

Great Basin Research and Management Partnership



Great Basin Consortium Meeting

January 14-15, 2013

<http://greatbasin.wr.usgs.gov/gbrmp/>

GBRMP

Mission and Goals

Promote comprehensive and complementary collaborations

- Maximize integration of science and management
- Provide leadership and commitment
- Grow inter-disciplinary, multi-organizational teams
- Commit and leverage limited resources
- Implement communication and information sharing



Partner Organizations

- Desert Research Institute
- Idaho State University
- Oregon State University
- University of Nevada, Reno
- University of Nevada, Las Vegas
- Utah State University
- Nevada Department of Wildlife
- Utah Department of Natural Resources
- National Aeronautics and Space Administration
- National Park Service
- Bureau of Land Management
- U.S. Fish and Wildlife Service
- U.S. Geological Survey
- USDA Agricultural Research Service
- USDA National Institute of Food and Agriculture
- USDA Forest Service, Region 4 and Rocky Mountain Research Station
- Natural Resources Conservation Service

GBRMP Beginnings, 2006

Workshop on Collaborative Research and Management

200 Research and management participants

Federal, Tribal, State, Local, NGO

Focus

Obtaining science information

Priority issues

Available resources

Building effective collaborations

Summary

Chambers, J. C., N. Devoe, A. Evenden. 2008. Collaborative management and research in the Great Basin – Examining the issues and developing a framework for moving forward.



General Agreement

Integrated, collaborative framework is needed to sustain Great Basin ecosystems

GBRMP

Unique Contributions

- A grassroots organization
 - Partners/collaborators from many Great Basin organizations
 - Includes: Federal – State – Local – Tribal – Private – NGO
- Mobilizes teams of researchers and managers to identify, fund and implement projects that address priority science needs
- Provides a web based clearinghouse of information for the Great Basin



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Working Groups Initiate Projects

Working Groups

- **Science Delivery**
- **Invasive Species**
- **Science Information**



[GBRMP *Project Evolution*]

Science Delivery Working Group

- Great Basin Fire Science Delivery Project
 - Funded by Joint Fire Science
 - Created a science delivery consortia
 - Develops and communicates information for managing fire in the Great Basin

Offshoot:

- Creation of restoration subgroup
- Development of needed syntheses, workshops, and field tours



[GBRMP *Project Evolution*]

Invasive Species Working Group

- **USDA REENet** (Research, Education and Extension Network)
 - Exotic *Bromus* grasses in agroecosystems of the Western US.
 - Products:
 - Database of all *Bromus* species,
 - Book in progress that synthesizes current and future invasions, impacts and management
 - Planned 2014 Symposium

Offshoot: USGS Powell Center Project

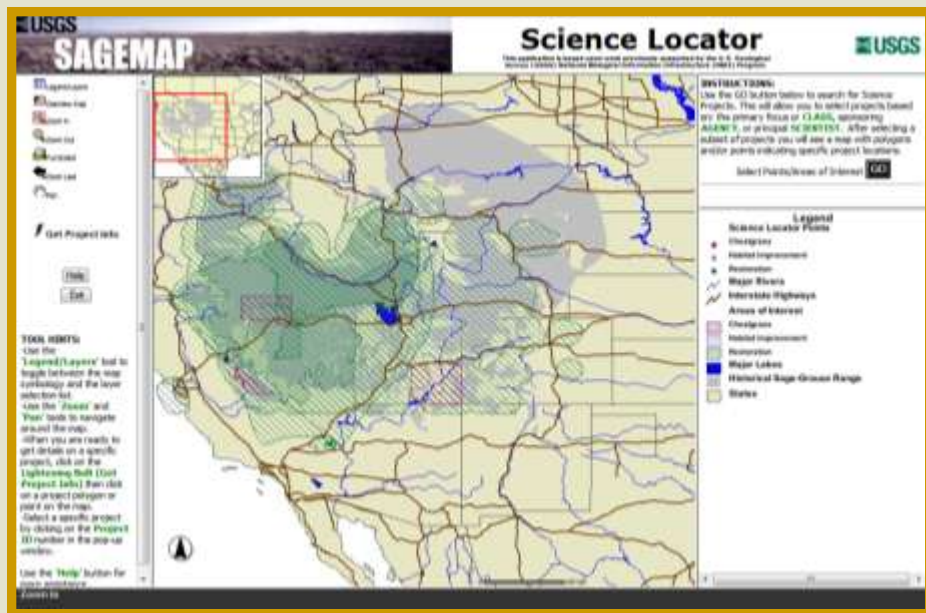
Integrating ecological forecasting methods to improve prioritization of natural resource management: An invasive species example



GBRMP *Project Evolution*

Information Working Group

Web-based Clearinghouse of Great Basin Information



- Originally funded by GBRMP members (USFS, USGS)
- Fire Science Delivery Project and REE Net web pages share GBRMP Database pages
- GBLCC adopted website as its information clearinghouse
- Serves Consortium members; GB CESU, GBRI, GBEP, others with links and information contributions

Website

<http://greatbasin.wr.usgs.gov/gbrmp>

Tools and Features

- Research Catalog and The Science Locator
- Bibliography (>6,800 citations on Great Basin)
- Upcoming Meetings and Links
- Consortia Data Base
- Expert's Data Base
- Metadata Server
- Project pages:
 - Joint Fire Science Great Basin Science Delivery
 - USDA REENet



GBRMP Website: 2012 Look

Great Basin Research and Management Partnership

[Home](#) | [About Us](#) | [Working Groups/Projects](#) | [Resources/Databases](#) | [Participate](#) | [Links](#) | [Contact Us](#)

The **Great Basin Research and Management Partnership (GBRMP)** promotes comprehensive and complementary research and management collaborations to sustain ecosystems, resources and communities across the Great Basin -- a five state area experiencing similar sociological and ecological concerns.



Our vision is of teams representing the full spectrum of organizations and stakeholders working together to solve the region's ecological and socio-economic issues through the integration of research and management. GBRMP does not replace existing collaborations, but builds upon their strengths by increasing coordination and communication among them. GBRMP provides a mechanism for assembling the diverse research and management groups working in the Great Basin to:

- (1) obtain consensus in identifying and prioritizing regional issues;
- (2) expand and help focus existing collaborative efforts;
- (3) facilitate new teams to address emerging issues. It also provides critical information sharing capacity for both existing collaborations and new teams.

Read the Great Basin Research and Management Partnership [Briefing Paper](#).

Issues and Working Groups

The following priority issues were identified as a result of the [Collaborative Watershed Management and Research in the Great Basin Workshop](#) held in Reno, NV in 2005. Each link below delivers a chapter from Chambers, J. C., A. Evenden, and N. Devoe, compilers. 2008. [Collaborative Management and Research in the Great Basin - Examining the Issues and Developing a Framework for Moving Forward](#). USDA Forest Service, Rocky Mountain Research Station, General Technical Report. RMRS-GTR-204.



PARTICIPATE!

Quick Links to Resources

What's New?

[Fire Effects on vegetation and soils in the Great Basin: Response and site characteristics](#)

[Research perspectives on the public and fire management: a synthesis of current social science on eight essential questions](#)

[Joint Fire Science Program publications are now on Scribd!](#)

Consortia Database

Expertise/Interests Database

- Search the participants and expertise database
- Enter your information in the

[2013 Planned Updates]

■ Web services for major databases:

- The Great Basin Bibliography
- Participants/Expertise Database
- Science Locator
- Consortia Database

■ New interfaces

- Improve digital services delivered to citizens
- Allows users to see the data behind an application



The screenshot displays the website for the Great Basin Research and Management Partnership. The header features a landscape image and the organization's name. Below the header is a navigation menu with links for Home, About Us, Working Groups/Projects, Resources/Databases, Participants, Links, and Contact Us. The main content area is titled "Search the GBRMP Participants and Expertise Database" and includes a search form and instructions. Below the search form is a list of participants and their expertise.

Name	Expertise
Adams, Kenneth	Climate Change, Water Resources, Geology, geomorphology, Sedimentology
Almendinger, Nicholas	Geology, geomorphology, Hydrology, Sedimentology, Watersheds
Bedford, David	Environmental Site Use Studies, Geology, Geomorphology, Hydrology
Beichel, Wayne	Water Resources, Water Resources Engineering
Belmont, Patrick	Water Resources, Urbanization and Changing Land Use, Geomorphology, I
Calvez, Steve	Rare and Vulnerable Species, Entom, Plant Ecology, Endangered Species, I
Grauch, V.J.S. (Tara)	Geomagnetism, Geology, Hydrogeology, Potential Field Geophysics
Hill, Dana	Water Resources, Environmental Education, Earth Sciences Education, Geol
Hufstra, Albert	Mineral Resources, Isotope Geochemistry, Economic Geology, Geochemistry
Howard, Keith	Natural and Physical Sciences, Mathematics and Technology, Geology, Geo

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New Syntheses, Working Groups

New Synthesis:

Resilience to disturbance and resistance to invasive alien grasses in arid and semi-arid ecosystems: lessons from the cold desert. **Ecosystems**

2013 Science Webinars

- First: Weather data and forecasting - Stuart Hardegree

New Working Groups?

- Managing for Climate Change
- Fire and Grazing



GBRMP Strategic Plan

Mapping the Road Forward

GBRMP strengths

- Successful partnership with outcomes
- Connect research to management
- Can serve all Great Basin Consortiums
 - Website tools can be direct links to collaborator's pages
 - Website toolbox can grow with support

Future planning:

- Science webinars
- Identify new research directions
- Reinvigorate membership

