

NWS Form E-5 U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE <b>MONTHLY REPORT OF          RIVER AND FLOOD CONDITIONS</b>	<b>HYDROLOGIC SERVICE AREA:</b> <b>Pocatello, Idaho</b>
	<b>REPORT FOR:</b> <b>MONTH: August YEAR: 2009</b>
<b>TO:</b> Hydrologic Operations Division, W/OH2 National Weather Service National Oceanic and Atmospheric Administration Silver Spring, Maryland 20910	<b>SIGNATURE</b>  Troy Lindquist Service Hydrologist
	<b>DATE: September 9, 2009</b>
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).	

	<b>An X in this box indicates that no flooding has occurred for the month within this hydrologic service area.</b>
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August 2009 was rather typical for late summer with warm and dry conditions dominating under high pressure giving way to a few short periods of cooler temperatures and scattered precipitation. Moisture surged into the area on August 6<sup>th</sup> ahead of a strong cold front. This brought scattered precipitation to the HSA the 6<sup>th</sup> through the 8<sup>th</sup> with rainfall amounts generally .10" to .50". The most significant precipitation event for the month occurred on the 23<sup>rd</sup> and 24<sup>th</sup> as another cold front moved across the area. This brought widespread rainfall amounts of .25" to .50" to the HSA with localized amounts from 1.00" to 2.00", especially across the eastern mountains in the Island Park area. Another precipitation event occurred on the 30<sup>th</sup> with widespread rainfall amounts of .25" to .50" over the Central Mountains and Upper Snake Highlands and localized amounts around .75". Precipitation was generally .10" or less across the Snake Plain and southern mountains on the 30<sup>th</sup>.

On August 24<sup>th</sup> rainfall caused rural flooding in the Holbrook area in Oneida County. Water washed out of three normally dry gullies and flowed across a road. Water flowed across the road in three locations and was up to 14 inches deep. No reports of injuries or damage were received.

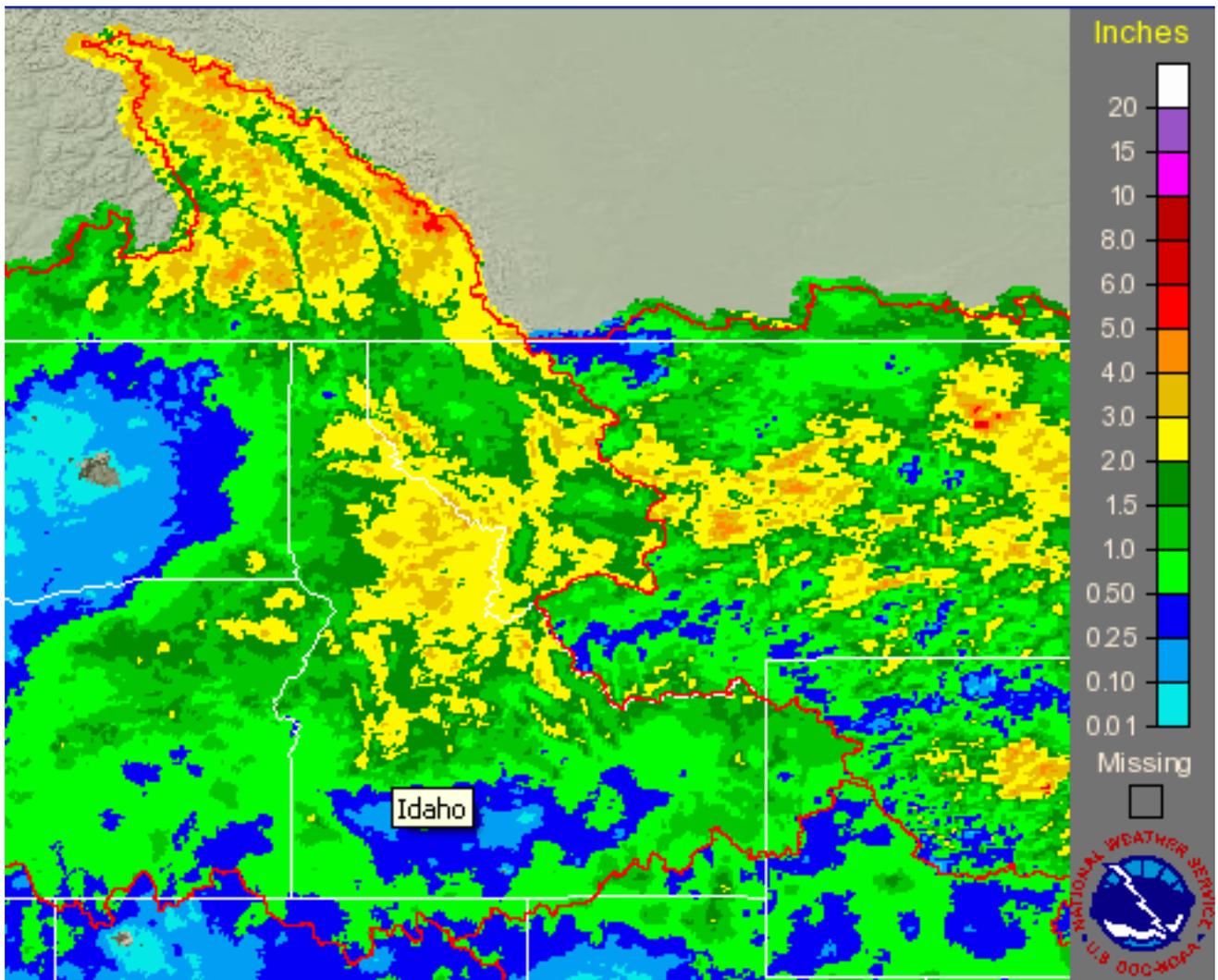
### **Other Hydrologic Interests**

#### **Precipitation**

Rainfall in August was near normal for the Pocatello HSA. The entire HSA was 102% of normal for 41 of 47 reporting stations with climate data, according to the Western Region Climate Center. Fifteen of the stations reported above normal precipitation and 6 records were established. The Stanley ASOS recorded 1.56" for the month, which was 269% of normal. The COOP Station in Richfield was 24% of normal with .09" of rainfall.

<b>Station</b>	<b>Record</b>
Burley ASOS	.63" on August 23 broke the old record of .36" set in 1949
Challis ASOS	.21" on August 6 broke the old record of .19" set in 1978
Idaho Falls ASOS	.35" on August 23 broke the old record of .30" set in 1949
Stanley ASOS	.42" on August 6 broke the old record of .10" set in 1991
Stanley ASOS	.23" on August 29 broke the old record of .05" set in 1976
Stanley ASOS	.43" on August 30 broke the old record of .24" set in 1970

**August, 2009 Precipitation Records**



August, 2009 Observed Precipitation. From NWRFC.

### Reservoirs

The Upper Snake River Basin reservoir system was at 66% of capacity September 1, down 18% from July 30, 2009.

Reservoir	% Capacity July 31 <sup>3</sup>	% Capacity August 31 <sup>4</sup>	Percent Change	% of Average <sup>4</sup>	% of Last Year <sup>4</sup>
American Falls	73	49	-24	122	237
Bear Lake	No report	40	n/a	57	144
Blackfoot	No report	54	n/a	89	227
Henry's Lake	95	93	-2	108	101
Island Park	80	67	-13	124	114
Little Wood	76	48	-28	164	841
Mackay	75	52	-23	229	424
Magic	68	48	-20	109	911
Oakley	40	29	-11	88	144
Palisades	89	75	-14	103	116
Ririe	96	94	-2	131	113
Lake Walcott	99 <sup>1</sup>	101 <sup>2</sup>	2	n/a	n/a
Milner	99 <sup>1</sup>	98 <sup>2</sup>	-1	n/a	n/a

Source: (1) US Bureau of Reclamation (BOR) July 30, 2009; (2) BOR September 1, 2009; (3) NRCS July 31, 2009; (4) NRCS August 31, 2009.

## August 2009 Hydrologic Product Summary

<b>Product</b>	<b>Number Issued</b>
Flood Watch for Flash Flooding	2
Flash Flood Warning	2
Flash Flood Statement	3
Urban and Small Stream Flood Advisory	2
Flood Watch for Flooding	0
Flood Warning (River Forecast Point)	0
Flood Statement (River Flooding)	0
Flood Advisory	0
Hydrologic Statement (River Statement)	0

cc: Daniel Matusiewicz, Western Region WFO Hydrology Program Manager  
Harold Opitz, Hydrologist in Charge, Northwest River Forecast Center  
Hydrometeorological Information Center  
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Pocatello WFO Forecasters and HMTs