

Western Regional Cooperative Soil Survey
Applied Technology Committee
2012 Final Report

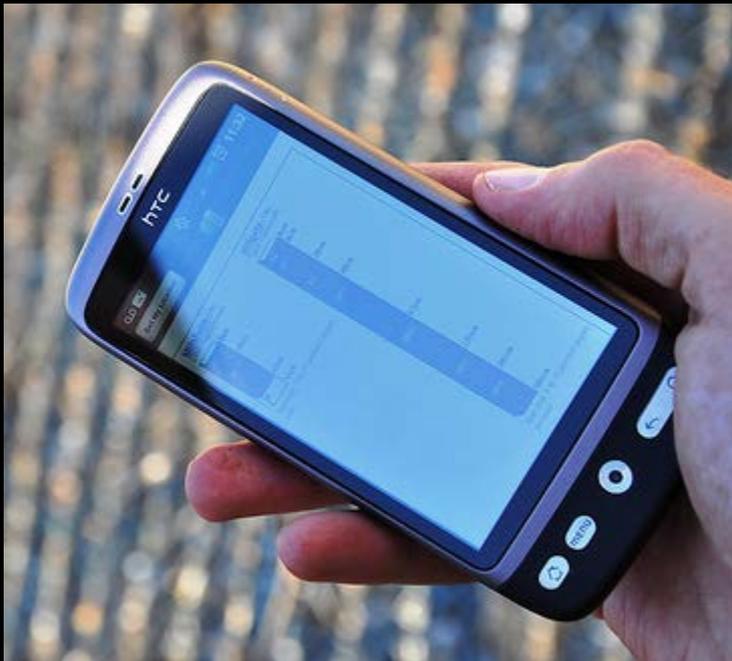
Robert Vaughan-Chair
Steve Campbell-Co-Chair

General Recommendations

- Increase use of social media
 - NSSC events
 - Updates on projects
 - Communication with public
- Streamline process for adopting new technology
 - Enterprise/issue focus teams
 - Selective use of technology by individual regions
- More opportunities for training
 - 5% of time for training and brainstorming
- Lots of technology available...integration of technology into workflow is lacking

Hardware

Increase use of smartphones and mobile mapping



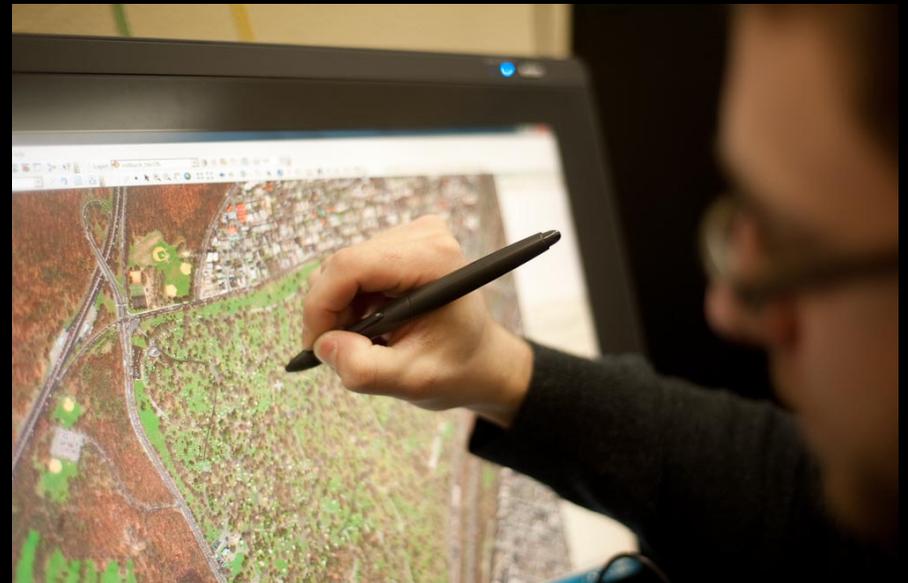
Source: blogs.usda.gov

- High-resolution photos
- GPS points
- Doubles as a safety device - Can call 911
- Reference documents
- Cheaper than a handheld Trimble GPS

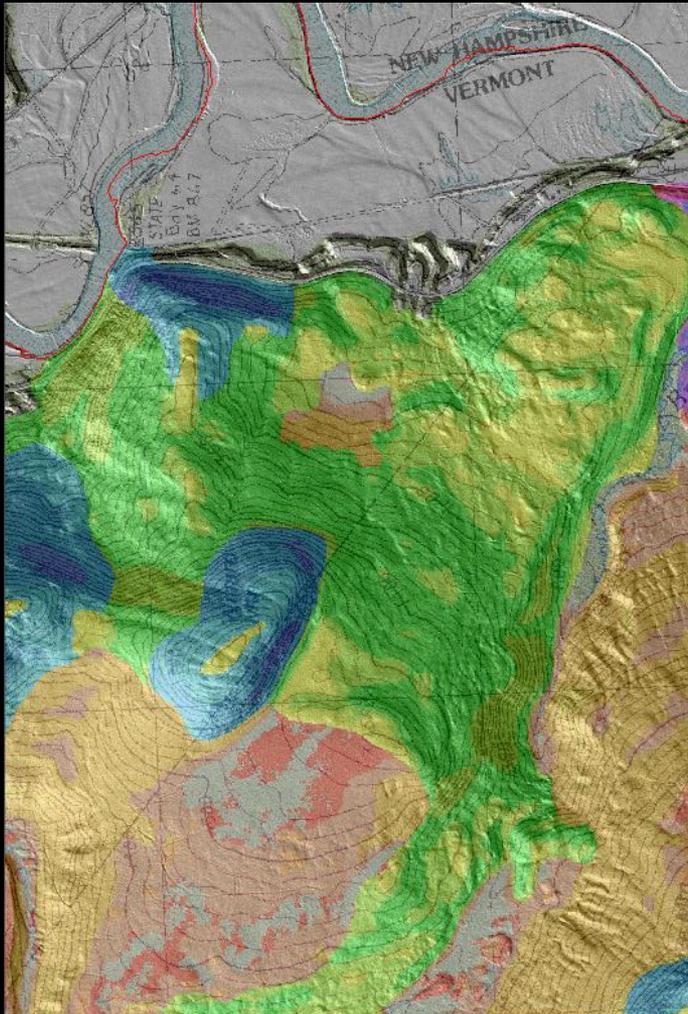
Wacom Digitizing Tablet



- Integrates seamlessly with ArcGIS
- ~50% faster mapping
- Saves time and \$\$\$

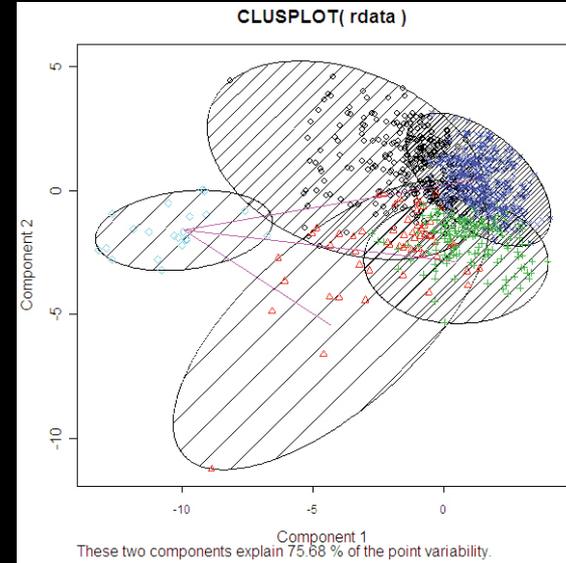


Software

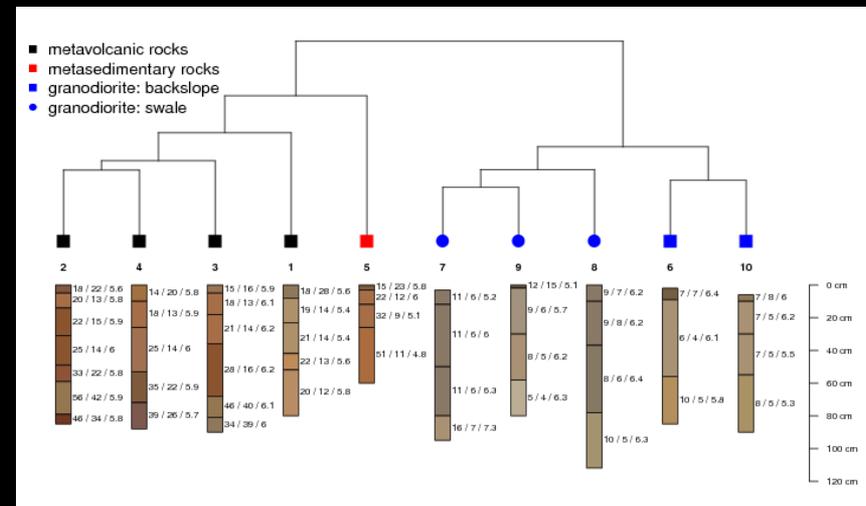


Source: arcsie.com

- ArcSIE has been updated to work on ArcGIS 10
 - New DSM class
- TEUI Toolkit is being currently being re-designed
 - Soil Survey Module
 - TEUI Module
 - ESD Module
- Expect new version in Fall 2012

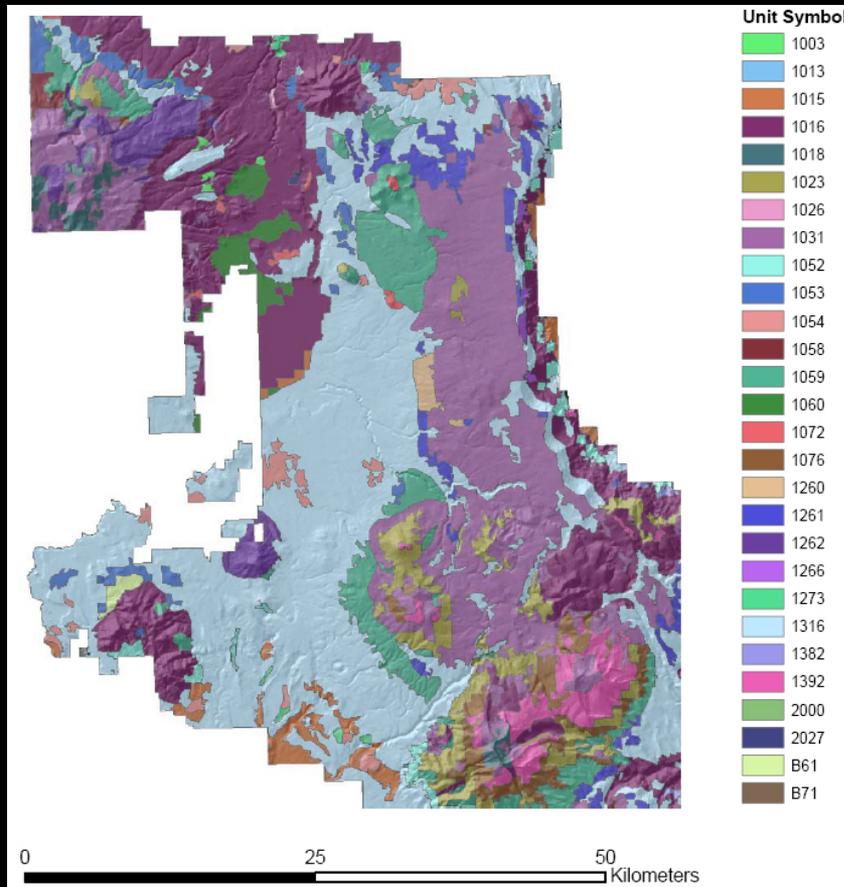


- R has been certified for use in NRCS
- Several new updates to the AQP R package



Source: <http://casoilresource.lawr.ucdavis.edu/drupal/>

West Region's current use of technology in Soil Survey



Source: www.oregonstate.edu

- USFS Region 6 \ Oregon NRCS \ Oregon State University
- Pilot project to investigate the use of lidar and data mining software such as SEE5 / Orange / etc. for accelerating TEUI mapping on federal lands.