

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: June YEAR: 2009
TO: Hydrologic Operations Division, W/OH2 National Weather Service National Oceanic and Atmospheric Administration Silver Spring, Maryland 20910	SIGNATURE Troy Lindquist Service Hydrologist
	DATE: July 14, 2009
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.
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June 2009 was an abnormal month for eastern Idaho with cool and wet conditions dominating and a number of precipitation records established. A persistent trough along the west coast and high pressure over the central and southern Rockies sent surges of moisture across eastern Idaho resulting in several days of widespread rain showers and thunderstorms. Some of the thunderstorms produced heavy rain resulting in flash flooding. The showers and thunderstorms also caused a number of mudslides on the Castle Rock Burn Area just west of Ketchum. Snowmelt runoff combined with the abundant rainfall filled the Upper Snake Basin reservoir system to capacity and sent the Henrys Fork near Rexburg to flood stage along with portions of the Snake River from Blackfoot to Shelly.

On the Henrys Fork near Rexburg (REXI1) flood stage was reached on the 23rd and 24th with water inundating Beaver Dick Park and some low lands adjacent to the river south of St. Anthony to the Rexburg area. The river crested at 9.7 feet on the 23rd which is a little above the flood stage of 9.5 feet.

Along the Snake River near Roberts water approached some homes located near an old river channel and caused the residences to place sandbags near their homes and operate pumps. A public river access area near Roberts flooded.

On the Snake River near Shelley (SHYI1) flood stage was reached on the 24th with flooding of some lowland in the Firth area near Highline Road. A road leading to some homes near the river was flooded and one home was surrounded by water but remained dry. The river crested at 12.1 feet on the 24th which is just above the flood stage of 12.0 feet.

The Snake River at Blackfoot (SNAI1) reached flood stage on June 20th and remained above flood stage through the end of the month. The river crested at 11.1 feet on the 25th and 26th which is just above the moderate flood stage of 11.0 feet. Water inundated a city park near the main exit off the Interstate. Some BLM owned land and farmland west of town in the Thomas area flooded. Flood damage was mainly to crops and generally considered minor.

Several mudslides occurred on the 2007 Castle Rock Burn Area near Ketchum. About a half dozen slides were triggered on June 1st with additional slides occurring on the 5th, 13th, 14th, and 17th. Mud and debris flowed across Warm Springs Road in places completely blocking the road. Temporary road closures and access restrictions were put in place due to the slides. One Board Ranch resident had mud flow across his yard and into the crawl space of his home. Many of the mudslides contained large pieces of timber and rocks.

A number of Flash Floods occurred in the Pocatello HSA during the month of June 2009.

One of the more notable flash floods occurred on June 26th in the southern portion of Pocatello. Persistent heavy rainfall over the southern portion of town and adjacent mountains caused flooding of streets, a golf course, and one of the Interstate 15 interchanges. Garages, basements, and crawl spaces of several residences were flooded. The parking lot of an assisted living residence was flooded with the water level up to the hood

of some cars. Small rocks and mud were deposited on many residential streets and landscaping was destroyed in some areas.

Other flash flood events occurred on:

June 1st in Oneida County near Holbrook: Water was flowing across a county road. Flooding also occurred in the Weston area.

June 15th in Oneida County near Holbrook: Water was running across Arbon Valley Highway in multiple locations.

June 17th in Oneida and Power Counties in Arbon Valley: Damage to a bridge on private property occurred, sections of fence were damaged, and water was 3 to 5 feet deep in places.

June 18th in Bannock County in the Swan Lake area: Water was rushing down the canyon. Basements of some homes were flooded, and one basement was completely full of water.

Minor small stream, and urban flooding occurred in a number of locations on:

June 14th in Jefferson County: Street flooding in Rigby.

June 15th in Bannock County in Pocatello: Water entered some residences in the Hidden Valley subdivision.

June 17th in Fremont County: Water flooded streets and some flooding occurred in the courthouse.

June 18th in Bonneville County in Idaho Falls: The parking lot of the Grand Teton Mall was flooded stranding some motorists.

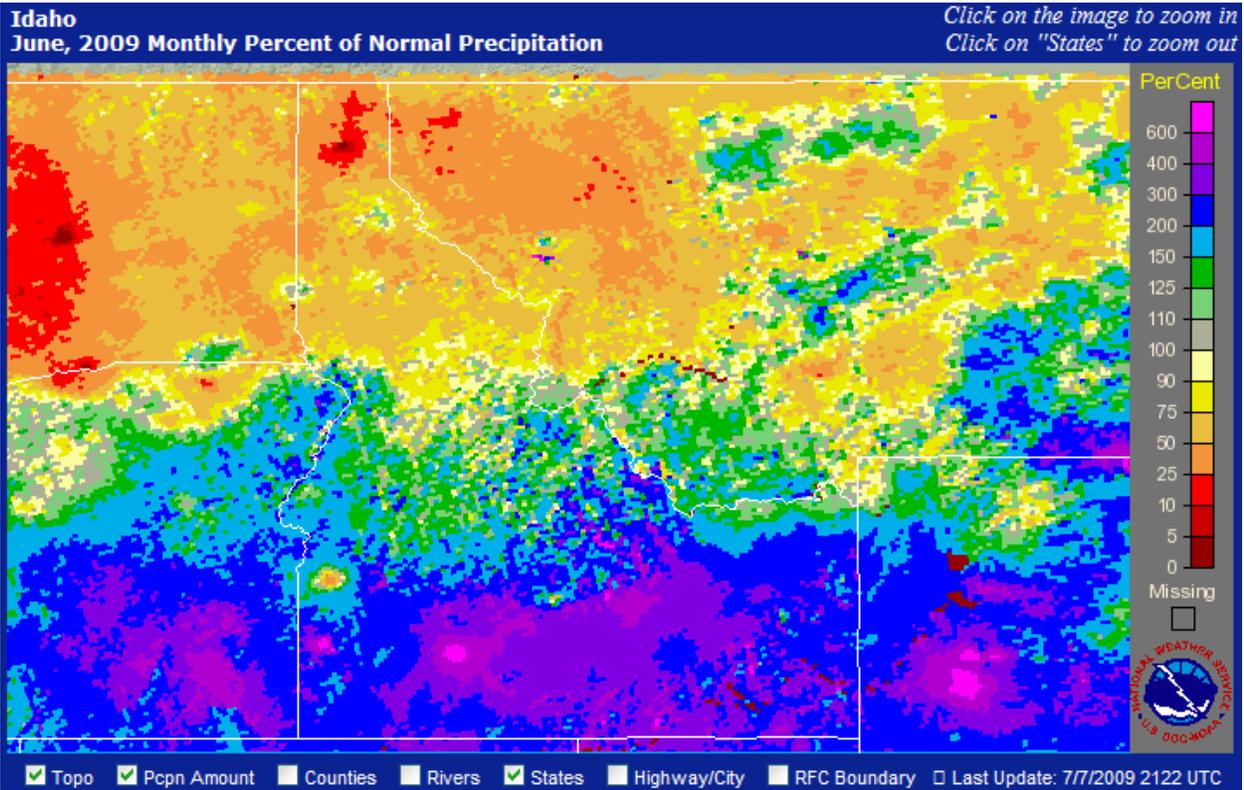
June 21st in Bingham County: Street flooding occurred on the east side of Blackfoot.

June 22nd in Custer County: Local flooding along the Pahsimeroi River near Highway 93 and the town of Ellis.

Other Hydrologic Interests

Precipitation

June precipitation amounts for the 39 stations with climate data ranged from 2.40” at the Challis Airport to 6.63” at Craters of the Moon National Monument. Percent of normal ranged from 198% at Malad Airport to 573% at the Blackfoot Fire Department. Twenty-eight of the 39 stations with climate data received a whopping 300% or greater of normal precipitation for the month. Burley set daily precipitation records of .52”, .65”, .52”, and .32” on the 1st, 6th, 20th, and 21st. Burley also set a monthly total record of 3.07” which broke the old record of 2.85” from 1995. Challis set a daily rainfall record of .39” on the 17th, beating the old record of .19”. Idaho Falls set a daily record on the 26th with .59” and tied the monthly total record of 3.97” from 1968. At the Pocatello Airport, daily precipitation records occurred on the 7th and the 17th with .65” and .64”. A new monthly total record of 3.99” occurred at the Pocatello airport as well. The Stanley ASOS established daily records on the 5th with .62” and on the 21st with .40”.



June 2009 Monthly Percent of Normal Precipitation

Agriculture

The cool and wet weather during June reduced and delayed irrigation demand across eastern Idaho and made it difficult for some farmers and ranchers to cut and process hay.

Reservoirs

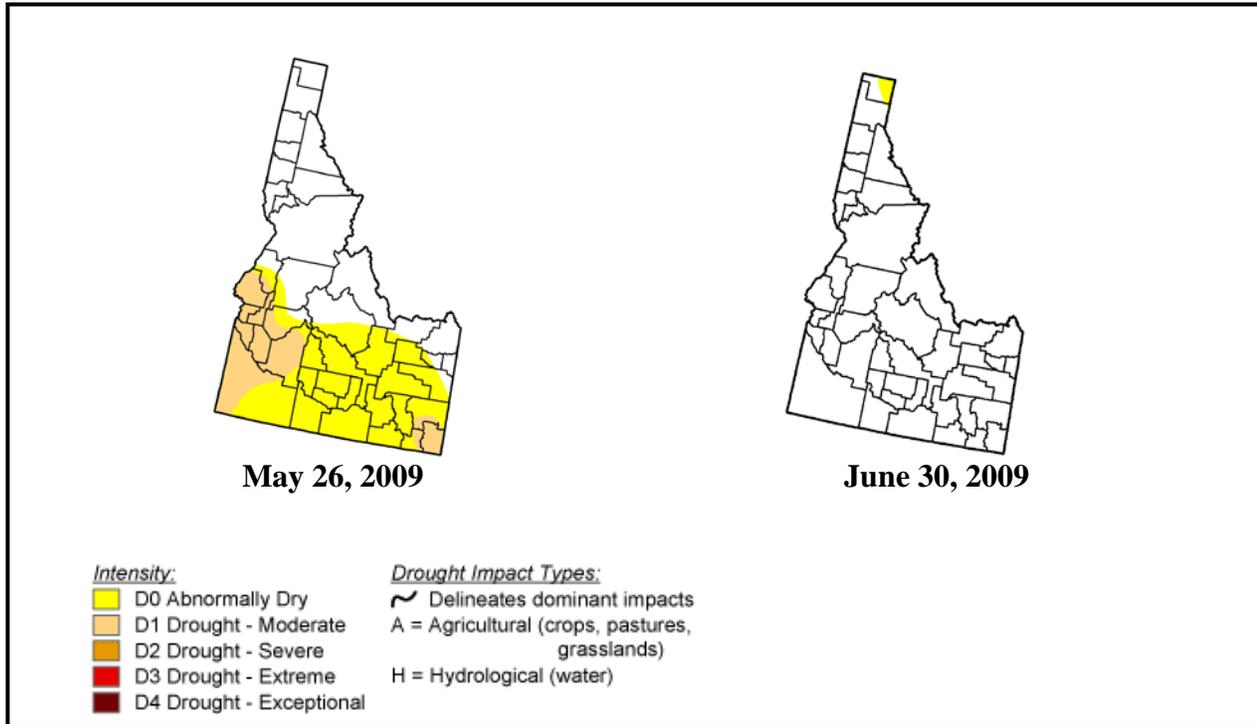
The Upper Snake River Basin reservoir system was at 98 of capacity June 30, up 15% from May 31, 2009.

Reservoir	% Capacity May 31³	% Capacity June 30⁴	Percent Change	% of Average⁴	% of Last Year⁴
American Falls	97	100	3	123	135
Bear Lake	37	44	7	58	119
Blackfoot	50	62	12	78	160
Henry's Lake	99	98	-1	99	98
Island Park	93	99	7	104	103
Little Wood	99	100	1	120	149
Mackay	86	100	14	122	131
Magic	57	88	21	116	167
Oakley	42	47	5	89	120
Palisades	67	100	33	109	116
Ririe	100	100	0	114	109
Lake Walcott	101 ¹	98 ²	-3	n/a	n/a
Milner	98 ¹	116 ²	18	n/a	n/a

Source: (1) US Bureau of Reclamation (BOR), June 9, 2009; (2) BOR June 29, 2009; (3) NRCS, May 31, 2009; (4) NRCS, June 30, 2009.

Drought

The wet June conditions completely removed the eastern portion of Idaho from the abnormally dry and moderate drought categories according to the Drought Monitor. Below is a comparison between the end of May and June of this year.



June 2009 Hydrologic Product Summary

Product	Number Issued
Flood Watch for Flash Flooding	17
Flash Flood Warning	45*
Flash Flood Statement	61*
Urban and Small Stream Flood Advisory	20*
Flood Watch for Flooding	3*
Flood Warning	5*
Flood Statement (River Flooding)	26*
Flood Advisory	2*
Hydrologic Statement	37*
River Statement	17*

*County Based

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