

NWS Form E-5 U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS	HYDROLOGIC SERVICE AREA: Pocatello, Idaho
	REPORT FOR: MONTH: May 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: June 14, 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.

Summary

Another month of below normal temperatures occurred across the HSA while a number of weather systems contributed significant precipitation. The cool weather combined with substantial precipitation was very beneficial regarding water supply for eastern Idaho. Regulated flows from Palisades Reservoir were increased greatly mid month to make room for inflows from spring runoff resulting in the highest flows of the season on the Snake River. Spring convective showers and thunderstorms resulted in locally heavy rainfall on a few occasions. On May 18 in Blackfoot heavy rainfall resulted in minor flooding of some streets and parking lots.

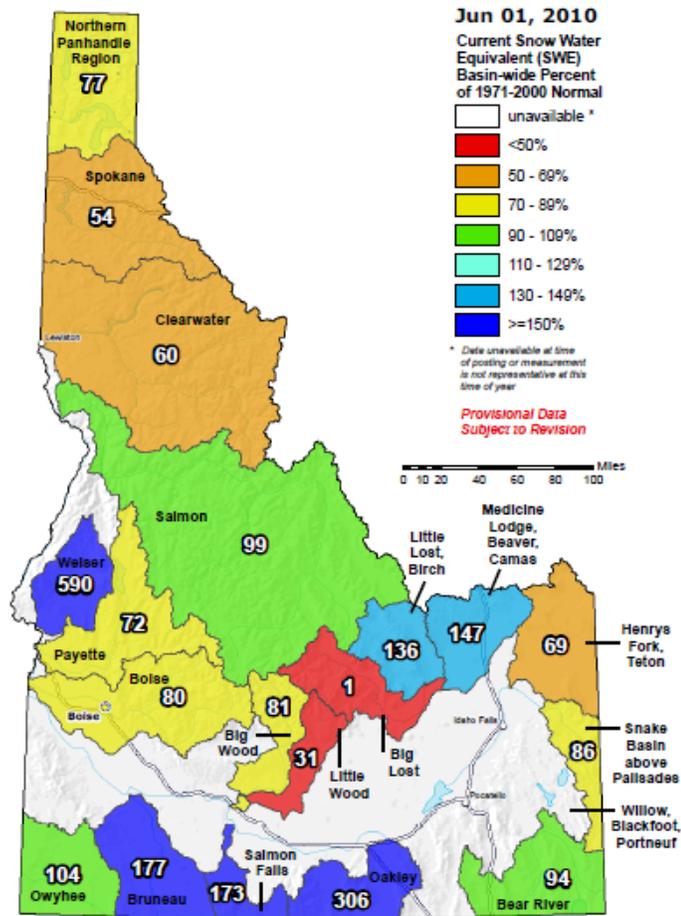
Other Hydrologic Interests

Precipitation

Above normal precipitation occurred at 22 of 45 COOP and ASOS stations with climate data that reported. The majority of SNOTEL sites received above normal precipitation for the month and a few high elevation sites continued to accumulate snowpack.

Station	May 2010 Precipitation Records
Malta COOP	Monthly precip of 6.71” broke old record of 4.17 set in 1980
Burley ASOS	1.39” precip on the 11 th broke old record of 1.10” set in 2005

Snowpack Conditions



Reservoirs

The Bureau of Reclamation (BOR) Upper Snake River Basin Reservoir System was at 85% of capacity the end of May 2010, down 9% from the beginning of the month. At the end of May, 2009 the reservoir system was at 79% of capacity.

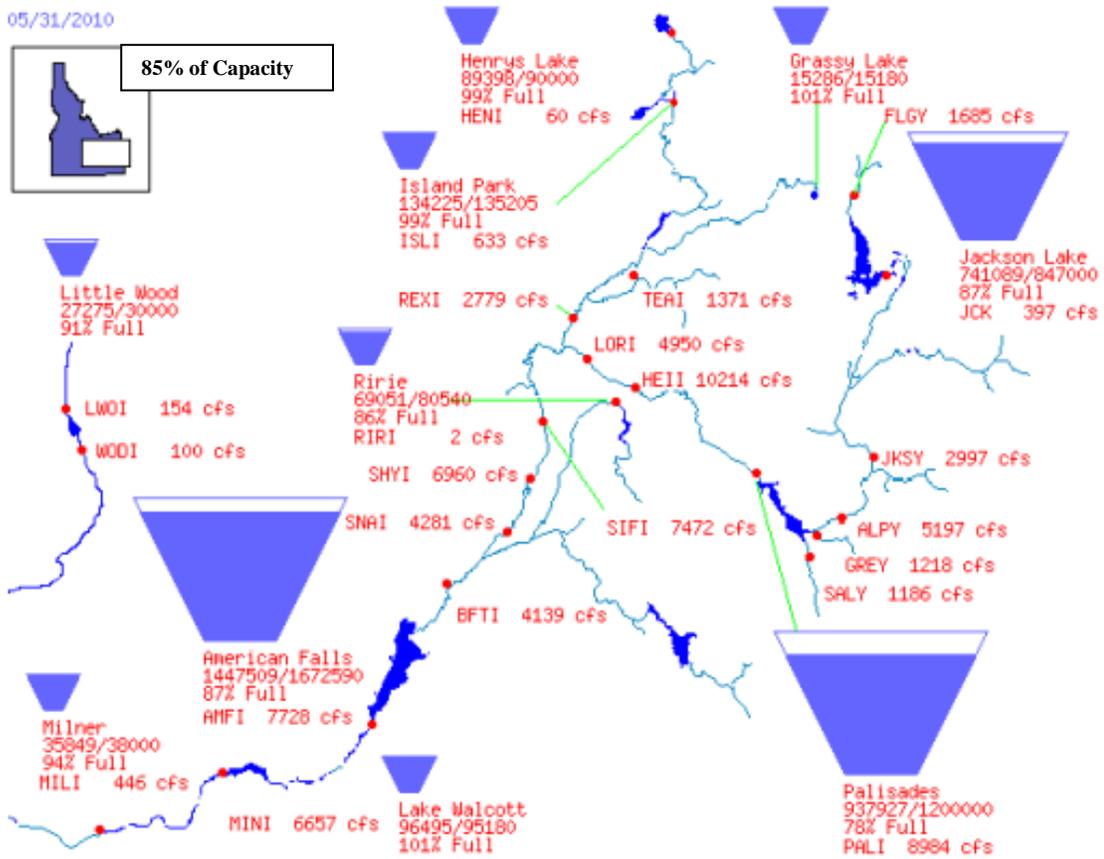
Reservoir	% Capacity April 30 ³	% Capacity May 31 ⁴	Percent Change	% of Average ⁴	% of Last Year ⁴
American Falls	99	87	-12	98	90
Bear Lake	42	43	1	59	119
Blackfoot	66	71	5	86	143
Henry's Lake	99	99	0	100	99
Island Park	98	99	1	101	107
Little Wood	98	91	-7	100	92
Mackay	99	98	-1	124	114
Magic	70	68	-2	85	121
Oakley	40	42	2	71	99
Palisades	99	78	-21	109	119
Ririe	70	86	16	98	86
Lake Walcott	96 ¹	101 ²	5	n/a	n/a
Milner	88 ¹	94 ²	6	n/a	n/a

Source: (1) US Bureau of Reclamation (BOR) April 29, 2010; (2) BOR May 31, 2010; (3) NRCS April 30, 2010; (4) NRCS May 31, 2010.

05/31/2010

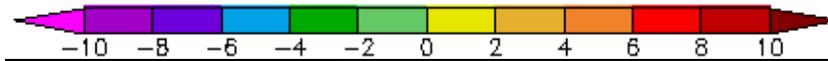


85% of Capacity



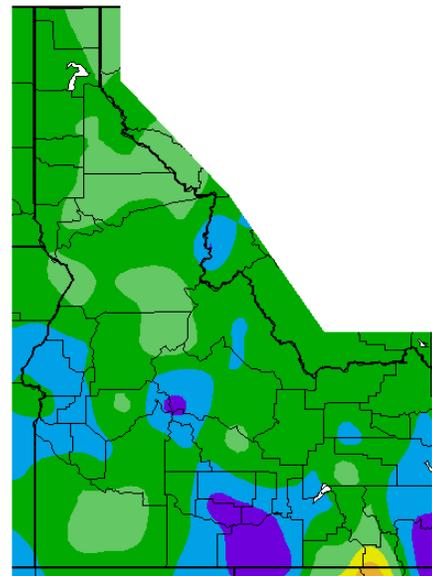
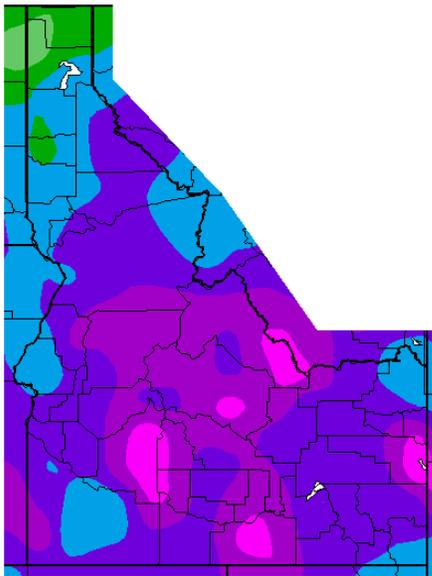
Temperature

Cooler than normal conditions dominated across the HSA in May. The Pocatello Airport average temperature for May was the coldest on record.



Av. Max. Temperature dep from Ave (deg F)
5/1/2010 - 5/30/2010

Av. Min. Temperature dep from Ave (deg. F)
5/1/2010 - 5/30/2010



Drought

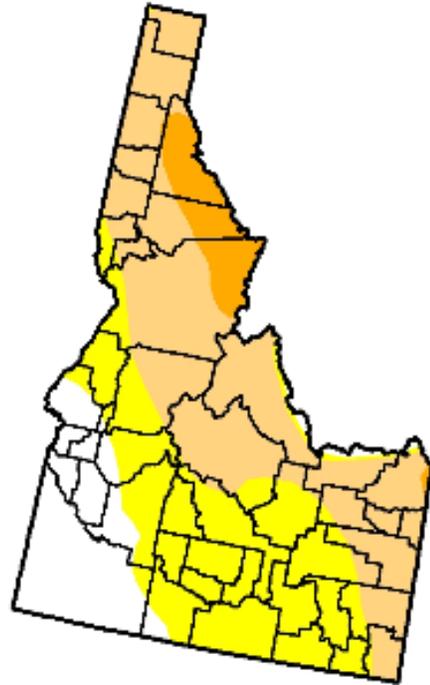
Moderate drought continued over a portion of the HSA through the month due to below normal snowpack.

- Intensity:*
- D0 Abnormally Dry
 - D1 Drought - Moderate
 - D2 Drought - Severe
 - D3 Drought - Extreme
 - D4 Drought - Exceptional
- Drought Impact Types:*
- Delineates dominant impacts
 - A = Agricultural (crops, pastures, grasslands)
 - H = Hydrological (water)

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

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

Author: .



May 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	1
Flood Watch for Flooding	0
Flood Warning	0
Flood Statement	0
Flood Advisory	0
Hydrologic Statement	3
Hydrologic Outlook	0
Water Supply Outlook	1

cc: Jeff Zimmerman, 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