

WRDS



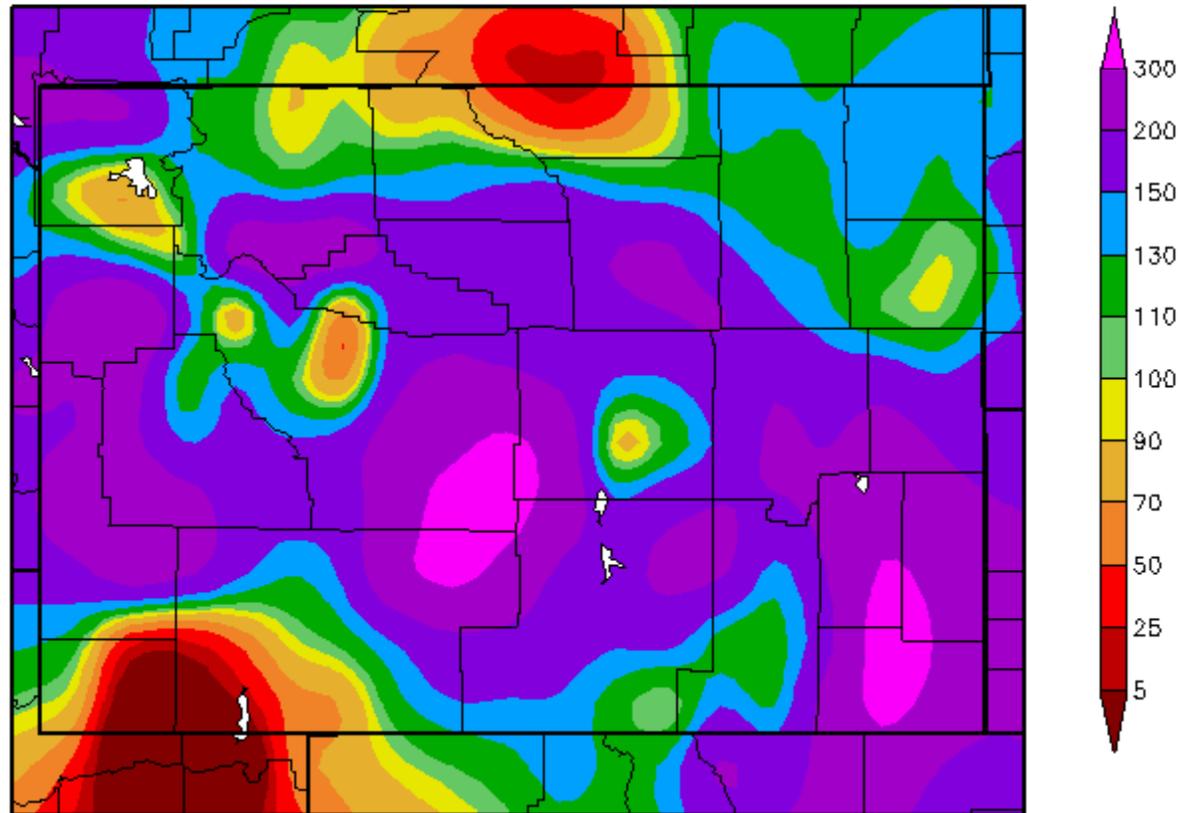
WATER RESOURCES DATA SYSTEM

# Water Year 2010

**Steve Gray**  
**[stateclim@wrds.uwyo.edu](mailto:stateclim@wrds.uwyo.edu)**

# Precipitation % of Historical Average: October 2009

Percent of Normal Precipitation (%)  
10/1/2009 - 10/31/2009



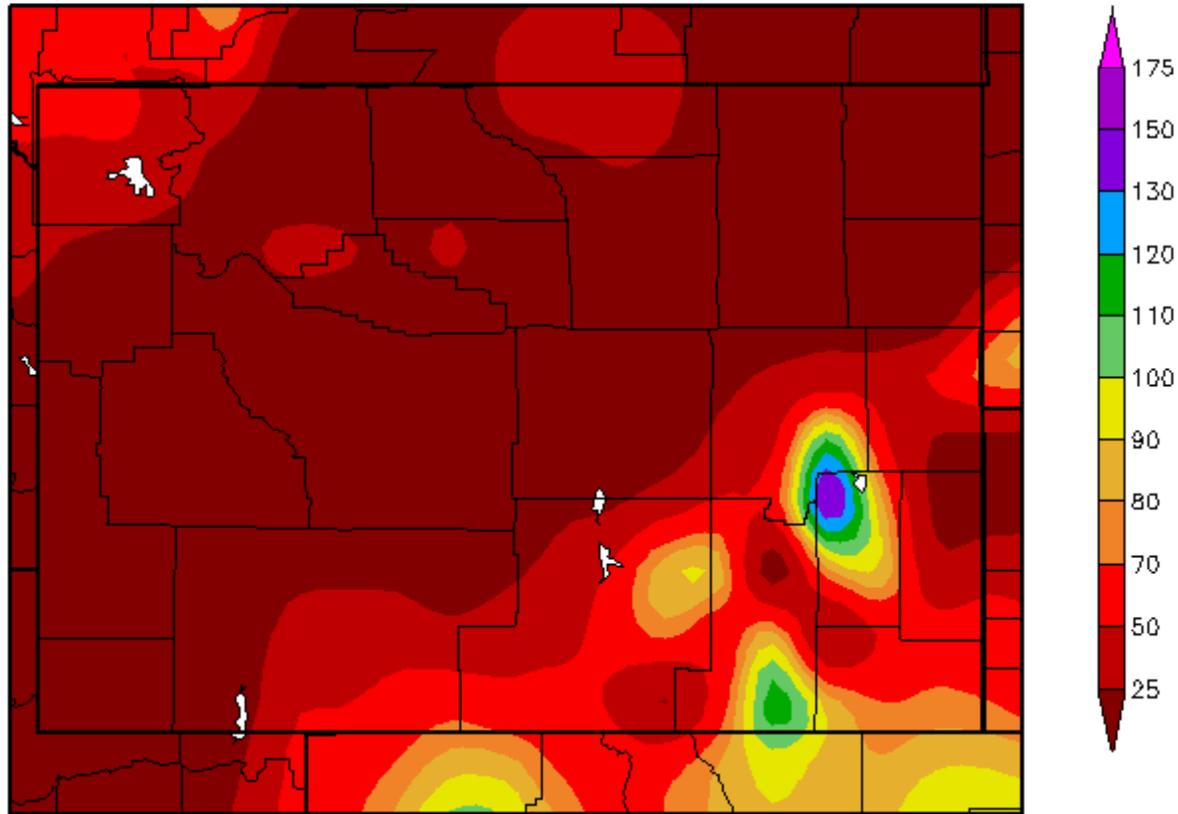
Generated 11/11/2009 at HPRCC using provisional data.

NOAA Regional Climate Centers

*Wyoming Water Resources Data System (May 18, 2010)*

# Precipitation % of Historical Average: November 2009

Percent of Normal Precipitation (%)  
11/1/2009 - 11/30/2009



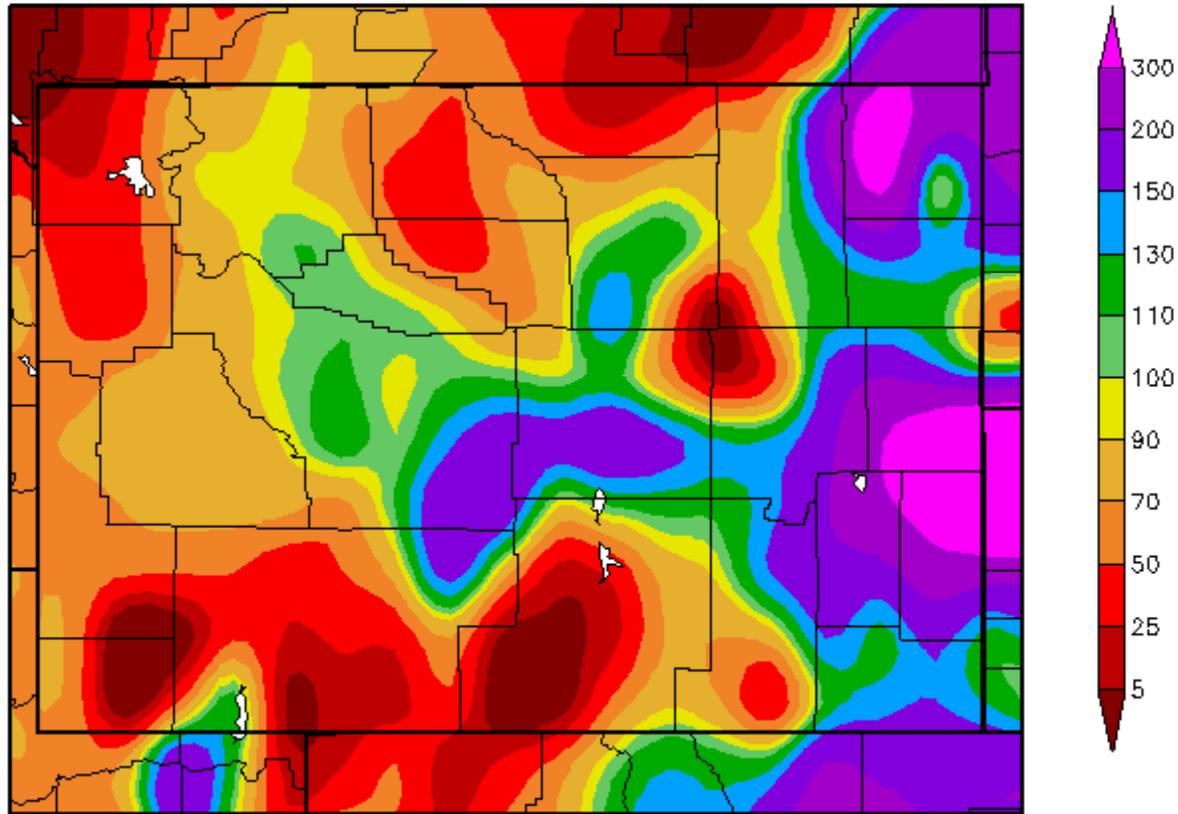
Generated 12/11/2009 at HPRCC using provisional data.

NOAA Regional Climate Centers

*Wyoming Water Resources Data System (May 18, 2010)*

# Precipitation % of Historical Average: December 2009

Percent of Normal Precipitation (%)  
12/1/2009 - 12/31/2009



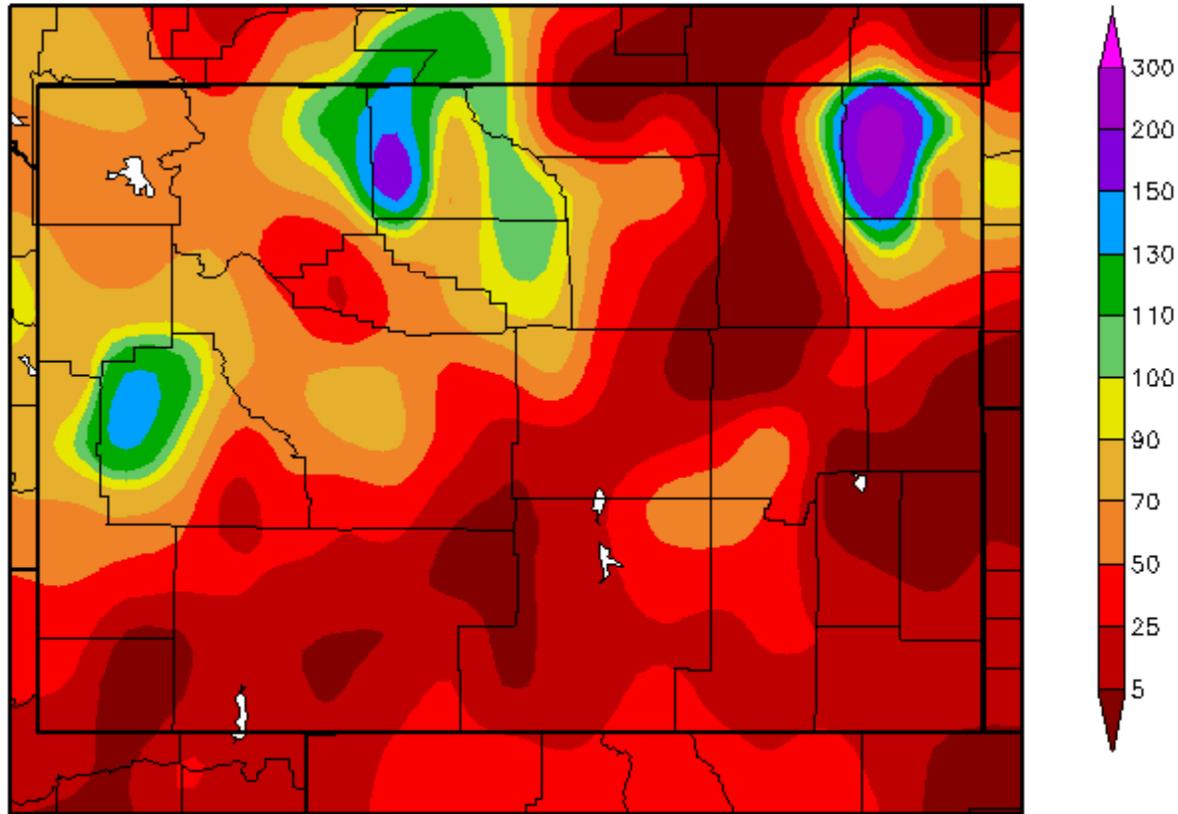
Generated 1/11/2010 at HPRCC using provisional data.

NOAA Regional Climate Centers

*Wyoming Water Resources Data System (May 18, 2010)*

# Precipitation % of Historical Average: January 2010

Percent of Normal Precipitation (%)  
1/1/2010 - 1/31/2010

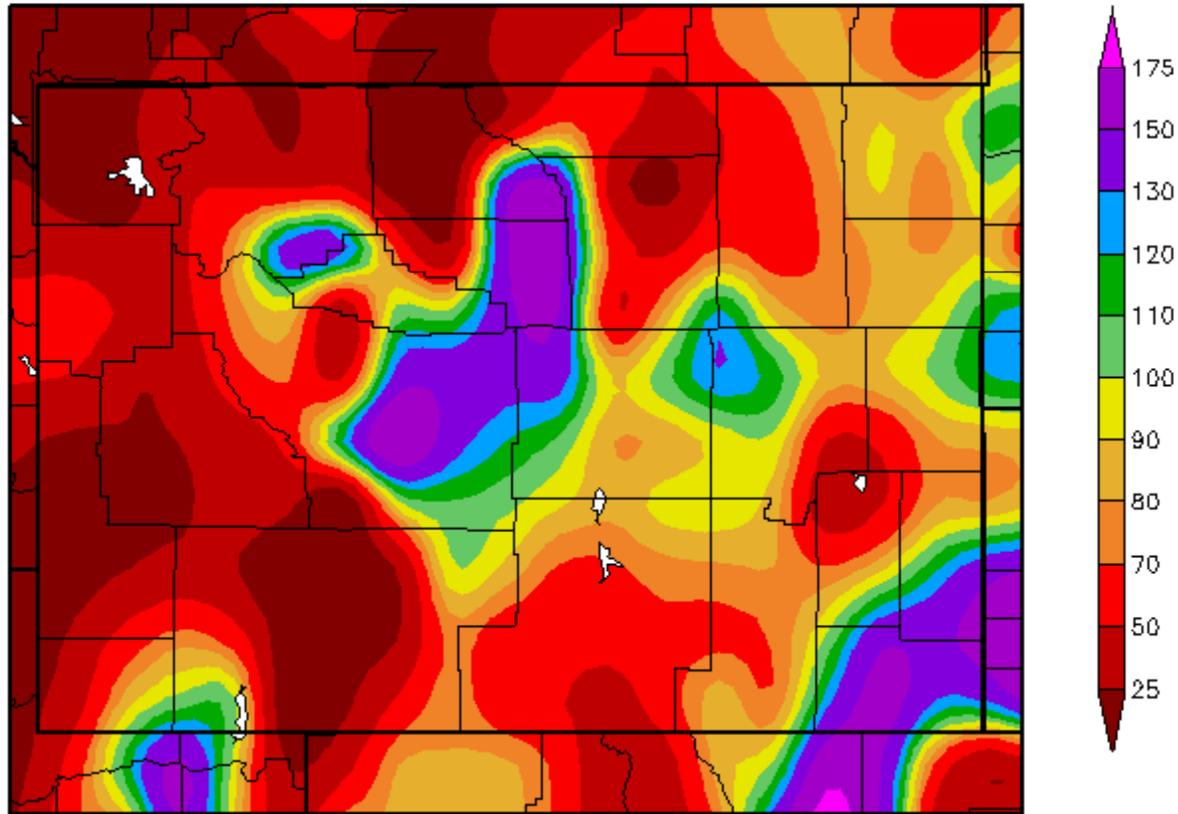


Generated 2/11/2010 at HPRCC using provisional data.

NOAA Regional Climate Centers

# Precipitation % of Historical Average: February 2010

Percent of Normal Precipitation (%)  
2/1/2010 - 2/28/2010

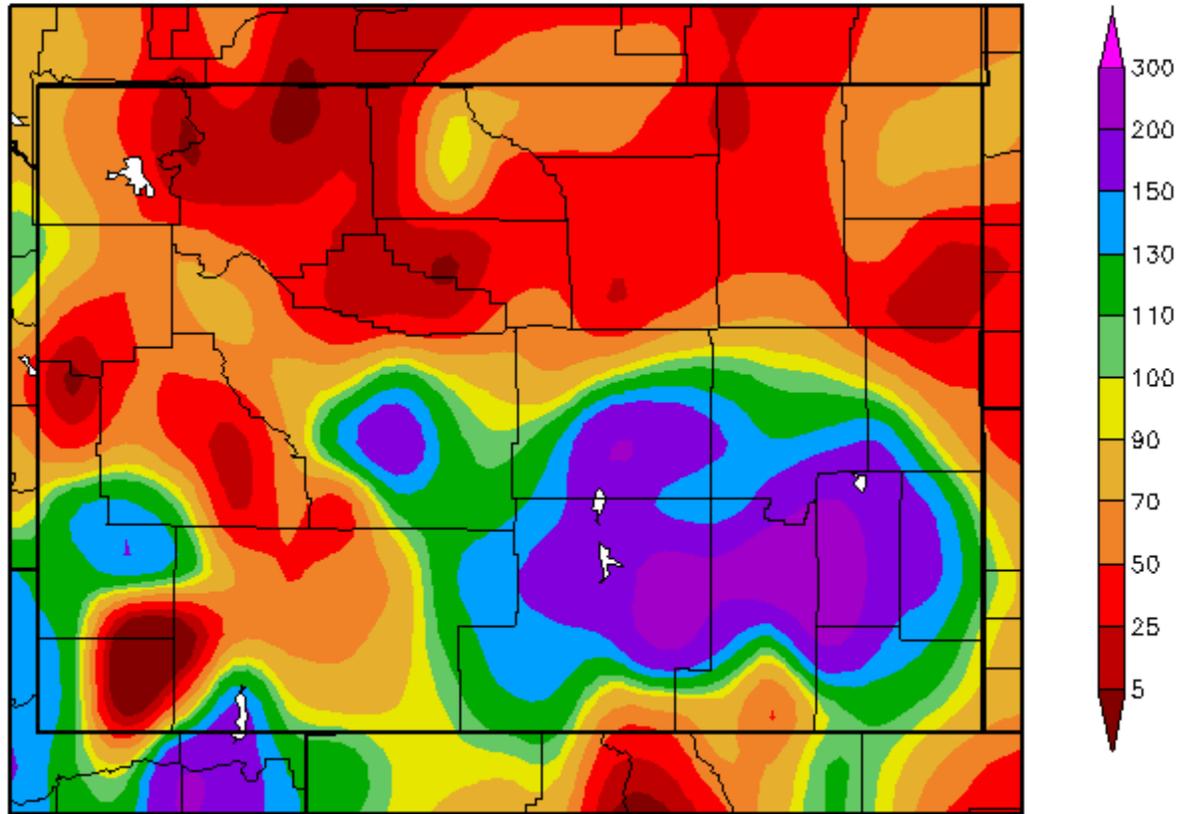


Generated 3/11/2010 at HPRCC using provisional data.

NOAA Regional Climate Centers

# Precipitation % of Historical Average: March 2010

Percent of Normal Precipitation (%)  
3/1/2010 - 3/31/2010

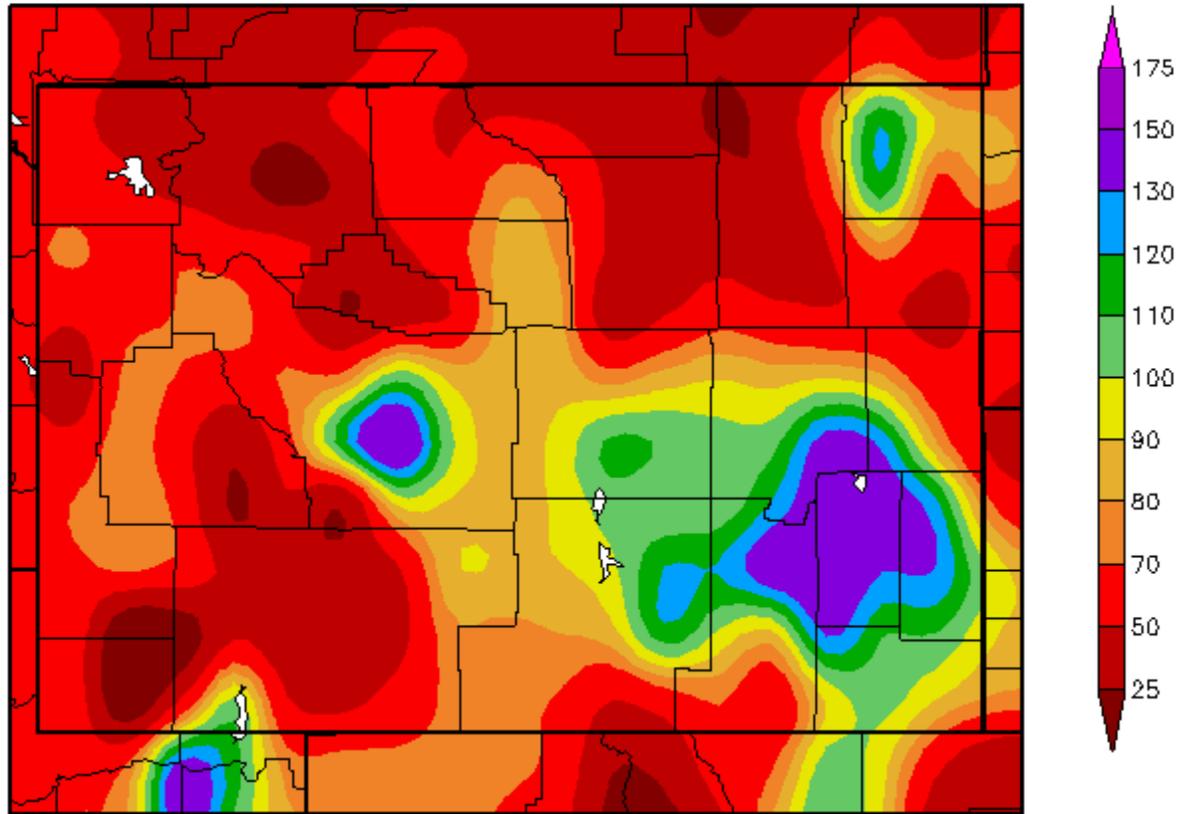


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NOAA Regional Climate Centers

# Precipitation January through March 2010

Percent of Normal Precipitation (%)  
1/1/2010 - 3/31/2010



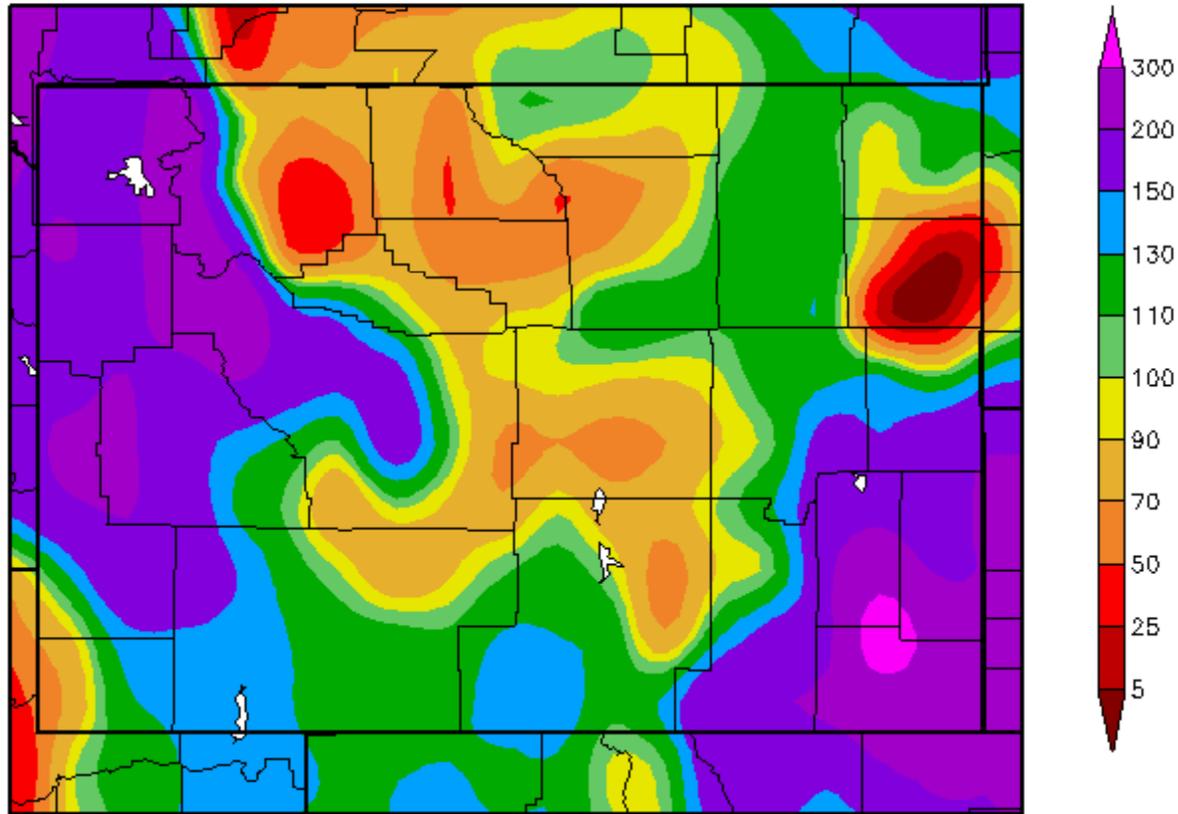
Generated 4/11/2010 at HPRCC using provisional data.

NOAA Regional Climate Centers

*Wyoming Water Resources Data System (May 18, 2010)*

# Precipitation % of Historical Average: April 2010

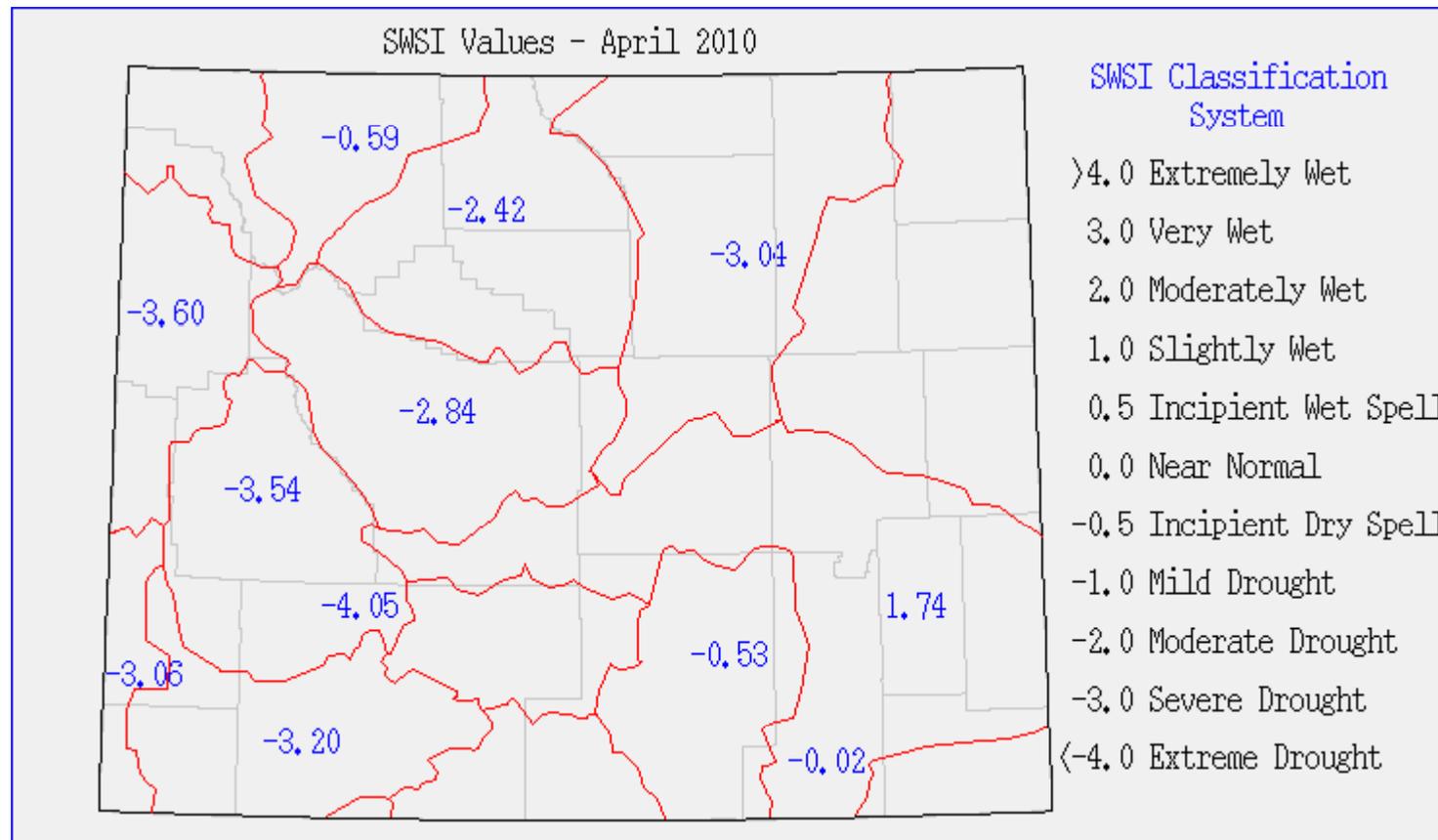
Percent of Normal Precipitation (%)  
4/1/2010 - 4/30/2010



Generated 5/11/2010 at HPRCC using provisional data.

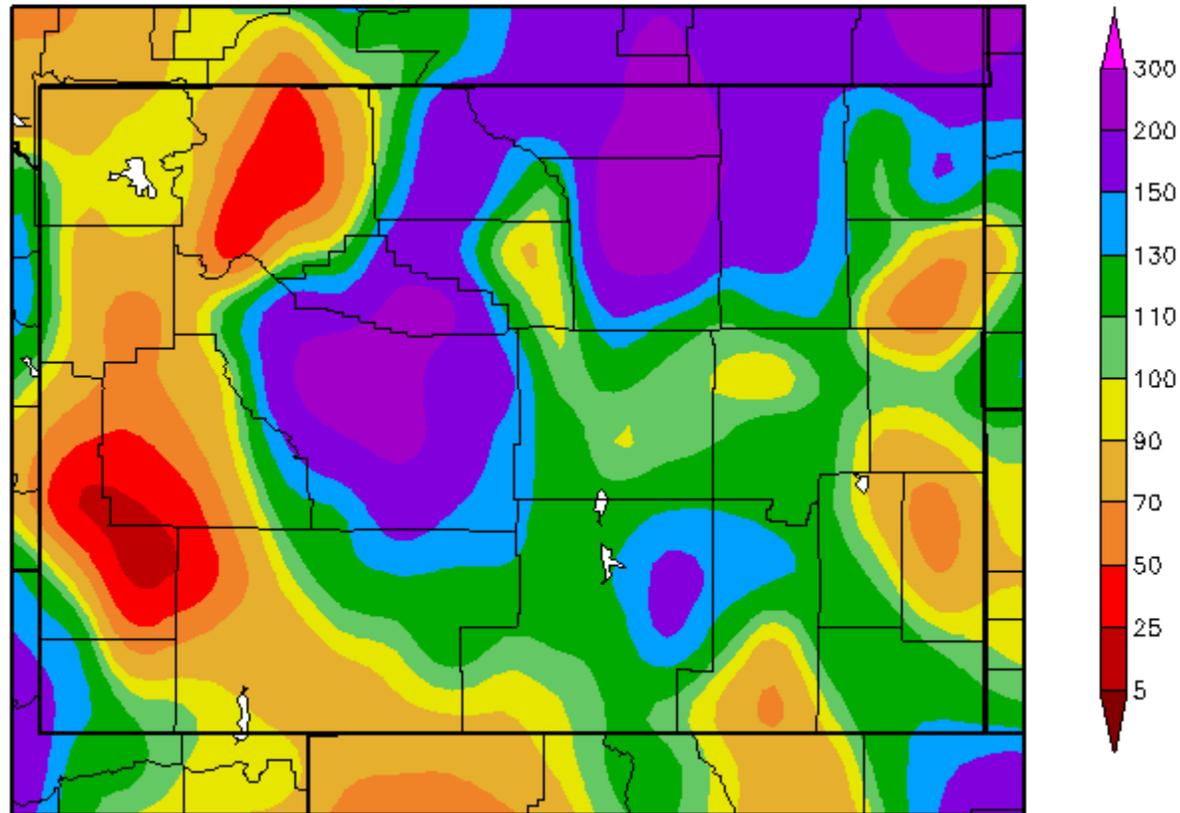
NOAA Regional Climate Centers

# Wyoming SWSI: Mid-April 2010



# Precipitation % of Historical Average: May 2010

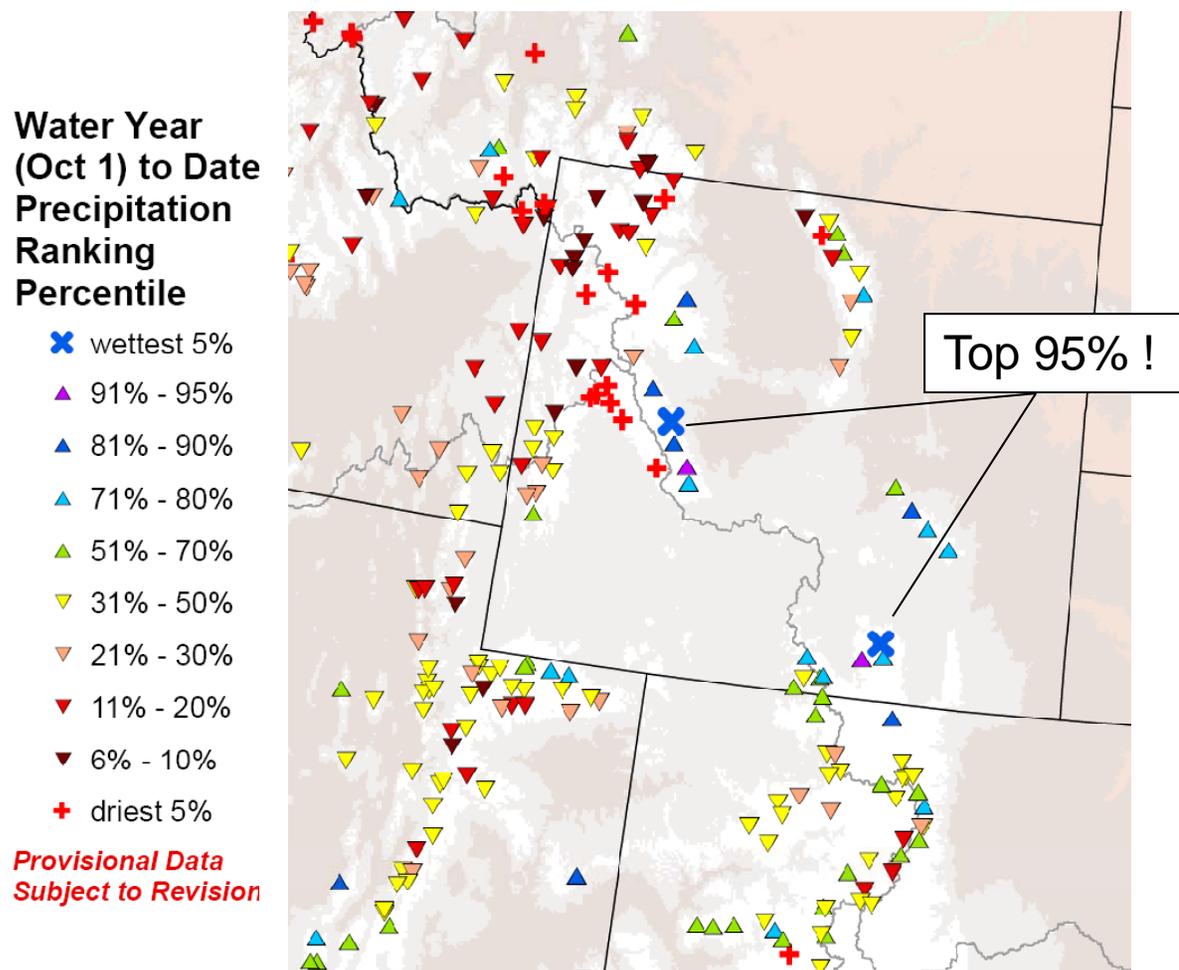
Percent of Normal Precipitation (%)  
5/1/2010 - 5/31/2010



Generated 6/11/2010 at HPRCC using provisional data.

NOAA Regional Climate Centers

## Water Year Precipitation through May 2010: Many Western Wyoming Sites Rank in Lowest 5%



Courtesy NRCS National Water and Climate Center  
<http://www.wcc.nrcs.usda.gov/snow/>

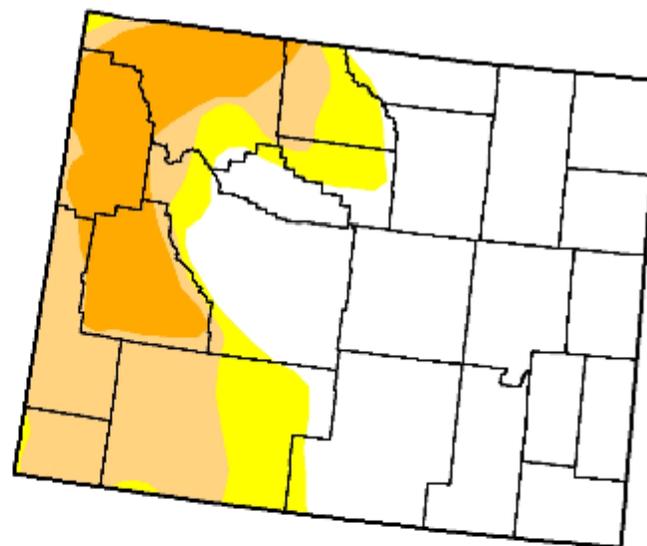
# U.S. Drought Monitor

## Wyoming

May 25, 2010  
Valid 7 a.m. EST

*Drought Conditions (Percent Area)*

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	59.8	40.2	29.6	12.5	0.0	0.0
Last Week (05/18/2010 map)	56.6	43.4	31.7	15.5	0.0	0.0
3 Months Ago (03/02/2010 map)	25.7	74.3	29.1	0.0	0.0	0.0
Start of Calendar Year (01/05/2010 map)	79.3	20.7	0.9	0.0	0.0	0.0
Start of Water Year (10/06/2009 map)	100.0	0.0	0.0	0.0	0.0	0.0
One Year Ago (05/26/2009 map)	86.2	13.8	3.1	0.0	0.0	0.0



Intensity:



The Drought Monitor focuses on broad-scale conditions.  
Local conditions may vary. See accompanying text summary  
for forecast statements

<http://drought.unl.edu/dm>

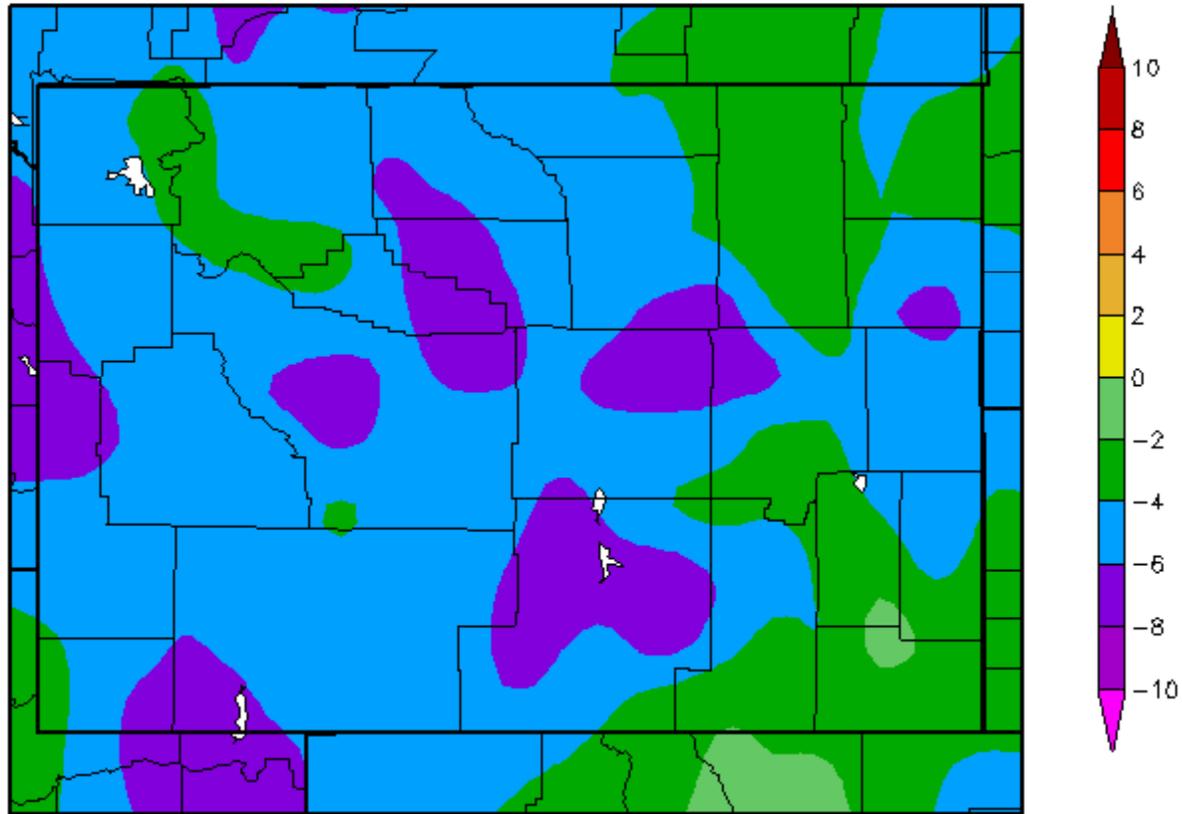


Released Thursday, May 27, 2010

Author: Eric Luebehusen, U.S. Department of Agriculture

# May 2010: Cool Temperatures Help Fend Off Drought

Departure from Normal Temperature (F)  
5/1/2010 - 5/31/2010

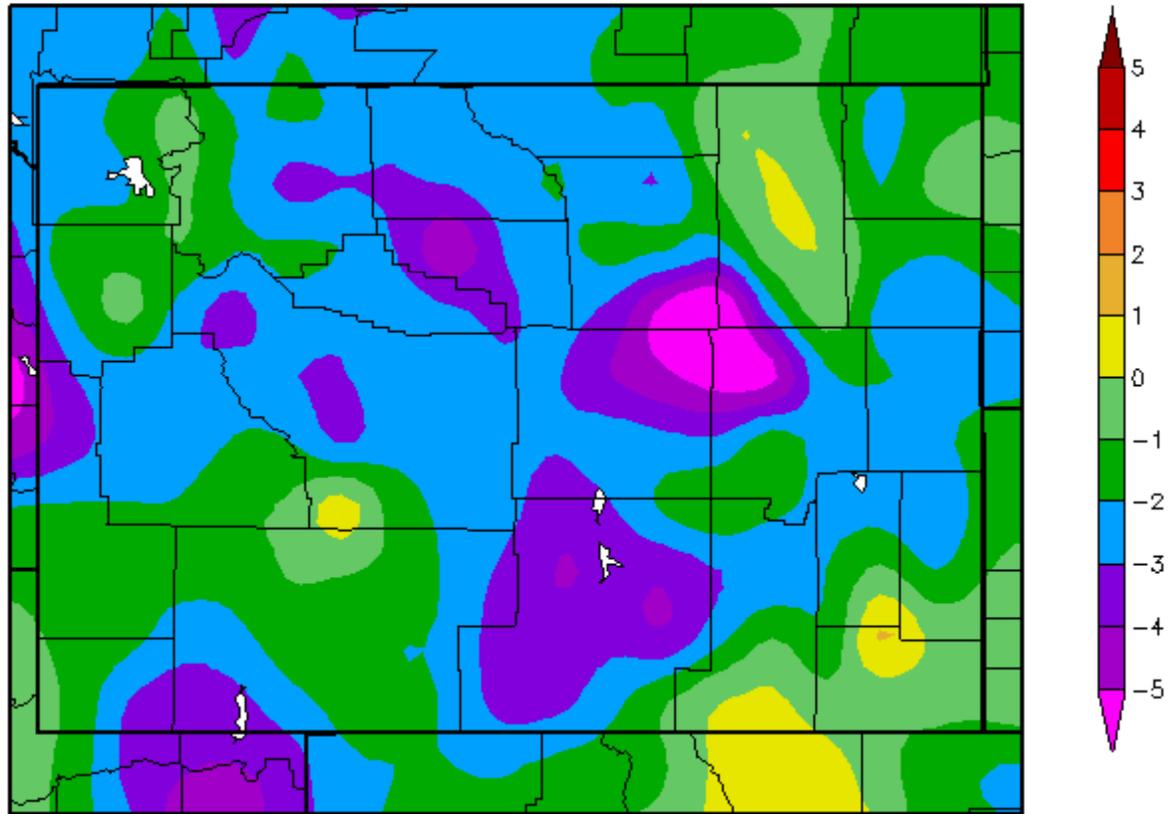


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NOAA Regional Climate Centers

# Majority of Spring Marked by Cool Temperatures

Departure from Normal Temperature (F)  
4/1/2010 - 6/30/2010

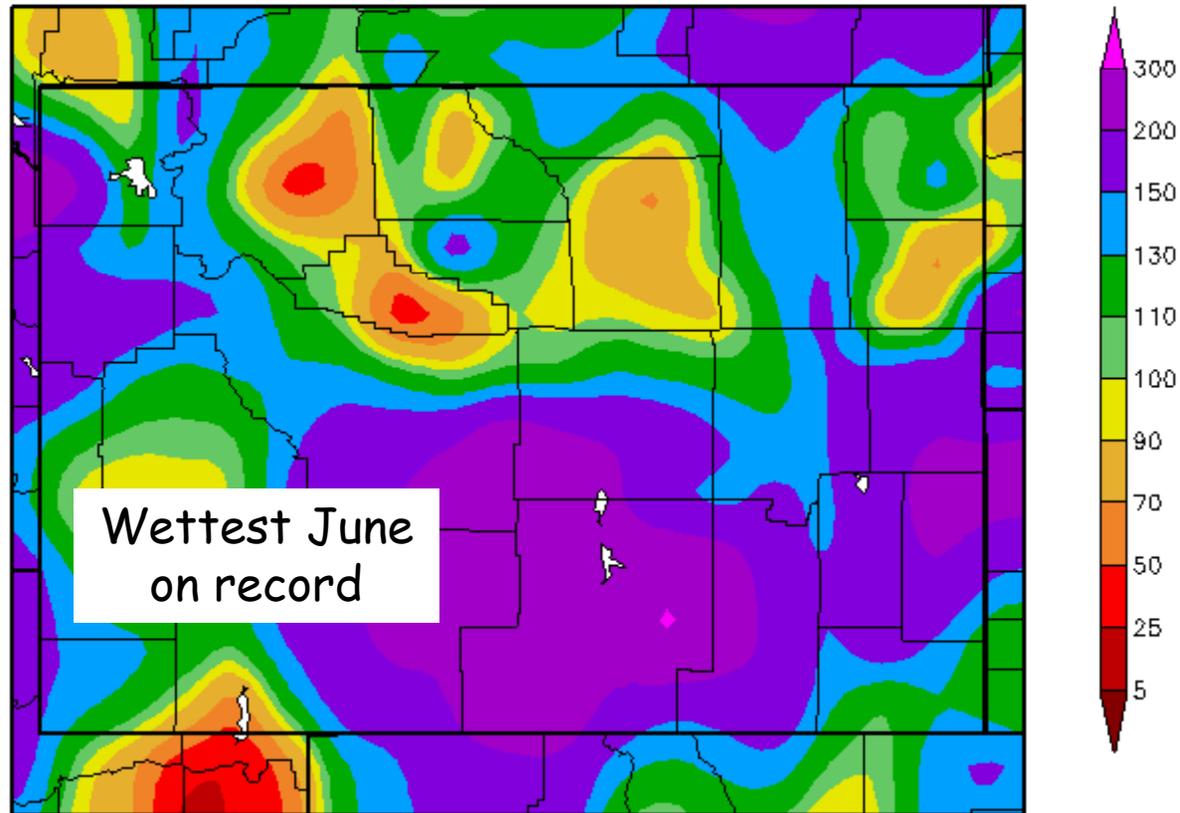


Generated 7/11/2010 at HPRCC using provisional data.

NOAA Regional Climate Centers

# Precipitation % of Historical Average: June 2010

Percent of Normal Precipitation (%)  
6/1/2010 - 6/30/2010

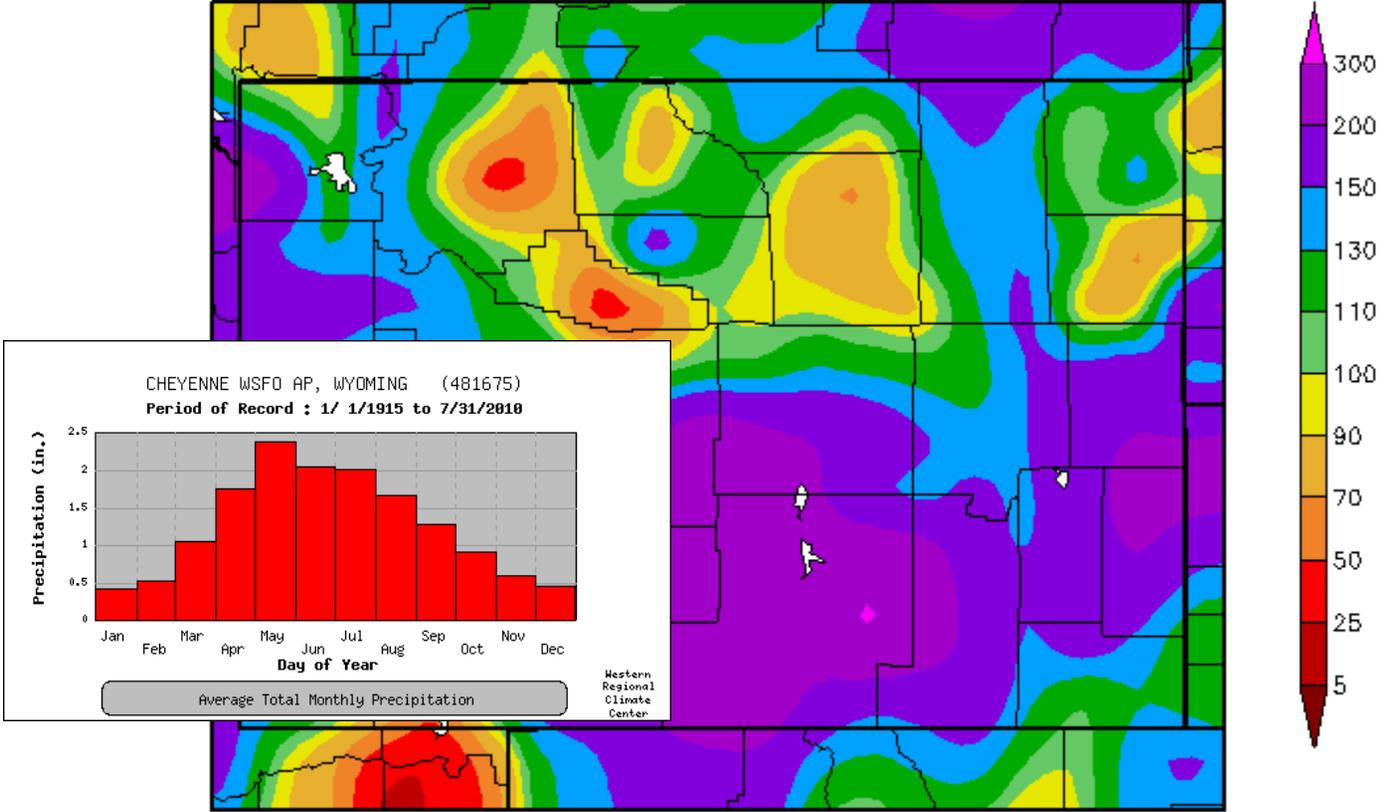


Generated 7/11/2010 at HPRCC using provisional data.

NOAA Regional Climate Centers

# Precipitation % of Historical Average: June 2010

Percent of Normal Precipitation (%)  
6/1/2010 - 6/30/2010

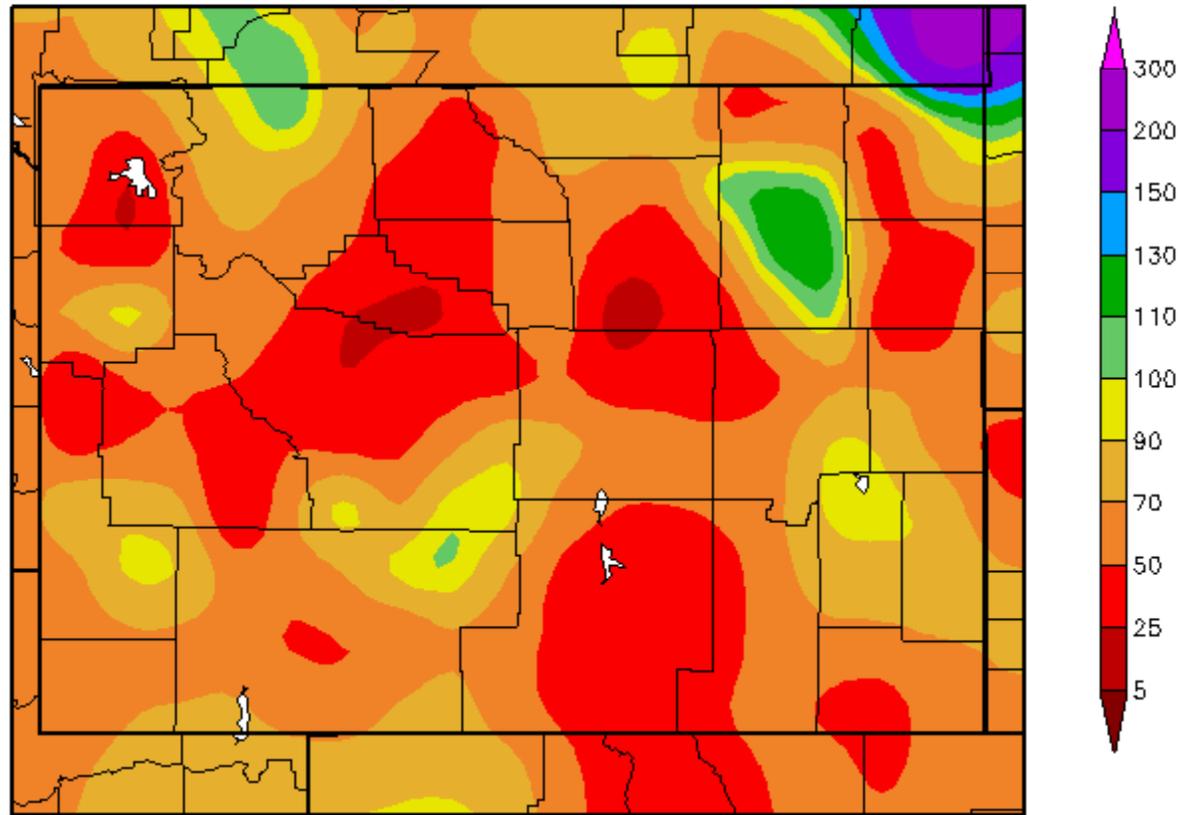


Generated 7/11/2010 at HPRCC using provisional data.

NOAA Regional Climate Centers

# Precipitation % of Historical Average: July-Sept

Percent of Normal Precipitation (%)  
7/1/2010 - 9/30/2010

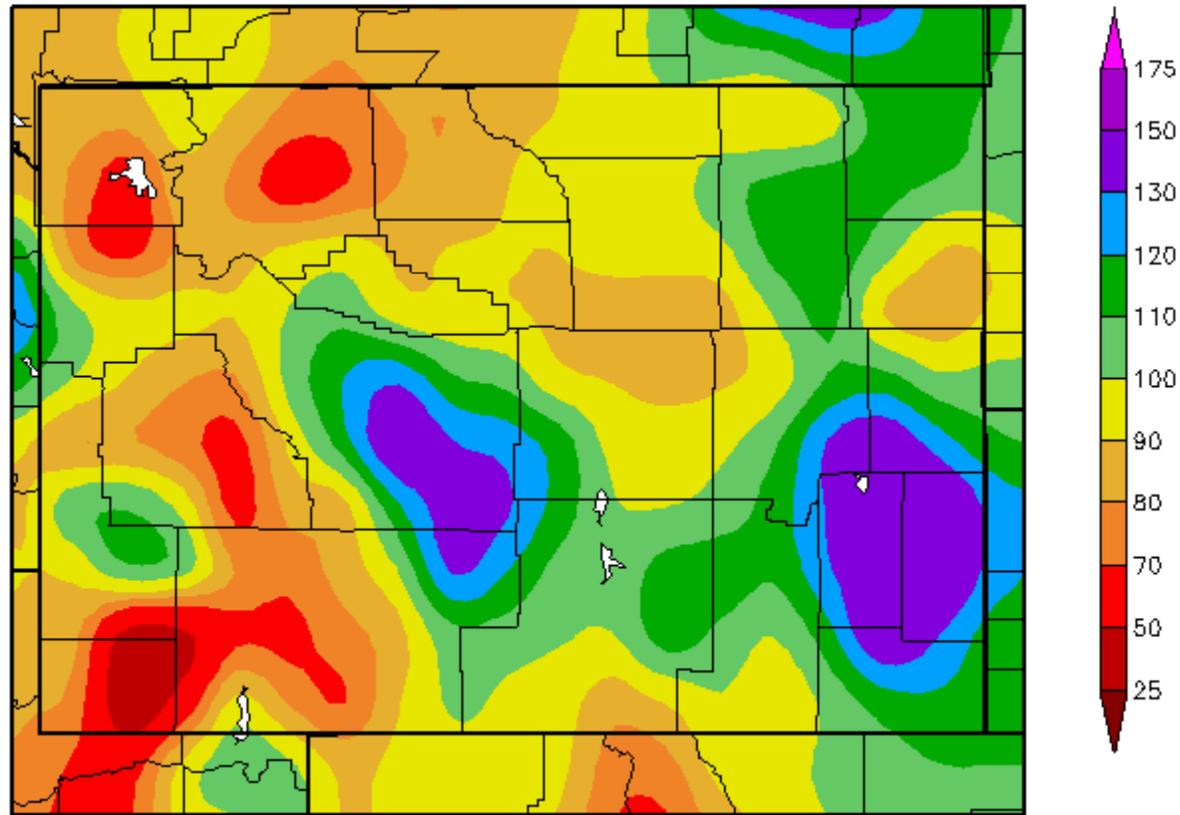


Generated 10/11/2010 at HPRCC using provisional data.

Regional Climate Centers

# Precipitation % of Historical Average: Water Year 2010

Percent of Normal Precipitation (%)  
10/1/2009 - 9/30/2010

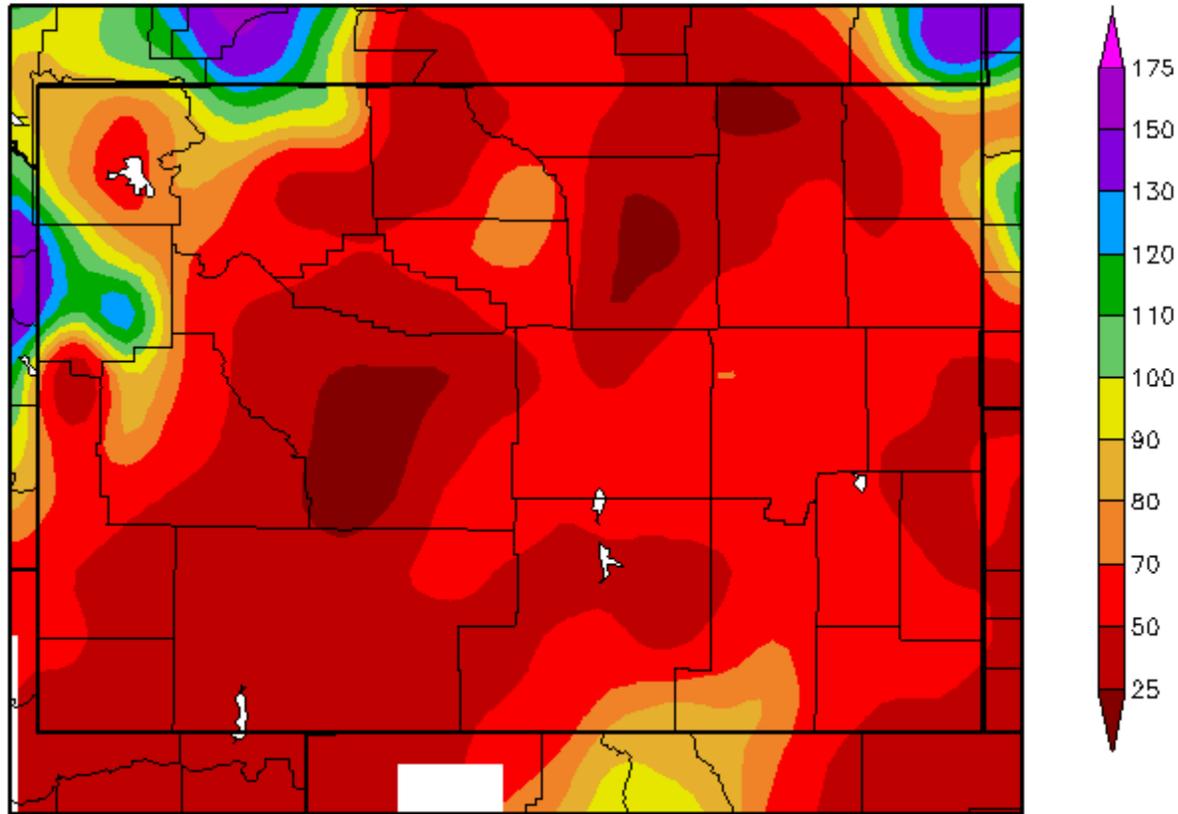


Generated 10/11/2010 at HPRCC using provisional data.

Regional Climate Centers

# Precipitation % of Historical Average: Past 90 Days

Percent of Normal Precipitation (%)  
8/24/2010 - 11/21/2010

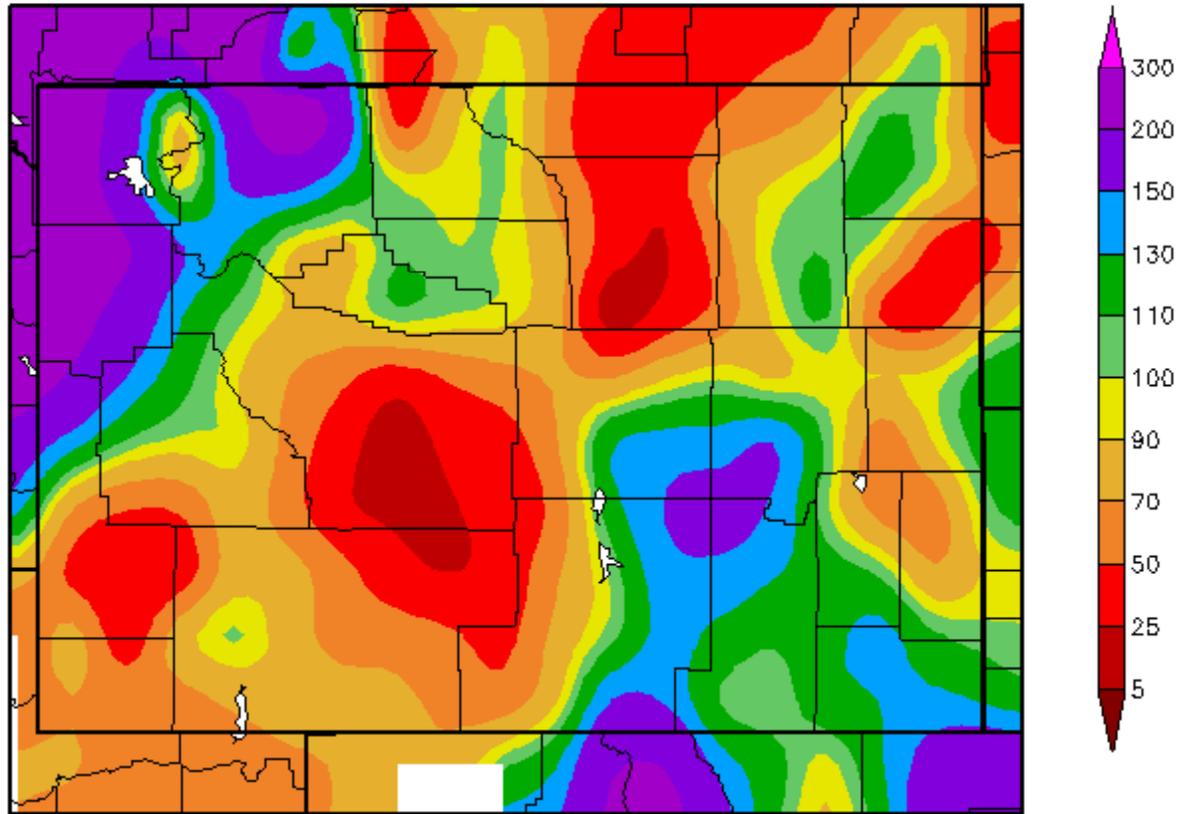


Generated 11/22/2010 at HPRCC using provisional data.

Regional Climate Centers

# Past 30 Days = Relief for the Northwest

Percent of Normal Precipitation (%)  
10/23/2010 - 11/21/2010



Generated 11/22/2010 at HPRCC using provisional data.

Regional Climate Centers

# U.S. Drought Monitor

## Wyoming

November 16, 2010

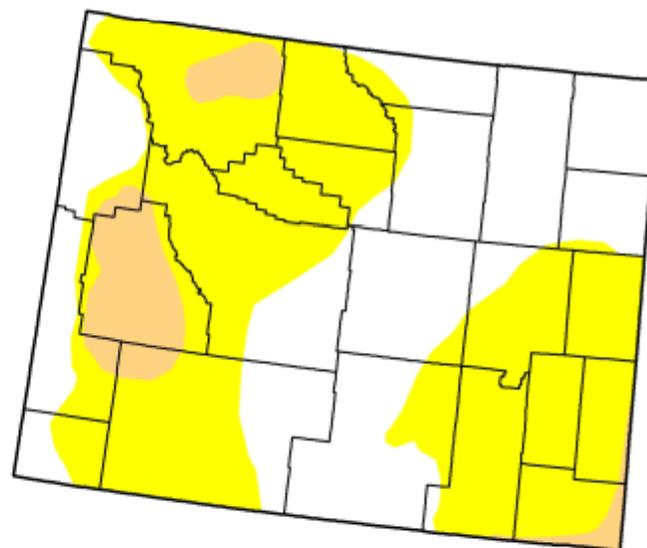
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	42.2	57.8	7.6	0.0	0.0	0.0
Last Week (11/09/2010 map)	41.6	58.4	9.2	0.0	0.0	0.0
3 Months Ago (08/24/2010 map)	70.3	29.7	7.4	0.0	0.0	0.0
Start of Calendar Year (01/05/2010 map)	79.3	20.7	0.9	0.0	0.0	0.0
Start of Water Year (10/05/2010 map)	32.2	67.8	8.1	0.0	0.0	0.0
One Year Ago (11/17/2009 map)	100.0	0.0	0.0	0.0	0.0	0.0

Intensity:

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements

<http://drought.unl.edu/dm>



Released Thursday, November 18, 2010

Author: M. Brewer, NOAA/NCDC

# Online Resources

Water Resources Data System - Windows Internet Explorer

http://www.wrds.uwyo.edu/

File Edit View Favorites Tools Help

Water Resources Data System

UNIVERSITY OF WYOMING UW Home | Wyo Web | About UW | Apply | A-Z Directory | Phone/E-mail | Search UW

## WRDS

### Water Resources Data System

**WRDS Homepage**  
Online Data  
Water  
Climate  
Map Server  
Water Library  
State Climate Office  
Drought  
Cooperative Projects  
Snowpack  
Research Support  
Other Water Sites

**CoCoRaHS**

Water Resources Data System  
Dept 3943  
1000 E. University Ave.  
Laramie, WY 82071

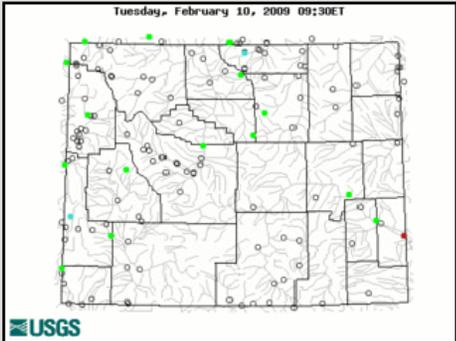
wrds@uwyo.edu  
Ph (307) 766-6651  
Fax (307) 766-3785

UW Civil Engineering  
**UNIVERSITY OF WYOMING**  
New Thinking

### Water and Climate Data for the State of Wyoming

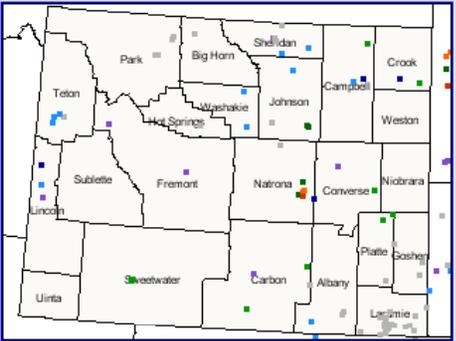
Sponsored by the Wyoming Water Development Office

The Water Resources Data System (WRDS) is a clearinghouse of hydrological and climatological data for the State of Wyoming. WRDS is funded by the [Wyoming Water Development Office](#) and housed within the [Department of Civil and Architectural Engineering](#) at the University of Wyoming. The Wyoming State Climate Office (SCO) is a branch of WRDS, and together we provide a variety of services ranging from the development of enhanced drought-monitoring products to the online dissemination of water resources publications. WRDS and the SCO also support a variety of stakeholder groups by assisting in the development of the [State Water Plan](#) and helping to coordinate long-term monitoring efforts throughout the region.



USGS

Wyoming Streamflow (click map to enlarge)  
Updated: Tuesday, 10-Feb-2009 08:01:01 MST



Today's CoCoRaHS Precipitation Reports  
Click Map to Enlarge  
[Become an Observer](#)

Internet 100%

Wyoming State Water Plan - Windows Internet Explorer

http://waterplan.state.wy.us/plans/statewide/tables/irrig\_acres.html

Wyoming State Water Plan  
Wyoming Water Development Office  
6920 Yellowtail Rd  
Cheyenne, WY 82002  
Phone: 307-777-7626

Home Page News & Information River Basin Plans Basin Advisory Groups Planning Products

Statewide Framework Plan Updated Data Tables

Irrigated Acreage from Most Recent Update

River Basin	Irrigated Lands <sup>2</sup> (acres)			
	1973 Total	Total	Surface Water	Ground Water
Bear	59,000	64,000		
Green <sup>1</sup>	332,000	342,000	334,500	7,500
Northeast Wyoming <sup>3</sup>	163,000	77,600	59,600	18,000
Platte	553,000	613,000		220
Powder/Tongue <sup>1,3</sup>		161,400	161,100	220
Snake/Salt	94,000	99,000		
Wind/Bighorn <sup>4</sup>	539,000	601,000		
Total	1,738,000	1,947,100		

Values in RED indicates basins updated since previous statewide plan.

1 In the 1973 Framework Plan, Powder/Tongue Basin is included in Northeast Wyoming Basin. Also, the 1973 Wind/Bighorn Basin included the Little Bighorn subbasin, but the Little Bighorn is in the 2002 Powder/Tongue Basin.

2 Current irrigated acreage listed for primary source of supply. Idle lands identified in the Northeast Wyoming and Powder/Tongue basins are not included.

3 Only Green, Northeast, and Powder/Tongue River Basin Plans distinguished between surface water and groundwater irrigated acreage.

4 Current Wind/Bighorn figure is modeled irrigated acreage for full-supply scenario and does not include Popo Agie Basin or Tribal Futures Projects.

[Irrigated Acreage Table from Previous Statewide Plan](#)

Privacy Policy

## Other Resources to Support Planning and Policy Related to Drought and Climate Change

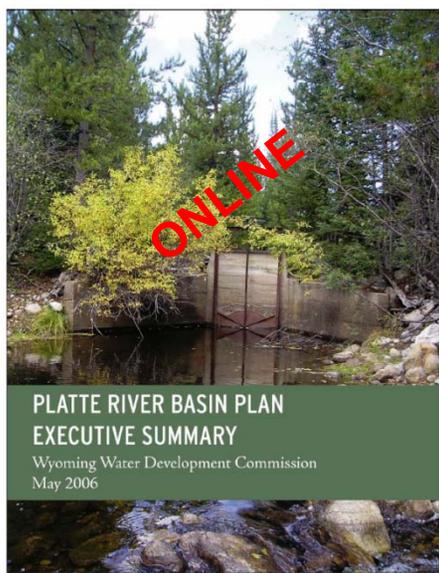
WWDO  
& WRDS  
ONLINE  
WATER  
RESOURCE  
TOOLS

Wyoming Water Development Office  
&  
Water Resources Data System

The  
Wyoming  
Water  
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at the  
Water  
Resources  
Data  
System

Sponsored by the Wyoming Water Development Office



**ONLINE**

**PLATTE RIVER BASIN PLAN  
EXECUTIVE SUMMARY**  
Wyoming Water Development Commission  
May 2006



# WRDS



WATER RESOURCES DATA SYSTEM

<http://www.wrds.uwyo.edu>

[http://www.wrds.uwyo.edu/sco/climate\\_office.html](http://www.wrds.uwyo.edu/sco/climate_office.html)

<http://waterplan.state.wy.us>

**Steve Gray**

**[stateclim@wrds.uwyo.edu](mailto:stateclim@wrds.uwyo.edu)**