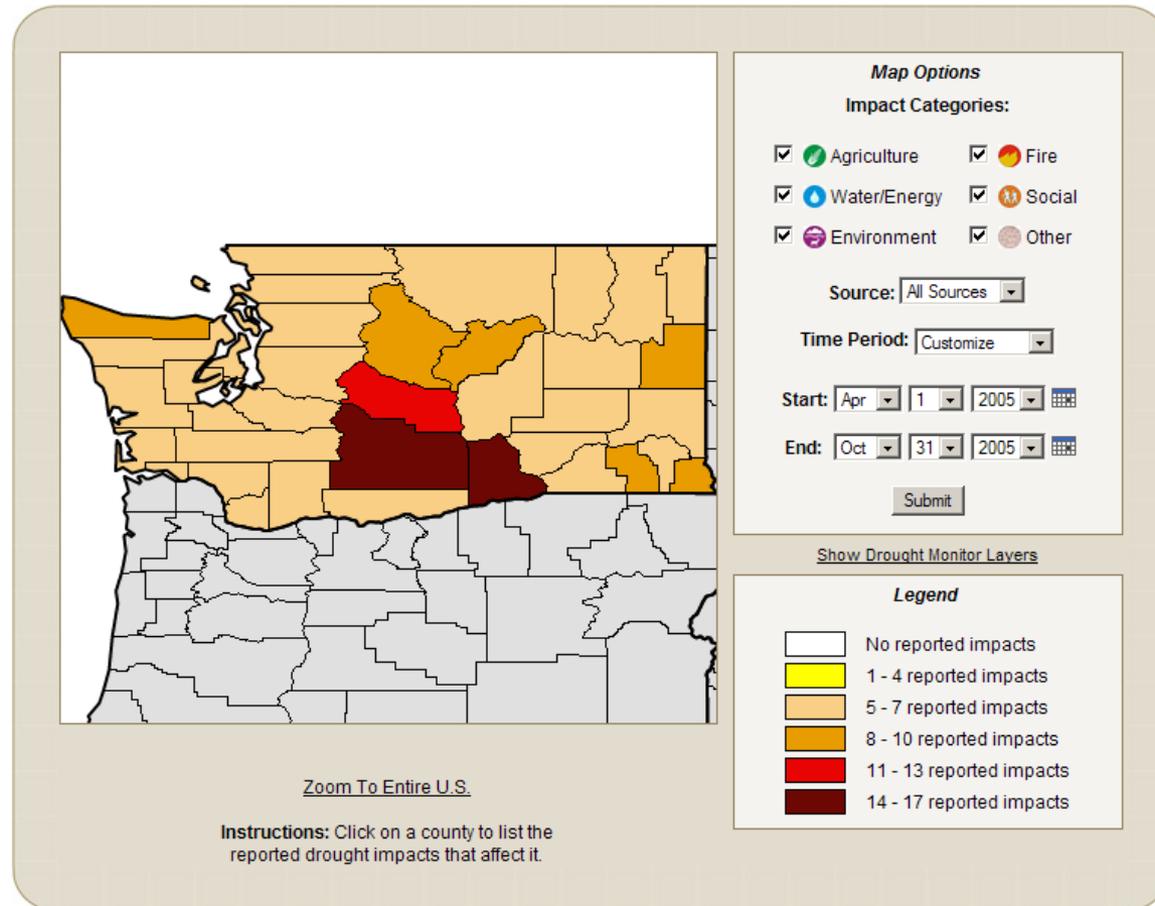


The Drought Impact Reporter

<http://droughtreporter.unl.edu>



Drought Impact Reporter (DIR)

- On-line since July 2005
- Searchable, multi-source database of drought impacts
- Combines data from multiple sources into a unified map
 - Media, public, government, etc.

Why Record Drought's Impacts?

NDMC mission:

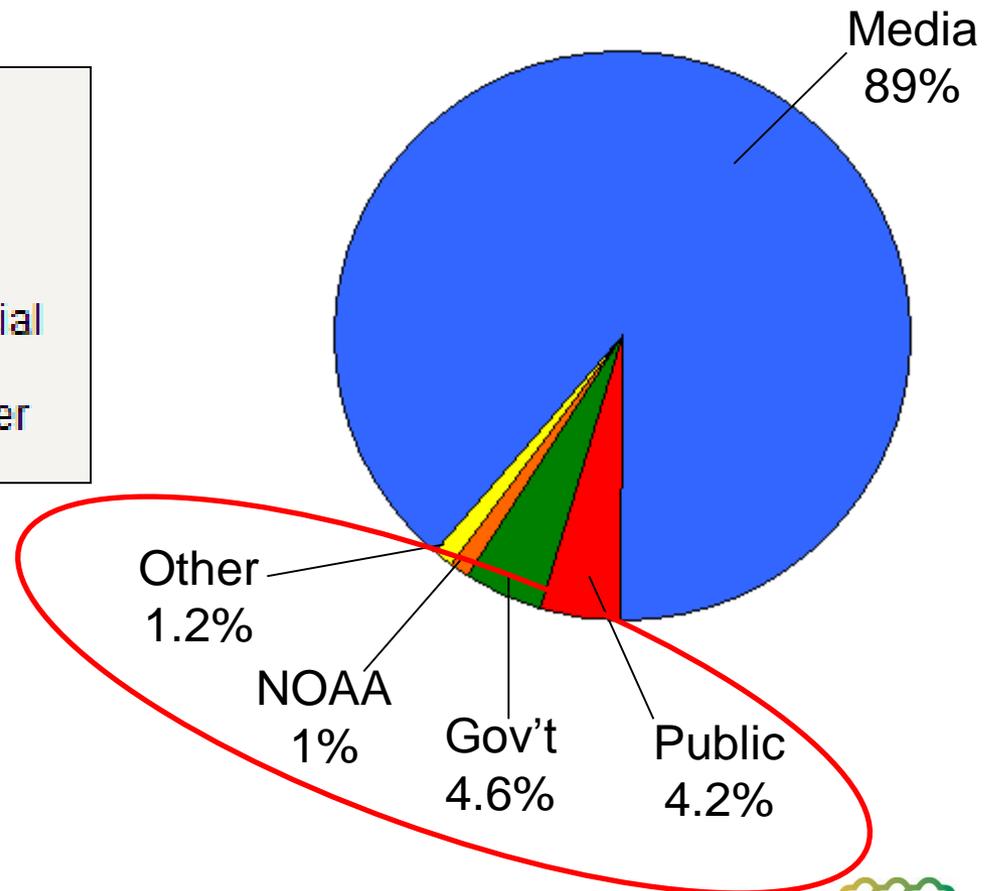
To reduce vulnerability to drought before the next one happens

- Impacts point to vulnerability
- Mitigation and response

What's in the Current DIR?

Impact Categories:

- | | |
|--|--|
| <input checked="" type="checkbox"/>  Agriculture | <input checked="" type="checkbox"/>  Fire |
| <input checked="" type="checkbox"/>  Water/Energy | <input checked="" type="checkbox"/>  Social |
| <input checked="" type="checkbox"/>  Environment | <input checked="" type="checkbox"/>  Other |



What's in the Current DIR?

1. Impacts extracted from the Media

Drought Impact Event

Nearly \$1,000 has been lost due to expenses for canceling the Langlauf cross country ski race at Mount Spokane. The region's largest race was canceled for the first time ever in its 27 year history due to the drought the region has been suffering from. One official said that there are bare spots on the mountain side up to 45 feet in length.

Categories: 🧑 Social

Source: Media

Dates of Impact: 2005-02-07 to 2005-02-07

External URL:

<http://www.spokesmanreview.com/breaking/story.asp...>

([See Affected Areas](#))

Drought Impact Event

For the fifth consecutive year, Dept. of Ecology issues restrictions for 136 water users in the Little Spokane River drainage. To prevent the river from running too low, users will not be allowed to water lawns and gardens.

Categories: 💧 Water/Energy

Source: Media

Dates of Impact: 2005-07-27 to 2005-07-27

External URL:

<http://www.spokesmanreview.com/local/story.asp?ID...>

([See Affected Areas](#))

Drought Impact Event

Burning (except for campfires in designated campsites) has been banned in eastern Washington.

Categories: 🔥 Fire

Source: Media

Dates of Impact: 2005-07-28 to 2005-07-28

External URL:

<http://www.spokesmanreview.com/local/story.asp?ID...>

([See Affected Areas](#))

What's in the Current DIR?

2. Impacts submitted by the public, government officials, and others

Drought Impact Event

The following report was submitted. I have 5000 acres of ranchland on the upper slopes of Mauna Kea starting at Puuloa, 3000 ft elevation, and ending at Kaala, 7500 ft elevation. We are off of Mana road 26 miles east of Waiamea. We have only received 15 inches of rain this year. Our pastures are in poor condition. We estimate at least 70 percent pasture loss due to the drought. We have had over 600 livestock deaths. Our calf weights have dropped by 100 pounds. We have destocked by 33 percent.

Categories:  Agriculture

Source: Public

Dates of Impact: 2008-01-01 to 2008-08-18

([See Affected Areas](#))

Drought Impact Event

The following reports were submitted. I live in Anniston, Alabama in the rural area of White Plains. Our wells in this area are drying up on a weekly basis. We have been in contact with all local officials trying to get county water run to us. They say it could take months. I for one don't have months, the people across from me just built a new house and it sits vacant because they have no water. My son on the other side and his wife have 3 small boys and they have been out of water for several months. I was assured years ago that there was so much underground water where my well is, that it would never run dry but this week it did run dry! People in

Categories:  Water/Energy  Social

Source: Public

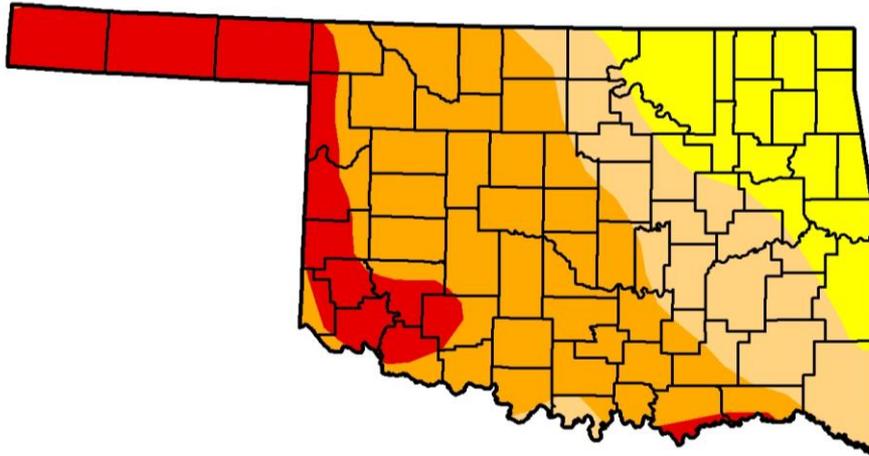
Dates of Impact: 2008-01-09 to 2008-01-09

([See Affected Areas](#))

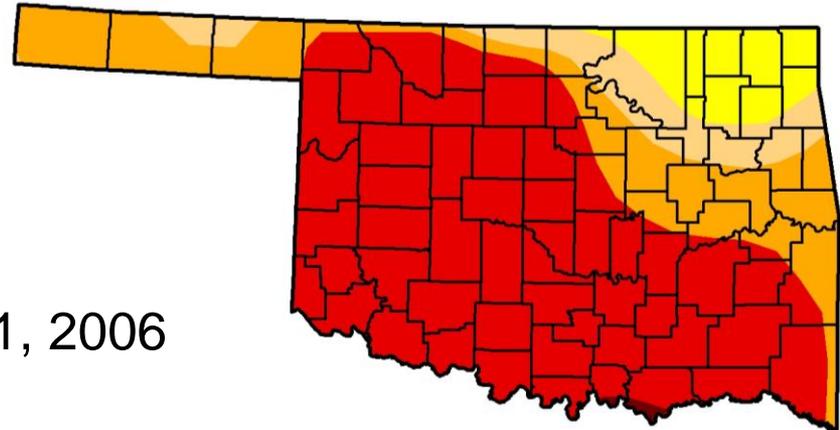
Who Uses This Information?

- Public
 - A voice in the policy process
- Decision makers / resource managers
- Drought Monitor
 - Early indicator of drought conditions??
 - “Ground truth” scientific indices

User Report Regarding Drought Monitor



July 4, 2006



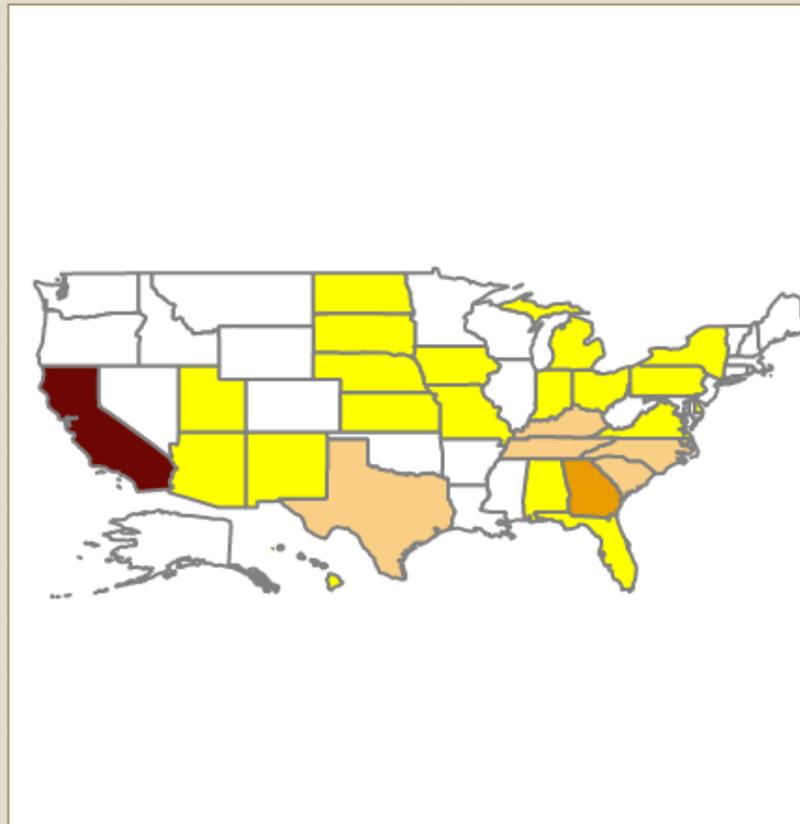
August 1, 2006

Drought Impact Reporter

National Drought Mitigation Center



[View Drought Impacts](#) | [Add A Drought Impact](#) | [Time-Lapse Animation](#) | [About](#) | [Help](#) | [User Login](#)



Map Options

Impact Categories:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Agriculture | <input checked="" type="checkbox"/> Fire |
| <input checked="" type="checkbox"/> Water/Energy | <input checked="" type="checkbox"/> Social |
| <input checked="" type="checkbox"/> Environment | <input checked="" type="checkbox"/> Other |

Source:

Time Period:

[Show Drought Monitor Layers](#)

Legend

- | | |
|--|--------------------------|
| | No reported impacts |
| | 1 - 7 reported impacts |
| | 8 - 13 reported impacts |
| | 14 - 20 reported impacts |
| | 21 - 26 reported impacts |
| | 27 - 33 reported impacts |

Instructions: Click on a state to see the reported drought impacts that affect that state.

DIR 2.0 Enhancements

- More user-friendly design
 - More efficient use of screen space
 - Improved searching and mapping



Raw Count

Impacts

1-5 of 5

Ski race cancelled due to drought
 02-07-2005 to 02-07-2005
 Langlauf annual cross-country ski race at Mount Spokane has been cancelled because of a lack of snow. This is the first time in the race's 27 year history that it has been cancelled. One official said that there are bare spots on the mountain side up to 45 feet in length.

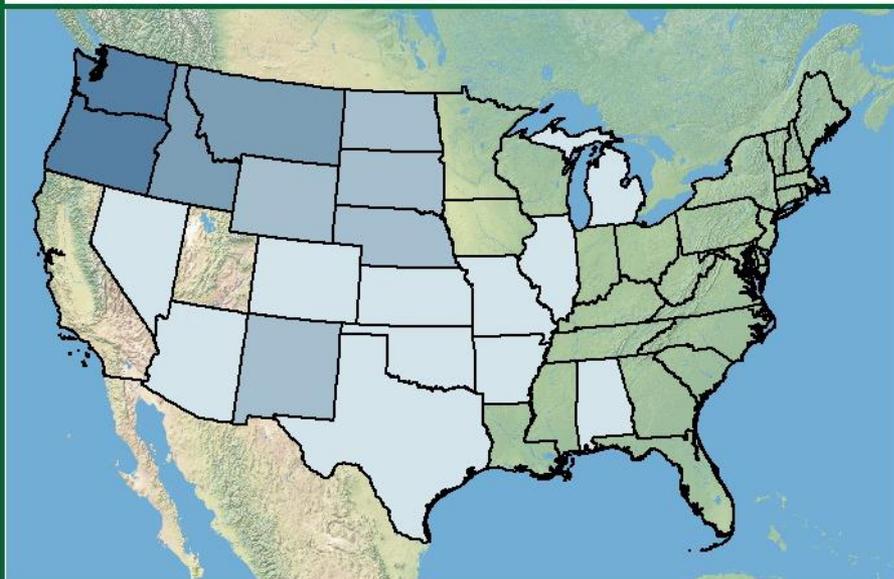
Governor declares drought emergency for Washington
 03-10-2005 to
 The governor of Washington has declared the state in a drought emergency in response to the lack of precipitation across the state and low snowpack totals. The declaration has given authorization to the state's Department of Ecology to issue water restrictions and temporary transfers of water rights. To help combat the conditions, an additional \$8.2 million drought appropriations has been requested from the Legislature.

Water use restricted for a portion of Spokane County
 03-10-2005 to
 The Dept. of Ecology has issued water use restrictions for 136 water users in the Little Spokane River drainage. To prevent the river from running too low, water users will not be allowed to water lawns and gardens.

Grape harvest above average due to drought
 01-01-2005 to 12-31-2005
 Wine grape growers in Washington state experienced a record harvest this year because grapes are one of few crops that can do well during a drought. The Washington Association of Wine Grape Growers estimates this year's harvest at 116,760 tons; the old record was 115,000 tons in 2002. Lack of moisture stresses the grapes, which concentrates the juice and makes better wine. In addition, a warm summer followed by steady, cool fall temperatures and a frost-free harvest allowed the fruit to stay on the vine longer.

Duck production reduced

Reports



Contiguous U.S. Alaska Hawaii Pacific Islands Puerto Rico

Displaying Impact and Report information for May 1, 2005 to July 1, 2005
 Displaying Drought Monitor for May 3, 2005

Legend

- Impacts
 - Number of Categories
 - None
 - 1 Category
 - 2 Categories
 - 3 Categories
 - 4 Categories
 - 5+ Categories
 - Categories
 - Reports
 - Drought Monitor
 - Reference Layers
 - Political
 - States
 - Counties
 - Congressional Districts
 - Federal Lands
 - Tribal Lands
 - Cities
 - Hydrological
 - Other

Selection

Search

Tasks



Raw Count

Impacts

1-5 of 5

Ski race cancelled due to droug

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Water use restricted for a port of Spokane County

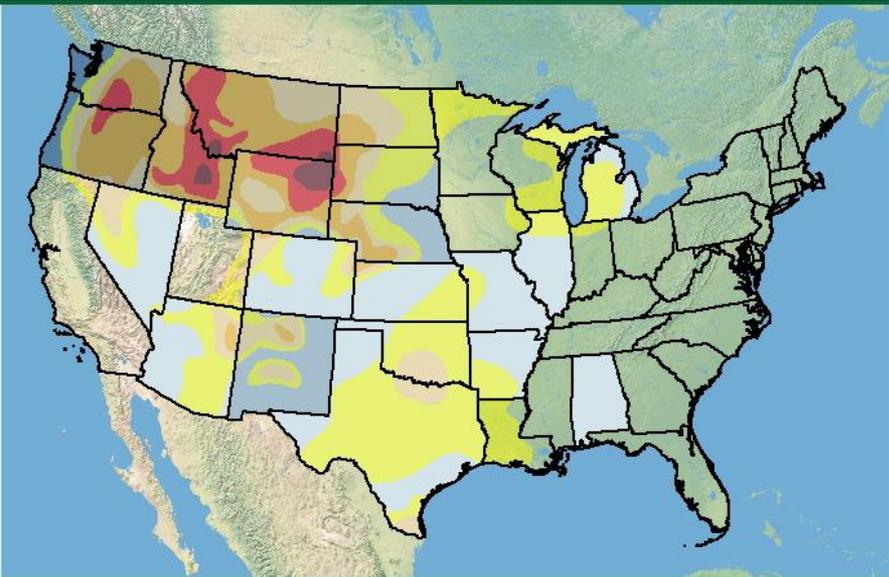
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Duck production reduced

Reports



Contiguous U.S. Alaska Hawaii Pacific Islands Puerto Rico

Displaying Impact and Report information for May 1, 2005 to July 1, 2005
Displaying Drought Monitor for May 3, 2005

Legend

- Impacts
 - Number of Categories
 - None
 - 1 Category
 - 2 Categories
 - 3 Categories
 - 4 Categories
 - 5+ Categories
 - Categories
- Reports
- Drought Monitor
 - D0 Abnormally Dry
 - D1 Drought - Moderate
 - D2 Drought - Severe
 - D3 Drought - Extreme
 - D4 Drought - Exceptional
- Reference Layers
 - Political
 - States
 - Counties
 - Congressional Districts
 - Federal Lands
 - Tribal Lands
 - Cities
 - Hydrological
 - Other

Selection

Search

Tasks

DIR 2.0 Enhancements

- More user-friendly design
 - More efficient use of screen space
 - Improved searching and mapping
- Change in category names

Impact Categories

Current

Impact Categories:

- | | |
|--|--|
| <input checked="" type="checkbox"/>  Agriculture | <input checked="" type="checkbox"/>  Fire |
| <input checked="" type="checkbox"/>  Water/Energy | <input checked="" type="checkbox"/>  Social |
| <input checked="" type="checkbox"/>  Environment | <input checked="" type="checkbox"/>  Other |

Planned

Report Categories

-  Agriculture
-  Business & Industry
-  Energy
-  Fire
-  Plants & Wildlife
-  Relief, Response, & Restrictions
-  Society & Public Health
-  Tourism & Recreation
-  Water Supply & Quality

DIR 2.0 Enhancements

- More user-friendly design
 - More efficient use of screen space
 - Improved searching and mapping
- Change in category names
- Distinguishes between reports and impacts

Reports vs. Impacts

Report: Contains a wider range of information – baseline info, speculative/vague reports, impacts

- an early indicator!

Impact: Contains a narrow range of information – only impacts

- quantifiable, observable, location- and time-specific

DIR 2.0 Enhancements

- More user-friendly design
 - More efficient use of screen space
 - Improved searching and mapping
- Change in category names
- Distinguishes between reports and impacts
- **New “submit a report” form**
 - Ability to add photos



* indicates required field

Welcome to the Drought Impact Reporter report submission form. This is where you can submit a report about how drought is affecting you, your property, your livelihood or your business. Your report will become a part of the Drought Impact Reporter, a national archive designed to help decision-makers at all levels in the United States better understand the risk of drought. The National Drought Mitigation Center moderates all reports, and we may contact you for more information, especially if this is the first time we've heard from you. We make every attempt to moderate all reports within a business day or two of receiving them.

If you have questions about how to fill out the form, please click on the question mark at the top of each section.

Report Location

Affected Places

By Political Boundary

States:

County:

City:

By River

Selected Report Locations

Report Categories

Please check the category if applicable. You must select at least one category or, if a baseline report, baseline and one category.

Baseline Report**

<input type="checkbox"/> Agriculture	<input type="text" value="0"/>	<input type="checkbox"/> Business & Industry	<input type="text" value="0"/>	<input type="checkbox"/> Energy	<input type="text" value="0"/>
<input type="checkbox"/> Fire	<input type="text" value="0"/>	<input type="checkbox"/> Plants & Wildlife	<input type="text" value="0"/>	<input type="checkbox"/> Relief, Response & Restrictions	<input type="text" value="0"/>
<input type="checkbox"/> Society & Public Health	<input type="text" value="0"/>	<input type="checkbox"/> Tourism & Recreation	<input type="text" value="0"/>	<input type="checkbox"/> Water Supply & Quality	<input type="text" value="0"/>

** Please check "Baseline Report" if you plan to submit regular observations of both drought and non-drought conditions if you are not currently experiencing drought.

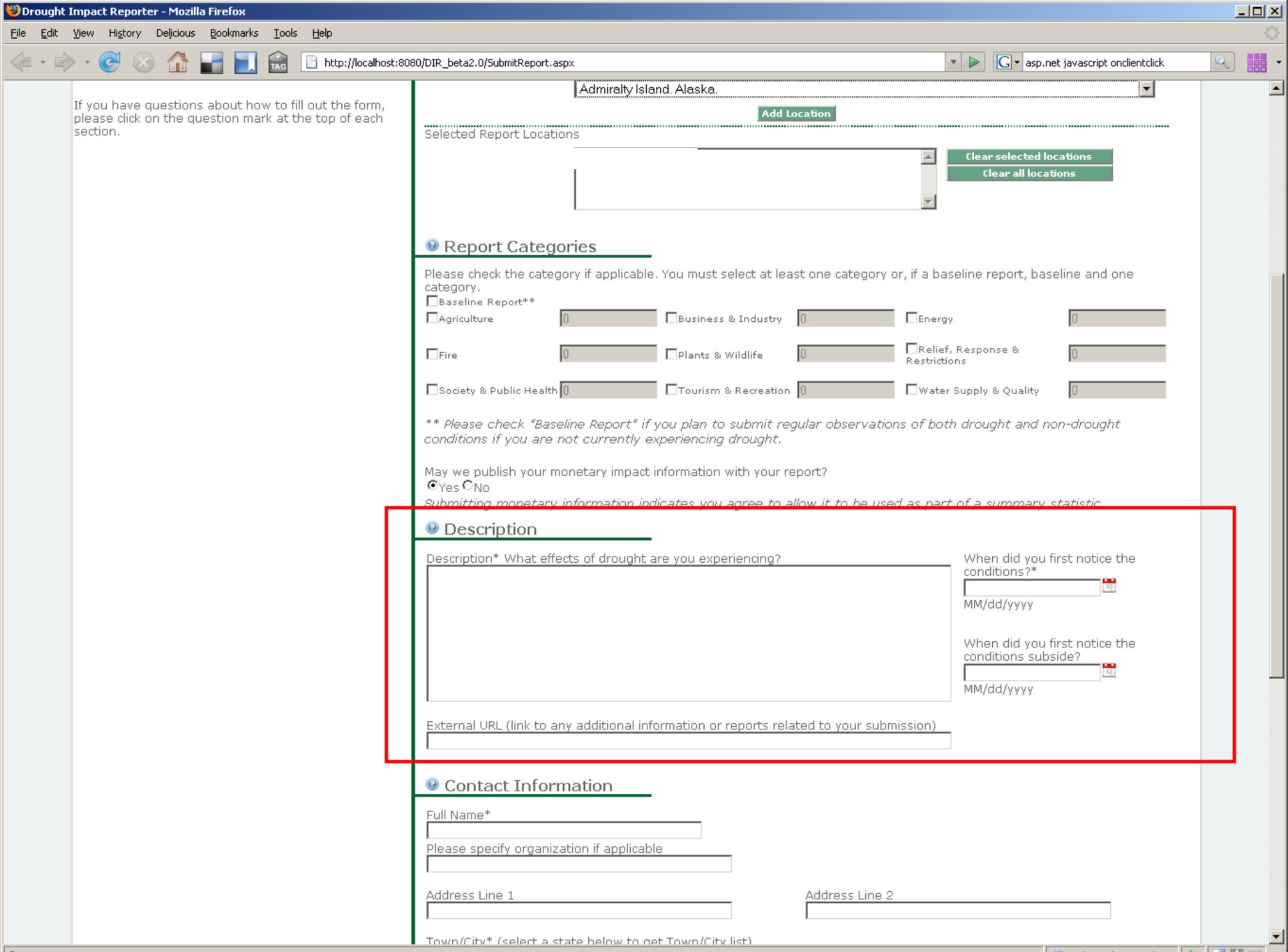
May we publish your monetary impact information with your report?
 Yes No

Submitting monetary information indicates you agree to allow it to be used as part of a summary statistic.

Description

Description* What effects of drought are you experiencing?

When did you first notice the conditions?*



If you have questions about how to fill out the form, please click on the question mark at the top of each section.

Admiralty Island, Alaska

Add Location

Selected Report Locations

[Empty list box for Selected Report Locations]

Clear selected locations
Clear all locations

Report Categories

Please check the category if applicable. You must select at least one category or, if a baseline report, baseline and one category.

Baseline Report**

<input type="checkbox"/> Agriculture	<input type="text" value="0"/>	<input type="checkbox"/> Business & Industry	<input type="text" value="0"/>	<input type="checkbox"/> Energy	<input type="text" value="0"/>
<input type="checkbox"/> Fire	<input type="text" value="0"/>	<input type="checkbox"/> Plants & Wildlife	<input type="text" value="0"/>	<input type="checkbox"/> Relief, Response & Restrictions	<input type="text" value="0"/>
<input type="checkbox"/> Society & Public Health	<input type="text" value="0"/>	<input type="checkbox"/> Tourism & Recreation	<input type="text" value="0"/>	<input type="checkbox"/> Water Supply & Quality	<input type="text" value="0"/>

** Please check "Baseline Report" if you plan to submit regular observations of both drought and non-drought conditions if you are not currently experiencing drought.

May we publish your monetary impact information with your report?

Yes No

Submitting monetary information indicates you agree to allow it to be used as part of a summary statistic.

Description

Description* What effects of drought are you experiencing?

[Large text area for Description*]

When did you first notice the conditions?*

MM/dd/yyyy

When did you first notice the conditions subside?

MM/dd/yyyy

External URL (link to any additional information or reports related to your submission)

Contact Information

Full Name*

Please specify organization if applicable

Address Line 1

Address Line 2

Town/City* (select a state below to get Town/City list)

MM/dd/yyyy

When did you first notice the conditions subside?

MM/dd/yyyy

External URL (link to any additional information or reports related to your submission)

Contact Information

Full Name*

Please specify organization if applicable

Address Line 1

Address Line 2

Town/City* (select a state below to get Town/City list)

State*

Zip Code

Phone***

 ###-###-####

Email Address***

*** Please provide either a phone number or email address.

Along with your report, may we publish

Your Name?

 Yes No

Organization?

 Yes No

The NDMC will not release your private contact information to any third party. If you say "Yes" to all of the above, your name will appear along with organization, if you provided one, and your city and state. "No" is the default, so if you don't click any of the "Yes" options, the report you submitted will be displayed without attribution.

Image Upload

 Upload image/photo(s) for the report?

Optional

Your Name?
 Yes No
Organization?
 Yes No

The NDMC will not release your private contact information to any third party. If you say "Yes" to all of the above, your name will appear along with organization, if you provided one, and your city and state. "No" is the default, so if you don't click any of the "Yes" options, the report you submitted will be displayed without attribution.

Image Upload

Upload image/photo(s) for the report?

NOTE: Upload gif/jpg/jpeg/png image files only (max file size 4MB). Maximum number of images: 5

Browse to upload photo*

1) Who took the photo?* (Enter 'Anonymous' if you or the photographer do not wish to be identified with the photo.)

2) When was the photo taken?*

3) Where was the photo taken?*

4) What effect of drought does it show?*

5) What else should we know about why this is important? For example, how would this scene look different in a non-drought year?

6) Additional caption information?

By submitting this image, you agree that we may publish it in the Drought Impact Reporter, and that it will be displayed along with other information pertinent to drought impacts. We'll be sure to give you credit unless you prefer to remain anonymous.

In addition, may we use the photo elsewhere on the website of the National Drought Mitigation Center, such as the photo gallery? Please note that drought.gov links to our photo gallery.

Yes No

Add Drought Impact Photos

- Photographer
- Date
- Place
- What does it show? How would it look in a non-drought year?
- Permission to use?
- Allows up to 5 photos per submission



October 2006



October 2007

Photos of Morgan Creek, North Carolina, from Jody Seim Timmins

Organization?

 Yes No (default)

Location?

 Yes No (default)

Locations are used to show the exact location of the conditions you are reporting. Names and organizations will be associated with your report for the sole purpose of creating a historic record of drought conditions and impacts. The NDMC will not release your private contact information to any third party.

Image Upload

 Upload image/photo(s) for the report?

NOTE: upload gif/jpg/jpeg/png image files only (max file size 4MB). Maximum number of images: 5

Browse to upload photo*

Browse...

1) Who took the photo?*

2) When was the photo taken?*

MM/dd/yyyy

3) Where was the photo taken?*

4) What effect of drought does it show?*

5) What else should we know about why this is important? For example, how would this scene look different in a non-drought year?

6) Additional caption information?

By submitting this image, you agree that we may publish it in the Drought Impact Reporter, and that it will be displayed as part of drought impact and report searches.

In addition, may we use the photo elsewhere on the website of the National Drought Mitigation Center, such as the photo gallery? Please note that drought.gov links to our photo gallery.

 Yes No

Upload image

Clear Save

[Home](#)[Contact](#)**Drought Impact Reporter**[About the DIR](#)[Map](#)[Submit a Report](#)[Submit Feedback](#)[Generate Report](#)[Help](#)

Thank you for submitting a report to the Drought Impact Reporter!

The National Drought Mitigation Center moderates all reports. We may contact you for more information, especially if this is the first time we've heard from you. We make every attempt to moderate all reports within a business day or two.

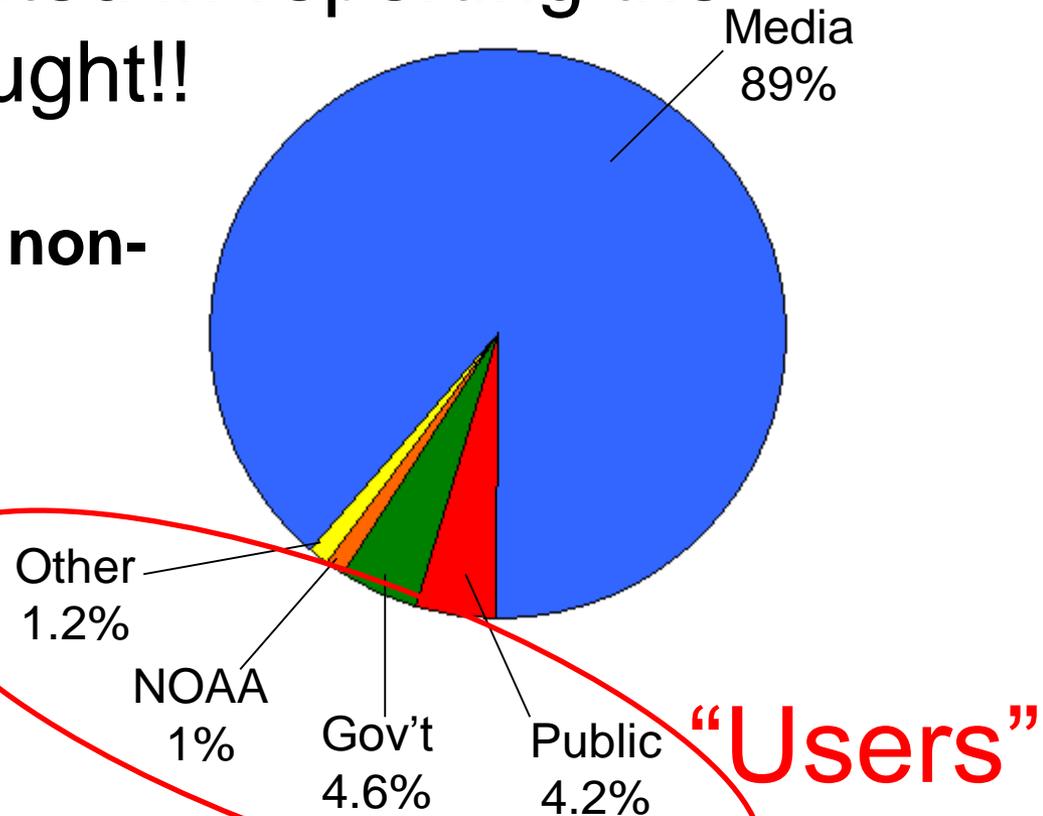
Return to the [DIR](#)
Submit another [report](#)

Who Can Submit a Report?

- Anyone interested in reporting the impacts of drought!!

We need to increase non-media reporting!

You can become a “drought spotter”



Networks to Add

- NWS Drought Reports
- CoCoRaHS
- State reports: water systems, wildfire, burn bans
- Cropwatchers
- Extension Agents
- State agencies, organizations, researchers

Activity - Submit a Report

Report Categories

-  Agriculture
-  Business & Industry
-  Energy
-  Fire
-  Plants & Wildlife
-  Relief, Response, & Restrictions
-  Society & Public Health
-  Tourism & Recreation
-  Water Supply & Quality

- **Exercise 1:** Pick a “Report Category” from the list and submit a report by filling out the Drought Impact Reporter Submission Form. Be as descriptive as possible with comparisons between drought and non-drought periods. Please keep your report within two paragraphs.
- **Exercise 2:** Discuss with your group members the Report that you developed.
- **Exercise 3:** Now write the “Report Category” that you chose on a large sticky note and then place the note into similar groupings on the purple “sticky” wall.

Thank you!

We welcome your participation and input as we improve the Drought Impact Reporter. Please contact:

Melissa Widhalm
mwidhalm3@unl.edu
402-472-3172