

The Quandary of Quantifying Changes in Capital: What's the Value of Strengthened Networks?

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National Drought Mitigation Center
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WHAT IS NIDIS? PRODUCTS TOOLS REGIONAL PROGRAMS RESOURCES

Welcome!
Drought is one of the most costly natural disasters affecting the U.S. The National Integrated Drought Information System (NIDIS) was established in 2006 (NIDIS Act) to help begin to move society from a reactive response to drought to a proactive stance. NIDIS was envisioned to be a dynamic and accessible drought information system that provides users with the ability to determine the potential impacts of drought and the associated risks they bring, and the decision support tools needed to better prepare for and mitigate the effects of drought. In this, NIDIS forms the backbone of a national Drought Early Warning System and the U.S. Drought Portal is the public face of NIDIS on the Web.

Learn More...

Products

Tools

Resources

NIDIS USGS Real-time Salinity Drought Index Workshop
January 7, 2014 - Charleston, SC
Meeting Agenda | Register Online Here

U.S. Drought Monitor
November 5, 2013
November 5, 2013
November 5, 2013

U.S. Drought Monitor

November 5, 2013
November 5, 2013
November 5, 2013

U.S. Drought Monitor

November 5, 2013
November 5, 2013
November 5, 2013

U.S. Drought Monitor

November 5, 2013
November 5, 2013
November 5, 2013

**Missouri River Basin
Climate Outlook
1 May 2014**

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NOAA

AASC

US Army Corps of Engineers

RECLAMATION

US Army Corps of Engineers

US Army Corps of Engineers

**Apalachicola-Chattahoochee-Flint River Basin
Drought Assessment Webinar**

Tuesday, November 12, 2013 - 1:00 pm Eastern Time

*Southeast Climate Consortium (SECC) and the
National Integrated Drought Information System (NIDIS)*

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Webinar Sponsors

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NIDIS
NATIONAL INTEGRATED DROUGHT INFORMATION SYSTEM

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Please join us Tuesday, November 12, 2013 at 1:00 pm Eastern Time for our Apalachicola-Chattahoochee-Flint (ACF) River Basin Drought Assessment Webinar. The webinar will provide updated information on the climate, water and drought status of the ACF river basin. Input will be provided by the Florida State Climatologist, USGS, Southeast River Forecast Center, The U.S. Army Corps of Engineers (Mobile District) and others.

Please make sure that you have the latest version of Flash installed on your computer. You can get it here:
<http://get.adobe.com/flashplayer/>

To connect, use the following link. Unlike Blackboard Elluminate, this link should take you directly to the webinar.
http://ufifas.adobeconnect.com/acf_11-12/

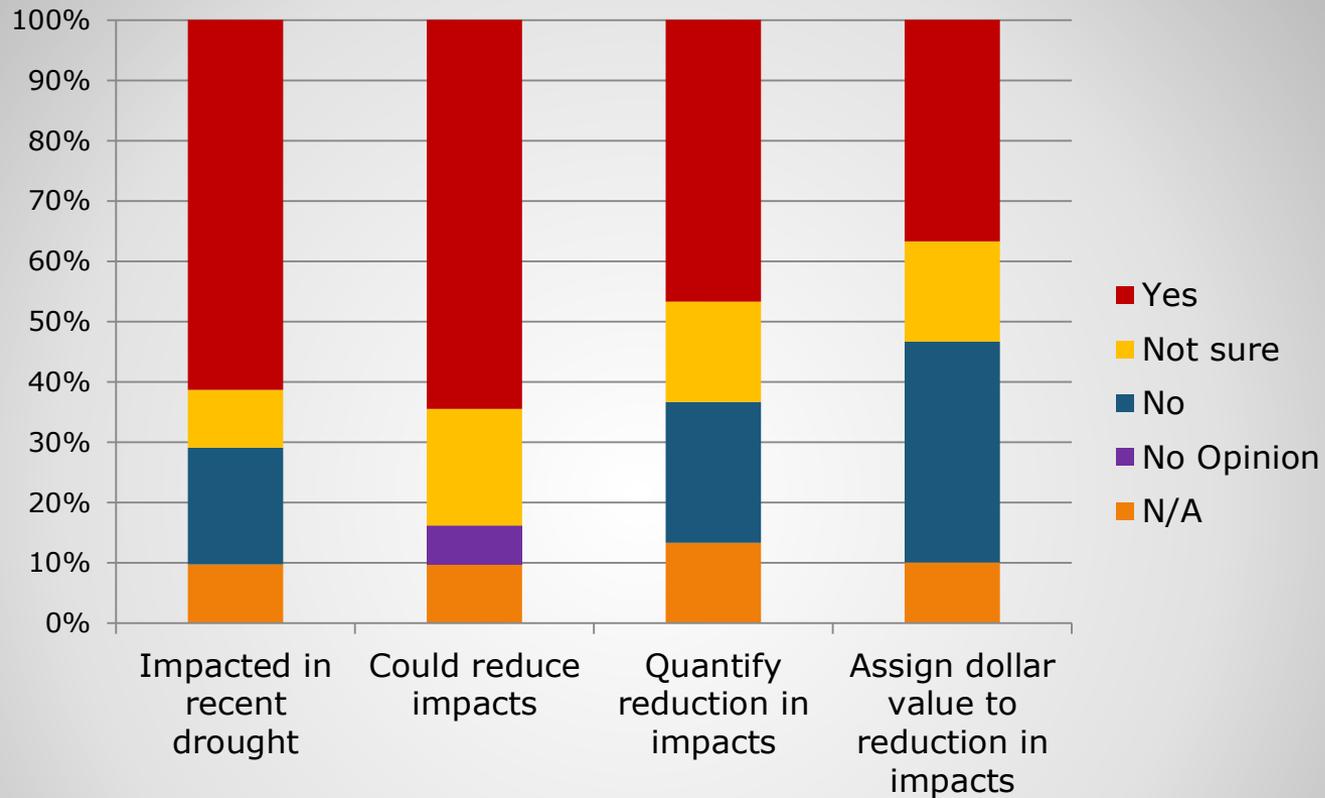
National Integrated Drought Information System (NIDIS)

- **Process evaluation or monitoring** involves asking whether the program is reaching stakeholders, whether delivery of services is consistent with proposed activities, and what resources have been expended.
- **Impact or outcome evaluation** involves asking whether the program produced intended outcomes, or what the “net effect” of the program has been.
- **Measuring efficiency** involves comparing program outcomes to their costs.
 - A **cost-benefit analysis** requires estimates of the tangible and intangible benefits of the program, as well as direct and indirect costs.
 - A **cost-effectiveness analysis** only puts a dollar figure on costs, and reports benefits as outcome units (based on the outcomes found in impact/outcome evaluation, and expressed as “degrees” or “levels”).

Evaluation Purpose

- How do we measure
 - Changes in the nation's capacity for management of drought-related risks; and
 - Changes in preparation for and mitigation of the effects of drought

Evaluation Metrics



Percent who were impacted by drought, felt they could reduce impacts, felt they could quantify reduction in impacts, and felt they could assign a dollar value to the reduction in impacts

Evaluation Metrics

NDMC Evaluation Approaches

- Focus groups & Interviews
 - ACF Stakeholders – 2014
- Surveys
 - NIDIS participants
 - 2012
 - MRB Climate Outlook Webinars
 - 2012 & 2014

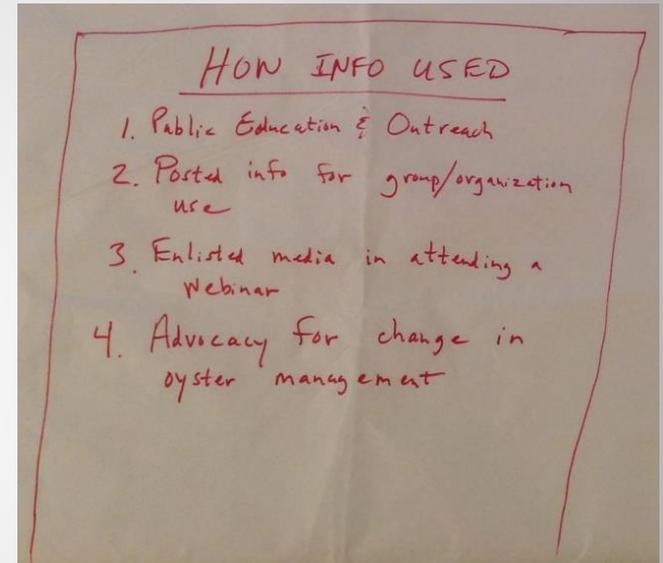


Photo Credits (clockwise from top: Ron Sherman, USDA, Auburn University)

- If you did receive NIDIS information during the 2011-2013 drought, were you able to use the information? (did you do anything differently?)
- As a result of what you did with NIDIS drought information, did anything change around you?
 - Did anyone else do something differently? (prompt - could be positive or negative)
 - (prompt) Have you seen any uses of the information in other ways, socially, economically, politically, environmentally, culturally?

Focus Group Questions

- **Natural:** opportunities for restoration projects, no impact on oyster populations
- **Cultural:** change in water use habits
- **Human:** increased understanding and interest in using climate outlook information, ability to use information
- **Social:** increased interactions and exchange of information with other basin stakeholders, knowing who to contact
- **Political:** state water management plan
- **Financial:** new funding for research
- **Built:** new tools/climate products, electronic newsletter



Focus Group Findings: Changes in Capacity

As a result of your participation in ACF Basin Webinars or Climate Outlook Forums, please complete the following:

	Decreased	Stayed the same	Increased a little	Increased a lot	Not applicable
My understanding of how to use available drought and water supply information has...	<input type="radio"/>				
My understanding of where to find drought and water supply information has...	<input type="radio"/>				
My interest in using drought and water supply information to make decisions has...	<input type="radio"/>				
My ability to incorporate drought and water supply information into decisions I make has...	<input type="radio"/>				
My interactions and exchange of information with other basin stakeholders have...	<input type="radio"/>				

Survey Questions

In 2002, a large drought affected much of the United States. Recently, many parts of the U.S. have again been affected by drought. Comparing your readiness for drought before 2002 and now, please complete the following statements.

	Decreased	Stayed the same	Increased a little	Increased a lot	Not applicable
The amount of drought information available to me has...	<input type="radio"/>				
My ability to incorporate drought-related information into decision-making has...	<input type="radio"/>				
Coordination of drought-related efforts in my area has...	<input type="radio"/>				
Interest in drought preparedness in my area has...	<input type="radio"/>				
Efforts to develop drought preparedness and/or response strategies in my area have...	<input type="radio"/>				

Survey Questions

If information you found through the webinar series was used in decision-making, did it have an impact in any of the following areas? (check all that apply)

- Farming
- Livestock production
- Water supply or quality
- Energy
- Recreation and tourism
- Plants, fish and wildlife
- Fire
- Society, public health and safety
-
- Other
-
- None

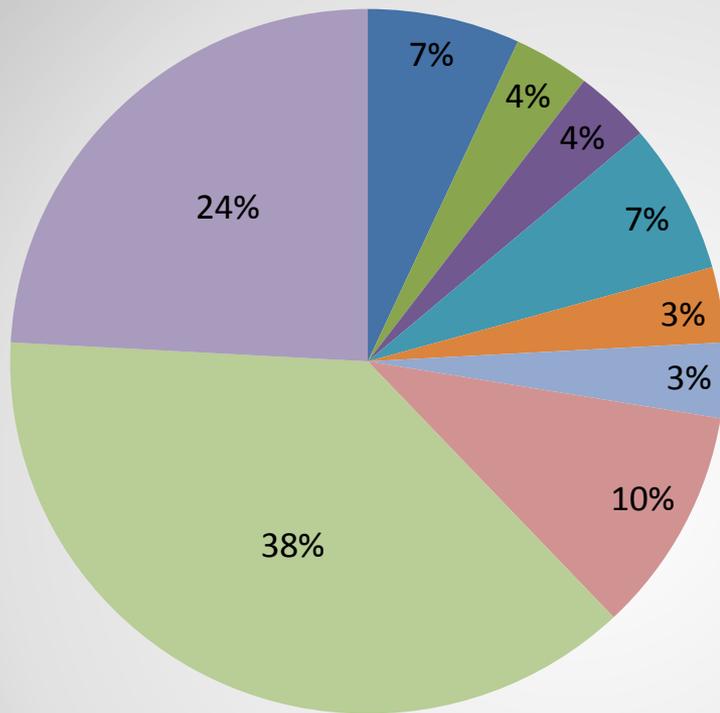
Survey Questions

What would you estimate was the financial benefit of decision?

- There was no financial benefit
- Less than \$1,000
- \$1,000 – \$10,000
- \$10,000 – \$50,000
- \$50,000 – \$100,000
- \$100,000 – \$500,000
- \$500,000 – \$1,000,000
- More than \$1,000,000
- I don't know
- I don't care to share that information
- The benefit of the decision was other than financial

We would greatly appreciate it if you could provide an example(s) of how you've used webinar information in decision-making.

Survey Questions



- none
- less than \$10,000
- \$10,000-50,000
- \$50,000-100,000
- \$100,000-500,000
- \$500,000-1,000,000
- more than \$1,000,000
- Won't say
- I don't know
- Benefit other than financial

Again, the problem of financializing benefits

- Time/effort needed to find information
- Vegetative cover/rangeland health rating
- Change in water use norms
- Drinking water supply
- Mental health statistics
- Policies that address upstream and downstream user needs
- (questions should be built on knowledge of local impacts of drought)

What else should we ask?

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Thank you!