



Engineer R&D Center
US Army Corps
of Engineers
Environmental Laboratory
CEERD-EE-C
3909 Halls Ferry Rd.
Vicksburg, MS
39180-6199
Bruce.M.Sabol@usace.army.mil
(601) 634-2297

Bruce M. Sabol, PE
Research Civil Engineer

WORK EXPERIENCE

Bruce Sabol is a Research Civil Engineer with the Environmental Systems Branch in the Environmental Laboratory, US Army Engineer Research and Development Center (ERDC). Mr. Sabol's present emphasis is in development, testing, and simulation of remote sensing sensor systems for military and environmental applications. This has included testing and simulation support for military target acquisition programs using radar, thermal infrared, visible light, laser, acoustic, and seismic sensors. Mr. Sabol has developed and hold patents in digital image processing techniques for wildlife censuses using thermal infrared cameras and in hydroacoustic signal processing techniques for detecting and mapping submersed aquatic vegetation. He has Corps district experience (Detroit) during which he was involved with environmental aspects of maintenance dredging and water quality issues.

- 1979-Present Research Civil Engineer, Environmental Systems Branch, Environmental Laboratory, ERDC
1977-1979 Research and Teaching Assistant, Biology Department, Michigan Technological University, Houghton, MI
1975-1977 Civil Engineer, Operations and Maintenance Division, US Army Corps of Engineers, Detroit, MI

EDUCATION

- Graduate over 60 semester hours of graduate engineering coursework in: acoustics, coursework signal processing, system simulation, optics, mathematics, and remote sensing,
M.S. Biology, Michigan Technological University, 1981
B.S. Eng. Environmental Science Engineering, University of Michigan, 1974

AWARDS, PROFESSIONAL CERTIFICATION, ETC.

- Registered Professional Engineer, states of Mississippi and Florida
Department of the Army, Decoration for Meritorious Civilian Service, 1991
Coastal America, Partnership Award, Narragansett Bay Eelgrass Mapping Team, 1997
Patent Awards, U.S.P.O. # 5,805,525, # 8,116,527 B1, 2012; and one pending
Department of the Army, Superior Civilian Service Award, 2002
Federal Laboratory Consortium, Technology Transfer Award, 2005
ERDC Award for Outstanding Technology Transfer, 2005
ERDC Award for Outstanding Team Effort, Countermine Phenomenology Program, 2009
Author/co-author of over 60 publications