

Surf Board Home

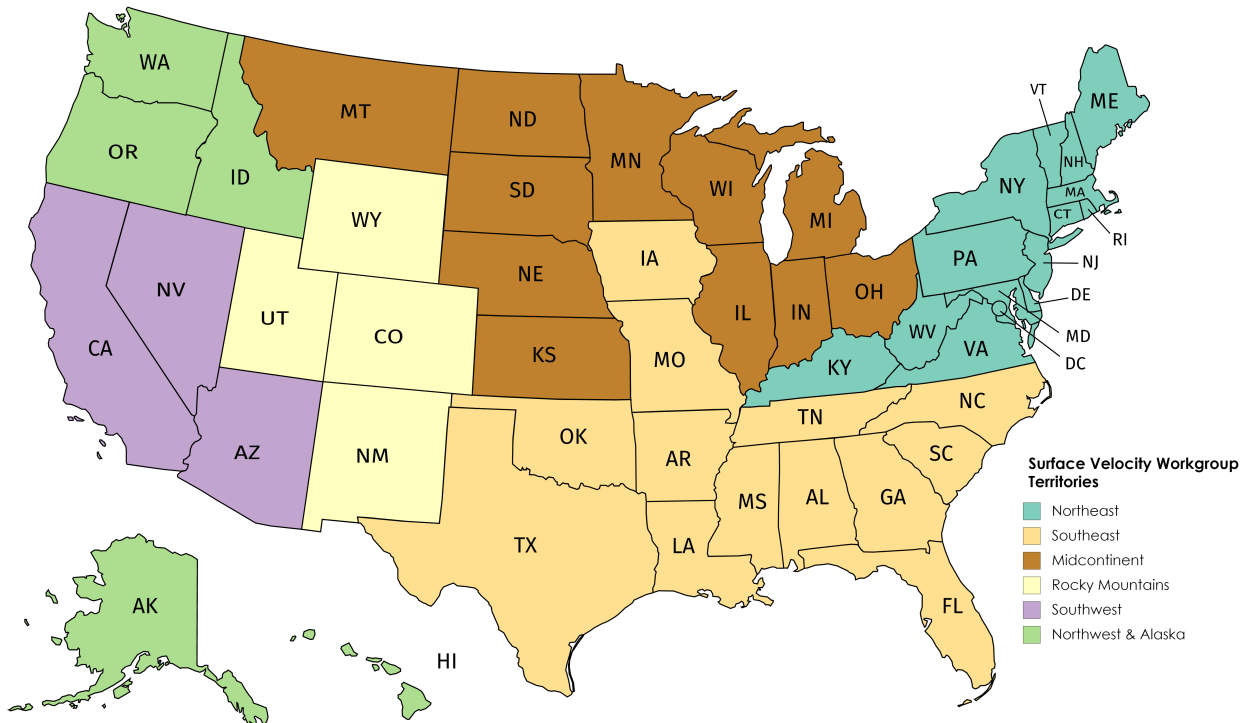
Deploy and innovate with existing near-field non-contact surface velocity technologies. Enable and support appropriate use survey wide. Apply standard of quality the USGS stakes its name on.

About Us

During the past 3–4 years, staff from U.S. Geological Survey (USGS) Water Science Centers, the National Research Program (NRP), and the Office of Surface Water (OSW) began experimenting with and adapting some new surface velocity measurement technologies. Hoping to aid in national coordination, the OSW formed this work group on surface velocity measurements and their applications to Water Mission Area (WMA) programs. The Surface Velocity Workgroup (Surf Board, for short) aims to provide guidance to OSW that will likely lead to policy and procedure guidelines for the deployment and use of surface velocity methods Survey-wide. These novel techniques have a lot of potential to help the USGS move forward with new science. There are also a many pitfalls. A major goal of the Surf Board is to make the path forward clear for the USGS.

Who We Are

We are a group of (mostly) volunteers from USGS Water Science Centers (WSC) across the United States, along with several collaborating International partners. Within the USGS, we represent the DOI Unified Regions, with each of us taking responsibility as the point of contact for our regions, as indicated in the map and table below.



Guam	Northern Mariana Islands	Puerto Rico
American Samoa	United States Virgin Islands	

Name	Region	Org Unit/Location
Jeff Kinsey	Northeast	New England WSC
Russ Lotspeich	Northeast	Virginia-West Virginia WSC
Frank Engel	Chair, Southeast	Oklahoma-Texas WSC / WMA Hydrologic Remote Sensing Branch
John Parks	Southeast	Caribbean-Florida WSC
Allen Roberts	Southeast	Virginia-West Virginia WSC
Elliot Sosa	Southeast	Office of the ACIO
Josh Keele	Midcontinent	Central-Midwest WSC
Kevin Oberg	Midcontinent	Central-Midwest WSC / WMA Hydrologic Networks Branch
John Fulton	Rocky Mountains	Colorado WSC
Terry Kenney	Rocky Mountains	Office of Quality Assurance
Carl Legleiter	Rocky Mountains	Geomorphology and Sediment Transport Laboratory
Paul Kinzel	Rocky Mountains	Geomorphology and Sediment Transport Laboratory
Jay Cederberg	Southwest	Arizona WSC
Heather Best	Northwest & Alaska	Alaska Science Center
C. Marcelo Garcia	National Univ. of Córdoba	Córdoba, Argentina
Antoine Patalano	National Univ. of Córdoba	Córdoba, Argentina
Elizabeth Jamieson	Environment and Climate Change Canada	Ottawa, Ontario, Canada
Muluken Yeheyis	Environment and Climate Change Canada	Ottawa, Ontario, Canada
Alexandre Hauet	Electricity of France	Grenoble, France

Our Purpose and Scope

Our group formed in 2016 to help guide the U.S Geological Survey in the application of Surface Velocity technologies for operational use (gaging mainly, but other uses too). We are working on **Image Velocimetry** and **Velocity Radar** applications. In short our purpose can be summarized as:

1. Providing needed technical support and guidance on the application of surface velocity measurements: **where and how do I use these technologies?**
2. Coordinating the evaluation and testing of new methods: **how do we ensure efficiency, and that technical expertise is applied where needed?**
3. Communicating findings to Water Mission Area leads and USGS scientists: **distill the message, distribute findings, cheerlead and advocate for proper use.**

Read our full charter for further details: [OSW Surf Board Charter](#)

DOI employees can visit our DOI-internal SharePoint Site: [Surfboard Information Hub](#)