

NWS Form E-5 U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE MONTHLY REPORT OF HYDROLOGIC CONDITIONS	HYDROLOGIC SERVICE AREA: Pocatello, Idaho
	REPORT FOR: MONTH: October YEAR: 2010
TO: Hydrologic Operations Division, W/OH2 National Weather Service National Oceanic and Atmospheric Administration Silver Spring, Maryland 20910	SIGNATURE Troy Lindquist Service Hydrologist
	DATE: November 12, 2010
When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts and hydrologic products issued (NWS Instruction 10-924).	

An X in this box indicates that no flooding has occurred for the month within this hydrologic service area.

Overview

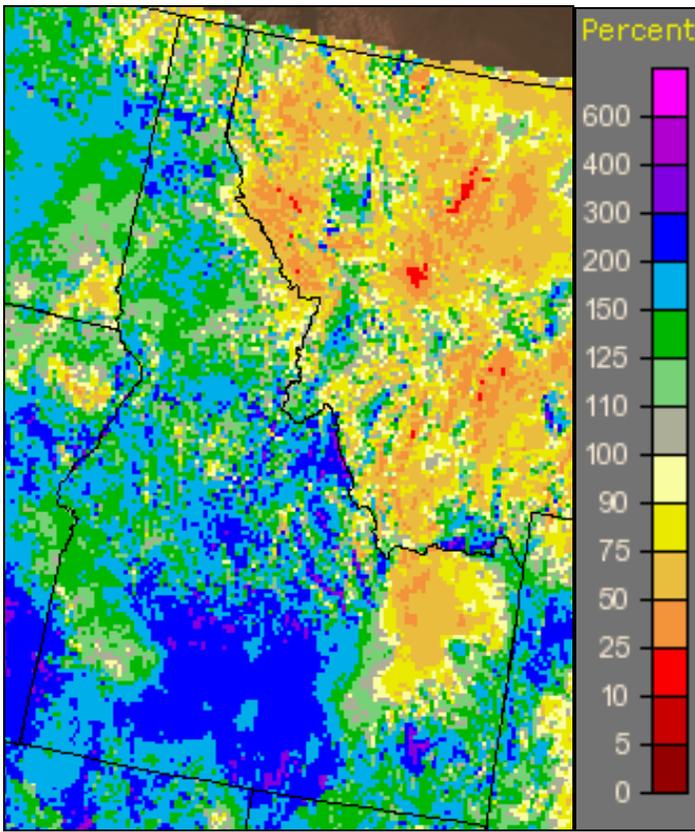
A strong upper level ridge dominated across Southeast Idaho in early October resulting in daytime high temperatures generally 6 to 12 degrees above normal through the 6th. A more active pattern developed the 7th through the 12th when low a pressure system moved across northern Utah and a few days later a cold front passed through the region. These systems brought scattered precipitation to the area with generally light amounts. Mostly dry conditions and seasonal temperatures dominated the 13th through the 22nd. The first strong cold trough of the season arrived on the 24th of the month. Abundant moisture accompanied this system resulting in widespread moderate to locally heavy rainfall and significant mountain snowfall. Snowfall amounts with this system ranged from 8 to 16 inches above 7,000 feet in the central mountains. Numerous stations received precipitation amounts of 1 to 2 inches in 48 hours with localized amounts near 3 inches. High pressure dominated for a few days behind this system followed by a fast moving upper level disturbance on the 30th and 31st which brought scattered light precipitation to the area.

Flooding

October 24th: Minor street flooding occurred in Pocatello during the evening. Observers in the area reported rainfall amounts of .46" to .81" for the day.

Other Hydrologic Interests

Precipitation



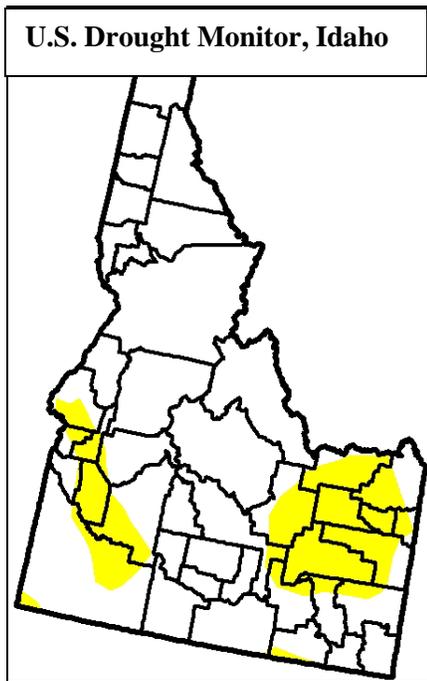
October 2010 Precipitation % of Normal

Above normal precipitation occurred at 36 out of 42 stations with climate data across eastern Idaho in October.

The Picabo COOP station set a new monthly total precipitation record of 2.51". The previous record was 2.09".

Daily Precipitation Records		
Station	New Record	Previous Record
Burley ASOS	Oct. 24 - 1.26"	.47" - 1996
Challis ASOS	Oct. 24 - .27"	.15" - 1970
Idaho Falls ASOS	Oct. 24 - .36"	.21" - 1954
Pocatello ASOS	Oct. 24 - .53"	.25" - 1954
Stanley ASOS	Oct. 24 - 1.41"	.50" - 1970

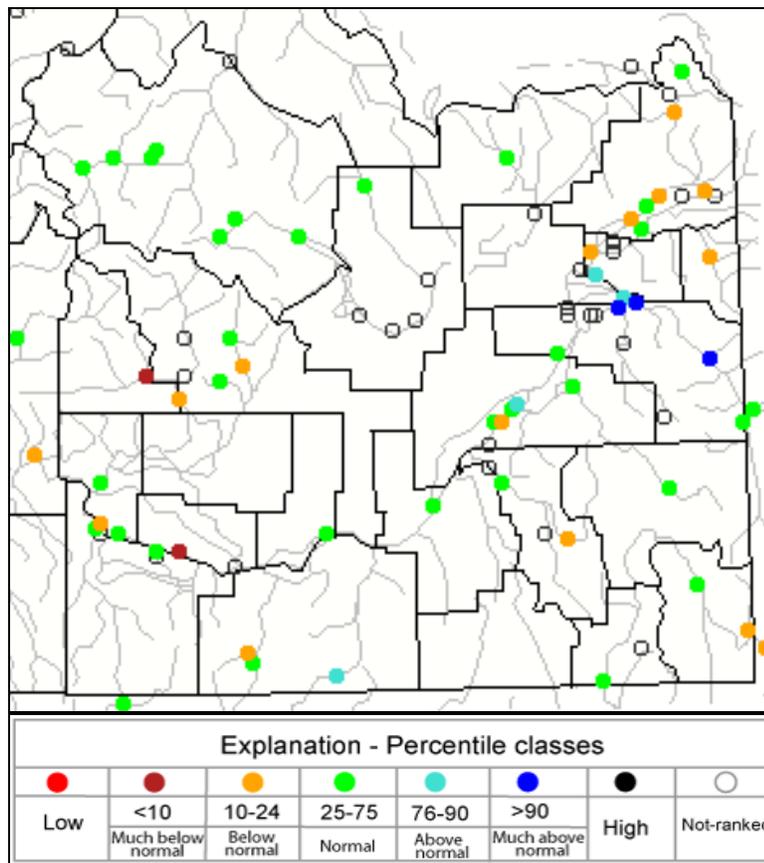
Drought



October 26, 2010

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

Streamflow



Monthly streamflow compared to historical streamflow for October, 2010.

October, 2010 Hydrologic Product Summary

Product	Number Issued
Flood Watch for Flash Flooding	0
Flash Flood Warning	0
Flash Flood Statement	0
Urban and Small Stream Flood Advisory	0
Flood Watch for Flooding	0
Flood Warning	0
Flood Statement	0
Flood Advisory	1
Hydrologic Statement	0
Hydrologic Outlook	0
Water Supply Outlook	0

cc: Dave Streubel, Western Region HCSD
 Harold Opitz, Hydrologist in Charge, Northwest River Forecast Center
 Hydrometeorological Information Center
 Rick Dittmann, Meteorologist in Charge, Pocatello, Idaho
 Jay Breidenbach, Senior Service Hydrologist, Boise, Idaho
 Pocatello WFO Forecasters and HMTs