

**David F. Maune, Ph.D., PSM, PS, GS, CP, CFM**

Dewberry & Davis

8401 Arlington Blvd.

Fairfax, VA 22031-4666

Tel: (703) 849-0396

Email: [dmaune@dewberry.com](mailto:dmaune@dewberry.com)

**Current Position:** Senior Project Manager, Remote Sensing, at Dewberry & Davis (1992 to present), including the following major responsibilities:

- Project Manager, U.S. Geological Survey (USGS) Cartographic Services Contracts I and II, and Geospatial Products and Services Contract, including topographic mapping with LiDAR, IFSAR and photogrammetry.
- Project Manager, National Oceanic and Atmospheric Administration (NOAA) Coastal Geospatial Services Contract, including topographic mapping with LiDAR, IFSAR and photogrammetry, and bathymetric mapping with sonar and bathymetric lidar.
- Project Manager, U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS), Digital Elevation Model production contract.
- Remote Sensing Specialist in support of the Federal Emergency Management Agency (FEMA) and the National Flood Insurance Program (NFIP), including service as FEMA's representative to the Technical Committee of the National Digital Elevation Program (NDEP) and author of FEMA's Appendix A (see below).
- Project Manager, coastal mapping with LiDAR, breaklines, contours, and digital orthophotos, for Florida Division of Emergency Management.
- Project Manager, Independent Quality Assurance/Quality Control (QA/QC) for LiDAR projects for FEMA, NOAA, Florida, South Carolina, North Carolina, Maryland and Pennsylvania (statewide) and hundreds of individual counties nationwide, and Independent QA/QC of digital orthophotos for statewide mapping programs in Florida, Virginia, Pennsylvania, Mississippi, Indiana, and individual counties elsewhere.

**Prior Positions:**

- Commander and Director, U.S. Army Topographic Engineering Center (TEC), 1988-1991
- Director, Defense Mapping School (DMS), 1985-1988
- Inspector General, Defense Mapping Agency (DMS), now the National Geospatial-Intelligence Agency (NGA), 1982-1985
- Commander, 652<sup>nd</sup> Engineer Battalion (Topographic), 1978-1980
- Numerous other assignments as the Army's leading specialist in Topographic Engineering during his 30-year career (1961-1991).

**Education:**

- Ph.D., Geodetic Science and Photogrammetry, Ohio State University, 1973
- M.S., Geodetic Science and Photogrammetry, Ohio State University, 1970
- B.S., Mechanical Engineering, University of Missouri, Rolla, 1961

**Publications:**

- Editor of “Digital Elevation Model Technologies and Applications: The DEM Users Manual,” 1<sup>st</sup> edition (2001) and 2<sup>nd</sup> edition (2007), published by the American Society for Photogrammetry and Remote Sensing (ASPRS).
- Principal author of “ASPRS Guidelines, Vertical Accuracy Reporting for Lidar Data,” published by ASPRS in 2004.
- Principal author of “Guidelines for Digital Elevation Data,” published by the National Digital Elevation Program (NDEP) in 2004.
- Author of Appendix A, *Guidance for Aerial Mapping and Surveying*, to “Guidelines and Specifications for Flood Hazard Mapping Partners,” published by the Federal Emergency Management Agency (FEMA) in 2003.
- Author of *Digital Elevation Model* chapter in “Digital Photogrammetry: An Addendum to the Manual of Photogrammetry,” published by ASPRS in 1997.
- Author of FM 21-32, “Terrain Analysis” and over a dozen other publications, primarily pertaining to military Terrain Analysis, during his 30-year career as an Army officer and Topographic Engineer.

**Recognition/Awards:**

- Testified before the U.S. House of Representatives, House Financial Services Committee, on modernization of the National Flood Insurance Program and the need for *LiDAR for the Nation*, June 12, 2007.
- Member of the National Geospatial Advisory Committee
- Member of the Committee on Floodplain Mapping, National Research Council
- Member of the Committee of FEMA Flood Maps, National Research Council
- ASPRS Fellow
- ASPRS Certified Photogrammetrist
- ASPRS Talbert Abrams Grand Award
- ASFPM Certified Floodplain Manager
- Professional Surveyor and Mapper, Florida
- Photogrammetric Surveyor, South Carolina
- Geodetic Surveyor, South Carolina
- Listed in: American Men and Women of Science; Who’s Who in Technology Today; Who’s Who in the East; Who’s Who in Government Service; International Who’s Who of Professionals
- Numerous military awards, including Purple Heart, Bronze Star, Legion of Merit, and Meritorious Service Medals.