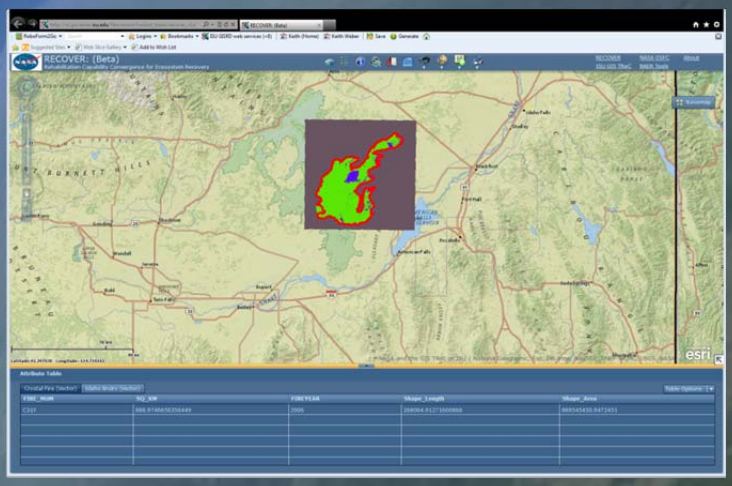
The RECOVER
Post-fire Planning Project

What is RECOVER?

Rehabilitation Capability Convergence for Ecosystem Recovery (RECOVER) is a GIS-based web map application designed to enable fire managers to develop better informed post-fire recovery plans for Savanna ecosystems.

How will it help?

RECOVER is compiling an online database of geospatial data (land cover, natural resources, transportation, etc.) for the state of Idaho. Initial layer selection was generated through discussions with fire managers and will continue to grow as the project develops.



A web map is being developed to allow our end-user team to view and query these layers using a web browser (we are looking into parallel development for mobile devices like iPhone and Android).

The web map will calculate a Rehabilitation Priority Map (RPM) based on quantitative geospatial data and expert knowledge of the fire manager.

How are we doing this?

RECOVER uses state-of-the-art cloud-based technologies that enable a rapid, site-specific response and a high-performance user-experience.

Why are we doing this?

Natural resources are important. Timely, rapid response datasets will yield better informed decisions. RECOVER adds an important new dimension to post-fire decision-making by focusing on ecosystem rehabilitation in semiarid savannas.

When will RECOVER be ready for use?

The RECOVER project began in October 2012 as a 1-year feasibility study. By June of this year, we will have the prototype web map interface ready for demonstration during the 2013 fire season.

Who do I contact to learn more about this project?

The RECOVER project is funded by NASA's Applied Sciences Program. Its Principal Investigator is Keith T. Weber at Idaho State University's GIS TReC. Keith can be contacted by e-mail at webekeit@isu.edu or using the QR-code to the right.

Other team members include: George Haskett and Tess Gardner at Idaho State University's GIS TReC; John Schnase, Roger Gill, Mark Carroll, Akiko Elders, and Molly Brown at NASA Goddard Space Flight Center.

You can also learn more about the project by visiting the project website at http://giscenter.isu.edu/research/Techpg/nasa_RECOVER or using the QR-code to the left.
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