



Earth Observation Day

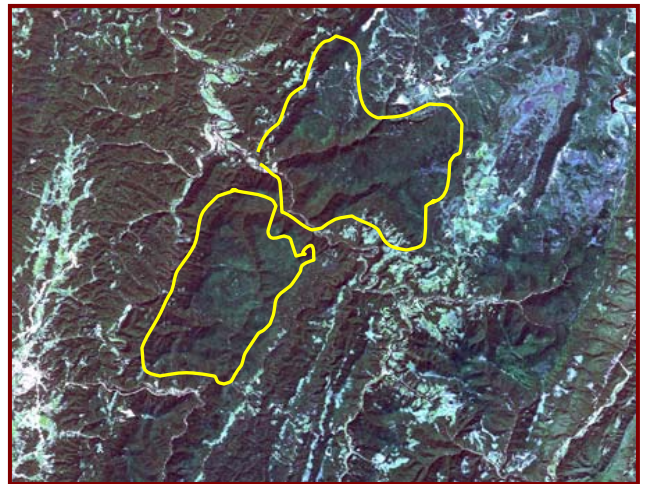
An AmericaView K-12 STEM Education Event Featuring Landsat

Engaging Students and Teachers in the Use of Landsat Data for Land Cover Mapping



Left – Teachers gather ground reference data to check the accuracy of their land cover map.

Landsat images have many uses in K-12 education. STEM (**Science, Technology, Engineering, and Mathematics**) are the most obvious disciplines, but Landsat images can also be used in **geography, social studies, and history**. Dating back to 1972, the Landsat series of satellites provide the most continuous and comprehensive record of Earth's surface features, allowing students to explore changes occurring in their local neighborhoods, and around the world.



Above - A Landsat scene of the central Appalachians was used to show areas of intact, high-elevation watersheds that provide high quality water resources for downstream communities.



Above – Students celebrate their experience in watershed mapping with the AmericaView scientist at the end of the lesson.

Thank you for spending time with my students and me on Earth Observation Day. The students really enjoyed mapping their watershed and were excited to learn about what a scientist actually does.

Stefan Smolski, Oak Glen High School, WV

Landsat Data, Geospatial Technology, and 21st Century Learning Skills

Landsat data can be used in K-12 education for:

- Environmental Science and Technology
- Watershed Mapping
- Ecological Studies – forest, range, grasslands, deserts
- Urban Studies and Planning
- Land Use – Land Cover Change Assessment
- Physical and Cultural Geography



For more information on Earth Observation Day, contact:
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