

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: February YEAR: 2011
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 15, 2011	
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

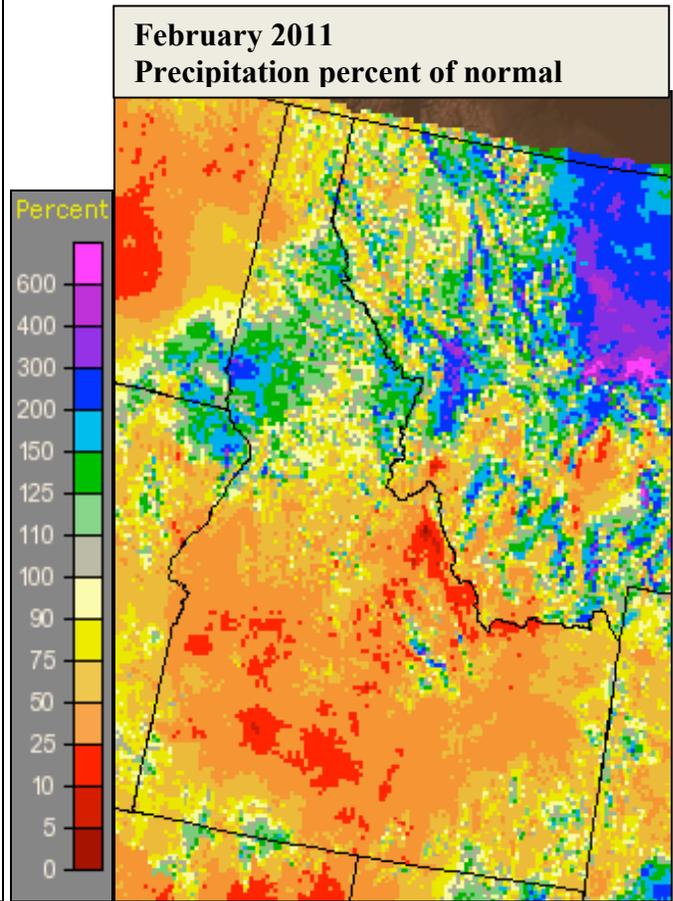
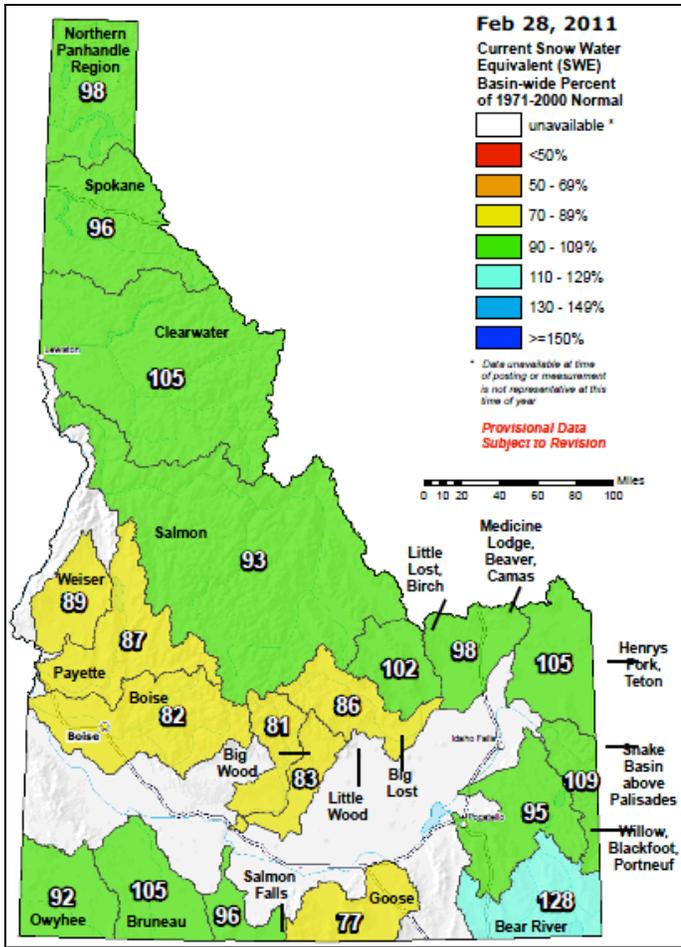
Below normal precipitation prevailed across the Hydrologic Service Area (HSA) the first two weeks of February. A shift in the weather pattern allowed a number of storm systems to impact the HSA the second half of the month. Although snowpack water equivalent decreased about 5 to 10 percentage points through February, basins in the Snake River headwaters area were about 105 to 110 percent of normal. The Bear River Basin continued to carry the highest amount of snow water equivalent across eastern Idaho at 128% of normal. The lowest amounts were across the Big Wood and Little Wood Basins, Big Lost Basin, and Goose Creek Basin where snow water equivalents ranged from 77 to 86 percent of normal.

Forty-five National Weather Service COOP and automated stations with climate data reported monthly precipitation for February. Only 9 stations received above normal precipitation and sixteen stations received less than 50% of normal.

Flooding

February 9: Minor flooding occurred when water over flowed the banks of Willow Creek in Bonneville County. Water was released from Ririe Reservoir to meet space requirements and snow and ice caused the water to back-up in the channel and overflow the banks. The water impacted a grain field, a garage and part of a county road. Irrigation managers called the damage minimal.

Precipitation



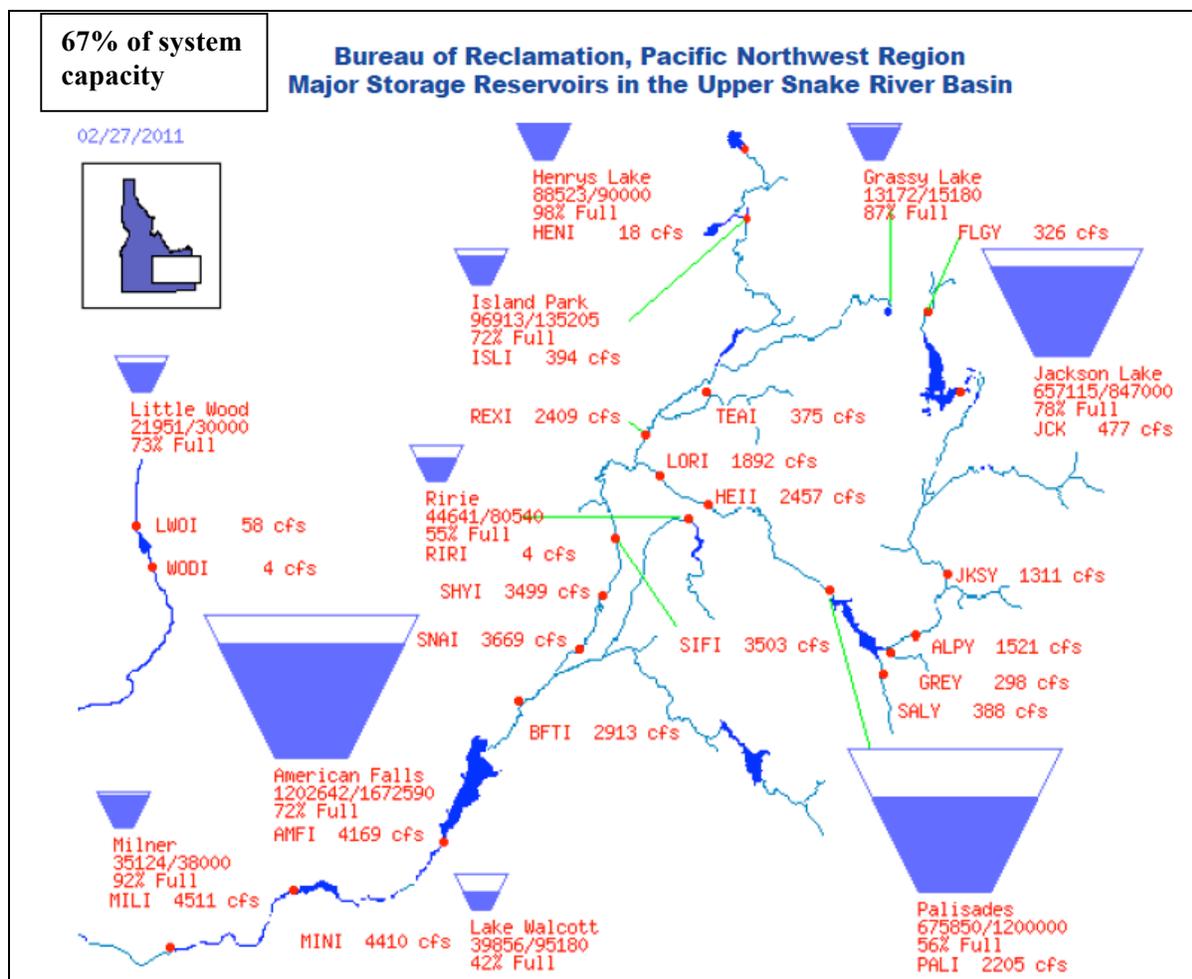
Monthly Precipitation Records		
Station	New or Tied Record	Previous Record
Howe	0.00" (low)	0.00" - 1965

Reservoirs

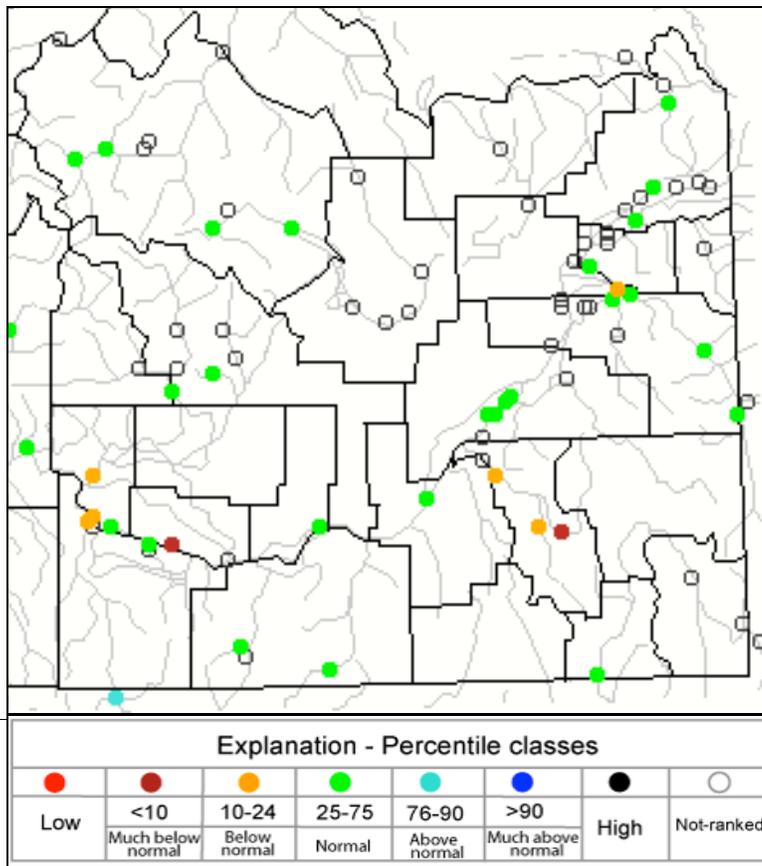
Reservoir	% Capacity Jan. 31 ¹	% Capacity Feb. 28 ²	Percent Change	% of Average ²	% of Last Year ²
American Falls	69	72	3	95	80
Bear Lake	37	38	1	60	99
Blackfoot	59	61	2	95	105
Henry's Lake	96	98	2	105	103
Island Park	70	72	2	91	86
Little Wood	65	74	9	125	91
Mackay	80	84	4	122	97
Magic	45	47	2	101	110
Oakley	26	29	3	69	83
Palisades	62	63	1	85	75
Ririe	54	56	2	116	106
Lake Walcott	41 ³	42 ⁴	1	n/a	n/a
Milner	90 ³	92 ⁴	2	n/a	n/a

Source: (1) NRCS Jan. 31, 2011; (2) NRCS Feb. 28, 2011.

(3) US Bureau of Reclamation (BOR) Jan. 31, 2011 (4) BOR Feb. 27, 2011



Streamflow



Monthly streamflow compared to historical streamflow for February, 2011.



February, 2011 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 (State – ESFBOI)	1

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