

Albert J. Slap, Esquire

19707 Bay Cove Drive

Boca Raton FL 33434

970-710-9553 (cell)

albertslap@coastalriskconsulting.com

www.riskfootprint.com

Education

B.A., University of Pennsylvania (1971)

J.D., Villanova University School of Law (1974)



Green Mountain,
Independence Pass, CO
August 2018

Biographical Sketch

Mr. Slap received his Bachelor of Arts degree from the University of Pennsylvania (1971) and a Juris Doctor from the Villanova Law School (1974). From 1974-1979, Slap was Director of the Environmental Law Program, Public Interest Law Center of Philadelphia, where he brought the first Clean Water Act citizen suit against the City of Philadelphia and other major environmental cases, including *Susquehanna Valley Alliance v. Three Mile Island Nuclear Reactor*. The Philadelphia case resulted in a \$650 million re-build of the City's aging sewer system, cessation of ocean dumping of sewage sludge into the Atlantic Ocean, and tens of thousands of new construction jobs. The *Three Mile Island* case prevented high-level radioactive waste from the nuclear accident in 1979 from being discharged into the Susquehanna River.

From 1980-1984, Slap served as Deputy City Solicitor for Environment, City of Philadelphia, where he brought the first private Superfund legal action in the Country, *City of Philadelphia v. Stepan Chemical*. From 1985-1995, he practiced environmental law in several private law firms in Philadelphia. In 1995, Slap co-founded and served as Vice President and General Counsel to GeoSphere Systems, Inc., a startup, software development and consulting firm, specializing in emergency response and process safety management.

From 2000-2004, Slap was an Adjunct Professor of Law at the University of Cincinnati College of Law, where he taught Advanced Problems in Environmental Law and Pretrial Litigation and, was lead counsel in *Sierra Club v. Hamilton County*, 2007 U.S. App. LEXIS 24356 (6th Cir. 2007). That case resulted in a multi-billion-dollar re-build of Cincinnati's aging sewer system, reduced pollution to the Ohio River, and tens of thousands of new construction jobs. From 2004-2008, Slap was Director of The Nature Conservancy's

Colorado River Project (www.nature.org/colorado). In 2005, Mr. Slap was again awarded an AV® Peer Review Rating by Martindale-Hubbell, attesting to legal ability and professional ethics. In 2009, Slap served as a consultant to TNC's World Office in Arlington, VA.

In 2010, Mr. Slap was appointed General Counsel of Friends of the Everglades (www.everglades.org), where he directed FOE's environmental litigation. Federal litigation directed by Mr. Slap against the State of Florida and the US Environmental Protection Agency produced a historic \$880 million settlement to expand pollution filter marshes (STAs) north of Everglades National Park, which protect it from Everglades Agricultural Area (EAA) pollution. In 2012, Mr. Slap was appointed a Visiting Professor in Environmental Law at Florida International University (FIU) College of Law. In 2014, for his outstanding legal work, Mr. Slap was the recipient of the prestigious Marjory Stoneman Douglas "Defender of the Everglades Award."

In 2012, Mr. Slap was retained as lead counsel to Biscayne Bay Waterkeeper in a Clean Water Act citizen suit against Miami-Dade County's overflowing and polluting sewage system. This became the first case in the US where citizens sued their government to make major public infrastructure more climate ready by using the US Army Corps of Engineers Sea Level Rise Model. The case was successfully resolved with the County being legally obligated to adopt a new sea level rise-ready basis of design of its three sewage treatment plants and major system upgrades. Again, tens of thousands of new construction jobs were generated by this legal case.

Mr. Slap is presently retired from the practice law in Ohio, Pennsylvania, New Jersey, and Florida. He is admitted to the Bars of the Supreme Court of the United States, the United States Courts of Appeal for the Third, Fifth and Sixth Circuits, the United States District Courts for the Eastern and Middle Districts of Pennsylvania, the District of New Jersey, and the Southern District of Ohio.

In late 2014, Mr. Slap founded and is the President and CEO of Coastal Risk Consulting, LLC (www.riskfootprint.com). Coastal Risk developed the innovative, RiskFootprint™ technology, one of the first online, software-as-a-service tools for assessments of floods, natural hazards, extreme weather, and climate change impacts. The mission of RiskFootprint™ is to help individuals, communities, businesses, and governments make their properties safer, more sustainable, and resilient.

In addition to numerous journal and magazine articles, Mr. Slap has authored two book chapters, "Citizen Suits in Pennsylvania" (Pennsylvania Environmental Law and Practice, Pennsylvania Bar Institute, 1999 Supp.) and "The Legal Aspects of Indoor Air and Health" (Hanley and Belfus, 1995). "Pennsylvania Environmental Law and Practice" won the Association for Continuing Legal Education's Best of 1999 Award for Outstanding Achievement in Publications. Some of his other publications include: "Generator Liability for Hazardous Wastes," 5 ALI/ABA Course Materials Journal, 95-106 (April, 1981); "Fallout from Three Mile Island: Direct Access to District Court," The National Law Journal, June 22, 1981, pp.28-29; Book Review, "NEPA Law and Litigation," Trial, September, 1985; "Punitive Damages in Toxic Torts," The Barrister, Spring, 1989; "The 'Chateaugay'

Decision: Collision of Bankruptcy and Environmental Law,” Toxic Law Reporter, Vol. 5, Nov. 4 (June, 1990); “Just Compensation for Wetlands Condemnation,” Tri-State Real Estate Journal, May, 1991; “Are Forensic Experts and Endangered Species,” Journal of Forensic Sciences, May, 1991; “Citizen Suits and Attorney’s Fees in Pennsylvania,” Pennsylvania Environmental Law and Practice, Pennsylvania Bar Institute, 1994 (1999, Supp.); “The Legal Aspects of Indoor Air and Health,” Effects of the Indoor Environment on Health, Hanley and Belfus (1995); “Will States Go Scot-Free Under *Florida Seminole* Ruling?” Pennsylvania Law Weekly, April 22, 1996, p. 11; “Expert Systems in Emergency Response,” Process Safety Symposium, Texas A&M University, 1999; “Use of Computerized Systems for Crisis Management and Incident Command,” BASF International Fire Chiefs’ Conference, Ludwigshafen, Germany, 1998; and, “Clean Water Act Citizen Suits Involving Urban Wet Weather Public Sewer Violations”, ALI-ABA Clean Water Conference, November 6-7, 2003.

Conferences, Awards, Presentations and Articles:

- Conference Co-Planner and Presenter for the Ohio State Bar Association’s Annual Environmental Law Symposium, Columbus, OH, April 29 to May 1, 2004.
- Principal author: “Roaring Fork Watershed, Measures of Conservation Success,” The Nature Conservancy, Aspen, CO, 2007.
- Chapter Contributor: “Roaring Fork Watershed, State of the Watershed Report,” Roaring Fork Conservancy, 2008 (<http://www.roaringfork.org/sitepages/pid272.php>).
- Presenter: “Moving to Climate Ready: The Public Policy Implications of Climate Science in Clean Water Act Litigation,” 14th Annual Water Information Summit, Florida International University, Oct. 23, 2013.
- Recipient, Marjory Stoneman Douglas, “Defender of the Everglades” Environmental Award, Friends of the Everglades, Earth Day, Miami, FL, 2014.
- Presenter: “Litigating Climate Readiness, Public Policy Implications of Using the Legal System to Make Critical Public Infrastructure Climate Ready.” Aspen Institute-Nicholas Water Forum, “Innovating for a Sustainable and Resilient Water Future,” May 28-31, 2014.
- Presenter: “Using New Technologies to Accelerate Climate Adaptation,” Al Gore’s Climate Reality Miami, October 2015.
- Presenter: “Using New Technologies to Accelerate Climate Adaptation,” University of Pennsylvania, Alumni Weekend, May 2016.
- Presenter: “Case Study Norfolk – Property-Specific Flood and Climate Risk Assessments,” America’s Renewable Energy Day, Snowmass, CO, August 2016.
- Presenter: “Getting to the Resilient Coastal Future,” CityAge Conference, Ft. Lauderdale, FL, February 2016.
- Presenter: “Insurance Industry Needs Property-Specific Flood and Climate Impact Assessments,” Insurance Business America, Master Class, March 2017, Orlando, FL.
- Presenter: National Association of Insurance Commissioners (NAIC) Annual Summit, Denver, CO, April 10, 2017.
- Presenter: Reinsurance Association of America/PCIAA National Flood Conference, Washington, DC, May 2, 2017.
- Presenter: “CAT Risk 2017”, Insurance Business America, Master Class, July 12, 2017, San Ramon, CA.

- Presenter: Hoover Institution Workshop on Climate Change and Insurance, Washington, DC, August 4, 2017.
- Presenter: "Flood and Climate Risk Assessments for the Insurance Industry," Private Risk Management Association Annual Summit, Tempe, AZ, November 5, 2017.
- Presenter: "The Future of Flood Summit," Insurance Business Magazine, Miami, FL, November 16, 2017.
- Presenter: "Getting to the Resilient Coastal Future," CityAge DC, November 30, 2017.
- Presenter: CITIES 2030: "What the Future Holds", SUSTAINATOPIA 2018 – San Francisco, April 3, 2018.
- Presenter: Chartered Financial Analysts Institute - "New Technologies Help Identify and Quantify Physical Flood and Climate Risks in Investment Portfolios." Amsterdam, Paris, Frankfurt and London, March 2018.
- Presenter: American Bar Association Real Property Trusts and Estates Spring Symposium, "The Role of Lawyers in Achieving Resilience in a Changing Climate," Orlando, FL, May 11, 2018.
- Presenter: "New Ways of Knowing I: The Power of Data & Visualization of the Future," 10X Water Summit Center for Coastal and Deltaic Solutions, Baton Rouge, LA May 16-17, 2018.
- Presenter, Private Risk Management Association Webinar, "Helping High Net Worth Clients with Flood and Natural Hazard Risk Management," September 20, 2018.
- Presenter, Flood Risk Workshop, NASA/CSDMS, "Data Needs in Flood and Natural Hazard Risk Assessments," Boulder, CO, October 2, 2018.
- Improving High Net Worth and Commercial, Flood Insurance Experience, Flood Risk Summit, Miami, FL, November 29, 2018.
- "Despite new resilience programs, more needs to be done to protect the people living and working in existing buildings," By: Albert J. Slap, President Coastal Risk Consulting, LLC June 17, 2019, <https://www.theinvadingsea.com/2019/06/17/despite-new-resilience-programs-more-needs-to-be-done-to-protect-the-people-living-and-working-in-existing-buildings/>
- "Protecting Our Most Vulnerable from Storm Surge and Flooding," By: Albert J. Slap, Coastal Risk Consulting June 28, 2019, <https://www.theinvadingsea.com/2019/06/28/protecting-our-most-vulnerable-from-storm-surge-and-flooding/>
- "Potential buyers need to be given more information about a property's flood risks," By: Albert J. Slap, Coastal Risk Consulting, July 2, 2019, <https://www.theinvadingsea.com/2019/07/02/potential-buyers-need-to-be-given-more-information-about-a-property-s-flood-risks/>
- "Will the Oysters Save Us?" By: Albert J. Slap, President, Coastal Risk, July 09, 2019, <http://www.sun-sentinel.com/opinion/commentary/fl-op-com-living-shorelines-slap-flood-20190709-kawkih5cvzb3jnz7hbotmbmlmy-story.html>
- "Combatting Sea Level Rise Requires 'Top Down' and 'Bottom Up' Approaches," By: Albert J. Slap, President, Coastal Risk, July 13, 2019, <https://www.theinvadingsea.com/2019/07/13/combating-sea-level-rise-requires-top-down-and-bottom-up-approaches/>

- “The Florida PACE program could be a vital new source of money for people who want to make their properties more resilient to flooding,” By: Albert J. Slap, President, Coastal Risk Consulting, July 25, 2019, <https://www.theinvadingsea.com/2019/07/25/the-florida-pace-program-could-be-a-vital-new-source-of-money-for-people-who-want-to-make-their-properties-more-resilient-to-flooding/>
- “Your retirement savings are invested in green funds, but are they resilient? New technology may help answer that question.” By Albert J. Slap, Coastal Risk Consulting, The Invading Sea, August 5, 2019. <https://www.theinvadingsea.com/2019/08/05/your-retirement-savings-are-invested-in-green-funds-but-are-they-resilient-new-technology-may-help-answer-that-question/>
- “A conundrum for affluent property owners: does it make sense to build a higher home in a neighborhood that faces chronic flooding?” By Albert J. Slap, Coastal Risk Consulting August 16, 2019. <https://www.theinvadingsea.com/2019/08/16/a-conundrum-for-affluent-property-owners-does-it-make-sense-to-build-a-higher-home-in-a-neighborhood-that-faces-chronic-flooding/>
- Presenter - “The New ‘Big Short’ and the ‘Moneyball’ of Climate Change Or...How to Avoid Mispricing Assets in a Changing World,” Environmental Bankers’ Association webinar, September 16, 2019
- "Technology and Precise Data Can Help Lenders and Investors Avoid Mispricing Assets Threatened by Extreme Weather and a Warmer Climate," By: Albert J. Slap, President, Coastal Risk Consulting 09/27/2019, <https://www.theinvadingsea.com/2019/09/27/technology-and-precise-data-can-help-lenders-and-investors-avoid-mispricing-assets-threatened-by-extreme-weather-and-a-warming-climate/>
- “Buying property is emotional. Tech can help people understand their home's climate risk." Marketplace Tech, October 1, 2019, <https://www.marketplace.org/shows/marketplace-tech/buying-property-is-emotional-tech-can-help-people-understand-their-homes-climate-risk/>
- “To Manage the Threats from the Warming Climate, We Need to Follow Warren Buffet's Noah Rule," By: Albert J. Slap, President, Coastal Risk Consulting, The Invading Sea, October 24, 2019. <https://bit.ly/2WdeZcF>
- AWS Government, Education, & Nonprofits Blog, February 27, 2020, “Accelerating climate resilience through asset-level risk assessment insights.” <https://aws.amazon.com/blogs/publicsector/accelerating-climate-resilience-asset-level-risk-assessment-insights/>
- “Keeping Critical Water Infrastructure Safe and Resilient,” April 16, 2020, Storm Water Solutions, <https://www.estormwater.com/flood-control/keeping-critical-water-infrastructure-safe-and-resilient>
- “Broward County adopts regulations that require property owners to fix seawalls and disclose whether property is in ‘tidal-flooding area,” The Invading Sea, April 28, 2020, <https://www.theinvadingsea.com/2020/04/28/broward-county-adopts-regulations-that-require-property-owners-to-fix-seawalls-and-disclose-whether-property-is-in-tidal-flooding-area/>
- **For additional articles, podcasts, and presentations, see -** <https://riskfootprint.com/corp-news/>.

Community Activities (Examples):

Town of Snowmass Village, Environmental Advisory Board – 2018 - 2019
Board Member - Friends of the Everglades – 2010 - 2015
The Nature Conservancy – Caribbean Advisory Council – 2010 - 2015
Participant - Roaring Fork Leadership Program – 2007 - 2008
Member - Roaring Fork Watershed Plan Organizing Committee - 2007 – 2008
PTA President, Glendale, Ohio – 2001 - 2003
Village Solicitor, Glendale, Ohio – 2001 - 2003
Chapter Trustee, The Nature Conservancy, Pennsylvania – 1986 - 1994

Reported Cases (Examples):

Sierra Club, et al v. Hamilton County Bd. of Commissioners, 2007 U.S. App. LEXIS 24356 (6th Cir. 2007); *Susquehanna Valley Alliance v. Three Mile Island Nuclear Reactor*, 619 F 2d 231 (3d Cir. 1980), *cert den*, 449 U.S. 1096 (1981); *Locust Lane v. Swatara Township Authority*, 636 F.Supp. 534 (M.D. PA 1986); *City of Philadelphia v. Stepan Chemical*, 544 F. Supp. 1135 (E.D.Pa. 1982); *Philadelphia v. Stepan Chemical, et al*, 1987 U.S. Dist. LEXIS 7058 (E.D. PA); *New Hanover Twp. and Paradise Watchdogs v. Comm. of PA and New Hanover Corp.*, 1996 Pa. Envirn LEXIS 37
