

# PATRICK M. MARCHMAN, AICP

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## PROFESSIONAL SUMMARY

- **PLANNING:** American Institute of Certified Planners (AICP)-certified professional with nearly ten years of experience. Experienced in environmental, community, natural hazard mitigation, floodplain, coastal and watershed planning in urban, suburban and rural contexts. Expertise in smart growth and planning for climate change adaptation; experience working with FEMA, EPA and HUD, as well as states and localities.
- **NATURAL & CULTURAL RESOURCES MANAGEMENT:** Very strong experience with regulatory issues involving the National Environmental Policy Act (NEPA), the Endangered Species Act (ESA), the National Historic Preservation Act (NHPA), the Coastal Zone Management Act (CZMA), and the Clean Water Act, among others. Experience analyzing, editing, and supervising the preparation of environmental assessments (EAs) and environmental impact statements (EIS). Deep academic and professional knowledge of water resources and stormwater issues.
- **TECHNICAL EXPERIENCE/working knowledge of** watershed management and ecology, climate change adaptation, fisheries biology (anadromous, freshwater and marine), permaculture, energy issues, hydrology, basic surveying tools and techniques, and environmental engineering. Will take exam for LEED GA certification within next six months.
- **PROGRAM/PROJECT MANAGEMENT:** Demonstrated ability to solve problems and achieve results for diverse programs of various sizes. Experienced with budget formulation, regulatory interpretation, organizing training, contract and program oversight, team supervision, and coordination with field staff. Experience managing projects at all levels.
- **DATA INTERPRETATION/ANALYSIS:** Extensive experience with statistical and data analysis using SAS, SPSS and Excel. Expertise in GIS (ArcGIS, Geoportal, Saver2, HAZUS-MH), databases (Access, SQL Server), presentation software (Powerpoint, Prezi), intra/internet tools (SharePoint, Drupal) and project management tools (Microsoft Project).
- **COMMUNICATIONS/PARTNERSHIP SKILLS:** Solid background in intergovernmental relations on Federal, state, and local levels. Experience in making public presentations to wide range of audiences. Experienced professional writer/editor.
- **RELOCATION:** Willing to relocate.

## PROFESSIONAL LICENSES AND CERTIFICATIONS

- American Institute of Certified Planners, Membership #237074, 2011-present.
- Federal Contracting Officer's Representative (DHS Tier II), 2009-present.

## WORK EXPERIENCE

U.S. FEDERAL EMERGENCY MANAGEMENT AGENCY - ARLINGTON, VA

Oct. 2010 to present

### COMMUNITY PLANNER

- **NATURAL HAZARDS MITIGATION PLANNING:** Plan and develop policy and procedures for natural hazards mitigation and floodplain planning. Manage project to collect climate change adaptation resources in support of nationwide hazard mitigation planning. Support effort to develop resources for integration of hazard mitigation and floodplain planning into local comprehensive planning. Review local hazard mitigation plans for compliance with national standards.
- **WORK CLOSELY WITH EPA OFFICE OF SUSTAINABLE COMMUNITIES AND FEMA RECOVERY DIRECTORATE** to closely integrate natural hazard mitigation into sustainable communities efforts; produce factsheets for management.
- **ENVIRONMENTAL PLANNING:** Support FEMA compliance with full range of environmental laws, regulations and executive orders, including NEPA. Develop milestones and implementation plan for preparation of National Flood Insurance Program EIS. Edit and rewrite portions of AR-A99 flood zone EA.
- **ASSESS RISK AND ANALYZE NATURAL HAZARDS DATA:** Work with ArcGIS-based tools such as HAZUS-MH to better understand relevant flood and fire risks to states and localities. Analyze national mitigation plan status data.
- **SELECTED ACCOMPLISHMENTS:**
  - **SERVED AS PRIMARY INTERGOVERNMENTAL AFFAIRS (IGA) SPECIALIST, 09/2011 – 10/2011**, supporting recovery efforts in 5-county area in southeastern New York State from flooding caused by Tropical Storm Lee. Built solid working relationships with local officials. Described in post-disaster performance appraisal as “A huge asset to the IGA Team... developed excellent working relationships with local government officials and operations staff... demonstrated excellent written and verbal communication skills.”
  - **SERVED AS GRANT REVIEWER, 10/2011 – 11/2011**, for U.S. Department of Housing and Urban Development's Office of Sustainable Housing and Communities Regional Planning Grants process.
  - **SERVED AT NATIONAL RESPONSE COORDINATION CENTER, 08/2012** during Hurricane Isaac. Produced GIS-based reports for staff and FEMA/DHS senior leadership briefings using ArcGIS Geoportal and Saver2.

**U.S. MARITIME ADMINISTRATION - WASHINGTON, DC**  
**TRANSPORTATION INDUSTRY ANALYST**

**Apr. 2009 to Oct. 2010**

- **ENVIRONMENTAL PLANNING:** Lead reviews of EIS and EAs for liquefied natural gas (LNG) facilities in Florida, Alabama, New Jersey and New York. Worked with U.S. Coast Guard to manage overall NEPA process. Wrote environmental sections of offshore LNG facility Deepwater Port Licenses and Records of Decision.
- **NATURAL RESOURCES MANAGEMENT:** Worked closely with Federal and state biologists to develop wetland mitigation and biological sampling plans in Florida and Alabama. Helped applicants to understand NPDES permit requirements.
- **GRANT PROPOSAL REVIEW:** In August 2010, reviewed Transportation Investment Generating Economic Recovery (TIGER) and America's Marine Highway grant applications for transportation infrastructure.
- **COMMUNICATIONS AND PUBLIC INVOLVEMENT:** Regularly prepared Secretarial and Congressional correspondence; designed and implemented a standard office-wide editorial process. Represented agency at public hearings.

**BAE SYSTEMS, INC. – WASHINGTON, DC**  
**NATURAL RESOURCES ANALYST**

**May 2008 to Apr. 2009**

- **ENVIRONMENTAL PLANNING:** Reviewed, edited and approved NEPA documentation (2 EIS and 1 EA) for U.S. Navy infrastructure projects with an estimated cost over \$700 million. Answered questions relating to stormwater issues.

**U.S. ARMY RESERVE 70<sup>TH</sup> REGIONAL READINESS COMMAND – SEATTLE, WA**  
**SENIOR ENVIRONMENTAL PLANNER (CONTRACT)**

**Jan. 2006 to Oct. 2007**

- **ENVIRONMENTAL PLANNING:** Provided NEPA review for all applicable actions on 70th RRC facilities (42 Army Reserve facilities in Washington State, Oregon and Idaho). Prepared roughly 200 Records of Environmental Consideration, several EAs and assorted documentation (FONSIs, public notices, etc.).
- **NATURAL RESOURCES MANAGEMENT/ENVIRONMENTAL HEALTH & SAFETY:** Reviewed, evaluated, and updated Spill Prevention Control and Countermeasures Plans and Storm Water Pollution Prevention Plans for several facilities. Promoted Best Management Practices for stormwater management and spill prevention. Prepared and delivered training.
- **CULTURAL RESOURCES:** NHPA compliance working with National Parks Service and Northwest tribes.
- **PROGRAM MANAGEMENT:** Drafted program budgets. Co-chaired national Program Planning & Reporting committee.

**COVINGTON WATER DISTRICT – KENT, WA**  
**PROJECT MANAGER (CAPITAL IMPROVEMENT PROJECTS)**

**Jul. 2005 to Jan. 2006**

- **PROJECT MANAGEMENT:** Managed water utility infrastructure capital improvement projects for fast-growing communities in suburban Seattle, reducing costs of projects by over 15%. Point person for NPDES, TMDL and other surface water related issues, managing permit requirements.

**RESEARCH ASSISTANT, CONSULTANT, INTERN - SEATTLE, WA**

**Aug. 2003 to Jun. 2005**

Work performed while a full-time graduate student with NMFS' Alaska and Northwest Fisheries Science Centers, the Pacific North West Economic Region, People for Puget Sound, and Sanders & Associates.

- **NATURAL RESOURCES:** Wrote ESA documentation for local dredging project. Sampled water quality in local streams.
- **DATA ANALYSIS:** Analyzed Federal and state fisheries catch data, aerial photographs and state GIS data.

**CONSULTANT – SEATTLE, WA & ATLANTA, GA**

**Aug. 1995 to Aug. 2003**

Included consulting projects for Microsoft, Battelle Memorial Institute, AT&T Wireless and Delta Airlines.

- **DATABASE ADMINISTRATION:** Six years of experience administering SQL Server and other databases.
- **DATA ANALYSIS:** Eight years of experience using SAS, SPSS and Business Objects. Excellent knowledge of ArcGIS.
- **PROJECT MANAGEMENT:** Extensive experience managing high-visibility technical projects in variety of contexts.

**EDUCATION**

- ***Certificate in Permaculture Design***, George Mason University, March 2013. Final Project: *Site Plan for Innovation Food Forest at George Mason University*.
- ***Certificate in the National Environmental Policy Act***, Duke University, September 2012. Capstone Paper: "*Little NEPAs*": *State Equivalents To The National Environmental Policy Act in Indiana, Minnesota and Wisconsin*.
- ***Certificate in Environmental Management***, University of Washington, June 2005. Final Project: *Reducing Emissions from Marine Diesel Engines*.
- ***Master of Marine Affairs***, University of Washington, June 2005.  
Master's Thesis: [\*Impacts of Land Use Changes on Salmonid Habitat Quality in the Lower Cedar River Watershed: Regional Risk Assessment and Policy Choices\*](#).
- ***Bachelor of Business Administration in Decision Sciences***, Georgia State University, August 1995.