

The Surveyor: Charting the World's Course – What's in the Future?

David B. ZILKOSKI, Director of the NOAA's National Geodetic Survey, USA



CURRICULUM VITAE

David B. Zilkoski received a B.S. degree from the College of Environmental Science and Forestry at Syracuse University in 1974 and a M.S. degree in geodetic science from The Ohio State University in 1979. He has been employed by National Oceanic and Atmospheric Administration (NOAA) since 1974. As a member of the NOAA's National Geodetic Survey (NGS) he participated in the new adjustment of the North American Datum and the North American Vertical Datum of 1988. In February 1998, he was named Chief of Geosciences Research Division (GRD) and, in February 2000, he was selected as Deputy Director of NGS. In February 2006, he was selected as Director, National Geodetic Survey.

As Chair of the U.S. Federal Geodetic Control Subcommittee, he's responsible for evaluating and developing guidelines for using new instrumentation and technology to generate geospatial products. Under his leadership, NGS has developed and transferred new positioning technologies such as the Shallow Water Positioning System (SWaPS) for monitoring underwater features, GPS-equipped buoys, the incorporation of geodetic data and procedures into restoration projects for determining accurate elevation models, and the use of new geodetic and remote sensing technology such as GPS, LIDAR, and IFSAR to generate shoreline and other coastal information for managers.

He has authored a number of publications on coastal subsidence, surveying, and vertical datum including a chapter in *The DEM Users Manual* (2001, The American Society for Photogrammetry and Remote Sensing, Bethesda, MD, David F. Maune, ed.). Mr. Zilkoski is Chair of the MTS Marine Geodetic Information System Committee, a past President of the American Association for Geodetic Surveying, a member of the American Geophysical Union and Maryland Society of Surveyors, and a fellow of the American Congress on Surveying and Mapping (ACSM) and the International Association of Geodesy (IAG).

The National Geodetic Survey is part of the National Ocean Service which is an office of the National Oceanic and Atmospheric Administration, an agency of the U.S. Commerce

Department. NOAA is dedicated to providing environmental stewardship of our nation's coastal and marine resources and enhancing economic security and national safety through the prediction and research of weather and climate-related events. Through the emerging Global Earth Observation System of Systems (GEOSS), NOAA is working with its federal partners to develop a global monitoring network that is as integrated as the planet it observes.

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