

WRDS



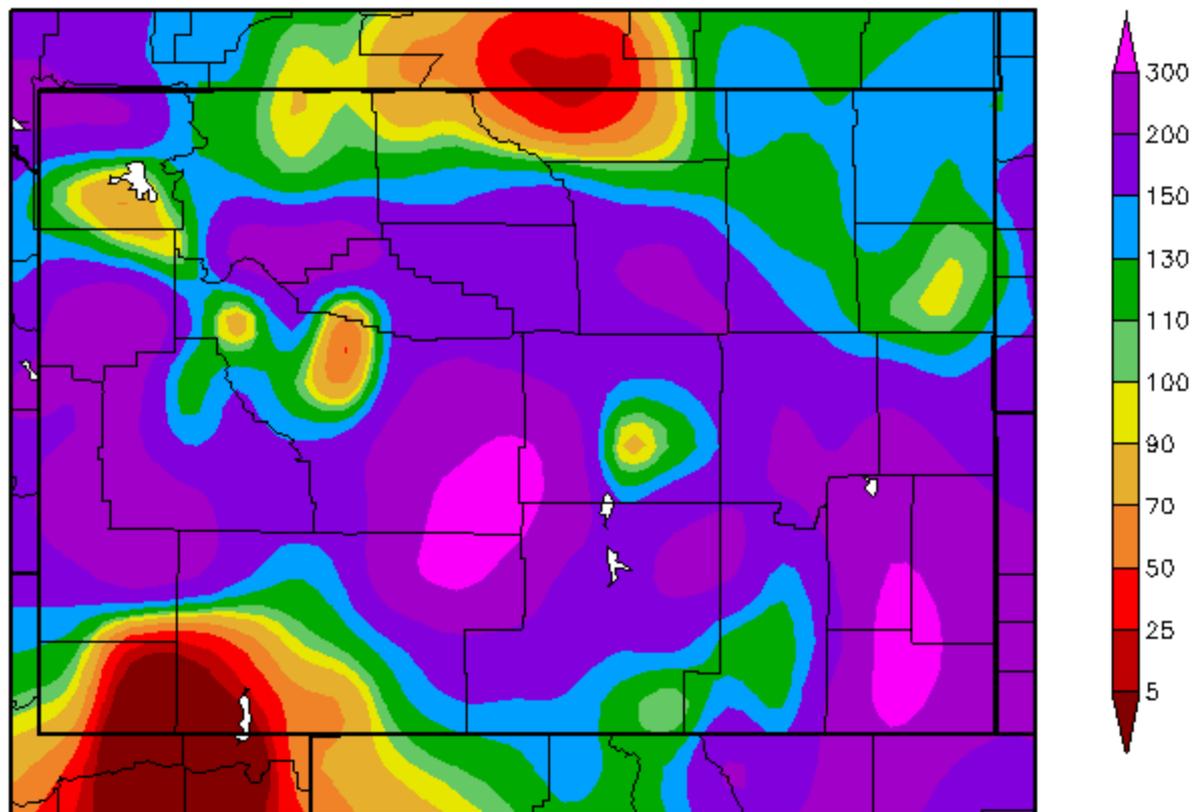
WATER RESOURCES DATA SYSTEM

Climate of Water Year 2010 and WRDS Update

Steve Gray
stateclim@wrds.uwyo.edu

Precipitation % of Historical Average: October 2009

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

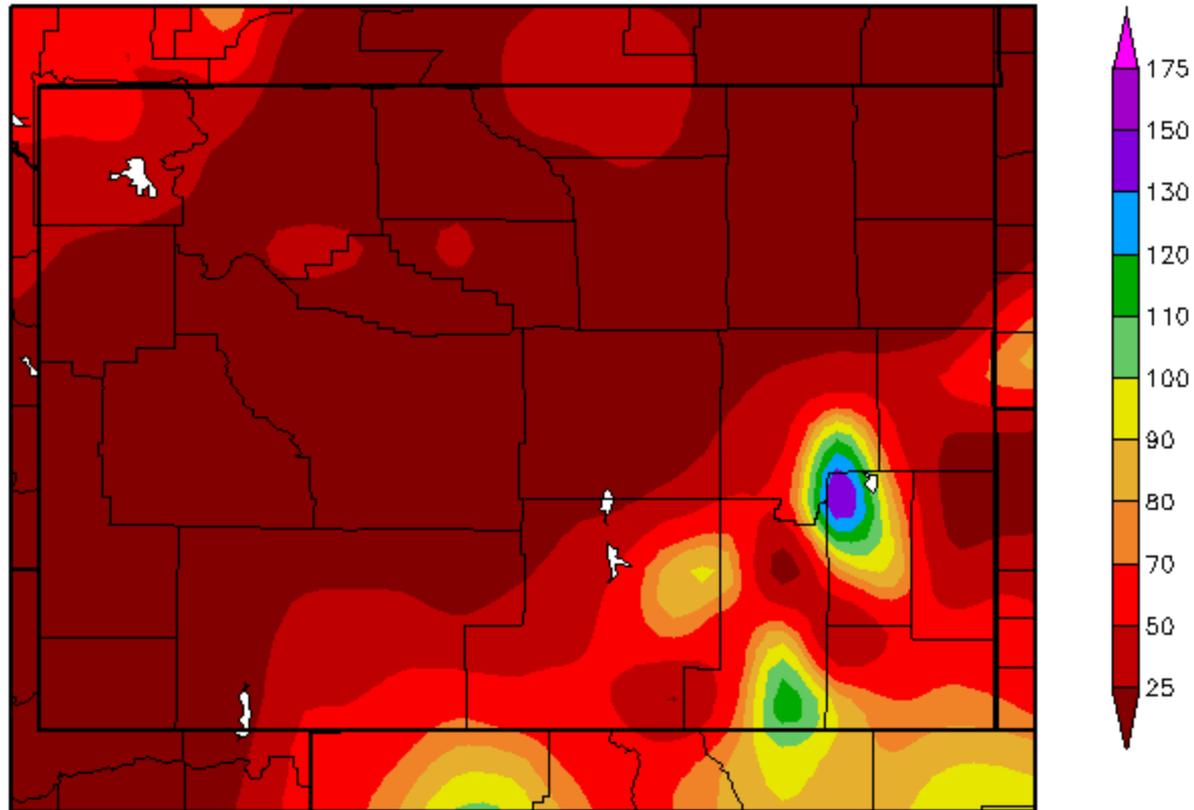


Generated 11/11/2009 at HPRCC using provisional data.

NOAA Regional Climate Centers

Precipitation % of Historical Average: November 2009

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

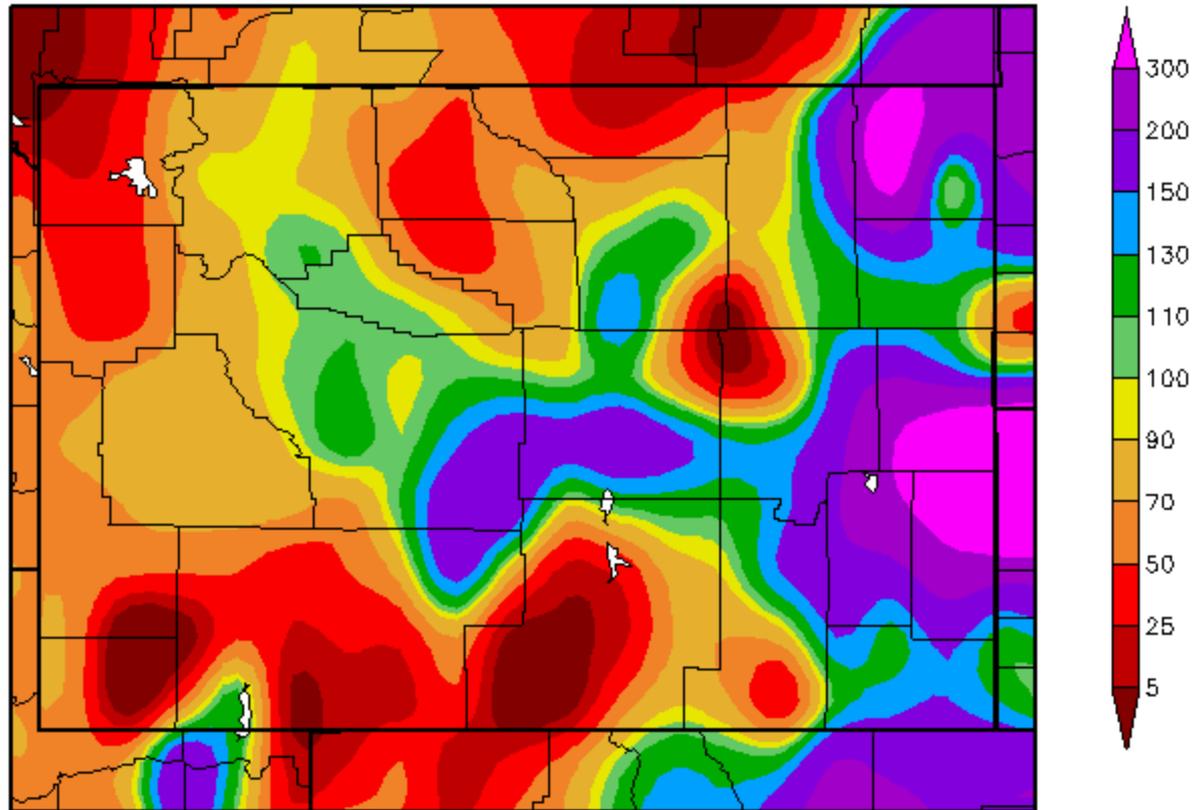


Generated 12/11/2009 at HPRCC using provisional data.

NOAA Regional Climate Centers

Precipitation % of Historical Average: December 2009

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

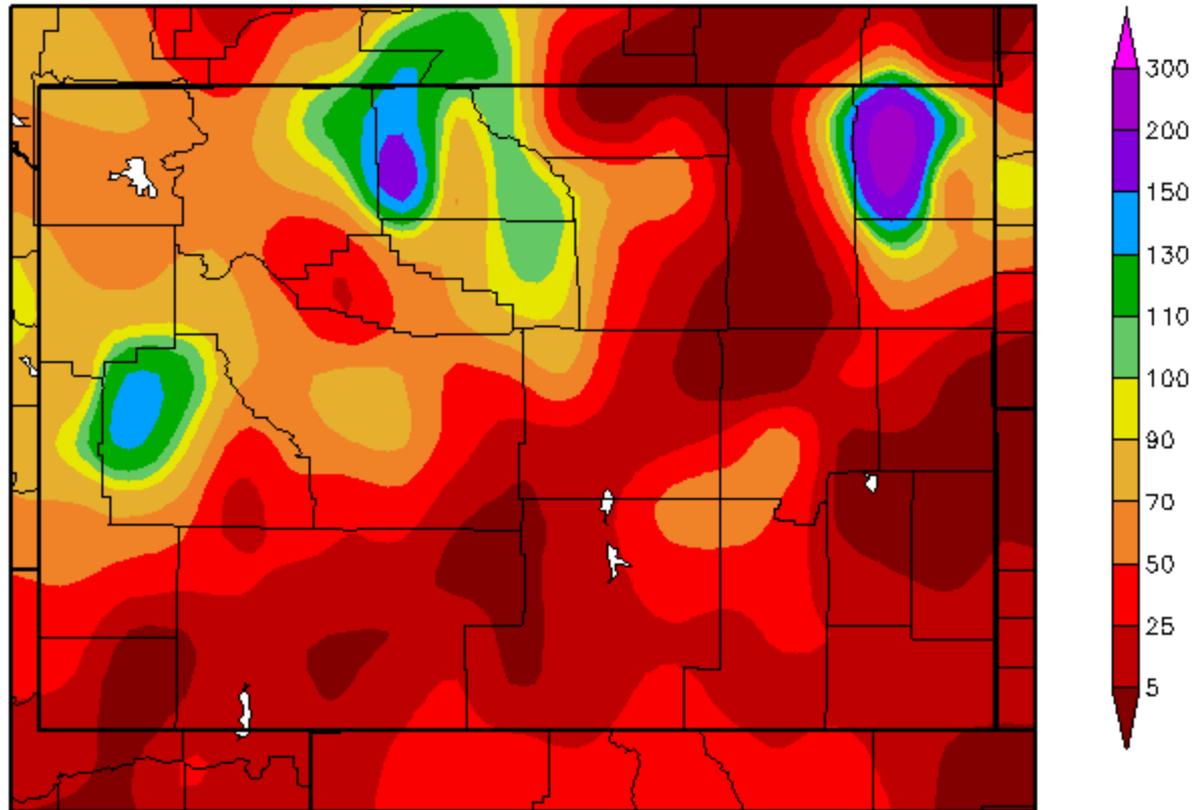


Generated 1/11/2010 at HPRCC using provisional data.

NOAA Regional Climate Centers

Precipitation % of Historical Average: January 2010

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

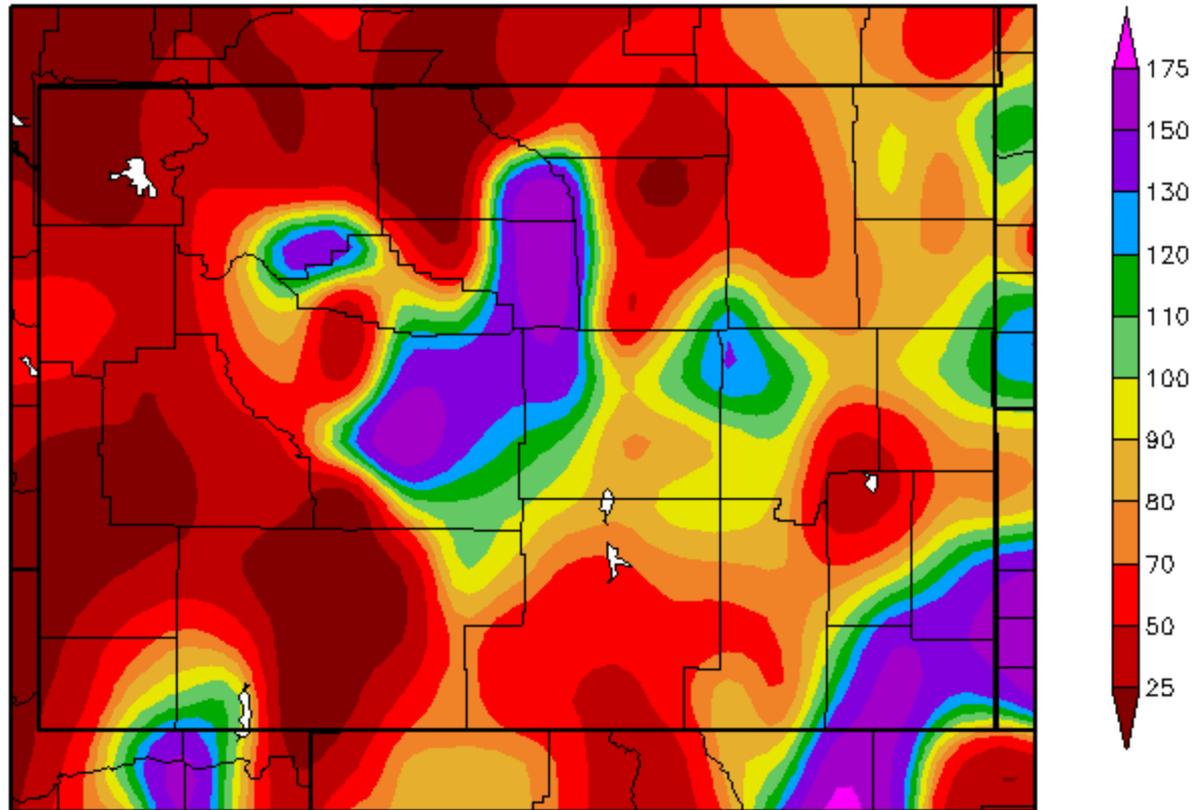


Generated 2/11/2010 at HPRCC using provisional data.

NOAA Regional Climate Centers

Precipitation % of Historical Average: February 2010

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

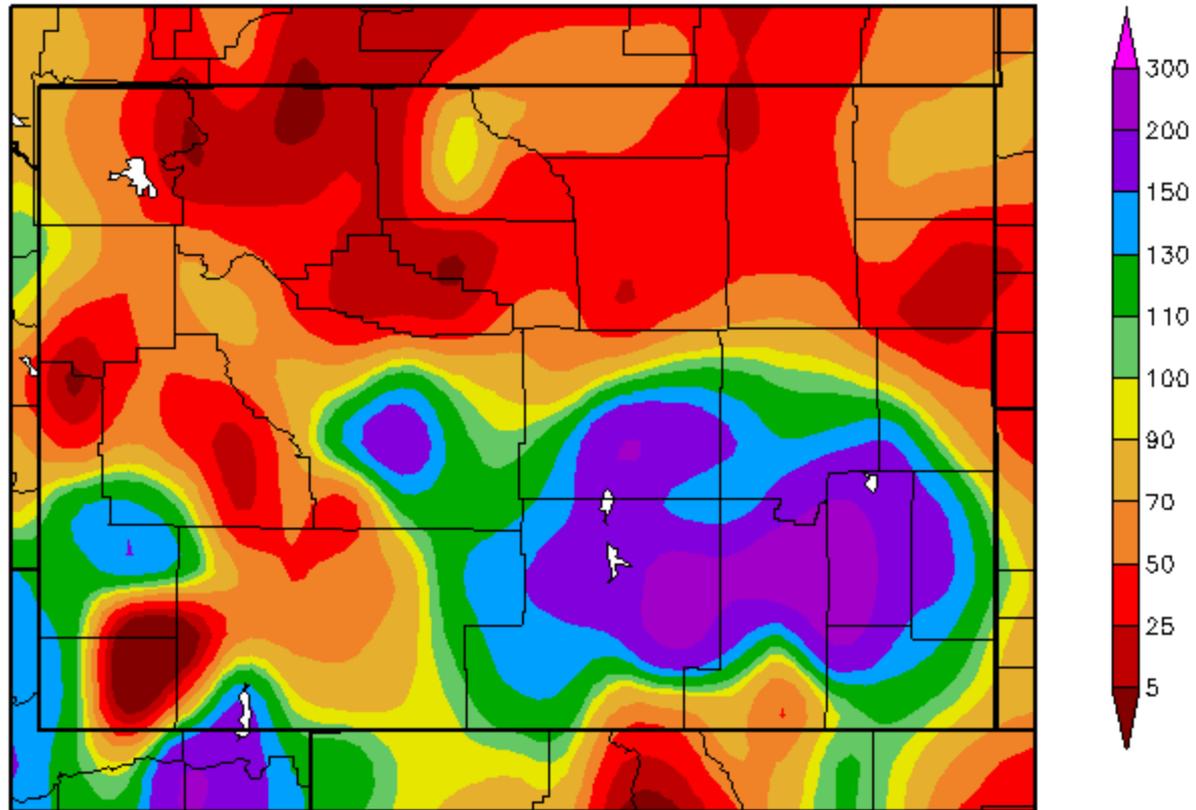


Generated 3/11/2010 at HPRCC using provisional data.

NOAA Regional Climate Centers

Precipitation % of Historical Average: March 2010

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

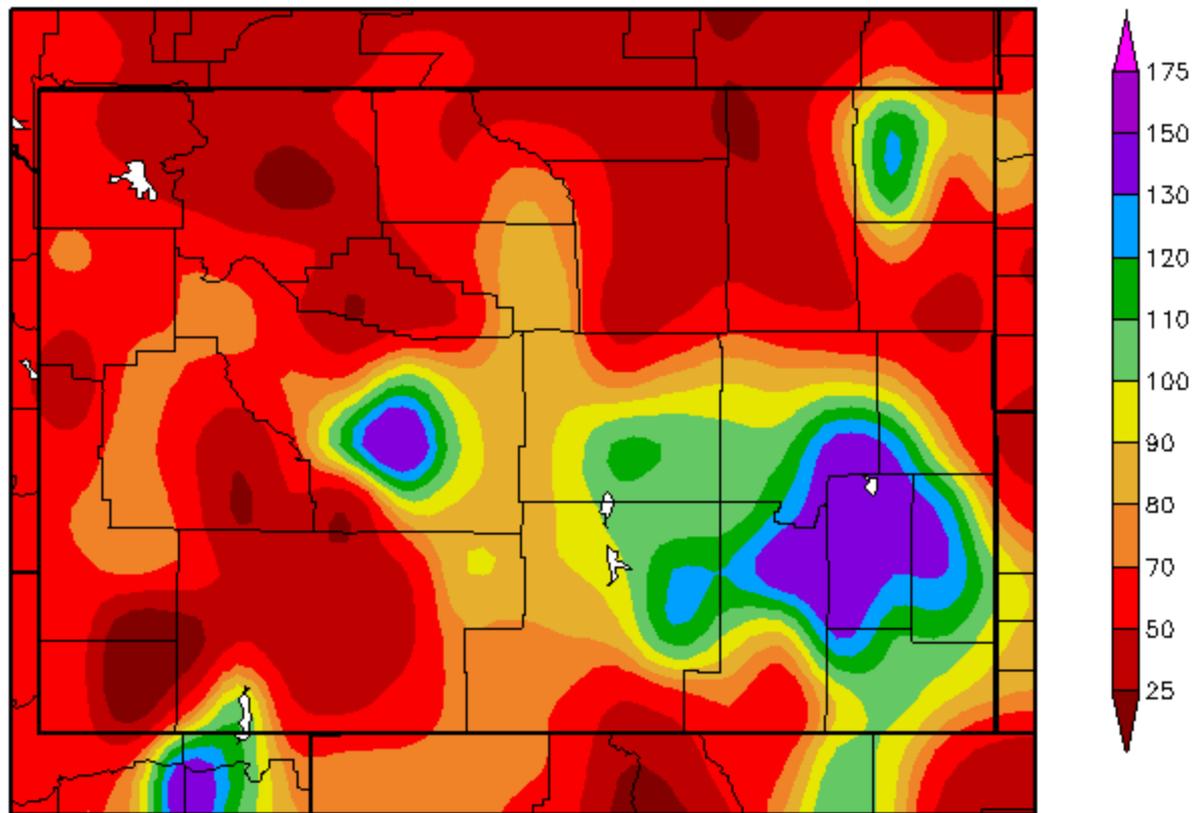


Generated 4/11/2010 at HPRCC using provisional data.

NOAA Regional Climate Centers

Precipitation January through March 2010

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

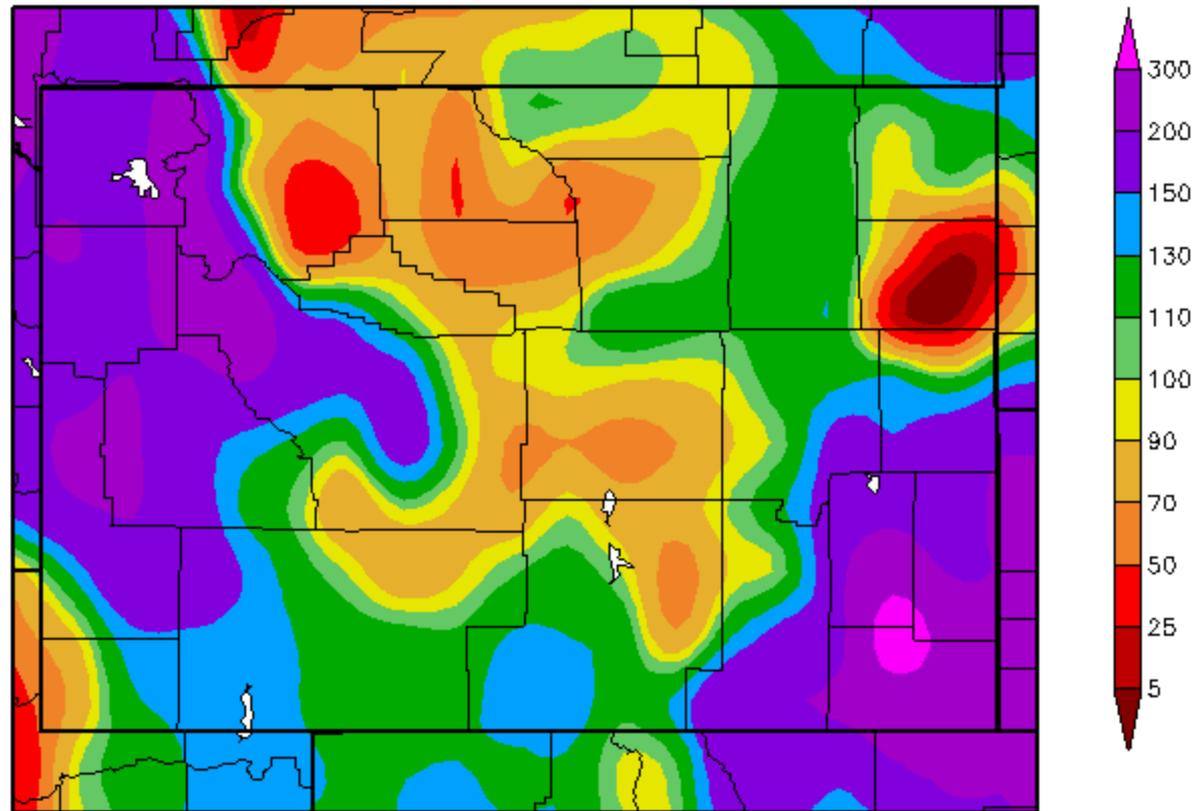


Generated 4/11/2010 at HPRCC using provisional data.

NOAA Regional Climate Centers

Precipitation % of Historical Average: April 2010

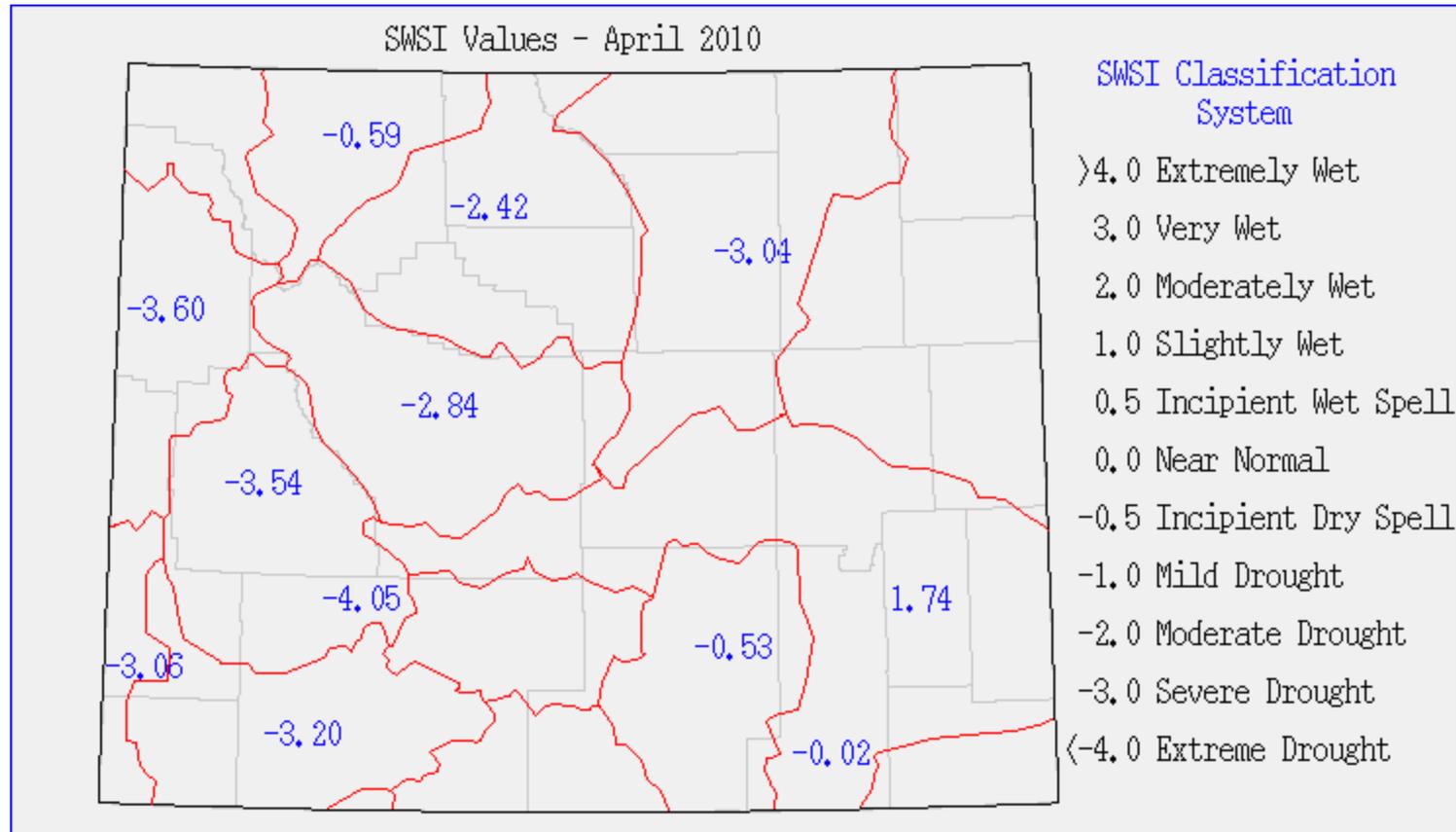
Percent of Normal Precipitation (%)
4/1/2010 - 4/30/2010



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

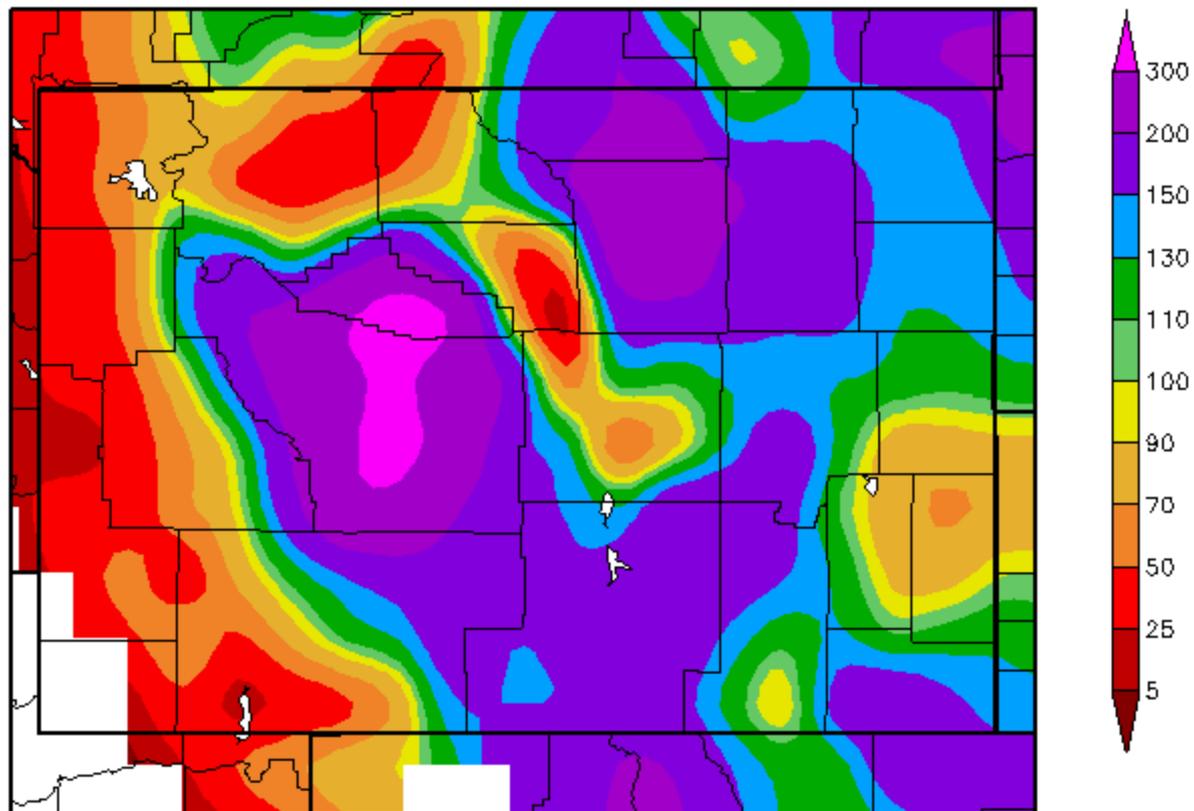
NOAA Regional Climate Centers

Wyoming SWSI: Mid-April 2010



Precipitation % of Historical Average: May 2010

Percent of Normal Precipitation (%)
5/1/2010 - 5/17/2010

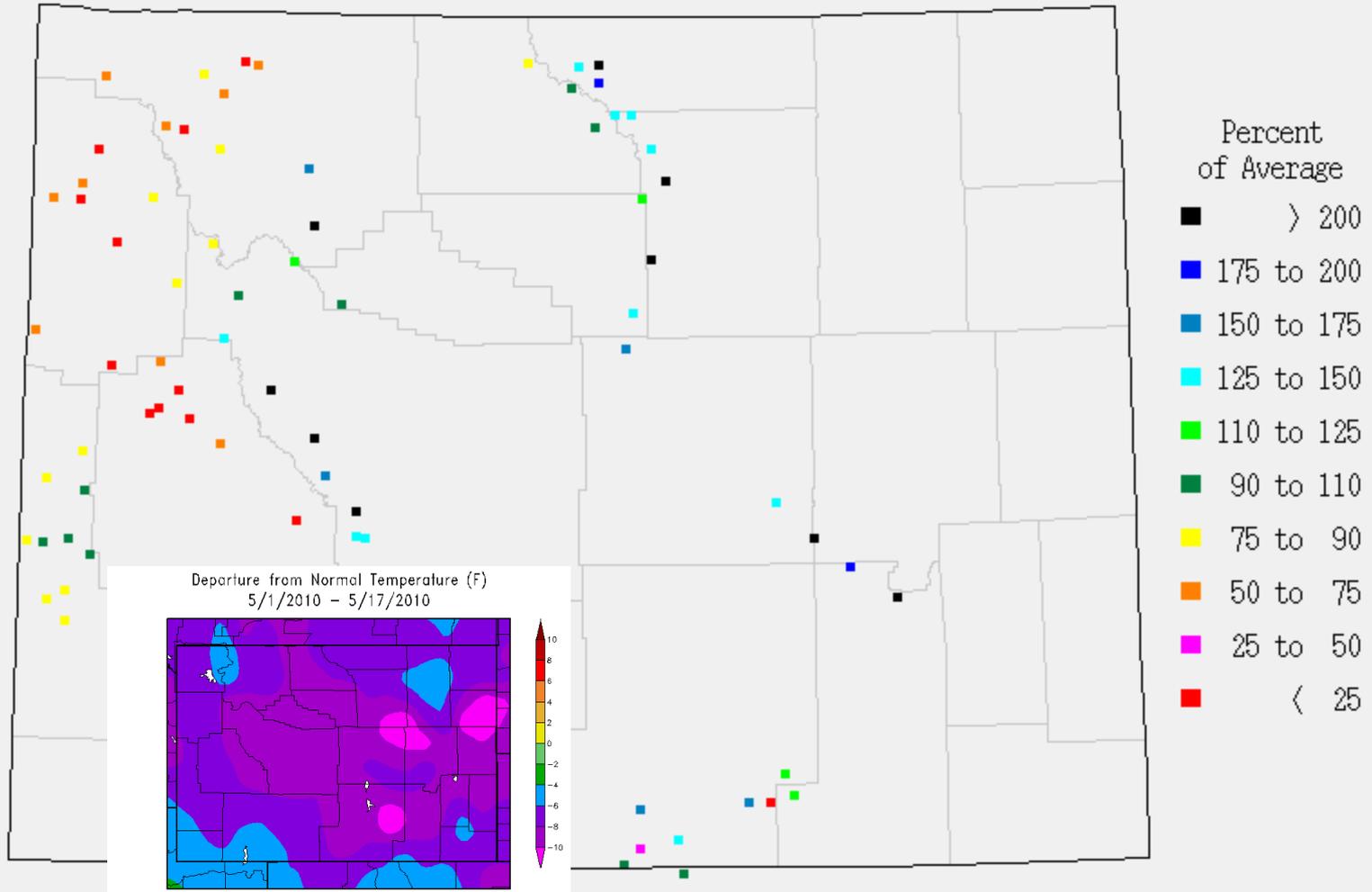


Generated 5/18/2010 at HPRCC using provisional data.

NOAA Regional Climate Centers

Statewide SWE % of Historical Average

% Average Snow Water Equivalent
Tuesday, 18 May 2010



Generated 5/18/2010 at HPRCC using provisional data. NOAA Regional Climate Centers

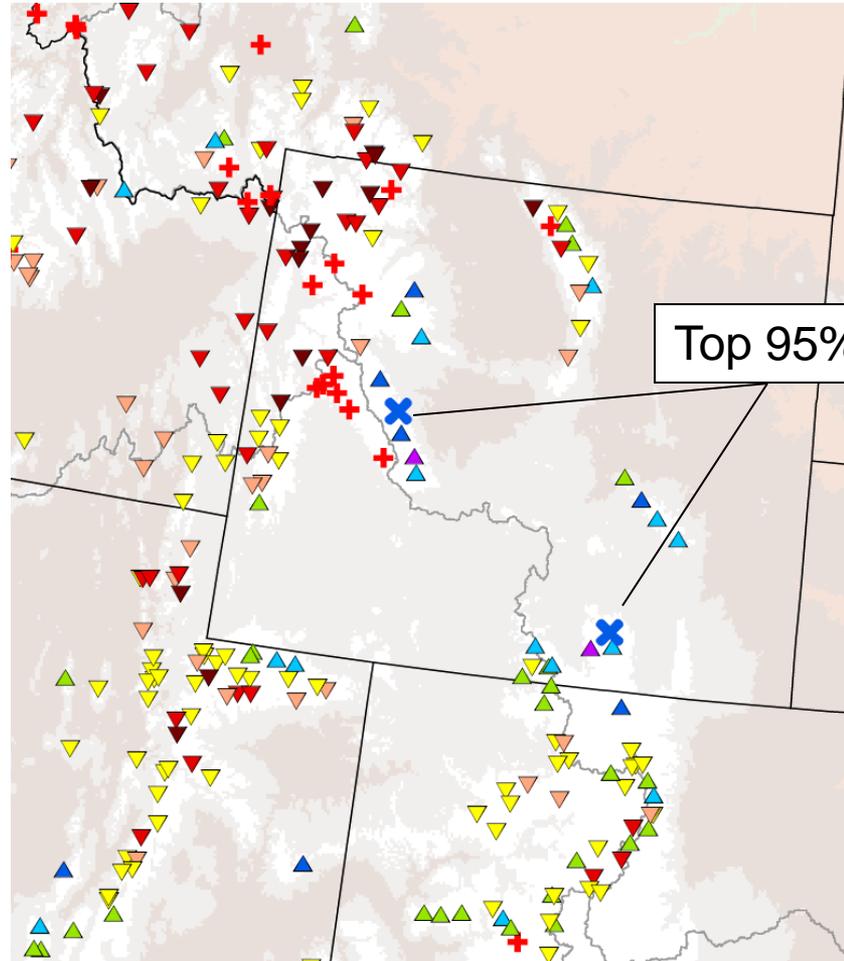
Provisional Data Based on Mountain Data from NRCS SNOTEL Sites
Plot Courtesy of the Water Resources Data System for the State of Wyoming

Water Year Precipitation at Many Western Wyoming Sites Ranks Lowest 5%

Water Year (Oct 1) to Date Precipitation Ranking Percentile

- ✕ wettest 5%
- ▲ 91% - 95%
- ▲ 81% - 90%
- ▲ 71% - 80%
- ▲ 51% - 70%
- ▼ 31% - 50%
- ▼ 21% - 30%
- ▼ 11% - 20%
- ▼ 6% - 10%
- ✚ driest 5%

*Provisional Data
Subject to Revisor.*



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

The Water Resources Data System

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

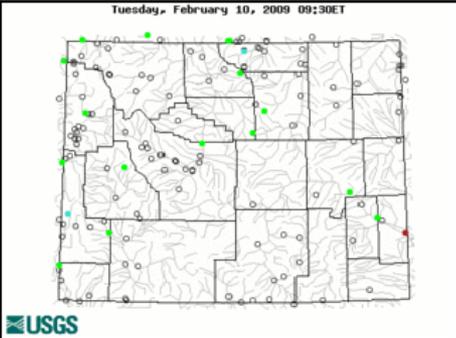
wrds@uwyo.edu
Ph (307) 766-6651
Fax (307) 766-3785

UW Civil Engineering
UNIVERSITY OF WYOMING
New Thinking

Water and Climate Data for the State of Wyoming

Sponsored by the Wyoming Water Development Office

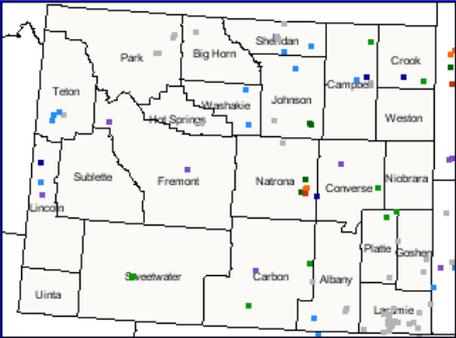
The Water Resources Data System (WRDS) is a clearinghouse of hydrological and climatological data for the State of Wyoming. WRDS is funded by the [Wyoming Water Development Office](#) and housed within the [Department of Civil and Architectural Engineering](#) at the University of Wyoming. The Wyoming 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.



Tuesday, February 10, 2009 09:30ET

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%

WRDS: Tracking Wyoming Climate

Wyoming State Climate Office - Data - Windows Internet Explorer

http://www.wrds.uwyo.edu/sco/data/data.html

Wyoming State Climate Office - Data

UNIVERSITY OF WYOMING

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Climate Data

The State Climate Office offers several climate data products related to precipitation and temperature for Wyoming.

- [1971-2000 Climate Normals](#)
- Comparison of 1971-2000 and 1961-1990 Normals
 - [Precipitation](#)
 - [Maximum Temperature](#)
 - [Minimum Temperature](#)
 - [Mean Temperature](#)

Temperature Products

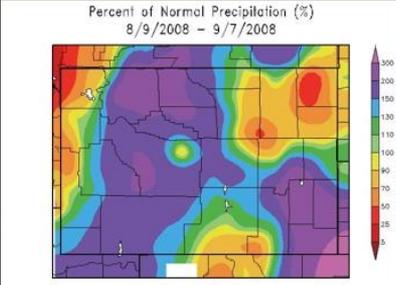
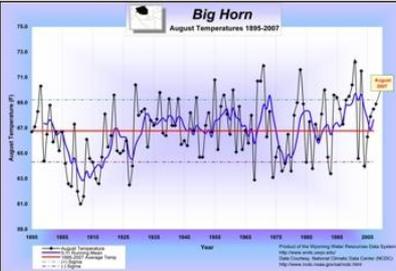
- [Climate Division Temperature Charts and Data](#)

Precipitation Products

- [Water Year Precipitation \(NWS COOP\) \(2003-2009\)](#)
- [Statewide Precipitation Departures from Normal](#)
- [Climate Division Precipitation Charts and Data](#)
- [USDA Crop Weather Report](#)

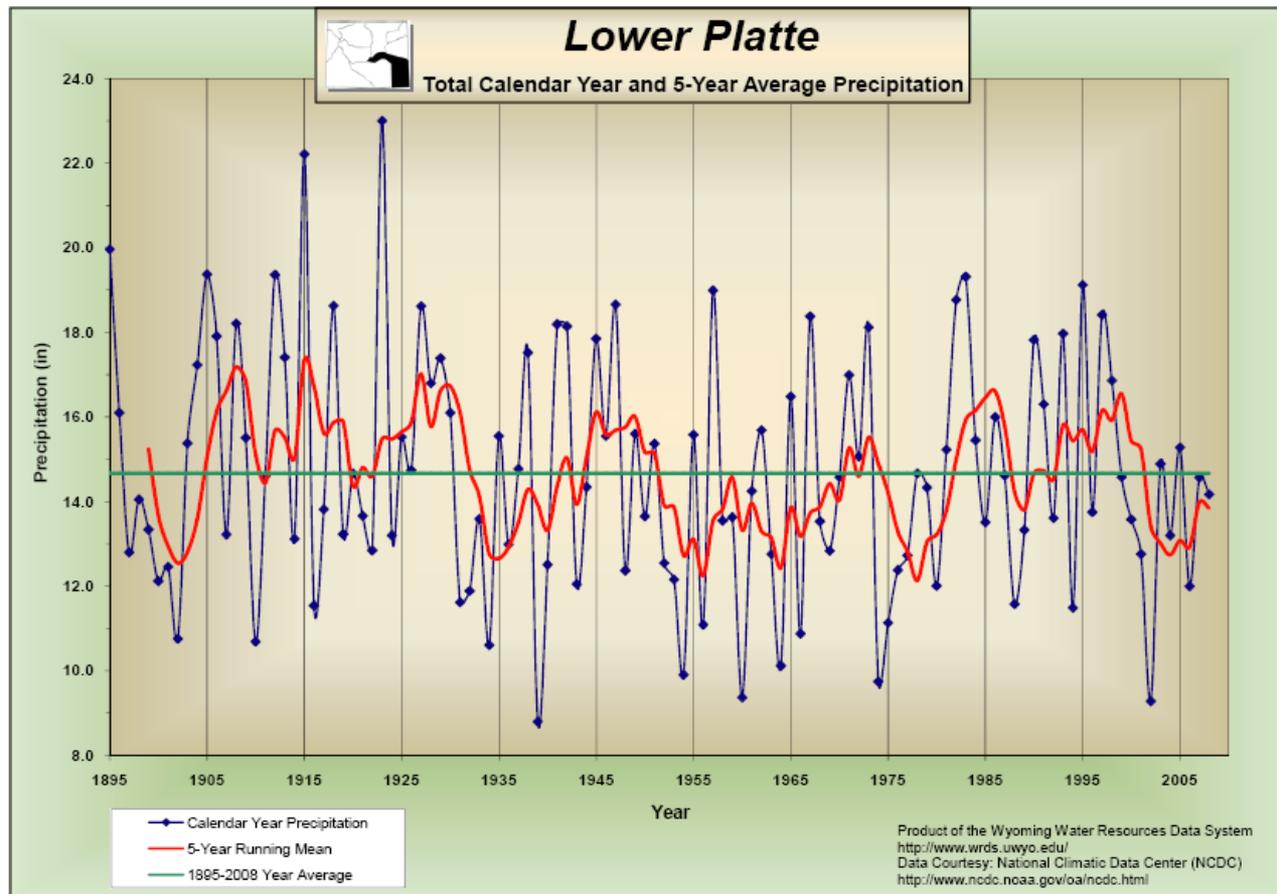
* [Water Resources Data System \(WRDS\)](#)

The Water Resources Data System is a clearinghouse of hydrological and climatological data for the State of Wyoming. Funded by the Wyoming Water Development Office, the System offers a wide range of products and services to its users.



Generated 9/9/2008 at WRFQC using provisional data. NOAA Regional Climate Center

Use WRDS to obtain recent and historical records from multiple sources



Wyoming Water and Climate Mapper

http://fims2.wrds.uwyo.edu/Website/Statewide/viewer.htm - Windows Internet Explorer

http://fims2.wrds.uwyo.edu/Website/Statewide/viewer.htm

File Edit View Favorites Tools Help

http://fims2.wrds.uwyo.edu/Website/Statewide/viewe...

Help Climate Surface Water Groundwater

Full State Last View Drag Map

Data Tools Avg PPT

Publications

Well Data Off Depth Actual Yield MWBZ Top

Layers:

- All Layers
- Roads
- Highways
- Counties
- Cities/Towns
- Irrigated Lands
- Irrigation Districts
- Bedrock Geology
- Land Ownership
- Wells
- SEO All
- Surface Water
- USGS Streamflow
- Climate Stations
- NRCS Snotel
- NWS Coop
- Hydrography
- Basin Boundaries
- Streams/Rivers
- Water Bodies
- 6th Level HUC
- 4th Level HUC
- Town-Range and Sections
- consumptive Use
- Precipitation Averages
 - Annual (1971-2000)
 - Jan (1971-2000)
 - Feb (1971-2000)
 - Mar (1971-2000)
 - Apr (1971-2000)
 - May (1971-2000)
 - Jun (1971-2000)
 - Jul (1971-2000)
 - Aug (1971-2000)
 - Sep (1971-2000)
 - Oct (1971-2000)
 - Nov (1971-2000)
 - Dec (1971-2000)
- County Aerial (2002 CIR)
- County Aerial (1994 B&W)
- County DRGs (Topo Maps)

Refresh Map

Auto Refresh

Key:

Closed data folder. Click to show contents.

Zoom In

Wyoming State Water Plan

Done

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Wyoming Water and Climate Mapper

http://fims2.wrds.uwyo.edu/Website/Statewide/viewer.htm - Windows Internet Explorer

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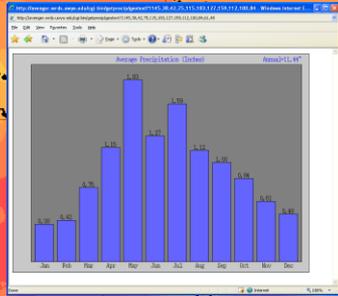
Closed data folder. Click to show contents.

Zoom In

Done

Wyoming State Water Plan

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Digital Conversion of Key Documents and Datasets

The image shows a screenshot of a web browser displaying two pages. The left page is the Wyoming State Water Plan website, and the right page is a draft report for the Wind-Bighorn River Basin Plan Update.

Wyoming State Water Plan Website:

- Citizen Government**
- News and Information**
 - Newsletter
 - Water Planning Process
 - Historical Planning Documents
 - Wyoming Water Facts
- River Basin Plans**
 - Statewide Framework
 - Bear River Basin
 - Green River Basin
 - NE River Basin
 - Platte River Basin
 - Powder/Tongue River
 - Snake/Salt River Basin
 - Wind/Bighorn River Basin
- Basin Advisory Groups**
 - Mission and Purpose
 - Calendar
 - Agendas
 - Meeting Records
 - Reference Material
- Planning Products**
 - GIS Web Mapping
 - Framework Water Plans
 - Platte Water Atlas
 - Water Search Engine
 - Send Us Your Comments
- Partners**
 - State Engineer's Office
 - Water Resources Data
- Contact Us**
- Water Plan Home**

Wind-Bighorn River Basin 2010 Plan - Draft Final Report - Windows Internet Explorer:

The browser window shows the URL: http://waterplan.state.wy.us/plan/bighorn/2010/finalrept/draft_finalrept.html

The page title is "Wind-Bighorn River Basin Plan Update".

The page content includes:

- Page number: 1 / 201
- Zoom: 64.5%
- Text: BAG/Public Review Draft (3/26/2010)
- Section: **Draft Report**
Wind-Bighorn Basin Plan Update
- Image: A circular photograph of a landscape with mountains and a field.
- Prepared For: Wyoming Water Development Commission
- Prepared By: MWH and SEH
- Logo: Wyoming
- Logo: Wyoming State
- Date: March 2010

Wyoming State Water Plan - Windows Internet Explorer

http://waterplan.state.wy.us/plan/statewide/tables/ir_acres.html

Wyoming State Water Plan

Citizen Government Business Visitor

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 ² (acres)		
	1973 Total	Total	Surface Water
Bear	59,000	64,000	
Green ³	332,000	342,300	334,500
Northeast Wyoming ³	161,000	77,600	59,600
Platte	553,000	613,000	220
Powder/Tongue ^{1,3}		161,400	161,180
Snake/Salt	94,000	99,000	
Wind/Bighorn ⁴	539,000	601,000	
Total	1,738,000	1,947,100	

Values in **RED** indicate basins updated since previous statewide plan.

- 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.
- Current irrigated acreage listed for primary source of supply. Idle lands identified in the Northeast Wyoming and Powder/Tongue basins are not included.
- Only Green, Northeast, and Powder/Tongue River Basin Plans distinguished between surface water and groundwater irrigated acreage.
- 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
Library

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://waterplan.state.wy.us>

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