

IDWR Water Supply Meeting

January 14, 2010 Boise, Idaho

Phil Morrisey

USDA NRCS Snow Survey

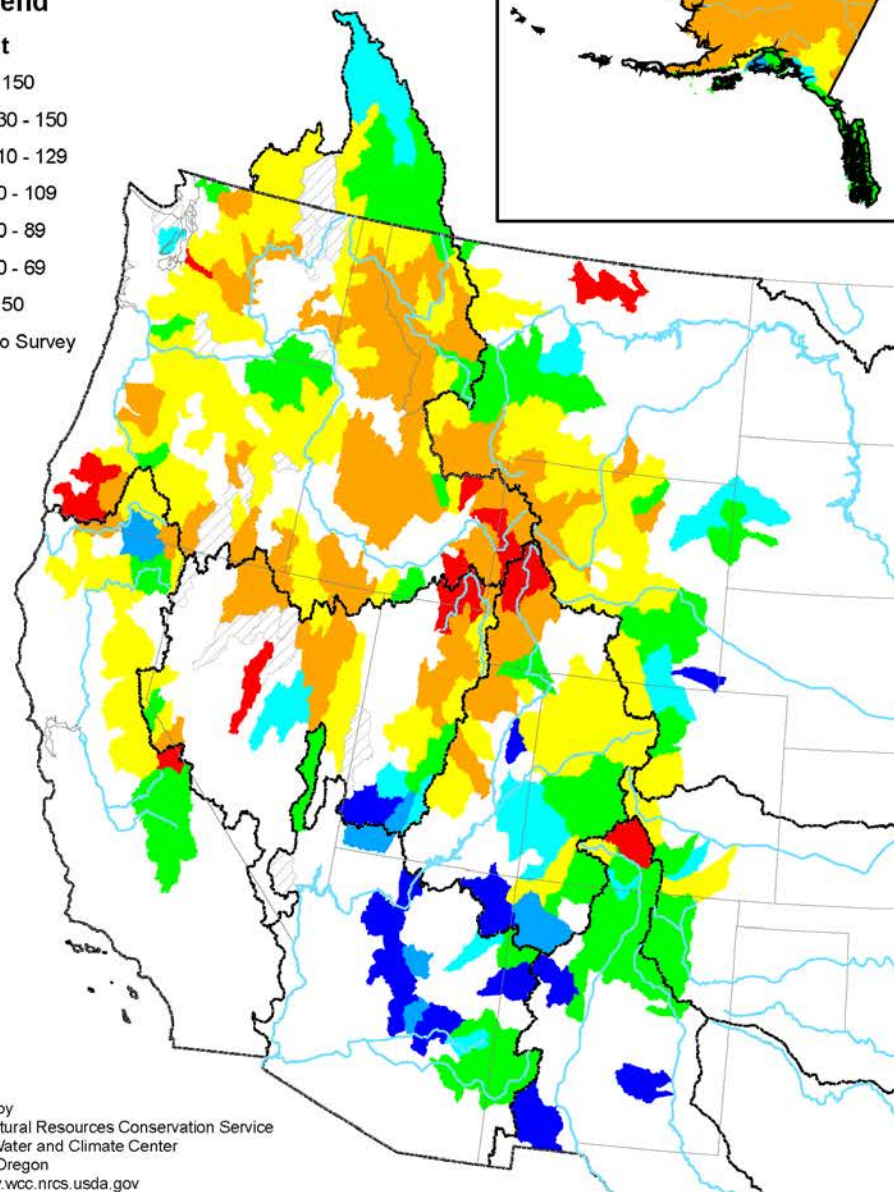
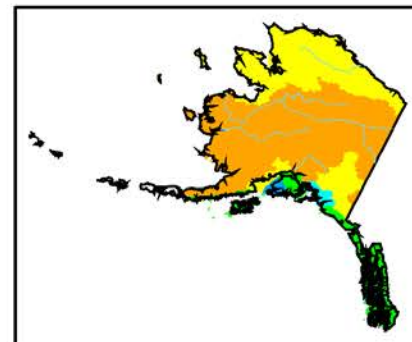


**Next generation snow
surveyors, Driggs, Idaho**

Mountain Snowpack as of January 1, 2010

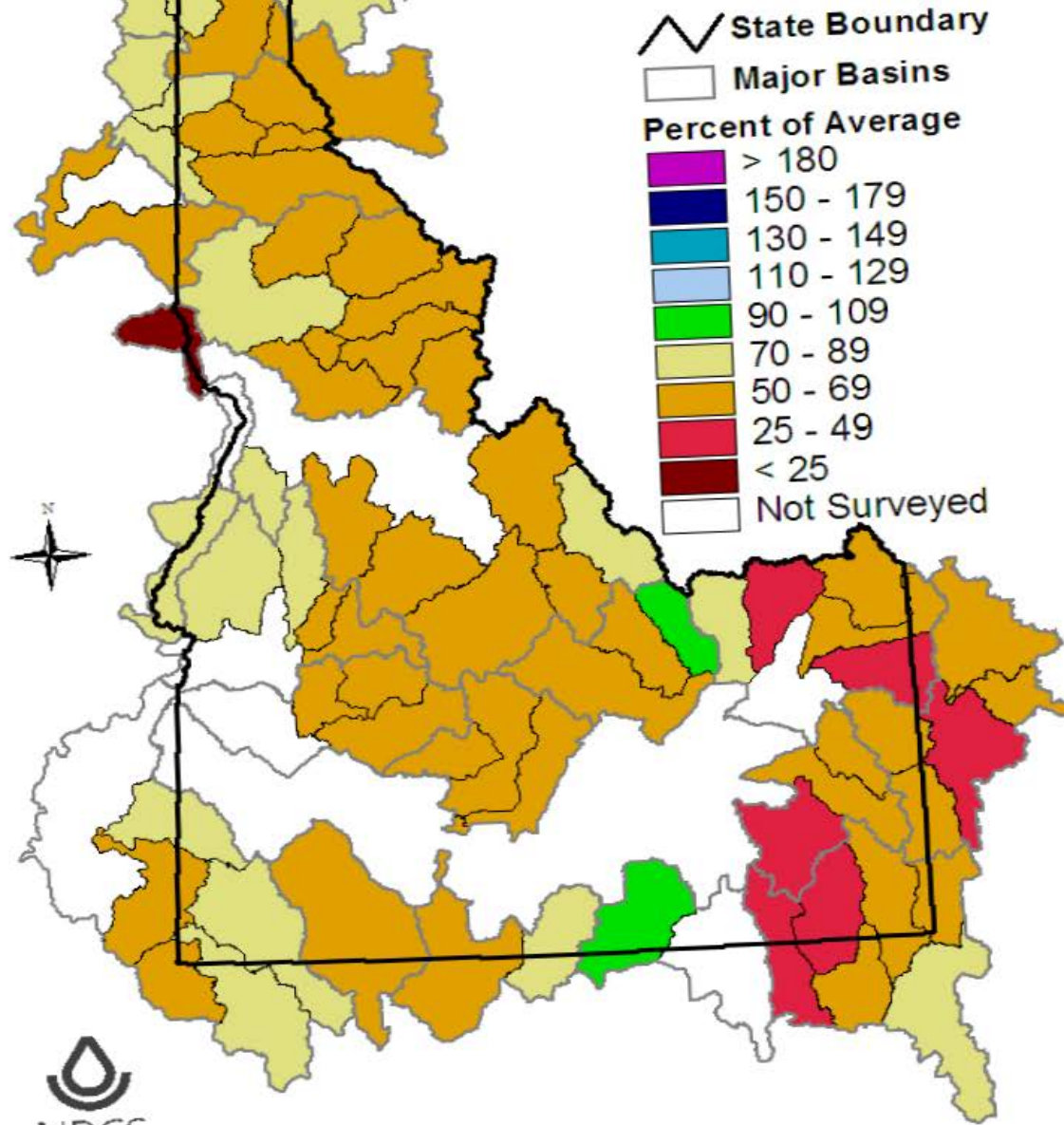
Legend

percent

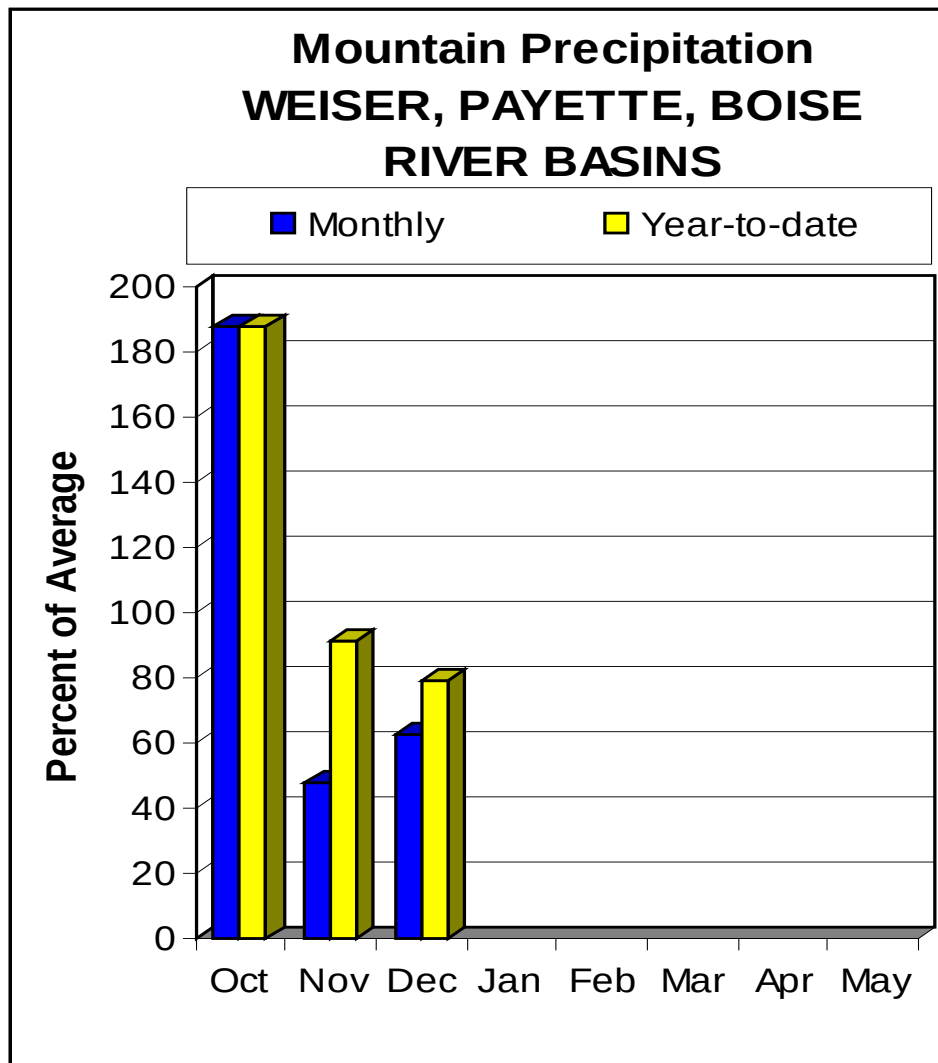


Prepared by
USDA, Natural Resources Conservation Service
National Water and Climate Center
Portland, Oregon
<http://www.wcc.nrcs.usda.gov>

January 1, 2010 Idaho Snowpack



NRCS Idaho SNOTEL Monthly Precipitation Water Year 2010, Total of 20 Sites

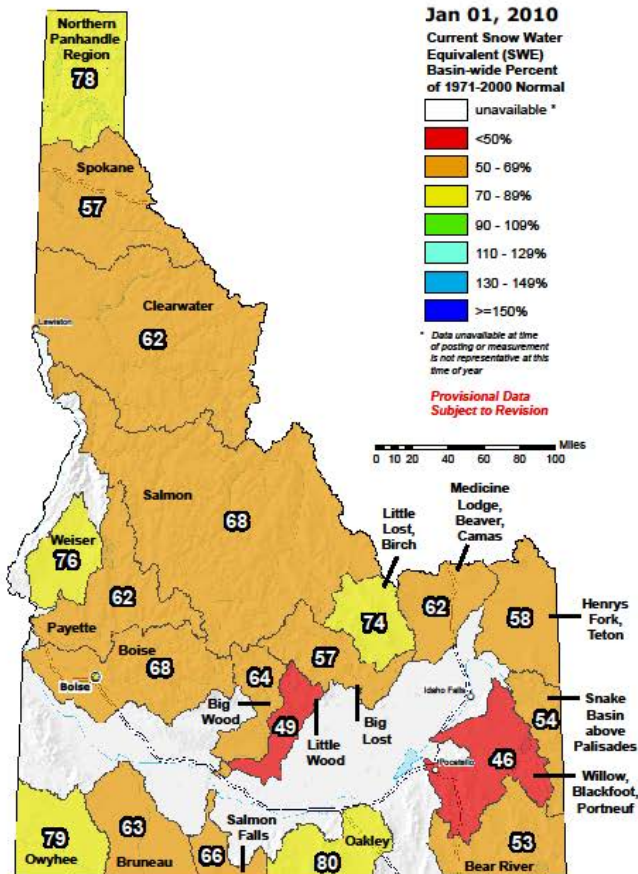


**Percent of Annual Total Precipitation, 18 SNOTEL Sites in
Weiser, Payette, Boise Basins**

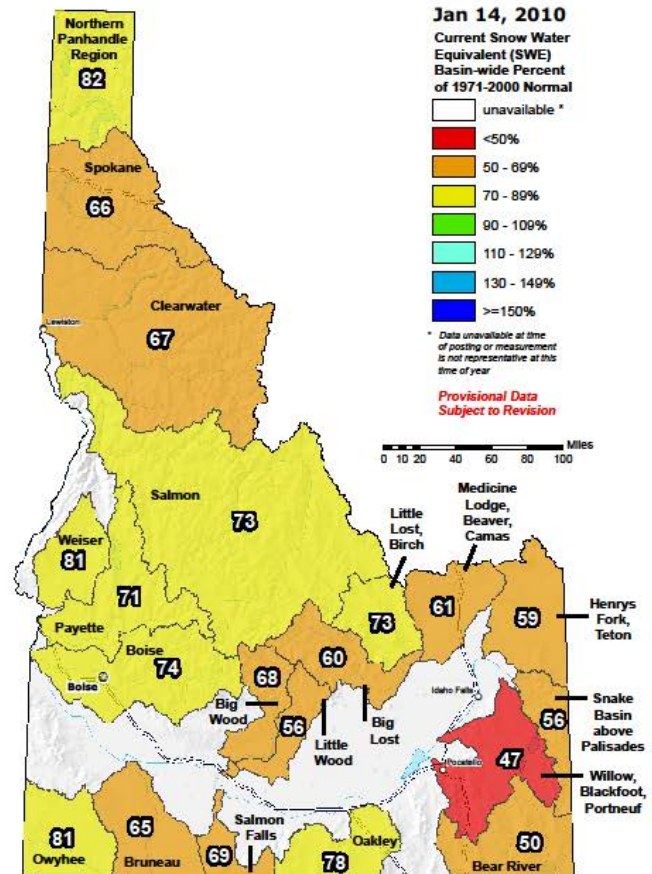


SNOTEL Snowpack Comparison Jan 1 – Jan 14, 2010

Idaho SNOTEL Current Snow Water Equivalent (SWE) % of Normal



Idaho SNOTEL Current Snow Water Equivalent (SWE) % of Normal



The snow water equivalent percent of normal represents the current snow water equivalent found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).

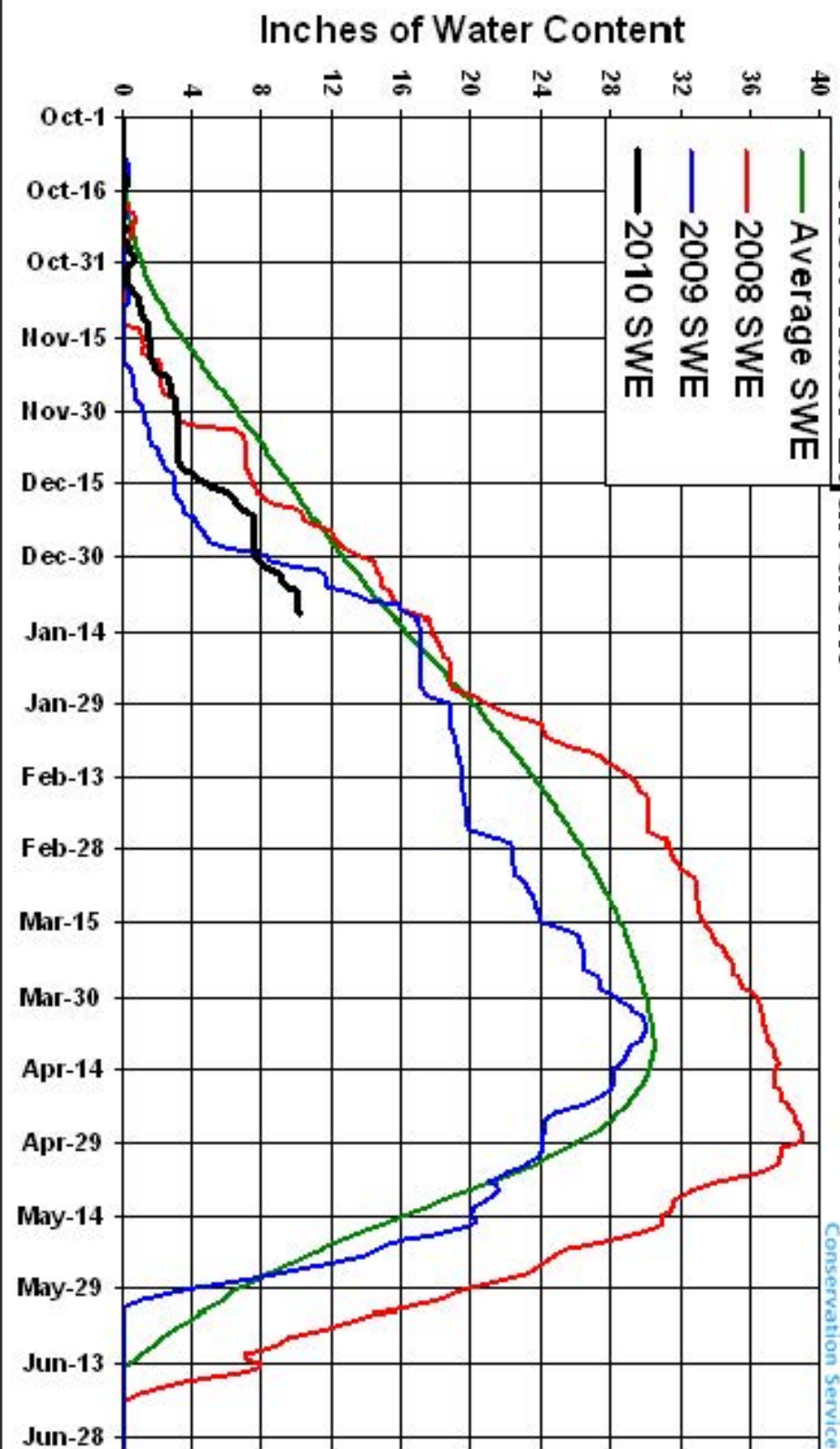
Prepared by the USDA/NRCS National Water and Climate Center Portland, Oregon <http://www.wcc.nrcs.usda.gov/gis/>
Based on data from <http://www.wcc.nrcs.usda.gov/reports/>
Science contact: Tom.Pagano@por.usda.gov 503 414 3010



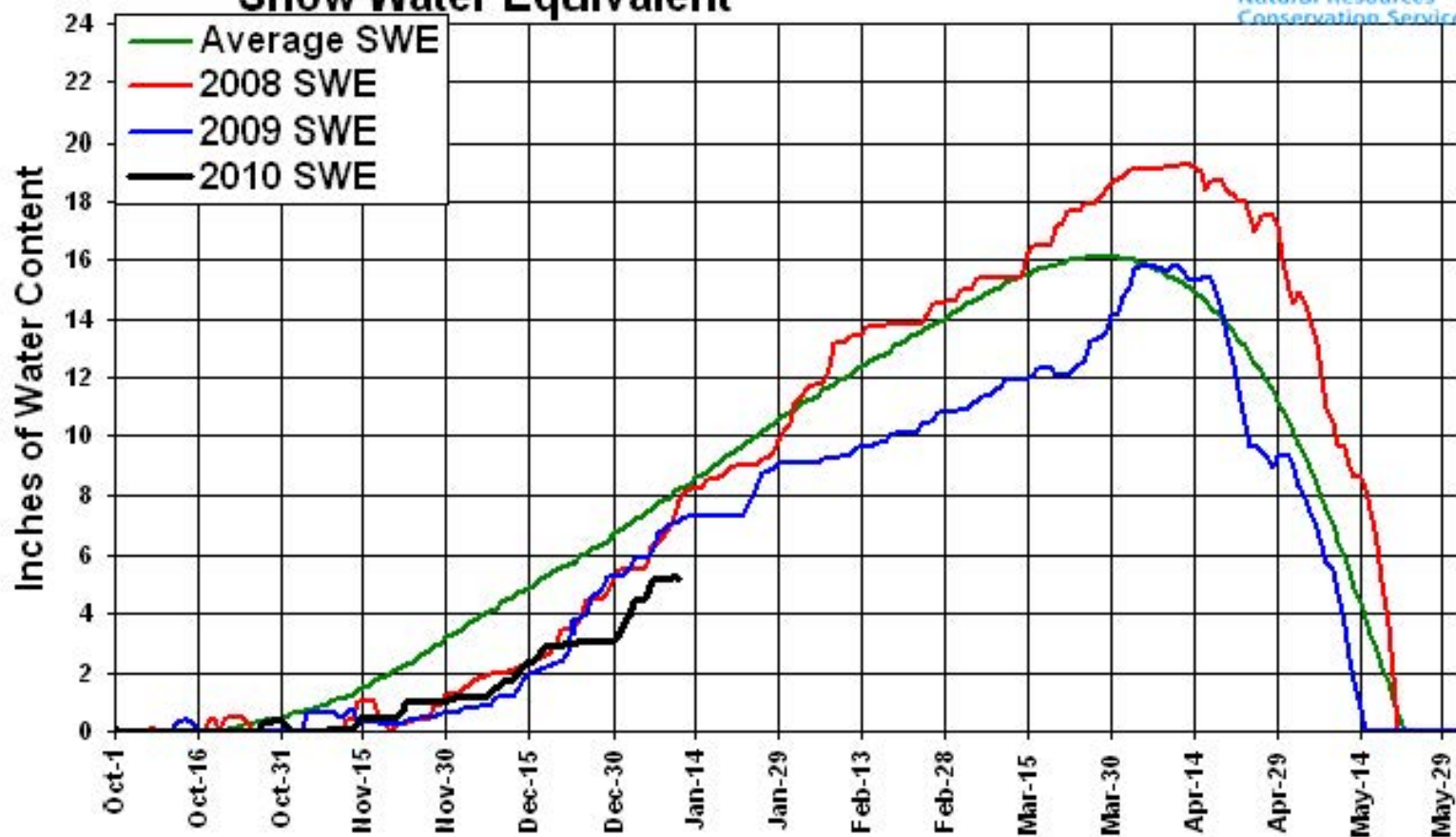
The snow water equivalent percent of normal represents the current snow water equivalent found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).

Prepared by the USDA/NRCS National Water and Climate Center Portland, Oregon <http://www.wcc.nrcs.usda.gov/gis/>
Based on data from <http://www.wcc.nrcs.usda.gov/reports/>
Science contact: Tom.Pagano@por.usda.gov 503 414 3010

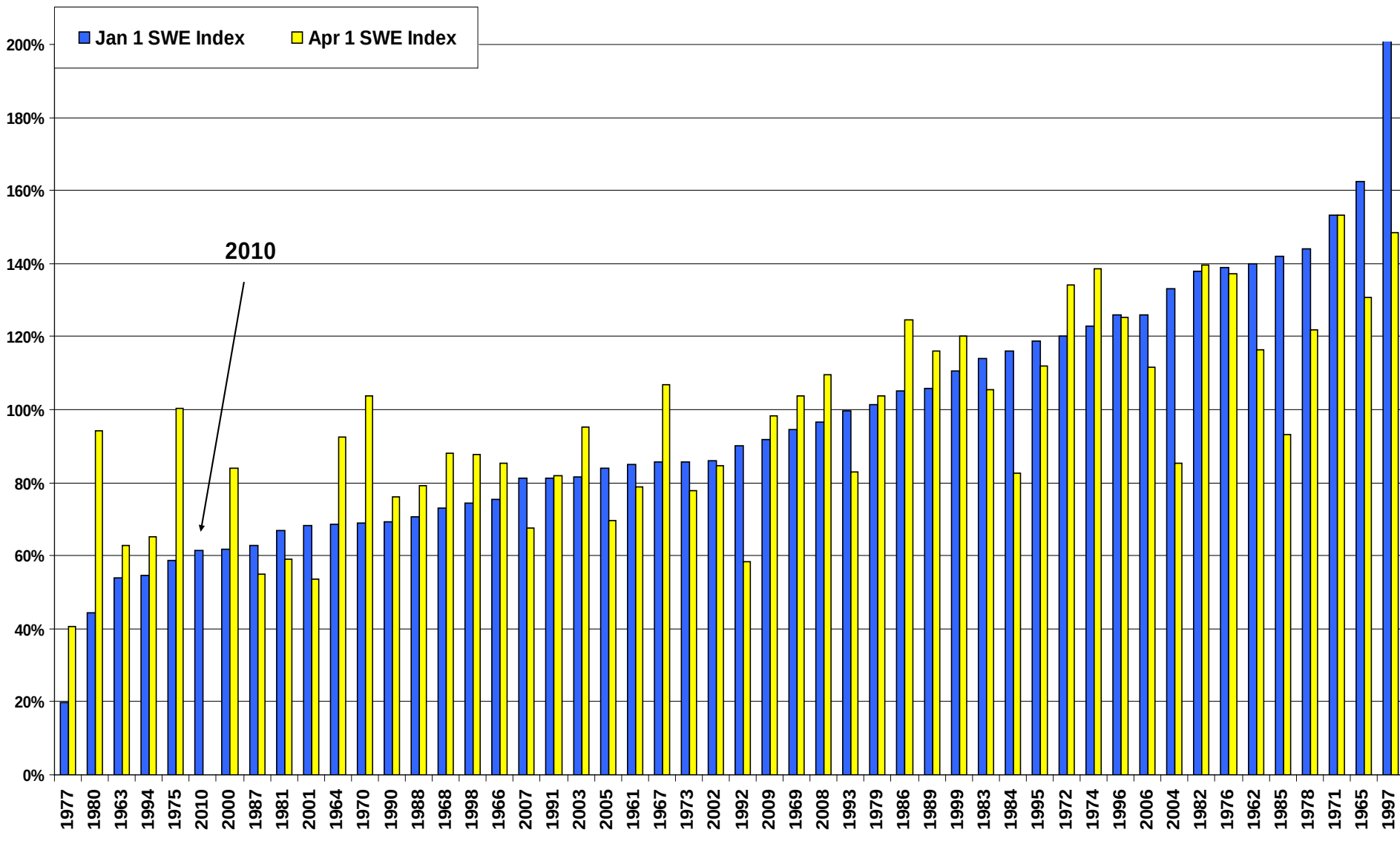
Lolo Pass SNOTEL El. 5240 Snow Water Equivalent



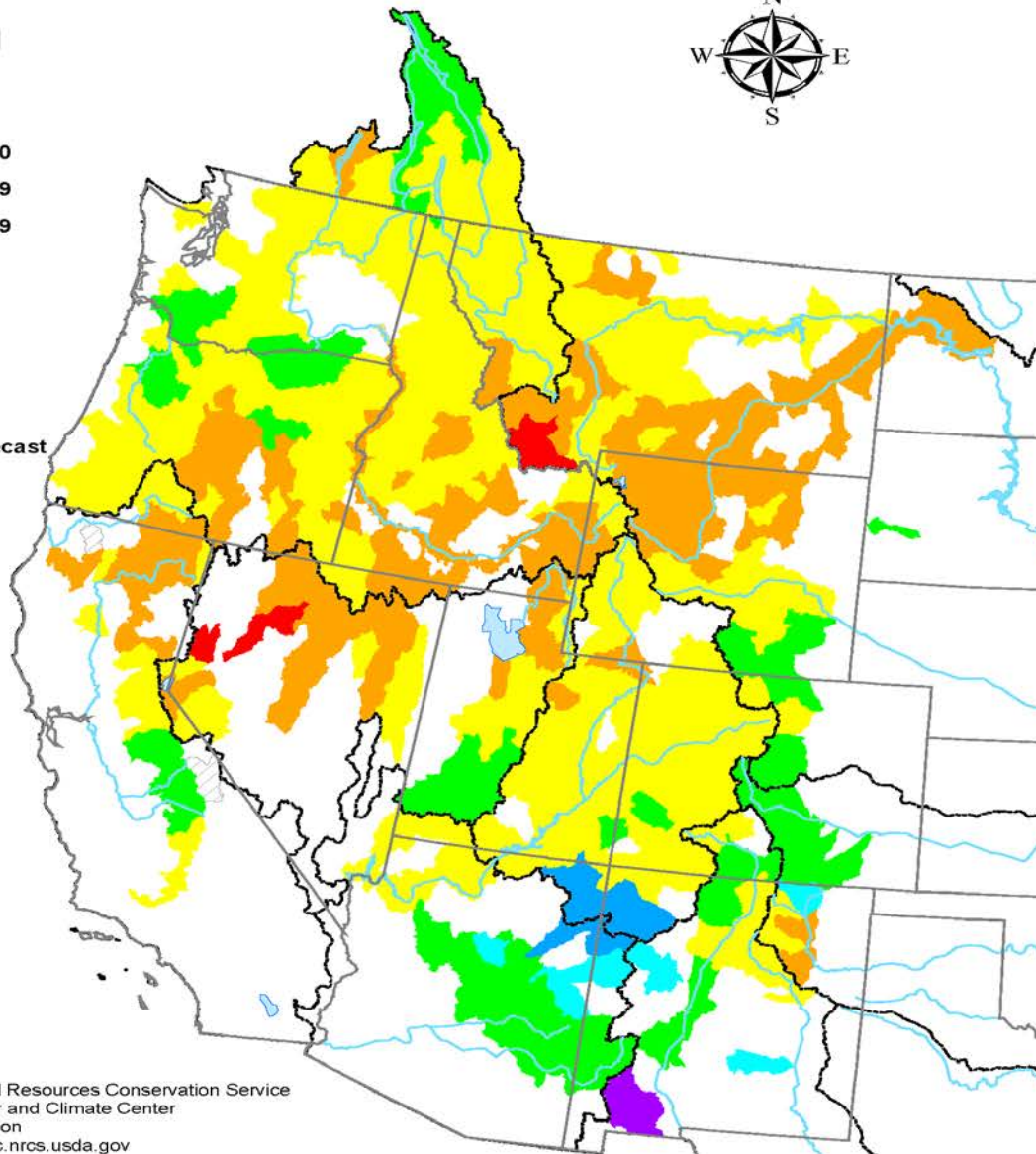
Pine Creek Pass SNOTEL El. 6720 Snow Water Equivalent



Snake Basin above Jackson Lake Historic SNOTEL SWE Index - 5 Sites, 1961 - 2010

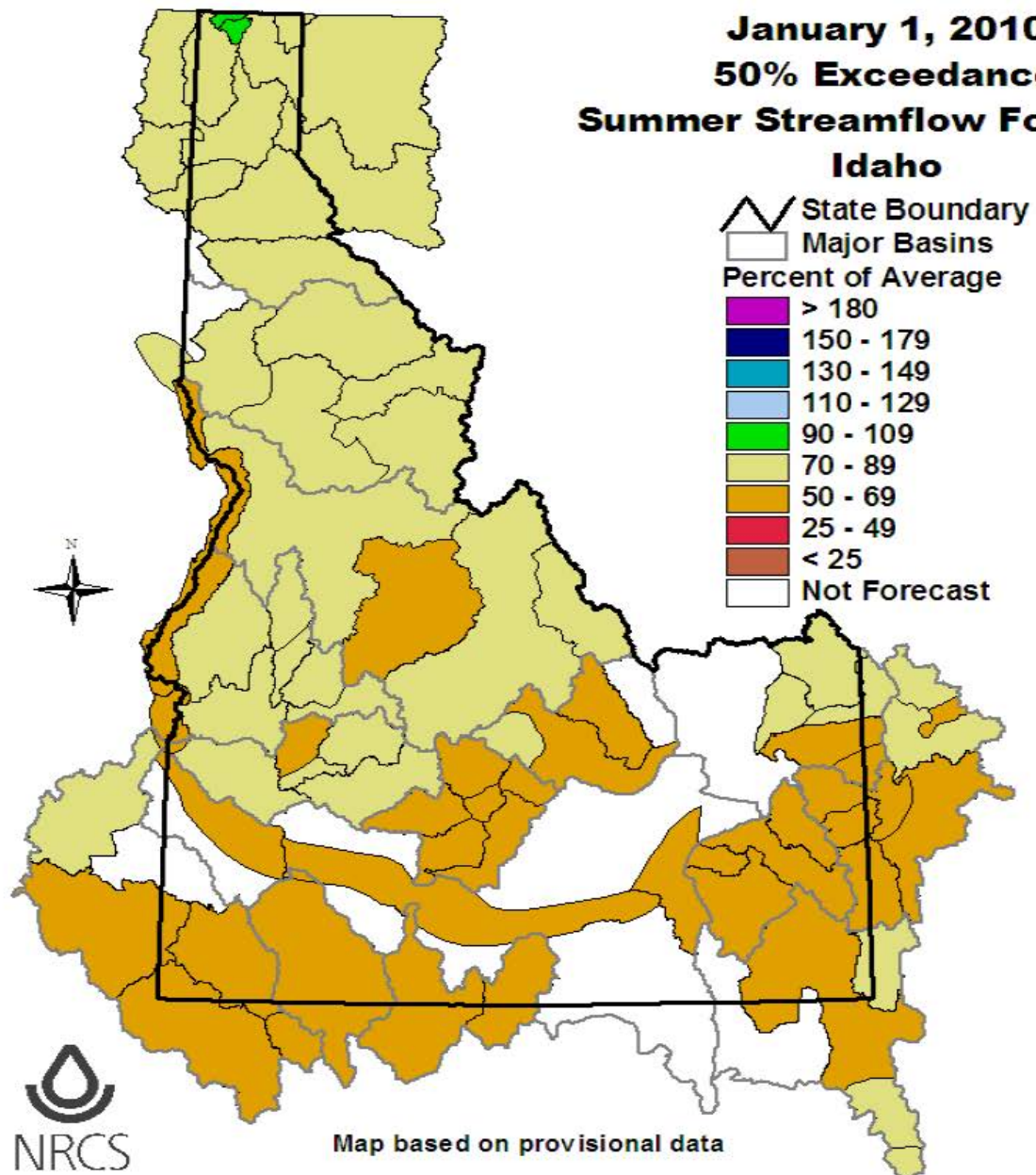


Spring and Summer Streamflow Forecasts as of January 1, 2010



Prepared by
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**January 1, 2010
50% Exceedance
Summer Streamflow Forecasts
Idaho**



January 2010 Streamflow Forecasts.

50% Exceedance Probability, produced jointly with NRCS and NWS.

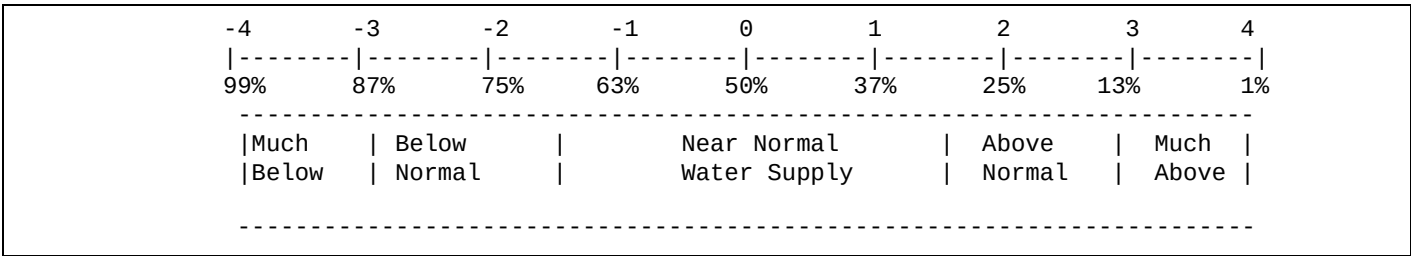
• Forecast Point	period	(KAF)	%avg
• KOOTENAI at Leonia	APR-JUL	6250	89
• PEND OREILLE Lake Inflow	APR-JUL	10600	84
• ST. JOE at Calder	APR-JUL	885	78
• SPOKANE near Post Falls	APR-JUL	1910	75
• Selway R nr Lowell	APR-JUL	1600	78
• DWORSHAK Resv. Inflow	APR-JUL	2190	83
• SALMON at Salmon	APR-JUL	675	79
• Salmon at White Bird	APR-JUL	4880	83
• Weiser R nr Weiser	APR-JUL	300	77
• PAYETTE nr Horseshoe Bend	APR-JUL	1220	74
• Boise R nr Twin Springs	APR-JUL	490	77
• SF BOISE at Anderson Ranch Dam	APR-JUL	385	71
• BOISE near Boise	APR-JUL	1030	73
• BIG WOOD at Hailey	APR-JUL	160	63
• BIG WOOD below Magic Dam	APR-JUL	155	53
• LITTLE WOOD near Carey	APR-JUL	57.0	66
• BIG LOST blw Mackay Resv	APR-JUL	89	63
• HENRYS FORK near Rexburg	APR-JUL	1100	71
• Teton R nr St. Anthony	APR-JUL	260	64
• Snake River At Flagg Ranch	APR-JUL	380	77
• SNAKE near Heise	APR-JUL	2420	68
• Oakley Reservoir Inflow	MAR-JUL	21.0	62
• Salmon Falls Ck nr San Jacinto	MAR-JUL	57.0	61
• Bruneau R nr Hot Springs	MAR-JUL	155	66
• Owyhee R nr Rome	FEB-JUL	445	68
• Snake River At Weiser, Id	APR-JUL	2890	50
• Bear River nr UT-WY State Line	APR-JUL	93	82
• Bear River at Stewart Dam	APR-JUL	140	60

IDAHO RESERVOIR STORAGE
NRCS Usable Contents December 31, 2009

Reservoir or Basin	Percent of Capacity December 31, 2009	Percent of Average December 31, 2009	Percent of Average December 31, 2008
Coeur d'Alene	17	38	47
Dworshak	62	96	107
Payette (2)	61	97	96
Boise (3)	54	97	95
Magic	39	94	30
Little Wood	62	133	57
Mackay	72	135	78
Henrys Fork (3)	86	108	107
Jackson & Palisades (2)	75	112	97
Blackfoot	55	89	40
American Falls	72	122	97
Oakley	29	86	62
Salmon Falls	23	80	32
Owyhee	22	40	47
Bear Lake	37	58	40

IDAHO SURFACE WATER SUPPLY INDEX (SWSI) As of January 1, 2010

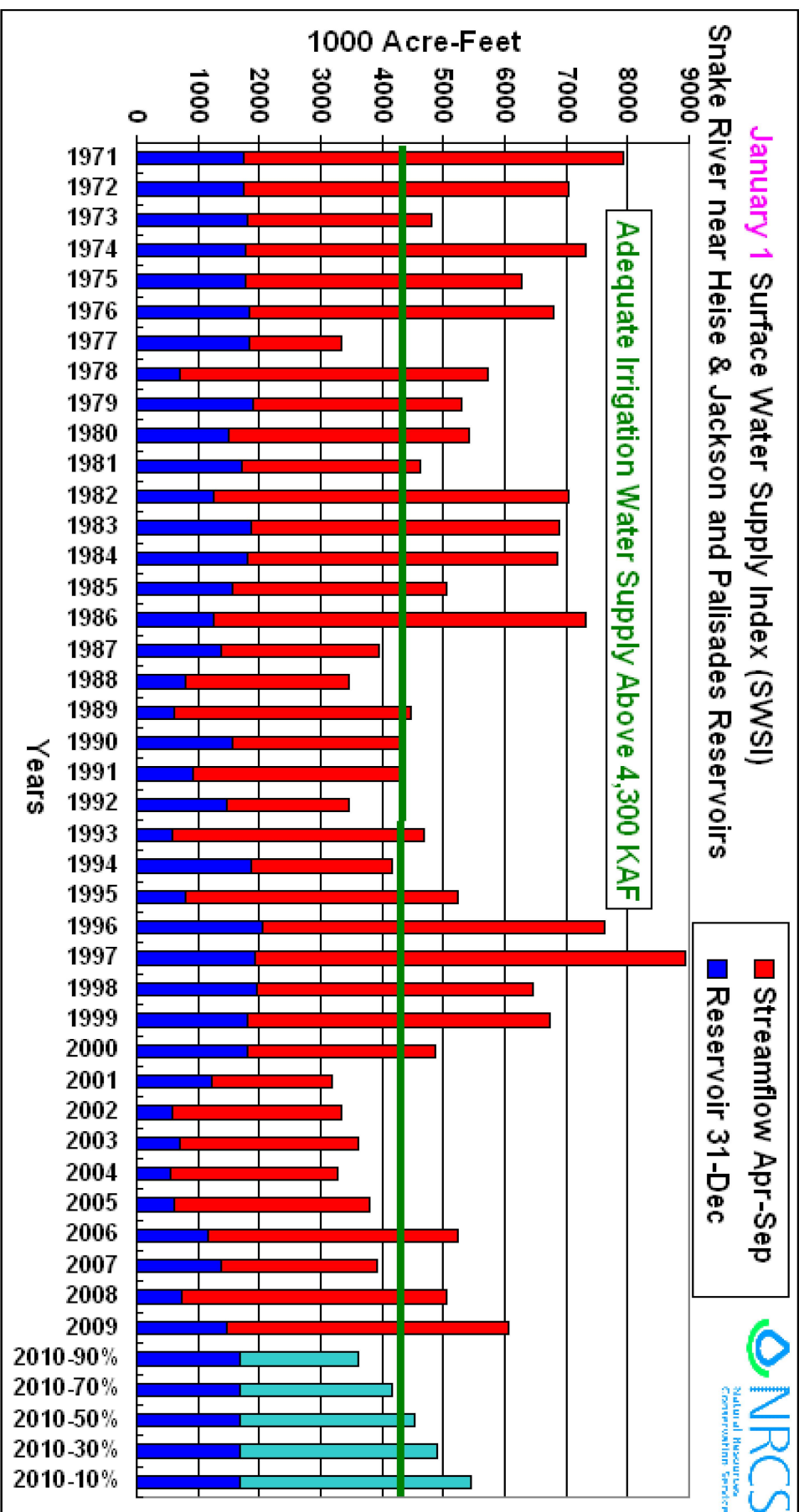
<i>BASIN or REGION</i>	<i>SWSI Value</i>	<i>Most Recent Year With Similar SWSI Value</i>	<i>Agricultural Water Supply Shortage May Occur When SWSI is Less Than</i>
PANHANDLE	-1.9	1995	NA
CLEARWATER	-2.1	2007	NA
SALMON	-1.5	2004	NA
WEISER	-1.1	2009	NA
PAYETTE	-1.8	2005	NA
BOISE	-1.4	2002	-1.8
BIG WOOD	-0.3	2009	0.0
LITTLE WOOD	0.3	2005/2009	-1.8
BIG LOST	-0.9	2009	0.0
LITTLE LOST	-1.8	2000	0.6
HENRYS FORK	-1.9	2004/2005	-3.4
TETON	-2.6	2003	NA
SNAKE (HEISE)	-1.3	1981/1989	-1.8
OWYHEE	-1.4	2007	-3.3
OAKLEY	-0.9	2009	-0.5
SALMON FALLS	-1.8	2000	-1.1
BRUNEAU	-1.4	2004	NA
BEAR RIVER	-1.5	2006	-2.9



Snake near Heise Jan 1, 2010

Apr-Sep Forecast 68%

2840 KAF





Bogus Basin Ski Area