

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: February 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: March 8, 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).	

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

Summary

February 2010 was quite dry across the Pocatello Hydrologic Service Area. Pacific storm systems routinely split as they approached the area resulting in relatively minor precipitation events across eastern Idaho. Monthly precipitation across river basins ranged from about 30% to 60% of average with basins over the south portion of the HSA generally receiving the greatest amounts. Due to the lack of February precipitation the mountain snowpack continued to lag well below normal across eastern Idaho for the current water year.

Other Hydrologic Interests

Precipitation

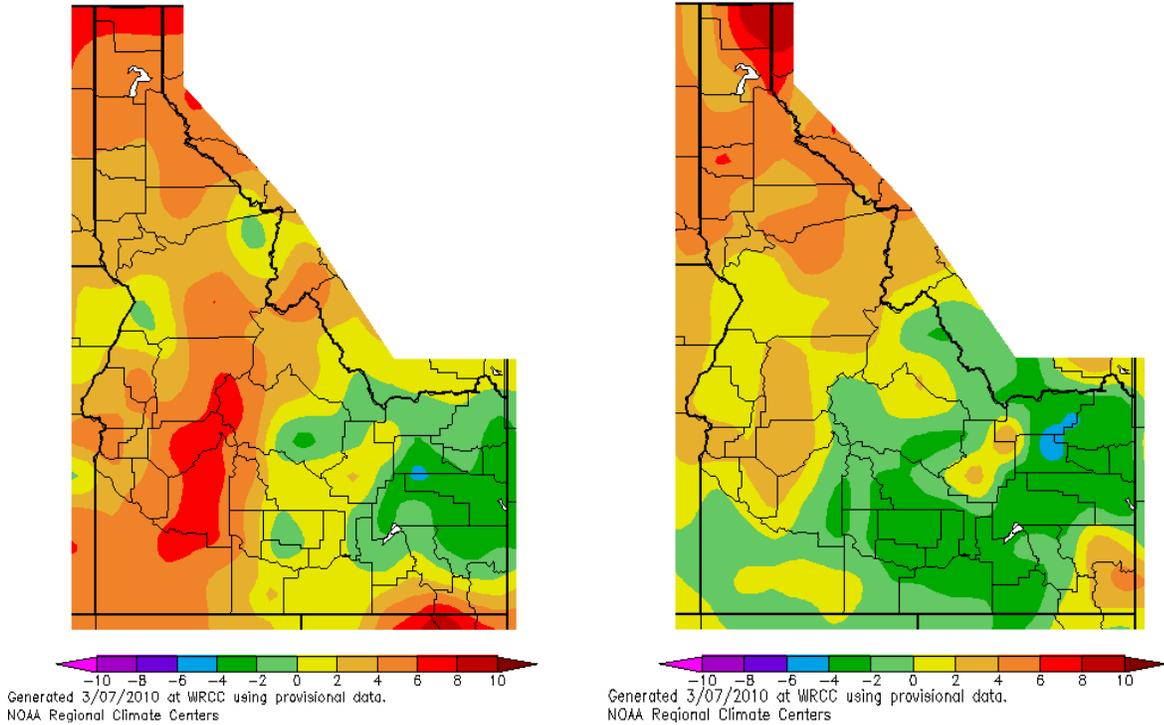
February precipitation was 48% of normal for the 40 lower elevation stations that reported monthly precipitation totals. Only one station reported greater than 100% of normal while 16 stations reported less than 40% of normal. The Howe and Chilly Barton Flats COOP stations received no measurable precipitation in February. A daily precipitation record was set at the Stanley ASOS on the 29th when .29" of precipitation fell, breaking the old record of .28" set in 1995. The zero monthly total at Howe tied the monthly low record, and the monthly total .19" at Idaho Falls 16SE established a new monthly low record which was previously .22".

Temperature

Temperatures were generally normal or a little below normal for February.

Av. Min. Temperature dep from Ave (deg. F)
2/5/2010 – 3/6/2010

Av. Max. Temperature dep from Ave (deg F)
2/5/2010 – 3/6/2010



Reservoirs

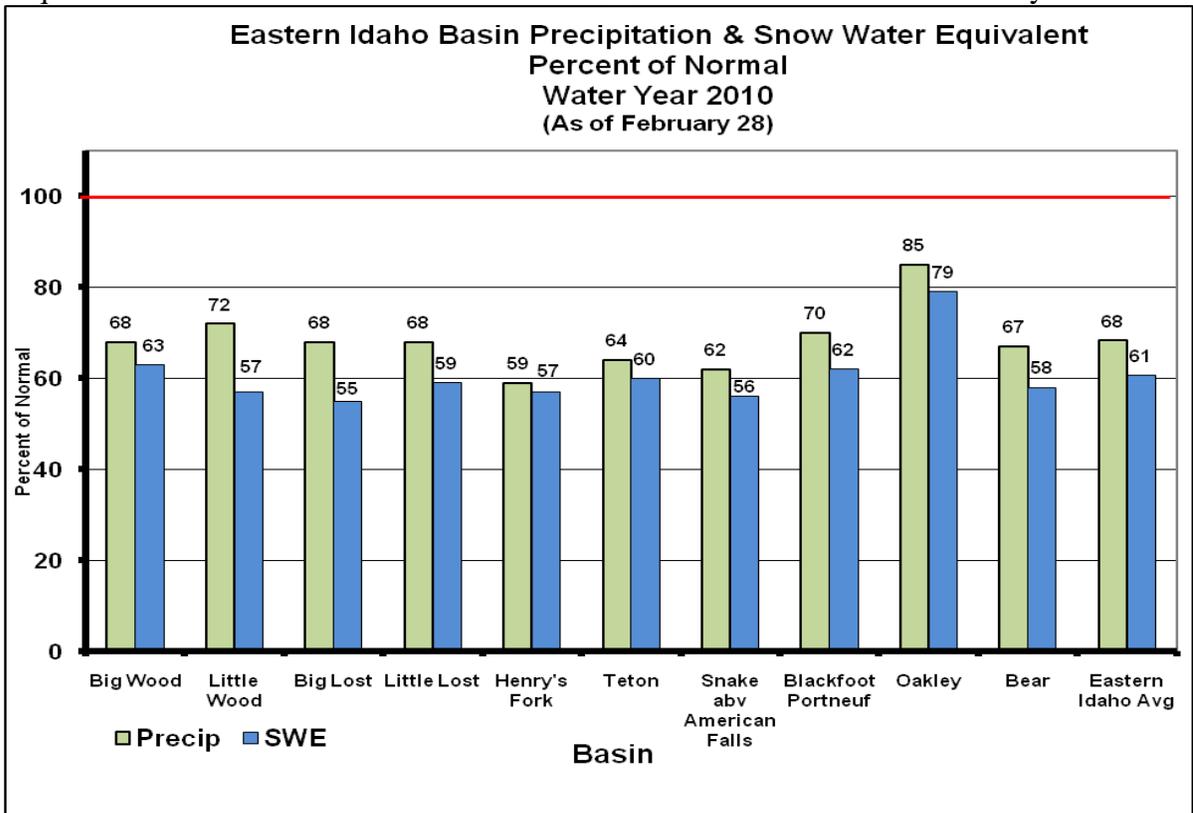
The Upper Snake River Basin reservoir system was at 82% of capacity February 28, up 5% from February 1, 2010. Last year at end of February the reservoir system was near 78% of capacity.

Reservoir	% Capacity January 31 ³	% Capacity February 28 ⁴	Percent Change	% of Average ⁴	% of Last Year ⁴
American Falls	82	90	8	119	107
Bear Lake	38	39	1	61	144
Blackfoot	57	58	1	90	209
Henry's Lake	95	95	0	102	99
Island Park	83	84	1	106	98
Little Wood	72	81	9	137	182
Mackay	79	87	8	126	146
Magic	41	43	2	92	277
Oakley	32	34	2	82	125
Palisades	80	84	4	114	117
Ririe	50	52	2	110	101
Lake Walcott	42 ¹	46 ²	4	n/a	n/a
Milner	92 ¹	90 ²	-2	n/a	n/a

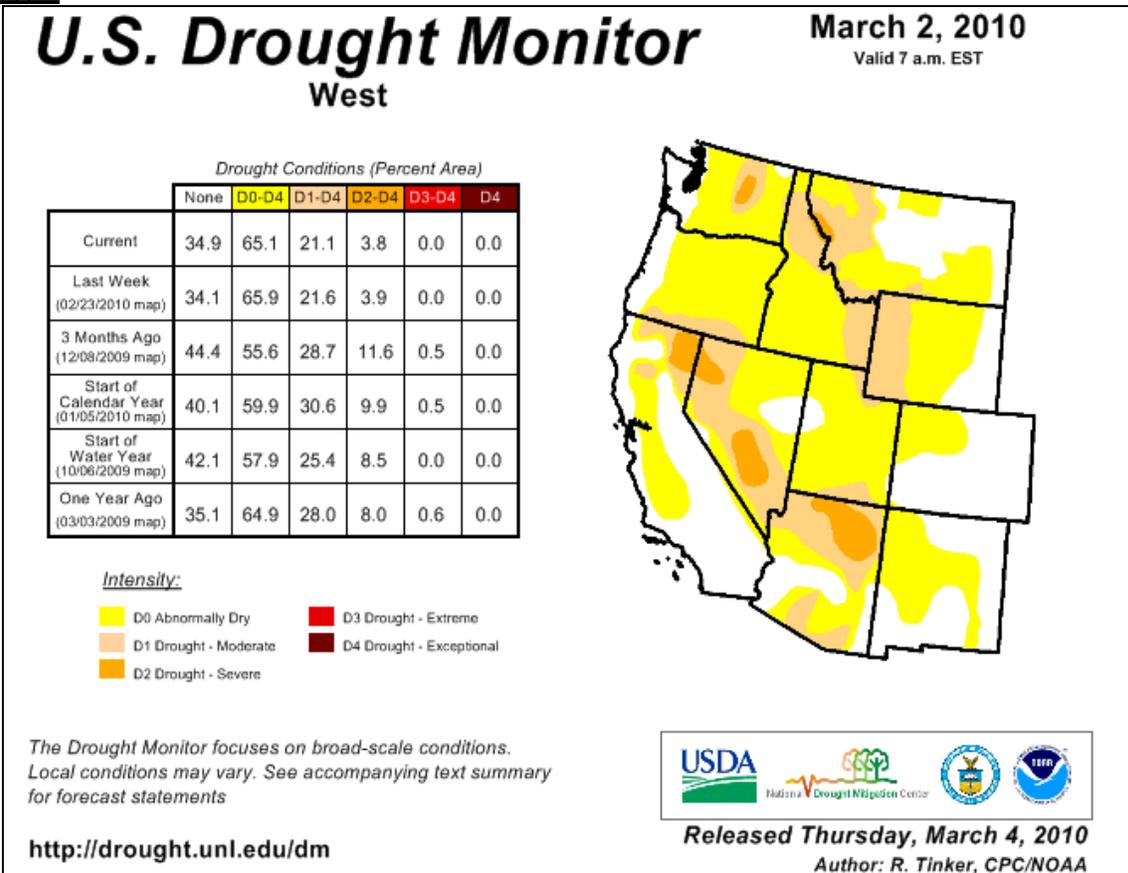
Source: (1) US Bureau of Reclamation (BOR) January 31, 2010; (2) BOR February 28, 2010; (3) NRCS January 31, 2010; (4) NRCS February 28, 2010.

Snowpack Conditions

Winter snowpack continued to lag across the HSA. For the current Water Year to date the snow water equivalent across the HSA as a whole was at 61% of normal the end of February.



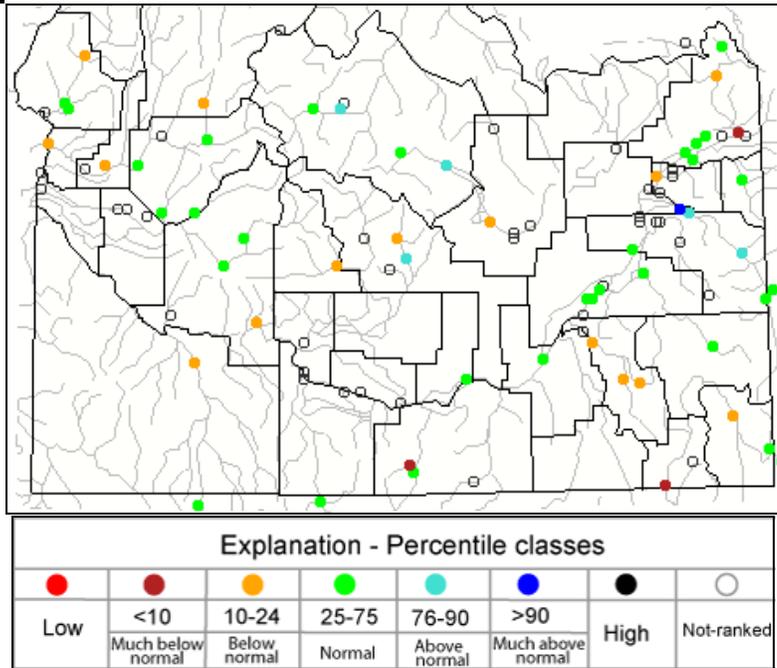
Drought



Moderate drought continued over the eastern portion of the HSA due to well below normal winter snowpack.

River/Stream Conditions

February streamflow compared to historical streamflow.

Ice caused some stream gages to show erratic and unreliable data from time to time.

February 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	0
Hydrologic Statement	0
Hydrologic Outlook	0
Water Supply Outlook (Issued by WFO BOI, covering all of Idaho)	1

cc: Daniel Matusiewicz, Western Region WFO Hydrology Program Manager
 Harold Opitz, Hydrologist in Charge, Northwest River Forecast Center
 Hydrometeorological Information Center
 Rick Dittman, Meteorologist in Charge, Pocatello, Idaho
 Jay Breidenbach, Service Hydrologist, Boise, Idaho
 Pocatello WFO Forecasters and HMTs