Restore America's Estuaries, 4th National Conference on Coastal and Estuarine Habitat Restoration – Creating Solutions through Collaborative Partnerships*, Providence, RI, 11-15 November 2008 (Invited paper).
- Weinstein, M.P.**, S.Y. Litvin, V.G. Guida and P.M. Rowe. 2008. Restoration in the Anthropocene: Success criteria based on Tier III essential fish habitat analysis. *Restore America's Estuaries, 4th National Conference on Coastal and Estuarine Habitat Restoration – Creating Solutions through Collaborative Partnerships*, Providence, RI, 11-15 November 2008 (Invited paper)
- Weinstein, M.P.** 2008. The conservation challenges for China's waterways, *Beyond Borders: Individual Responsibility-Collective Action, 7th Ann. Global Understanding Convention*, Monmouth University, 7-10 April 2008 (Invited speaker)
- Weinstein, M.P.** 2008. Getting past fundamentals: evaluating essential fish habitat at Tiers III & IV. N.E. Fish and Wildlife Conf., Galloway, NJ, 27-30 April.
- Weinstein, M.P.** 2008. Habitat restoration metrics: can we get beyond structural criteria? East China Normal University, Shanghai, PRC. (Invited seminar)
- Weinstein, M.P.** 2008. Habitat restoration metrics: balancing anthropocentric and ecocentric criteria. Tianjin University of Science and Technology, Tianjin, PRC. (Invited seminar)
- Weinstein, M.P.**, S.Y. Litvin and V.G. Guida. 2007. Habitat restoration in estuaries: can we move beyond structural criteria? *Biennial Meeting, Estuarine Research Federation*, Providence, RI, 4-8 November (Invited paper).
- Weinstein, M.P.** 2007. Restoration in the Anthropocene: how do we treat urban estuaries? ESA-SER Joint Meeting, San Jose, CA. 5-10 August (Invited paper)
- Weinstein, M. P.** 2007. No wetlands, no seafood! The fate of coastal wetlands goods and services as sea level rises. Seton Hall University, South Orange, NJ (Invited seminar)
- Weinstein, M.P.** 2007. Restoration in the Anthropocene: What is the appropriate mix of ecology and culture? *II Internacional Symposium on Ecological Restoration*, Santa Clara, Cuba, 16-22 April (Invited paper).
- Weinstein, M.P.** 2007. The Anthropocene: coastal management in the Age of Humans. Joint People's Republic of China – United States *Workshop on Sustainable Management of Coastal Ecosystems*, Tianjin Oceanic Administration, Tianjin, PRC, 8-12 January.
- Weinstein, M.P.** 2006. Will the 21st century realize sustainable practices in the coastal zone? American Shore and Beach Preservation Association, Long Branch, NJ, 8-12 October (Invited paper)
- Weinstein, M.P.** 2006. Managing coastal resources in the 21st Century. 25th International Submerged Lands Conference, Red Bank, NJ, 16-20 October (Invited paper)
- Weinstein, M.P.** and S.Y. Litvin. 2006. Spatio-temporal use of the habitat mosaic in Delaware Bay: how young-of-year weakfish (*Cynoscion regalis*) get fat. American Fisheries Society Annual Meeting, Lake Placid, NY, 10-14 September (Invited paper).
- Weinstein, M.P.** 2005. Ecological restoration and the Total Human Landscape (THE): applications to large scale wetland restoration/rehabilitation projects. Symposium: Restoration/Rehabilitation of Ariake Bay, Fukuoka, Japan (Invited keynote lecture)

- Weinstein, M.P.** 2005. The “two-culture” conflict: restoration ecology versus ecological restoration. Kumamoto Prefectural University, Kumamoto Prefecture, Japan (Invited seminar).
- Litvin, S.Y., **M.P. Weinstein**, V.G. Guida and A.G. Grottoli. 2005. Considering the production of fish on the scale of the estuary: Insights from a multidisciplinary approach. *Biennial Conference of the Estuarine Research Federation (ERF)*, Norfolk, Virginia, 16-20 October.
- Weinstein, M.P.** 2005. Can we achieve sustainability in the coastal zone? *Biennial Conference of the Estuarine Research Federation*, Norfolk, Virginia, 16-20 October.
- Weinstein, M.P.** 2005. Will urban estuaries “survive” the 21st century? Special Session: Society Induced Criteria for Preservation, Conservation and Restoration Success. SER International, Zaragosa, Spain, 14-17 September (Invited paper)
- Weinstein, M.P.** 2004. Coastal sustainability in New Jersey: a mosaic of competing interests. Jersey Shore Partnership, Annual Meeting, Monmouth University, 11 November (Invited panel)
- Weinstein, M.P.** 2004. Shifting baselines and the estuarine landscape: recognizing that *Homo sapiens* are estuarine dependent. Restore America’s Estuaries, 2nd Conference, Restoring Healthy Coasts and Estuaries - What Will It Take? Seattle, WA, 11-15 September.
- Weinstein, M.P.** 2004. Integrated coastal zone management: a tool for a sustainable world. University of Science and Technology, Tianjin, Peoples Republic of China, 29 May (Invited seminar).
- Weinstein, M.P.** 2004. Valuation approach to urban estuarine management in the United States. *Urban Dimensions of Environmental Change: Science, Exposures, Policies and Technologies*. East China Normal University, Shanghai, Peoples Republic of China, 25-28 May (Invited seminar).
- Noji, C.I.-M., S.Y. Litvin, D. Adams, J. Kurtenbach and **M. P. Weinstein**. 2003. Assessing the ecological condition of Barnegat Bay-Little Egg Harbor: A comparison of IBI and discriminant analysis models for nekton and benthos. *Biennial Conference of the Estuarine Research Federation (ERF)*, Seattle Washington, 14-18 September (Invited paper).
- Weinstein, M.P.** and J.H. Balletto. 2003. Humans in the coastal landscape: The paradoxical challenge and how to achieve the dual “mandate”. Special Symposium: Sustainability science and estuarine habitat restoration: An international perspective on integrating ecology and the social sciences. *Biennial Conference of the Estuarine Research Federation (ERF)*, Seattle Washington, 14-18 September (Invited paper).
- Litvin, S.Y., **M.P. Weinstein** and V.G. Guida. 2003. Habitat utilization patterns of a juvenile marine transient: effects on biochemical condition and implications on the value of habitat for fish production. *Biennial Conference of the Estuarine Research Federation*, 14-18 September.
- Weinstein, M.P.**, S.Y. Litvin and V.G. Guida. 2003. Restoring “function” in degraded salt marshes: habitat linkages and the trophic spectrum for marine transients. *Inaugural Conf. Coast. Estuar. Habitat Restoration*. RAE, Baltimore, Maryland, 13-16 April (Invited paper).
- Weinstein, M.P.** 2003. Re-establishing wetland functions in the estuarine landscape: balancing

- the challenge of invasive species with wetland estuarine connectivity. Mid-Atlantic NEP Habitat Workshop, Assoc. National Estuary Programs, Ocean City, MD, 16-17 January.
- Weinstein, M.P.** 2002. A perspective on coastal habitat restoration, principles and methodologies, with a case study from Delaware Bay. *Functional Restoration/Recovery of Coastal Ecosystems*, 3rd U.S.-Japan Cooperative Program in Natural Resources (UJNR)/Coastal Environmental Science & Technology Panel (CEST), Yokosuka, Kanagawa Prefecture, Japan, 17-19 July 2002 (Invited paper).
- Weinstein, M.P.** 2002. The salt marsh paradigm revisited: a stable isotope and biochemical condition approach. North Carolina State University, Raleigh (Invited seminar).
- Minello, T.J., K.W. Able, **M.P. Weinstein**, and C.G. Hays. 2002. Salt marshes as nurseries for nekton: testing hypotheses on density, growth, and survival through meta-analysis. Amer. Fisheries Soc., Ann. Mtg., Baltimore, MD, 18-22 August (Invited paper).
- Litvin, S.Y., V.G. Guida, **M.P. Weinstein**, and S. Thorrold. 2002. Exploring the effects of estuarine habitat utilization patterns on the biochemical condition of juvenile marine transients. Amer. Fish. Soc., Ann. Mtg, Baltimore, MD, 18-22 August (Invited paper).
- Litvin, S.Y., V.G. Guida, and **M.P. Weinstein**. 2002. The use of thin layer chromatography with flame ionization detection (TLC/FID) to assess the biochemical condition of juvenile weakfish in Delaware Bay. Amer. Soc. Limnol. Oceanogr., Victoria, BC, Canada, 10-14 June.
- Weinstein, M.P.**, S.Y. Litvin and C.A. Currin. 2002. *Phragmites australis* and the marsh paradigm: A review of stable isotope ratios in evaluating the flow of nutrients from primary producers to consumers. Technical Forum and Workshop - *Phragmites australis*: A sheep in wolf's clothing? Vineland, NJ, 6-9 January.
- Currin, C.A., S. Wainright, K.W. Able and **M.P. Weinstein**. 2002. Does *Phragmites* provide trophic support to resident marsh fish?: Stable isotope variation in *Fundulus* due to changes in marsh vegetation and salinity. Technical Forum and Workshop - *Phragmites australis*: A sheep in wolf's clothing? Vineland, NJ, 6-9 January.
- Weinstein, M.P.** 2002. *Phragmites australis*: A landscape scale invader that alters the biodiversity and ecological functions of coastal marshes. Ann. Mtg. Mid. States Div., Assoc. Amer. Geographers, Montclair University, NJ, 11-12 October (Invited paper).
- Weinstein, M.P.** and S.Y. Litvin. 2001. Marine transients and the coastal conveyor belt: the role of estuarine "bouillabaisse" in recruitment success. 16th Bienn. Estuar. Res. Fed., St. Petersburg, FL, 4-8 November (Invited paper)
- Litvin, S.Y., V.G. Guida and **M.P. Weinstein**. 2001. Trophic linkages and relative importance of salt marsh habitats to resident and marine transient finfish in Delaware Bay: a stable isotope and "biochemical condition" approach. 16th Bienn. Estuar. Res. Fed., St. Petersburg, FL, 4-8 November
- Weinstein, M.P.** 2000. Humans in the landscape: Restoration science in a sustainable world. Nat. Coast. Est. Wetland Rest. Symp., Baton Rouge, LA, 19-21 June (Invited plenary).
- Litvin, S.Y., **M.P. Weinstein**, C.A. Currin and S.C. Wainright. 2001. Trophic linkages and relative importance of marsh habitats to the production of finfish in Delaware Bay. 57th Ann. N.E. Fish & Wildl. Conf., Saratoga Springs, NY, 22-25 April
- Weinstein, M.P.** and L. L. Weishar. 2000. Beneficial uses of dredged material: enhancing the restoration trajectory at a formerly diked salt hay farm. Conference on Dredged

- Materials Management, Mass. Institute Tech., Cambridge, MA, 3-6 December (Invited paper).
- Weinstein, M.P.** 2000. Life on the coastal conveyor belt: The role of estuarine habitats in providing the “right stuff”. Rutgers University, Dept. Ecol. & Evol. (Invited seminar).
- Weinstein, M.P.** 2000. Marine transients and the coastal conveyor belt: links with the salt marsh paradigm. Dauphin Island Sea Lab., Univ. Alabama (Invited seminar)
- Weinstein, M.P.** 2000. The RAE-ERF first year initiative: Developing principles of estuarine habitat restoration. Coastal Society 17, Portland, Oregon, 9-12 July (Invited paper).
- Weinstein, M.P.** 2000. The Delaware Bay Estuary Enhancement Program: A case study of wetland restoration on a macroscale. Coastal Society 17, Portland, Oregon, 9-12 July (Invited paper).
- Weinstein, M.P.** 2000. Coastal habitats and their problems: Restoration approaches and issues. HabTech 2000, Technological Advances in Coastal Habitat Enhancement and Restoration, Louisiana State University, Baton Rouge, 26-28 June (Invited plenary).
- Weinstein, M.P.** 2000. What’s this business with *Phragmites* anyway? Fifth Ann. Marine and Estuarine Shallow Water Sci. Manag. Conf. Atlantic City, 12-15 March.
- Weinstein, M.P.** 1999. A retrospective on the salt marsh paradigm. MBL, Woods Hole, 3 November (Invited seminar).
- Weinstein, M.P., S.C. Wainright, S.Y. Litvin, C.A. Currin and K.W. Able.** 1999. Nutrient flow from tidal salt marsh flora to marine transient finfishes in Delaware Bay: A multiple stable isotope approach. 20th Ann. Mtg., Soc. Wetland Sci., 7-11 July, Norfolk, VA. (Invited paper).
- Weinstein, M.P.** and C. Antonucci. 1999. A sustainable New Jersey in the 21st Century. Stewardship – Interacting with Government Agencies, 18th Ann. Submerged Lands Manage. Conference, 3-7 October, Jersey City, NJ. (Invited paper).
- Wainright, S.C., **M.P. Weinstein**, K.W. Able, and C.A. Currin. 1999. Relative importance of macrophytes and benthic microalgae to juvenile fishes in *Phragmites* versus *Spartina* marshes. 15th Bienn. Conf. Estuar. Res. Fed. 25-30 Sept., New Orleans, LA.
- Litvin, S.Y., **M.P. Weinstein**, S.C. Wainright, K.L. Bosley and C.M. Fuller. Was Teal right? – The marsh paradigm revisited (I). 15th Bienn. Conf. Estuar. Res. Fed. 25-30 Sept., New Orleans, LA
- Weinstein, M.P., S.C. Wainright, C.A. Currin, S.Y. Litvin, K.L. Bosley, C.M. Fuller, and K.W. Able.** 1999. Was Teal right? – The marsh paradigm revisited (II). 15th Bienn. Conf. Estuar. Res. Fed. 25-30 Sept., New Orleans, LA
- Weinstein, M.P.** 1999. Saltmarshes, estuaries and essential fish habitat. Northeast NMFS/Sea Grant Colloquium on Fish Habitat, 7-9 April, Portsmouth, NH
- Weinstein, M.P.** and S.C. Wainright. 1998. Macroscale restoration of coastal wetlands in disturbed environments. Restoration of Natural Resources: The Practitioner’s Experience, 15-19 November, Charlotte, North Carolina (Invited paper).
- Teal, J.M. and **M.P. Weinstein.** 1998. Macroscale restoration success in the United States: Case studies from the Delaware Bay. SCOPE Workshop/NOAA-France Partnership, 29-31 July, Paris, France (Invited paper).
- Weinstein, M.P., K.R. Philipp and P. Goodwin.** 1998. Catastrophes, near catastrophes and the bounds of expectation: wetland restoration on a macroscale. Internat. Salt Marsh Symp.:

- concepts and controversies in tidal marsh ecology. 5-9 April, Vineland, NJ (Invited plenary).
- Weinstein, M.P.** 1998. Macroscale wetlands restoration: An ecological engineering solution to a coastal regulatory issue. Pollut. Water Resour. Seminar Ser., Columbia University (Invited seminar).
- Weinstein, M.P.** 1998. Science majors must be cross-disciplinary: Lessons from ecological engineering and environmental science. Richard Stockton State College (Invited lecture).
- Weinstein, M.P.**, J.H. Balletto, K.A. Strait, and J.M. Teal. 1997. Are Tidal Wetlands Wastelands? 53rd Ann. NE Fish. Wildlf. Conf., Waldham, MA, 17-23 March.
- Weinstein, M.P.** 1997. Ecological Engineering of the Estuary Enhancement Program: One of The World's Largest Wetland Restorations. Civil Engineering Department, Rutgers University (Invited seminar).
- Weinstein, M.P.**, J.H. Balletto, J.M. Teal and D.F. Ludwig. 1996 Success criteria and adaptive management for a large-scale wetland restoration project. Restoration in an Urban/Rural Context. Soc. Ecol. Rest., Internat. Conf., New Brunswick, NJ, 17-22 June.
- Weinstein, M.P.**, J.H. Balletto and J.M. Teal. 1996. What a practitioner needs to know about macro-scale wetland restoration. 3rd Mar. Estuar. Shallow Water Sci. and Manag. Conf., EPA Office of Water, Atlantic City, NJ.
- Iannuzzi, T. and **M.P. Weinstein**. 1995. Comparative evaluation of benthic microalgal production in an existing marina and proposed marina site in western Long Island Sound, USA. Sec. Ann. Mar. Estuar. Shallow Water Sci. Manag. Conf. Atlantic City, 3-7 April.
- Weinstein, M.P.** 1995. What can America's fish tell us about the link between salt marshes and secondary production? 13th Inter. Conf. Estuar. Res. Fed., Corpus Christi, TX, 12-16 November. (Invited paper).
- Weinstein, M.P.** and T. Iannuzzi. 1994. Potential impacts of marina construction on shallow waters: Primary productivity and fishery habitats. Mar. Estuar. Shallow Water Sci. and Manage. Conf., Atlantic City, New Jersey, 8-11 March (Invited paper).
- Weinstein, M.P.** 1991. Regulatory review of Section 304(l) of the Clean Water Act. Ann. Mtg Chemical Indust. Coun. (CIC) of New Jersey, Princeton, New Jersey. 18-19 June. (Invited presentation).
- Iannuzzi, T.J., **M.P. Weinstein** and K. Sellner. 1991. Benthic algal production in the nearshore waters of Davids Island, New Rochelle, New York. 11th Bienn. Mtg, Estuar. Res. Fed., San Francisco, CA, 10-14 November.
- Barrett, J.C., **M.P. Weinstein** and T. Iannuzzi. 1991. Potential impacts of the proposed Davids Island development on the nearshore waters of Davids Island, New York. 11th Bienn. Mtg, Estuar. Res. Fed., San Francisco, CA, 10-14 November.
- Barrett, J.C. and **M.P. Weinstein**. 1990. Comparisons of natural and impacted marshes of the mid-Atlantic Bight. Fishhab '90, Fisheries habitat utilization: marshes. South Div. Amer. Fish. Soc./Assoc. Fish. Wildl. Agencies Conf., Richmond, Virginia. October 24.
- Weinstein, M.P.** 1989. Seasonal hypoxia and the benthic community of Long Island Sound. 10th Bienn. Internat. Estuarine Res. Conf., Baltimore, MD, 8-12 October.
- Weinstein, M.P.** 1987. Regulation of fish species distribution in estuaries. 9th Bienn. Internat. Estuar. Res. Fed. Conf., New Orleans, LA, 25-29 October. (Invited paper).
- Weinstein, M.P.** 1985. Pollution and the Hudson River: fate and transport of PCBs. Amer.

- Littoral Soc., New York, NY. (Guest speaker).
- Seigfried, R.C. II and **M.P. Weinstein**. 1985. Comparison of methods used to document daily otolith rings. Inter. Symp. on Age and Growth of Fish, Des Moines, Iowa. 9-12 June.
- Weinstein, M.P.** 1985. Habitat evaluation and the estuarine "white rat". 8th Bienn. Mtg, Estuar. Res. Fed., Durham, NH, 28 July-2 August.
- Szedlmayer, S.T. and **M.P. Weinstein**. 1985. Daily aging of juvenile Chesapeake Bay weakfish, *Cynoscion regalis*. Ann. Mtg., Amer. Soc. Ichthyol. Herpetol., University of Tennessee, Knoxville, TN, 15-19 June.
- Weinstein, M.P.** 1984. A framework for evaluating the role of shallow water habitats in the Chesapeake Bay. EPA, State-of-the-Art Symposium, Seattle, WA. (Invited seminar).
- Weinstein, M.P.** 1984. Macro- and microscale influences on use of habitat by estuarine-dependent nekton: with special reference to the spot (*Leiostomus xanthurus*). Center for Wetland Resources, Louisiana State University, Baton Rouge, LA. (Invited paper).
- Weinstein, M.P.** 1984. Estuarine ecology and environmental perturbation: a paradigm for evaluating our coastal resources. EPA, Washington, D.C. (Invited paper).
- O'Neil, S.P., **M.P. Weinstein**, S.M. Smith, and J.G. Hoff, Jr. 1983. Community and trophic ecology of nekton residing in shallow water habitats, York River Estuary, Virginia. Atlantic Estuarine Res. Soc., Spring Meeting, Cape May, New Jersey. 28-30 April.
- Weinstein, M.P.**, S.P. O'Neil, R.C. Siegfried II and S.T. Szedlmayer. 1983. Population dynamics of spot (*Leiostomus xanthurus*) in tidal subestuaries of the lower Chesapeake Bay. 7th Biennial Mtg., Estuarine Research Federation, Virginia Beach, VA, 22-26 October.
- Thayer, G.W., D.R. Colby, M.A. Kjelson, and **M.P. Weinstein**. 1982. Estimates of larval fish abundance in estuarine and nearshore waters: Influence of tow speed and gear. Proc., 6th Ann. Larval Fish Conf., Chesapeake Biological Laboratory, Solomons, MD 15-18 March.
- Weinstein, M.P.** and H.A. Brooks. 1982. Comparative ecology of young nekton occupying a tidal creek and adjacent seagrass meadow. 112th Annual Meeting, Amer. Fish. Soc., Hilton Head, SC, 22-25 September. (Invited contribution).
- Weinstein, M.P.** 1982. Some aspects of the population dynamics of an estuarine "white rat", the spot (*Leiostomus xanthurus*). Atlantic Estuarine Research Society, Annual Meeting, Richmond, VA, 14-16 October.
- Weinstein, M.P.** 1982. Distributional ecology of juvenile fishes inhabiting mid-Atlantic coast estuaries: an integrated treatise. Instit. Mar. Sci., University of Texas, Port Aransas, TX. (Invited seminar).
- Weinstein, M.P.** 1981. Cape Fear River Estuary: ecosystem dynamics of fishes and shellfish. Department of Environmental Science, University of Virginia, Charlottesville, VA (Invited seminar).
- Weinstein, M.P.** 1981. Growth, mortality and production of young spot (*Leiostomus xanthurus*) residing in tidal creeks. AERS/SEERS Spring 1981 Meeting, Wilmington, North Carolina, 12-14 March.
- Weinstein, M.P.** 1981. Adult sciaenids. Sixth Annual Fisheries Symp., Houston, TX, 19-20 March. (Principal speaker).

- Weinstein, M.P.** 1980. Temporal and spatial utilization of habitat and community ecology of postlarval and juvenile fishes of the Cape Fear Estuary, North Carolina. VA. Inst. of Mar. Sci, Gloucester Point, VA. (Invited seminar).
- Weinstein, M.P.** 1980. Evolution of an environmental impact assessment: the Cape Fear River Estuary studies program, 1976-1980. Department of Biology, University of Richmond. (Invited seminar).
- Weinstein, M.P.** 1980. Habitat utilization by the nekton of tidal creeks, Cape Fear River, North Carolina. Amer. Fish. Soc., Ann. Mtg. Louisville, KY, 21-24 September.
- Weinstein, M.P.** 1980. Habitat preferences and community ecology of nekton occupying primary nursery zones, Cape Fear River Estuary, North Carolina. Zoology Department, North Carolina State University, Raleigh, NC. (Invited seminar).
- Weinstein, M.P.** 1980. Determinants of nekton community structure in tidally inundated salt marshes. Presented at the Assoc. Southeastern Biol. Ann. Mtg, Tampa, FL, 26-28 March.
- Weinstein, M.P.** 1979. The influence of physicochemical variables on the distribution of salt marsh ichthyofauna, Cape Fear River, North Carolina. Chesapeake Bay Institute, the John Hopkins University, Baltimore, MD. (Invited seminar).
- Weinstein, M.P., S.L. Weiss and L.R. Gerry.** 1979. Response to photoperiod and tide in three taxa of post-larval fishes: a mechanism for maintenance of position in a rapidly flushed tidal estuary. N.E. Fish and Wildlife Conf., Providence, RI, 6-7 April.
- Weinstein, M.P., R.W. Davis, A. Hillard, P.B. Woodard.** 1978. A comparison of gear efficiency associated with seine and rotenone collections. Presented at the New York Amer. Fish. Soc. Mtg, Marcy, NY, 3-5 February.
- Weinstein, M.P.** 1978. The nekton of shallow marsh habitats, Cape Fear River, North Carolina: abundance, seasonality, and community composition. Virginia Institute of Marine Science, Gloucester Point, VA. (Invited seminar).
- Weinstein, M.P.** 1978. A perspective on the impact of once-through cooling at the Brunswick Steam Electric Plant (BSEP), Cape Fear River, North Carolina. Virginia Institute of Marine Science, Gloucester Point, VA. (Invited seminar).
- Weinstein, M.P.** 1977. Comparison of the benthic macroinvertebrate communities from natural and artificial waterways, Marco Island, Florida. Presented at AIBS/Ecol. Soc. Amer., Ann. Mtg, Michigan State University, East Lansing, MI, 21-26 August.

OTHER PROFESSIONAL ACTIVITIES:

Panelist and Commentor (interviewed by O. Gleiberman; Entertainment Weekly; and Marc Ehrenkranz, NY Film Critics). Screening and commentary on the movie, *The Cove*, produced by Louie Psihoyos and directed by Fisher Stevens.

Symposium Organizer and Session Co-Convener (with C. Simenstad, G. Thayer and R. Thom), A retrospective on wetland restoration science and practice: have we really achieved ecological and/or societal successes? *4th National Conference on Coastal and Estuarine Habitat Restoration – Creating Solutions through Collaborative Partnerships*, Providence RI, 11-15 October, 2008.

Invited Session Chair and Opening Remarks Ecosystem-Based Management in the Anthropocene. *Improving Ecosystem-Based Ocean Management Approaches in New*

Jersey, Urban Coast Institute, Monmouth University, 14 April 2008

Closing Plenary: Achieving the Vision – A Strategy for the Next Six Years. Restore America’s Estuaries, 2nd Biennial Conference, 11-15 September 2004, Seattle, WA.

Workshop on Monitoring the Human Dimension Aspects of Coastal Restoration, Invited Participant. University of Massachusetts, Amherst, 3-6 April 2004.

The National Academies, Transportation Research Board, Annual Meeting, Hoboken, NJ, October, 2004. Key-note Dinner Speaker, *The Harbor Emergency Response Organization (H.E.R.O.): An Emergency Preparedness Initiative*.

ESA/TNC Congressional and NOAA Debriefing, Issues in Ecology: The Role of Nearshore Ecosystems as Fish and Shellfish Nurseries, Washington, DC, August, 2003.

Symposium Organizer and Session Co-Convener (with R.E. Turner and D.J. Reed), *Sustainability Science and Estuarine Habitat Restoration: An International Perspective on Integrating Ecology and the Social Sciences*. Biennial Conference of the Estuarine Research Federation (ERF), Seattle Washington, 14-18 September 2003.

Program Committee (Extended). Biennial Conference of the Estuarine Research Federation (ERF), Seattle Washington, 14-18 September 2003.

Program Committee. *Inaugural National Conference on Coastal and Estuarine Habitat Restoration: Saving Our Coastal Heritage*, Baltimore, MD, 13-16 April 2003.

Symposium Organizer and Session Co-Convenor (with J.R. Keough and G.R. Gutenspergen), *Technical Forum and Workshop - Phragmites australis: A sheep in wolf’s clothing?* Vineland, NJ, 6-9 Jan 2002.

Symposium Organizer and Session Co-Convenor (with B.Brownawell), *Sediment toxicity risk assessment: Where are we, and where should we be going?* Conf. Dredged Material Management, MIT, Cambridge, MA, 3-6 Dec 2000.

Symposium Organizer and Session Co-Convenor (with B. Costa-Pierce), *The use of dredged material for erosion control and wetland creation*. Conf. Dredged Material Management, MIT, Cambridge, MA, 3-6 Dec 2000.

Ecological Society of America, Workshop, A National Marine and Estuarine Classification System, Invited Participant, Marathon, FL, 26-28 October, 1999.

National Center for Analysis of Ecological Systems (NCEAS) - Wetland Initiative, Evaluation of the Nursery Role of Wetlands and Seagrasses for Better Conservation and Management, Co-Principal Investigator, 1999-2001.

Association of State Wetland Managers, Inc., Member, Coordinating Committee for National Wetlands and Stream Restoration Training Project, 1999-2000.

Symposium Organizer and Convenor, *Coastal Lagoons and Salt Ponds*. International Biennial Meeting, Estuarine Research Federation, 26-30 September 99, New Orleans, LA.

ERF/RAE Initiative to Restore America's Estuaries, *ERF White Paper on Restoration Principles*. Invited Core Scientist, 1999

Chairman, Technical Program Committee, Sea Grant in the New Millennium: Science for Sustainability, Sea Grant Week, 26-30 June 99, Portland, Oregon.

Symposium Organizer and Convener, Role of Estuaries in Sustaining Coastal Fisheries: Is There One? AAAS Annual Meeting and Science Innovation Exposition, 21-26 January 99, Anaheim, California

Scientific Committee on Problems of the Environment (SCOPE), *Ecology Engineering Applied to River and Wetland Restoration*, Invited Participant, International Workshop, Paris, France, 29-31 July 98

Organizer and Co-Editor, *International Symposium: Concepts and Controversies in Tidal Marsh Ecology*, Vineland, NJ, 5-9 April 98.

Conference Facilitator and Speaker, *Climate, Coastal Hazards and the New Jersey Shore*, Toms River, December 1997

Steering Committee, Third *Estuarine and Marine Shallow Water Habitats Conference*, 5-9 Dec 96. Participant in working group to develop issues and scientific themes for the conference and for screening abstracts

Steering Committee, Second *Estuarine and Marine Shallow Water Habitats Conference*, 3-7 April 95. Participant in working group to develop issues and scientific themes for the conference and for screening abstracts

Session Chair, Beneficial Uses of Dredged Materials, 2nd *Marine and Estuarine Shallow Water Science and Management Conf.* Atlantic City, 3-7 April 95.

Session Chair, *Wetlands or Wastelands: Were our Forefathers Correct?* 13th International Conference of the Estuarine Research Federation. Corpus Christi, 12-16 November 95.

Invited Lecturer, New York Hazardous Waste Regulation Course: RCRA Overview: Understanding your responsibilities. Executive Enterprises, Inc. New York, New York. 15-16 November 90.

Invited Observer, Second Petroleum Hydrocarbon Workshop. U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, Mississippi. 15-17 March 88.

Convener, Moderator and Symposium Editor, U.S. Army Corps of Engineers - sponsored workshop and formal paper session on *Larval Fish and Shellfish Transport through Coastal Inlets*. Marine Research Laboratory, Ocean Springs, Mississippi. 19-20 August 85. (published by the American Fisheries Society).

Invited Participant, Environmental Biology Review Panel, Development of Long-Range EPA Research Plan in Environmental Studies, Especially Toxics, Habitat Alteration, etc. Office of Research and Development, Environmental Protection Agency. 1983.

Convener, Session Moderator and Symposium Editor, Comparative Ecology of the Macrofauna of Salt Marshes: Toward an Ecosystem Synthesis. Biennial Meeting, Estuarine Research Federation, Virginia Beach, Virginia. October 1983.

Committee to Evaluate the 112th Annual Meeting, American Fisheries Soc., Hilton Head, South

Carolina. August 1982. (Report published in *Fisheries*)
Invited Contributor, 112th Annual Meeting, American Fisheries Society, Hilton Head, South Carolina. August 1982.
Principal Speaker, 6th Marine Recreational Fisheries Symposium, Houston, Texas. March 1981.
Invited Participant, University of Washington Delphi Panel, Assessing the Environmental Impact of Power Generating Stations.
Reviewer (Proposals): NSF, EPA, Sea Grant (CA, DE, LA, MD, NY, NJ, NC, TX, SC and VA), Maryland Power Plant Siting Program, EPRI, U.S. Fish and Wildlife Service, Jeffress Memorial Trust, Hudson River Foundation, NOAA, CALFED, NMFS Restoration Center
Reviewer (Journals): Fish. Bull. U.S., Fisheries Oceanogr., U.S., Restoration Ecol., Trans. Amer. Fish. Soc., Fisheries, Estuaries, N.E. Gulf Sci., Amer. Midl. Nat, Marine Biol., J. Exp. Mar. Biol. Ecol., Contr. Mar. Sci, Bull. Mar. Sci, Ecology, Ecolog. Engineering, Wetlands, Frontiers in Ecol. & Environ., Mar. Ecol. Prog. Series.
Session Moderator - American Society of Ichthyologists and Herpetologists, American Fisheries Society, Estuarine Research Federation, AAAS.