

RESUME
ANN G. FRAZIER
annfraz@q.com

SUMMARY

My primary interests are in sustainability and the application of science to address environmental issues. I have over 12 years of experience in interdisciplinary environmental science and geography, and 13 years of experience in aerospace engineering. Areas of expertise include interdisciplinary project management; writing, editing, and presenting technical information; and research and analysis.

EXPERIENCE

National Research Council (2005-2007), Program Officer

- Coordinated studies and committees related to geospatial data policy and geographic information science. Duties included all aspects of study coordination, including developing study proposals, obtaining funding, nominating committee members, overseeing committee activities and conduct of the study, writing and editing study results, coordinating the peer review process, and publishing the report.

U.S. Geological Survey (1993-2003), Physical Scientist

- Scientific areas of study: geographic research and analysis, remote sensing, geographic information systems (GIS), land cover change analysis, ecological modeling, decision support, desert ecosystems, urban growth, abandoned mine lands, and floodplain management.
- Held several supervisory and staff positions, and was project coordinator for numerous interdisciplinary environmental studies.

Aerospace Industry (1980-1993)

- *Wyle Laboratories, Space Station Freedom Program Support Division (1989-1993), Engineering Manager.* Developed requirements, processes, and tools for managing and planning the operations of the Space Station.
- *McDonnell Douglas Astronautics Company (1983-1989), Senior Engineer.* Space Station Program: Systems engineering trade studies on Space Station design and operations. Performed in-depth analysis and defined the optimum orbital altitude strategy for the Space Station. Space Shuttle Flight Design: Developed the on-orbit trajectory and launch window for Shuttle flights. Performed integration of Shuttle ascent, descent, and on-orbit flight design into Flight Profile documents used to plan Shuttle activities.
- *Computer Sciences Corporation (1980-1983), Member of the Technical Staff.* Member of the Mission Support Team, which performed real-time orbit determination and tracking data analysis for all manned and unmanned launches.

EDUCATION AND TRAINING

- Women's Executive Leadership Program, 1996-7, plus various other management and leadership training courses
- M.S. Geographic and Cartographic Sciences, 1994, George Mason University, Fairfax, Va., GPA=4.0
- Certificate in Environmental Management, 1993, George Mason University, Fairfax, Va., GPA=4.0
- M.S. Space Technology, 1983, Johns Hopkins University, Baltimore, Md., GPA=3.5
- B.A. Physics/Astronomy, 1980, University of Virginia, Charlottesville, Va., GPA=3.6

SKILLS

- Languages - Spanish and French.
- Writing and Editing - Extensive writing and editing experience. Co-editor of volumes on ecology and hydrology, and staff officer for 3 National Research Council reports.
- Presentations - Experience in presenting to a wide variety of audiences, including White House staff, Department of Interior staff, NASA technical boards, scientific conferences and symposia, and neighborhood committees.
- Management and Leadership – Have held many positions that included project management, team supervision, staff to executive leadership, and coordination of scientific committees.

INTERESTS

- **Sustainability:** Volunteer activities in various aspects of sustainability.
- **Gardening:** Colorado Gardening Certificate, Colorado State University Extension, 2010. Rocky Mountain Gardening Certificate, Denver Botanic Gardens, in progress. Permaculture Design Certificate, Tucson AZ, 2004. Currently working to establish a community garden in my neighborhood.
- **Stained Glass**