

USDA NRCS Idaho Snow Survey, November 11, 2011

2012 Snowpack and Streamflow Needed for Adequate Agricultural Irrigation Supply in 2012

Boise Basin

Basin / Reservoir	Reservoir Storage Sep 30 2011 (KAF)	Projected Reservoir Storage (KAF on March 31, 2012)	Streamflow Needed For Adequate Irrigation Water Supply KAF (% of avg) Period	April 1 Snowpack Percent of Average that has Always Produced the Volume Needed in the Previous Column	Example Years April 1 Snow & Apr-Sep flow as % of Average for other similar Climatic Indexes: La Nina, SOI & Pacific Decadal Oscillation (PDO)
Boise 3 Reservoirs	618	750	> 750 KAF (49% of avg) Apr-Sep Adequate Water Supply 1,500 KAF	> 73% of average	1971 154 172 1974 162 162 1989 106 87 1999 119 120 2008 96 91 2011 97 129

April 1 snowpack of 72% of average in 1988 produced streamflow of 49% of average.
 April 1 snowpack greater than 120% of average has always produced flow greater than 120% of average.

Big Wood Basin

Big Wood Magic	95.8	140	> 135 KAF (44% of avg) Apr-Sep Adequate Water Supply 275 KAF	>83% of average	1971 151 203 1974 159 159 1989 104 65 1999 116 137 2008 96 57 2011 98 106
----------------	------	-----	---	-----------------	--

April 1 snowpack of 82% of average in 2002 produced streamflow of 39% of average.
 April 1 snowpack greater than 115% of average has always produced flow greater than 130% of average, except in 1972.

2012 Snowpack and Streamflow Needed for Adequate Agricultural Irrigation Supply in 2012

Basin / Reservoir	Reservoir Storage Sep 30 2011 (KAF)	Projected Reservoir Storage (KAF on March 31, 2012)	Streamflow Needed For Adequate Irrigation Water Supply KAF (% of avg) Period	April 1 Snowpack Percent of Average that has Always Produced the Volume Needed in the Previous Column	Example Years April 1 Snow & Apr-Sep flow as % of Average for other similar Climatic Indexes: La Nina, SOI & Pacific Decadal Oscillation (PDO)
-------------------	-------------------------------------	---	--	---	--

Little Wood Basin

Little Wood	12.4	25	>35 KAF (37% of avg) Apr-Sep Adequate Water Supply 55-60 KAF	>64% of average	1971 167 189 1974 156 132 1989 111 68 1999 119 124 2008 95 55 2011 107 119
-------------	------	----	---	-----------------	---

April 1 snowpack of 63% of average in 1991 produced streamflow of 45% of average.
 April 1 snowpack greater than 120% of average has always produced flow greater than 130% of average.

Big Lost Basin

Big Lost Mackay	30	40	>140 KAF (81% of avg) Apr-Sep Adequate Water Supply 180 KAF	>110% of average	1971 156 140 1974 165 150 1989 107 46 1999 119 114 2008 92 61 2011 101 97
-----------------	----	----	--	------------------	--

April 1 snowpack of 109% of average in 1962 produced streamflow of 76% of average.
 April 1 snowpack greater than 110% of average has always produced flow greater than 103% of average.

2012 Snowpack and Streamflow Needed for Adequate Agricultural Irrigation Supply in 2012

Basin / Reservoir	Reservoir Storage Sep 30 2011 (KAF)	Projected Reservoir Storage (KAF on March 31, 2012)	Streamflow Needed For Adequate Irrigation Water Supply KAF (% of avg) Period	April 1 Snowpack Percent of Average that has Always Produced the Volume Needed in the Previous Column	Example Years April 1 Snow & Apr-Sep flow as % of Average for other similar Climatic Indexes: La Nina, SOI & Pacific Decadal Oscillation (PDO)
-------------------	-------------------------------------	---	--	---	--

Little Lost Basin

Little Lost	No reservoir	No reservoir	>39 KAF (100% of avg) Apr-Sep Adequate Water Supply 39 KAF	>125% of average	1971 150 136 1974 145 112 1989 103 74 1999 121 114 2008 107 74 2011 121 113
-------------	--------------	--------------	---	------------------	--

April 1 snowpack of 121% of average in 2006 produced streamflow of 87% of average.

April 1 snowpack of 129% of average has always produced streamflow greater than 116% of average.

Upper Snake Basin

Snake above Heise Palisades Resv & Jackson Lake	1869	1700 Mar 31 2011	>2,800 KAF (67% of avg) Apr-Sep Adequate Water Supply 4,500 KAF	>80% of average	1971 152 148 1974 135 134 1989 111 93 1999 114 119 2008 105 103 2011 119 151
---	------	---------------------	--	-----------------	---

April 1 snowpack of 79% of average in 2002 produced streamflow of 67% of average.

April 1 snowpack greater than 125% of average has always produced flow greater than 120% of average.

Oakley Basin

Goose Oakley	27.9	42	>8 KAF (25% of avg) Apr-Sep Adequate Water Supply 50 KAF	Minimal amount of flow needed.	1971 128 154 1974 145 134 1989 115 68 1999 97 109 2008 106 60 2011 115 149
--------------	------	----	---	--------------------------------	---

Minimum April 1 snowpack of 31% of average in 1977 produced streamflow of 42% of average.

April 1 snowpack greater than 118% of average has always produced flow greater than 111% of average.

2012 Snowpack and Streamflow Needed for Adequate Agricultural Irrigation Supply for 2012

Basin / Reservoir	Reservoir Storage Sep 30 2011 (KAF)	Projected Reservoir Storage (KAF on March 31, 2012)	Streamflow Needed For Adequate Irrigation Water Supply KAF (% of avg) Period	April 1 Snowpack Percent of Average that has Always Produced the Volume Needed in the Previous Column	Example Years April 1 Snow & Apr-Sep flow as % of Average for other similar Climatic Indexes: La Nina, SOI & Pacific Decadal Oscillation (PDO)
-------------------	---	--	--	---	---

Salmon Falls Basin

Salmon Falls	84.3	105	>10 KAF (10% of avg) Apr-Sep Adequate Water Supply 110 KAF	Minimal amount of flow needed.	1971 131 173 1974 122 98 1989 121 88 1999 90 95 2008 99 66 2011 111 175
--------------	------	-----	---	--------------------------------	--

Minimum April 1 snowpack of 42% of average in 1992 produced streamflow of 37% of average.
April 1 snowpack greater than 122% of average has always produced flow greater than 114% of average.

Bear River Basin

Bear, Bear Lake	1162	1070	>0 KAF (minimal amount needed) Apr-Sep Adequate Water Supply 500 KAF	Minimal amount of flow needed.	1971 150 178 1974 113 111 1989 103 20 1999 93 151 2008 98 50 2011 135 256
--------------------	------	------	---	--------------------------------	--

Minimum April 1 snowpack of 45% of average in 1992 produced streamflow of 9% of average.
April 1 snowpack greater than 133% of average has always produced flow greater than 142% of average.