

Michael Ives Volk, PLA

Center for Landscape Conservation Planning

Department of Landscape Architecture, School of Landscape Architecture and Planning

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PROFESSIONAL EXPERIENCE

- 2012-Current **University of Florida Department of Landscape Architecture:**
Affiliate Faculty, School of Architecture (2017- Current)
Research Assistant Professor (2014- Current)
Adjunct Assistant Professor (2012-2014)
- 2009-Current **University of Florida Center for Landscape Conservation Planning:**
Project Coordinator and Landscape Planner
<http://conservation.dcp.ufl.edu/>
- 2009-Current **Volk Design Consultants, LLC:** Landscape Architect
<http://volkdesign.com/>
- 2008-2009 **McClain Design Group, Inc:** Landscape Designer/Project Manager
- 2007-2008 **University of Florida Department of Landscape Architecture:**
Landscape Construction Teaching Assistant
- 2006 **City of Gainesville Community Redevelopment Agency:**
Façade Grants Program Intern
- 2006 **Town of High Springs Planning Department:** Planning Intern
- 2005-2007 **University of Florida Community Outreach Partnership Program:**
Graduate Assistant
- 2003 **Taliesin Architects:** Architectural Draftsman
- 2001-2002 **Roy-Fisher Associates, Inc:** Landscape Architectural Intern

EDUCATION

- 2005-2008 **University of Florida:** Masters of Landscape Architecture Degree
Certificate in Historic Preservation, 3.79 GPA.
Master Thesis: *Strategies for Adaptation to Sea Level Rise in Florida*
- 2007 University of Florida Preservation Institute, Mt Lebanon Shaker Village
- 2006 University of Florida Paris Research Center, Paris France
- 2003-2005 **Taliesin, Frank Lloyd Wright School of Architecture:**
Bachelor of Architectural Studies Degree, 3.75 GPA
- 2000-2001 **Palm Beach Community College:** Associate of Arts Degree, 3.9 GPA
- 1996-2000 **A.W. Dreyfoos School of the Arts High School:**
Graduate with Honors, 3.7 GPA

PROFESSIONAL AFFILIATIONS

2010-Current Florida Registered Landscape Architect #6667072 (inactive)

COURSES TAUGHT

2018 Instructor, Planting Design Studio (Graduate/Undergraduate)
2013-2018 Co-Instructor, Ecological Issues in Sustainability (Online Course, Graduate)
Includes site analysis, site and neighborhood design, adaptive management, and governance modules
2016-18 Co-Instructor, Singapore and Groningen study abroad programs (Graduate)
2012, 2014-17 Instructor, Environmental and Ecological Policy Seminar (Graduate)
2014-2018 Co-Instructor, Landscape Management (Graduate/Undergraduate)
2013-2016 Co-Instructor, Environmental Planning and Design Studio (Undergraduate)
2014-2015 Co-Instructor, Environmental Planning and Design Studio (Graduate)
2007-2008 Teaching Assistant, Landscape Construction Studio 1 & 2

SERVICE (NON-ACADEMIC)

2010-2013 Alachua County Certified Master Gardener
2010-2013 City of Gainesville Historic Preservation Board
2008-2011 Historic Gainesville Inc. Secretary (2009-2010),
Vice President (2010-2011), President (2011)

AWARDS

2018 College of Design, Construction and Planning Travel Grant (\$1,500)
2014 APA Student Project Award for Excellence in Small Town and Rural Planning
2008 University of Florida ASLA Award of Honor
2006 Florida ASLA Award
2005 Taliesin Research and Travel Grant (\$500)
2005 Taliesin Fellows Memorial Award
1999 Boy Scouts of America Eagle Scout

PEER REVIEWED PUBLICATIONS

G: Graduate students who I either supervised or whose committees I served on during the time the research was conducted

Published or In Press

Volk, M., Hansen, G., Nettles, B^G. (2018). Creating an Initiative to Meet Climate Change Information Needs for Landscape Architects. In Calorosso, C. and Clements, T. (Eds.), *Transforming the Discussion: Breaking our Landscape Architecture Chrysalis*. 2018 Council for Educators in Landscape Architecture (CELA) Conference Proceedings.

- Volk, M.**, Hansen, G., Nettles, B.[Ⓒ]. (2018). Incorporating Climate Change into Landscape Architectural Projects and Practice. In Nawari, N., Clark, N. (Eds). *Tropical Storms as a Setting for Adaptive Development and Architecture: iNTA 2017*. 6th International Network of Tropical Architecture 2017 Conference Proceedings.
- Volk, M.**, Hctor, T. S., Nettles, B. B.[Ⓒ], Hilsenbeck, R., Putz, F. E., & Oetting, J. (2017). Florida land use and land cover change in the past 100 years. In E. P. Chassignet, J. W. Jones, V. Misra, & J. Obeysekera (Eds.), *Florida's climate: Changes, variations, & impacts* (pp. 51–82). Gainesville, FL: Florida Climate Institute. <https://doi.org/10.17125/fci2017.ch02>
- Dobbs, B.[Ⓒ], **Volk, M.**, Nawari, N. (2017). Living Shoreline Treatment Suitability Analysis: A Study on Coastal Protection Opportunities in Sarasota County. *Journal of Sustainable Development*, 10(1), 55-70.
- Zhu, M.[Ⓒ], Hctor, T., **Volk, M.**, Frank, K., Zwick, P., Carr, M., Linhoss, A. (2015). Spatial Prioritization to Conserve Biodiversity in Response to Sea Level Rise and Land Use Change in the Matanzas Basin, Northeast Florida. *Landscape and Urban Planning*, 144(2015), 103-118.
[doi:10.1016/j.landurbplan.2015.08.018](https://doi.org/10.1016/j.landurbplan.2015.08.018)
- Volk, M.**, Frank, K., Nettles, B.[Ⓒ]. (2015). Managing Coastal Change in the Cultural Landscape: A Case Study in Yankeetown and Inglis, Florida. *Change Over Time*, 5(2), 226-246. DOI: 10.1353/cot.2015.0018
- Zhu, M.[Ⓒ], Hctor, T., **Volk, M.**, Frank, K., Linhoss, A. (2015). The Conservation Value of Elevation Data Accuracy and Model Sophistication in Reserve Design under Sea Level Rise. *Journal of Ecology and Evolution*: [doi: 10.1002/ece3.1669](https://doi.org/10.1002/ece3.1669)
- Zhu, M.[Ⓒ], Xuesong, X., Hctor, T., **Volk, M.** (2015). Integrating Conservation Costs into Sea Level Rise Adaptive Conservation Prioritization. *Global Ecology and Conservation*:
[doi:10.1016/j.gecco.2015.05.007](https://doi.org/10.1016/j.gecco.2015.05.007)
- Gillespie, S., **Volk, M.** (2014). A 3D Model of Complex A, La Venta, Mexico. *Digital Applications in Archeology and Cultural Heritage*: <http://dx.doi.org/10.1016/j.daach.2014.06.001>
- Reece JS, Noss RF, Oetting J, Hctor T, **Volk M.** (2013). A Vulnerability Assessment of 300 Species in Florida: Threats from Sea Level Rise, Land Use, and Climate Change. *PLoS ONE* 8(11): e80658. [doi:10.1371/journal.pone.0080658](https://doi.org/10.1371/journal.pone.0080658) (listed among the top 25% most cited PLoS ONE articles)

In Preparation or Review

- Yang, R.[Ⓒ], **Volk, M.**, Steiner, R., Hctor, T., Walters, B. An Ecologically Sensitive Approach to Non-Motorized Transportation Network Alignment. *In preparation for Landscape and Urban Planning Journal*.
- Frank, K., **Volk, M.**, Jourdan, D., Hctor, T., Zwick, P., Shirley, M., Linhoss, A., Kiker, G. Integrated and Collaborative Land Use Planning for Coastal Resilience: Considering Sea Level Rise, Development Patterns, and Conservation Priorities in the Matanzas River Basin, Florida. *In preparation for Sustainability Science*.
- Gillespie, S., **Volk, M.** A Construction History of the Tombs of La Venta. *In preparation for the Journal of Field Archeology*.

BOOK ILLUSTRATIONS AND EXHIBITIONS

- Florida Museum of Natural History. Our Changing Climate: Sea Level Rise. (2015). Florida Museum of Natural History. Gainesville, FL. *Graphics and design review*.
- Grove, D. (2014). Discovering the Olmecs: An Unconventional History. University of Texas Press. *Book illustrations*.

WHITE PAPERS AND TECHNICAL REPORTS

- Manley, D., Kuang, H., **Volk, M.**, Nelson, C. (2017). Strategies for an Effective Landscape Master Plan: Creating a More Useful Tool for Campus Planning and Design. Technical Report. University of Florida Planning, Design, and Construction, Gainesville, FL.
- The Florida Strategic Plan for Sustaining Military Readiness through Conservation Partnerships. (2016). Phase One Technical Report. US Fish and Wildlife Service, Panama City, FL.
- Oetting, J., Hctor, T., **Volk, M.** (2016). Critical Lands and Waters Identification Project (CLIP) Version 4.0. Technical Report. US Fish and Wildlife Service, Vero Beach, FL.
http://fnai.org/pdf/CLIP_v4_technical_report.pdf
- Frank, K., **Volk, M.** Jourdan, D. (2015). Planning for Sea Level Rise in the Matanzas Basin: Opportunities for Adaptation. Final Report to the National Estuarine Research Reserve System Science Collaborative, Durham, NH. <https://planningmatanzas.files.wordpress.com/2012/06/planning-for-sea-level-rise-in-the-matanzas-basin1.pdf>
- Frank, K., Jourdan, D., **Volk, M.** (2014). Planning for Coastal Change in Levy County: Opportunities for Adaptation. <https://changinglevycoast.files.wordpress.com/2012/06/planning-for-coastal-change-in-levy-county-final.pdf>
- Noss, R., Reece, J., Hctor, T., **Volk, M.**, Oetting, J. (2014). Adaptation to Sea-level Rise in Florida: Biological Conservation Priorities. Final Report. Kresge Foundation, Troy, MI.
- Oetting, J., Hctor, T., **Volk, M.** (2014). Critical Lands and Waters Identification Project (CLIP): 3.0. Final Report. US Fish and Wildlife Service, Vero Beach, FL.
- Hctor, T., Oetting, J., Noss, R.F., **Volk, M.**, Reece, J. (2014). Predicting and Mitigating the Impacts of Sea Level Rise and Land Use Change on Imperiled Species and Natural Communities. Final Report. Florida Fish and Wildlife Conservation Commission, Tallahassee, FL.
- Frank, K., **Volk, M.**, Reiss, S., Zeng, R., Rosenbloom, J., Bennett, K. (2013). Yankeetown-Inglis: Strategies for Adaptation to Coastal Change: A Guidebook for Resiliency.
<http://changinglevycoast.files.wordpress.com/2013/12/yankeetown-inglis-adaptive-design-report.pdf>
- Hctor, T., **M. Volk, M.** Spontak. (2013). Updating the Florida Ecological Greenways Network. Final Report. Florida Fish and Wildlife Conservation Commission, Tallahassee, FL.
- Volk, M.**, Ruppert, T., Deyle, R. (2013). Sinking Assets: A Decision Framework and Strategies for Adaptation to Sea Level Rise in Florida. *Florida State University Department of Urban and Regional Planning*. [h http://wcu.edu/WebFiles/PDFs/Sinking_Assets_Florida.pdf](http://wcu.edu/WebFiles/PDFs/Sinking_Assets_Florida.pdf)

RECENT SIGNIFICANT PROJECTS

(Total grant awards in parenthesis)

- 2017-Current **Incorporating Climate Change into Landscape Architectural Projects and Practice:** *Principal Investigator*. Funding to date: \$24,971.
- 2015-Current **The Florida Strategic Plan for Sustaining Military Readiness through Conservation Partnerships:** *Co-Principal Investigator*. Funding since 2015: \$322,330. Tom Hoctor, PI.
- 2007-Current **Reconstructing the Archeological History of La Venta Complex A:** *Project Manager*. Susan Gillespie, PI.
- 2017 **University of Florida Landscape Master Plan Qualitative Research:** *Associate Investigator*. Funding to date: \$3,200. Dan Manley, PI. (\$14,000)
- 2013-2016 **Updating the Critical Lands and Waters Identification Project (CLIP) 3.0 Database:** *Co-Principal Investigator*. Funding since 2013: \$171,094. Tom Hoctor, PI.
- 2014-2015 **Reimagining the Form of Rural Coastal Communities in Response to Sea Level Rise:** *Associate Investigator*. Funding to date: \$18,717. Kathryn Frank, PI. (\$150,000).
- 2012-2014 **Rural Adaptation Planning for Sea Level Rise in Levy County:** *Project Manager*. Funding to date: \$200,000. Kathryn Frank, PI. <http://changinglevycoast.org/>
- 2011-2014 **Predicting and Mitigating the Effects of Sea Level Rise and Land Use Changes on Imperiled Species and Natural Communities in Florida:** *Co-Principal Investigator/Project Manager*. Funding to date: \$269,724. Tom Hoctor, PI.
- 2011-2014 **Planning for Sea Level Rise in the Matanzas Basin:** *Project Manager*. Funding to date: \$618,377. Kathryn Frank, PI. *Published in the November 2013 issue of Landscape Architecture Magazine.* <http://planningmatanzas.org/>
- 2011-2012 **Community Design Guidelines, Blight Eradication Policy and Survey Assistance, and Transportation and Open Space Master Plan Design, Millville Community Redevelopment Area, Panama City, FL:** *Landscape Architect and Prime Consultant*. <http://www.volkdesign.com/Planning-%20Millville.htm>
- 2009-2010 **Transportation and Open Space Master Plan, Bagdad, FL:** *Landscape Architect and Prime Consultant*. <http://volkdesign.com/Planning-%20Bagdad%20Masterplan%201.htm>
- 2008-2009 **Historic Mill Site Master Plan, Bagdad, FL:** *Landscape Architect and Prime Consultant*. <http://volkdesign.com/Planning-%20Bagdad%20Mill%20Site.htm>
- 2008-2009 **Gainesville Regional Utilities Eastside Operations Center:** *Landscape Designer*, McClain Design Group, Inc.

RECENT PRESENTATIONS

- Volk, M., Hansen, G., Nettles, B^G. (2018). Creating an Initiative to Meet Climate Change Information Needs for Landscape Architects. *Presentation at the Council for Educators in Landscape Architecture (CELA) Annual Conference*. Blacksburg, VA.

- Volk, M., Hansen, G., Nettles, B.^G. (2017). Incorporating Climate Change into Landscape Architectural Projects and Practice. *Presentation at the 6th Annual International Network of Tropical Architecture Conference*. Gainesville, FL.
- Yang, R., Steiner, R., Volk, M., Walters, B. (2017). Optimizing Transportation Networks Based on Ecological Suitability: An Innovative Approach to Integrating Non-Motorized Transportation Efficiency with Urban Ecology. *Poster session presented at the 5th Annual UTC Conference for the Southeastern Region*. Gainesville, FL.
- Volk, M. (2017). Technical Analyses of Coastal Change in Cedar Key and Levy County. *Presentation at the Florida Chapter of the Sierra Club Cedar Key Climate Conference*. Cedar Key, FL.
- Hector, T., Volk, M. (2017). The Florida Strategic Plan for Sustaining Military Readiness through Conservation Partnerships. *Presentation at the College of Design Construction and Planning October Research Seminar*. Gainesville, FL.
- Volk, M. (2017). Incorporating Climate Change into Landscape Architectural Projects and Practice. *Presentation at the College of Design Construction and Planning Annual Research Symposium*. Gainesville, FL.
- Phillips, C., Hector, T., Volk, M., Ralston, R., Porteck, K., Jurena, P., Oetting, J. (2016). A Landscape Level Approach to the Air Force Sustaining Military Readiness through Conservation Partnerships in the State of Florida. *Presentation at the 2016 Southeastern Association of Fish and Wildlife Annual Conference*. Baton Rouge, LA.
- Hector, T., Volk, M. (2016). The Florida Strategic Plan for Sustaining Military Readiness through Conservation Partnerships. *Presentation at the College of Design Construction and Planning Annual Research Symposium*. Gainesville, FL.
- Noss, R., Reece, J., Volk, M., Hector, T., Oetting, J., Zwick, P., Carr, M. (2015). Population Growth and Sea-Level Rise on a Collision Course in Florida. Symposium "Ecological Economics and Planetary Stewardship: Making Up for Lost Time". *Presentation at the 2015 ESA Annual Meeting, August 9-14*. Baltimore, MD.
- Volk, M. (2015). Climate Change 101: Environmental Implications for Florida Parks and Resources. *Presentation at the 2015 National Park Service Climate Friendly Parks Workshop*. St Augustine, FL.
- Hector, T., Volk, M. (2015). Adaptation to Sea Level Rise in Florida: Biological Conservation Priorities. *Presentation at the College of Design Construction and Planning Annual Research Symposium*. Gainesville, FL.
- Volk, M., Flagg, B., Niemann, B., Dennis, J. (2013). Sea Level Rise in Florida: Legal, Planning, and Design Implications for Landscape Architects. *Presentation at the 2013 Florida Chapter of the American Society of Landscape Architects State Conference*. St. Petersburg, FL.
- Volk, M. (2012). Building up from the Blight: Policy Options for Eradicating Blight. *Presentation at the quarterly Waterfronts Florida Program Managers Conference*. Panama City, FL.
- Hector, T., Noss, R., Oetting J., Volk, M., Reece, J. (2011). Sea Level Rise: Biodiversity Impacts and Adaptation Strategies. *Poster session presented at the Florida Climate Institute Annual Event*. Gainesville, FL.
- Volk, M. (2011). The State of Sea Level Rise: Community and Site Planning Strategies for Adaptation to Sea Level Rise in Florida. *Presentation at the 2011 Florida Chapter of the American Society of Landscape Architects State Conference*. West Palm Beach, FL.
- Volk, M. (2010). Strategies for Adaptation to Sea Level Rise. *Presentation at the 2010 Florida Institute for Conservation Science Symposium, Archbold Biological Station*. Lake Placid, FL.

- Volk, M. (2009). Strategies for Adaptation to Sea Level Rise. *Presentation at the 2009 Florida Chapter of the American Society of Landscape Architects State Conference*. Fort Myers, FL.
- Gillespie, S., J. Toney, and M. Volk. (2009). Mapping La Venta Complex A: Archival Archeology in the Digital Age. *Poster session presented at the annual meeting of the Society for American Archeology*. Atlanta, GA.
- Volk, M. (2008). Strategies for Adaptation to Sea Level Rise. *Presentation at the quarterly Waterfronts Florida Program Managers Conference*. Daytona Beach, FL.
- Noss, R., T. Hactor, M. Volk, S. Beyeler, J. Oetting, J. Weiss, and J. Overpeck. (2008). Between the Devil and the Deep Blue Sea: Characteristics of Terrestrial Climate Sensitive Species (necessity of adaptive land corridors). *Presentation at the Florida Fish and Wildlife Commission Summit: Florida's Wildlife: On the Frontline of Climate Change*. Orlando, FL.
- Noss, R., T. Hactor, M. Volk. (2008). Determining Priorities for Conservation, Restoration, and Adaptation in Highly Dynamic Land-Sea Interfaces. *Presentation at the Society for Conservation Biology annual meeting*. Chattanooga, TN.
- Ankersen, T., T. Ruppert, and M. Volk. (2006). Waterfront Design Guidelines (Principles and Best Practices). *Presentation at the quarterly Waterfronts Florida Program Managers Conference*. Port St. Joe, FL.

STUDENT COMMITTEES

Doctoral

2015-Current Belinda Nettles. In progress. (Ph.D. Committee Member)

Masters

- 2018 Kim Pollard. Gauging Public Perception of Landscape Architecture. (Chair)
- 2018 Lea Kindt. Conversations on Maintenance: Design Strategies for Landscapes that Change. (Member)
- 2017 Eliana Eliana. Effective Urban Configurations along Ventilation Corridors to Mitigate Urban Heat Island (UHI) Effects in Bandung City, Indonesia. (Member). *Presented at the 2017 Seminar Nasional of Planoeearth 01, Mataram, Indonesia.*
- 2017 Kristin Buckingham. Sustainability of Ecological Restoration Projects: A Case Study of Fruit Farm Creek Mangrove Restoration. (Member)
- 2017 Xiaoyu Chen. Contemporary Stormwater Management: Green Roofs and Walls. (Member)
- 2017 Ruiyuan Yang. Optimizing Transportation Networks Based on Ecological Suitability. (Member)
- 2017 Brandon Ekman. User Preference for Prescribed and Non-prescribed Play Equipment. (Chair)
- 2017 Youchu Wu. A Comparison of Playground Evaluation Methods to Inform Nature Based Playground Design. (Chair)
- 2016 Briana Dobbs. Living Shoreline Treatment Suitability Analysis: A Study on Coastal Protection for Sarasota County. (Co-Chair)

- 2016 Leslie Babiak. Quantifying the Ecological, Social, and Economic Benefits of Designed Landscapes: A Performance-based Case Study of Kissimmee Florida's Lakefront Park. (Chair)
- 2016 Jacqueline Bayliss. Repurposing the East Coast Railway: Keys Extension. (Chair)
- 2015 Ying Wei. The Application of Green Infrastructure in Chinese Urban Stormwater Management. (Member)
- 2015 Christie Allen. Strategies for Addressing Sea Level Rise and Sprawl Repair in Brevard County, Florida. (Member)
- 2015 Claudia Visconti. Adaptation to Coastal Change: Strategies for Evolving and Maintaining the Vernacular Landscape in the Face of Coastal Change. (Member)

ACADEMIC COMMITTEES

- 2014-18 UF Department of Landscape Architecture Faculty Search Committee (Chair and Member)
- 2016-17 SLA&P Faculty Mentorship Committee
- 2016-17 SLA&P Website Committee
- 2015 UF School of Landscape Architecture and Planning GeoPlan Director Search Committee