

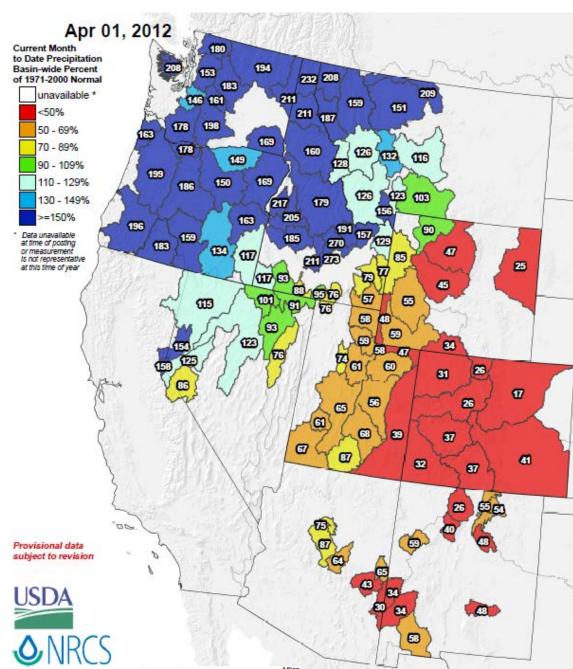
Idaho Water Supply Committee

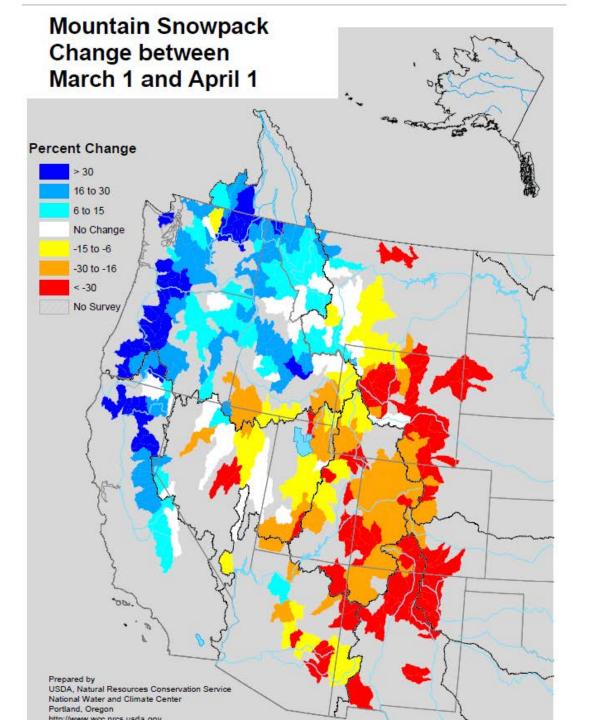
April 12, 2012

Jeff Anderson NRCS Snow Survey



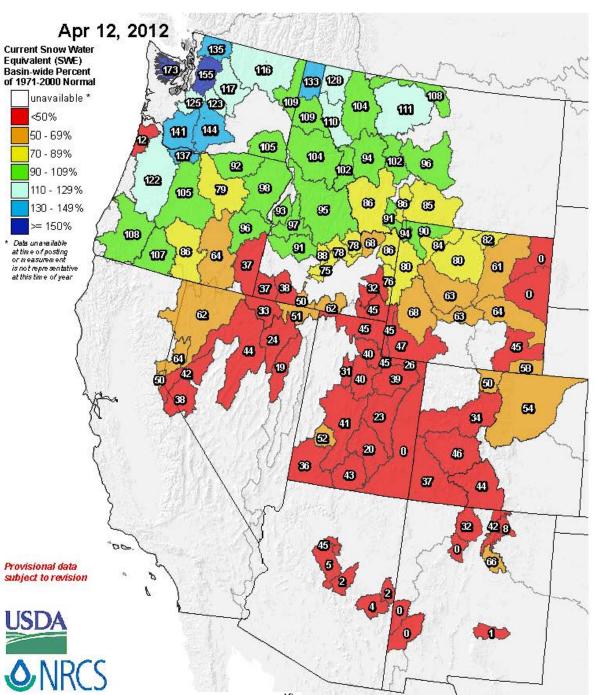
March Precipitation % of Normal



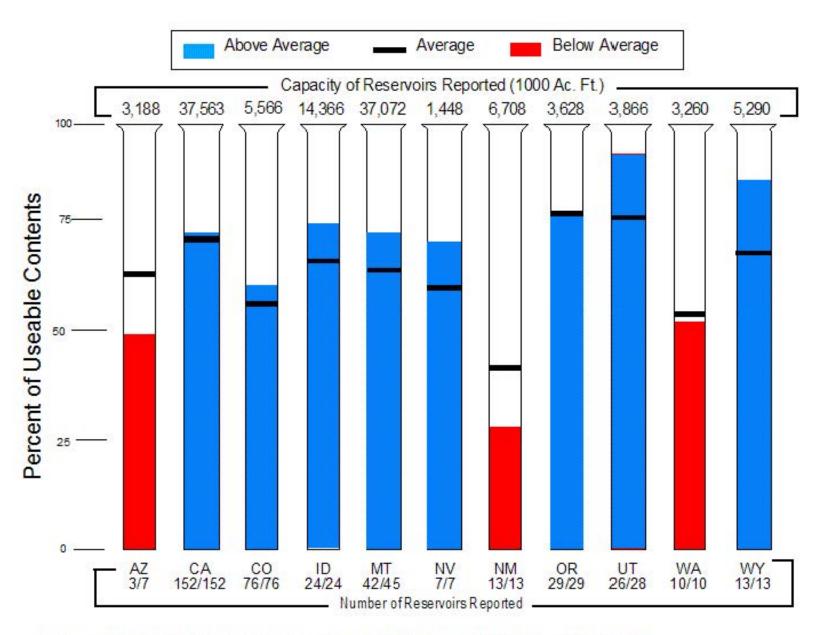




Westwide SNOTEL Current Snow Water Equivalent (SWE) % of Normal

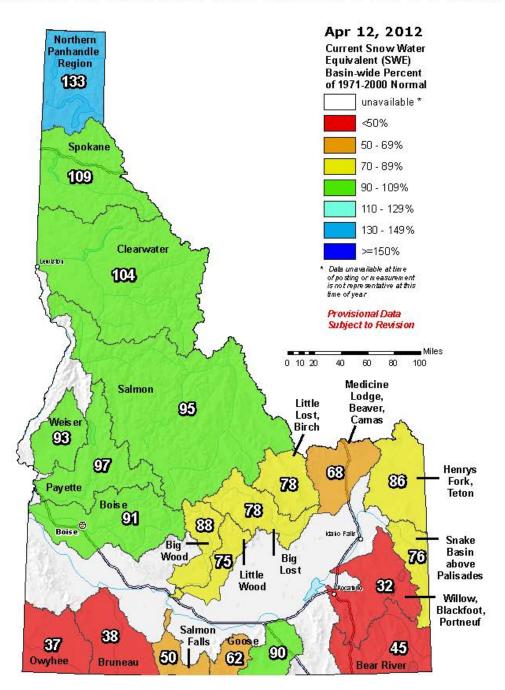


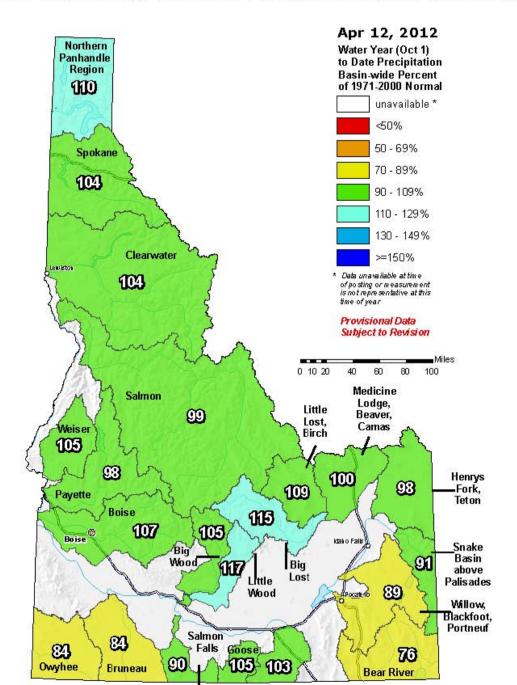
Reservoir Storage as of April 1, 2012



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

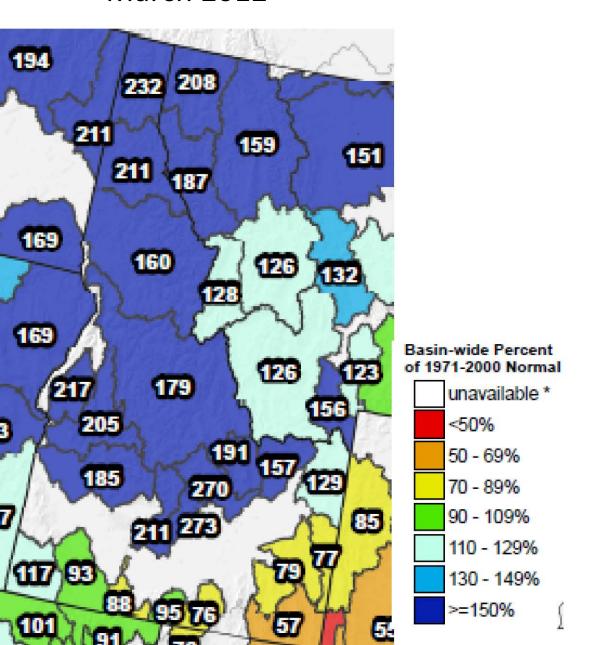
Idaho SNOTEL Current Snow Water Equivalent (SWE) % of Normal







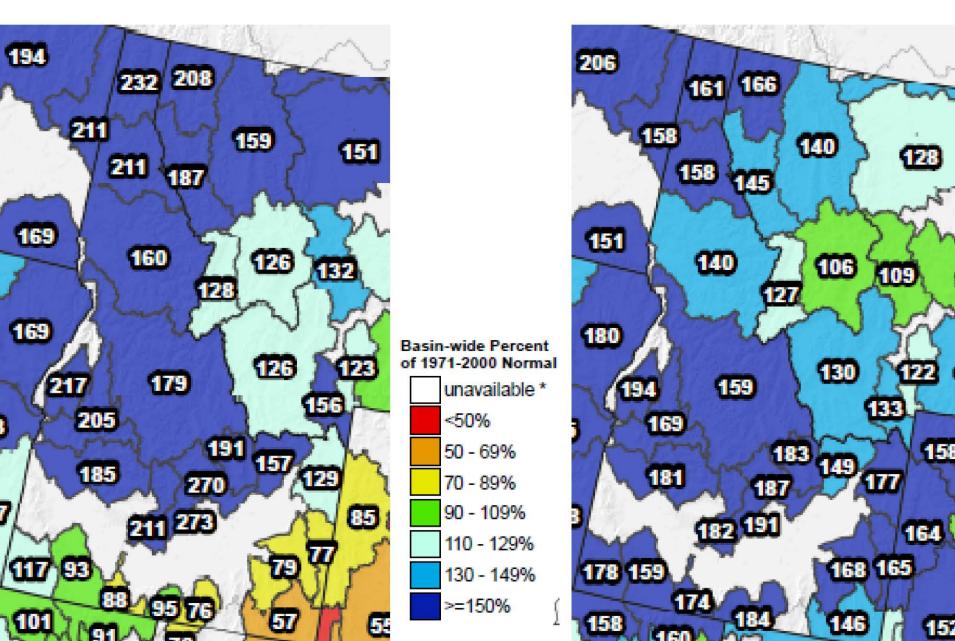
SNOTEL Month to Date Precipitation % of Normal March 2012

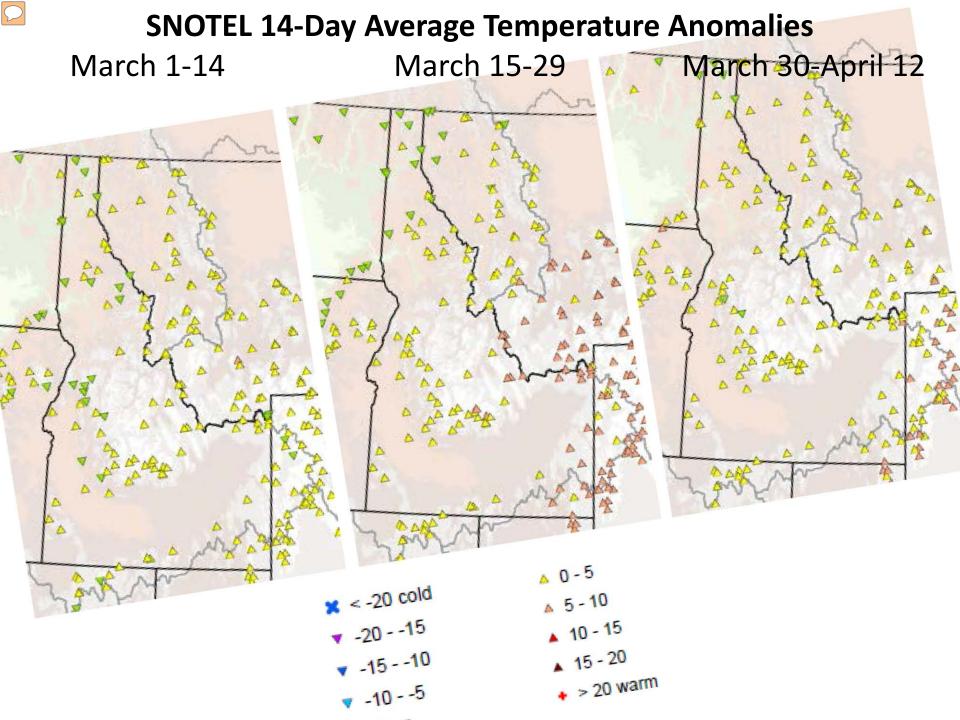




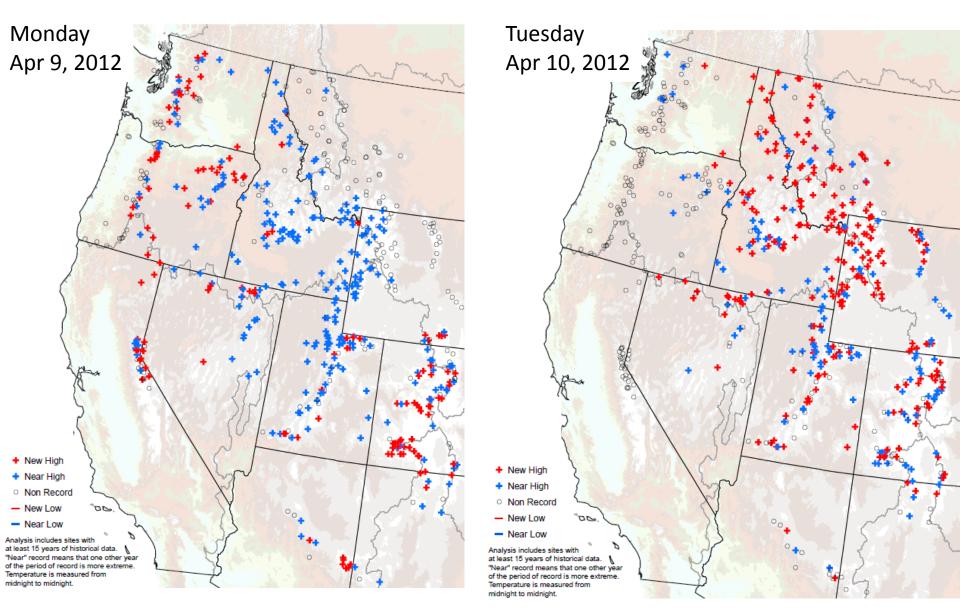
SNOTEL Month to Date Precipitation % of Normal

March 2012 March 2011



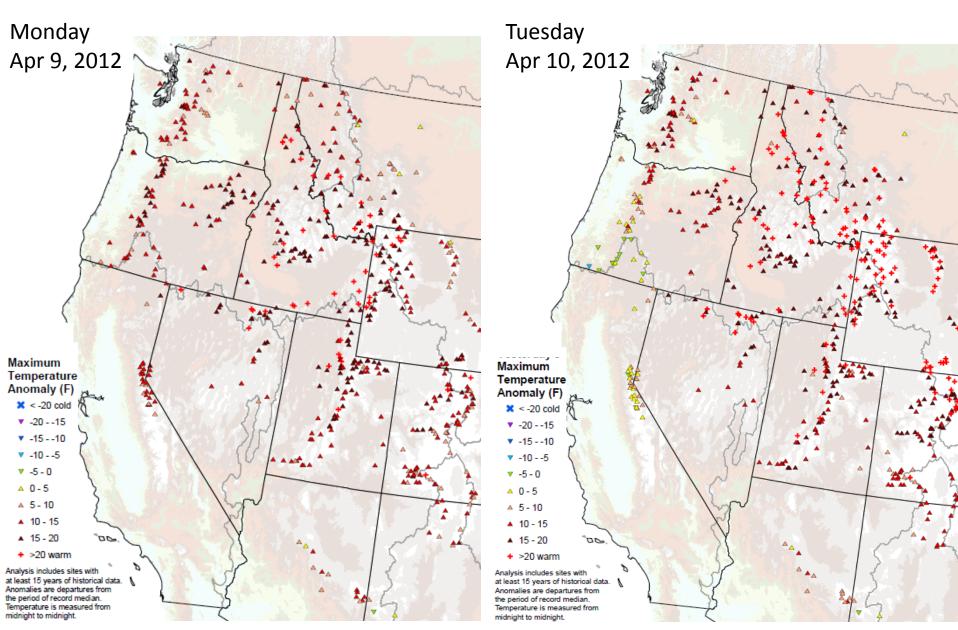


SNOTEL Maximum Temperature Records





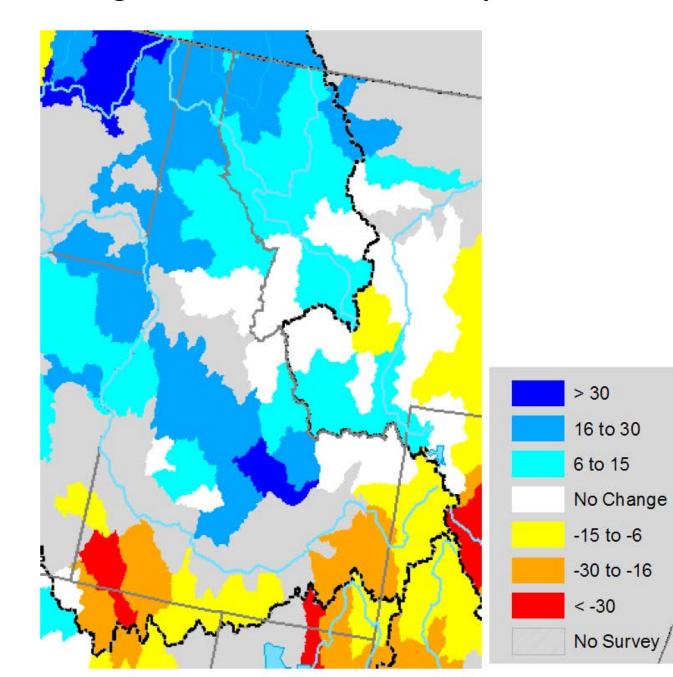
SNOTEL Maximum Temperature Anomaly



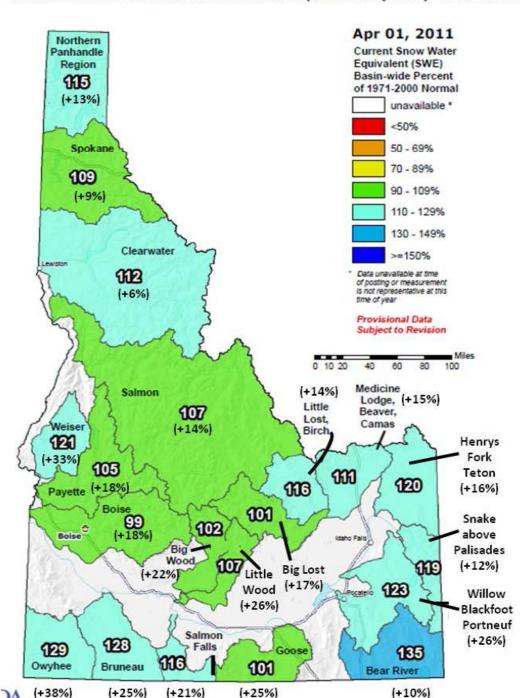
Mountain Snowpack Change between March 1 and April 1, 2012

Big Lost	+34%
Priest	+29%
Payette	+23%
Little Wood	+22%
Salmon	+19%
Big Wood	+16%
Little Lost	+16%
Weiser	+10%
Boise	+ 6%
Henrys Fk	+ 3%
Teton	- 2%

Teton	- 2%
Snake above Pal	- 6%
Goose/Trapper	-12%
Salmon Falls	-15%
Bear	-15%
Owyhee	-20%
Bruneau	-21%
Blackfoot	-22%



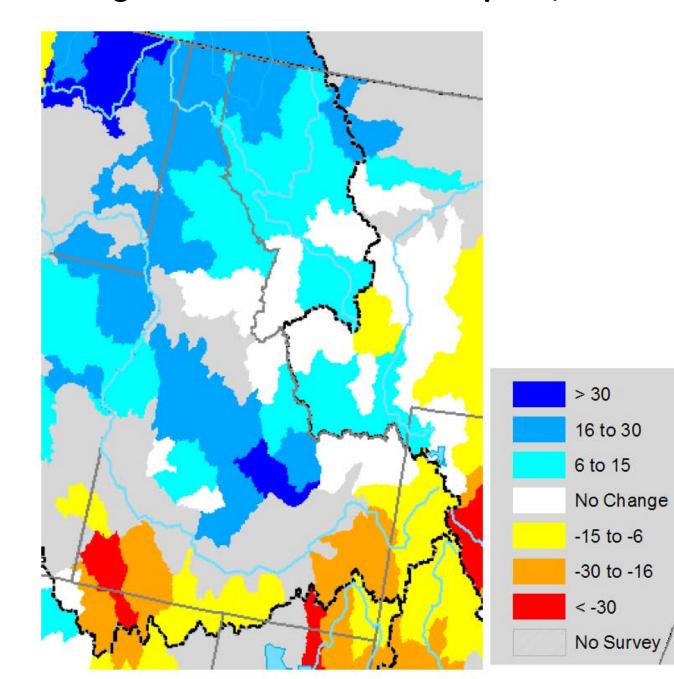
Compare to
March 1 to April 1, 2011
SWE % increased statewide
from 6-38%

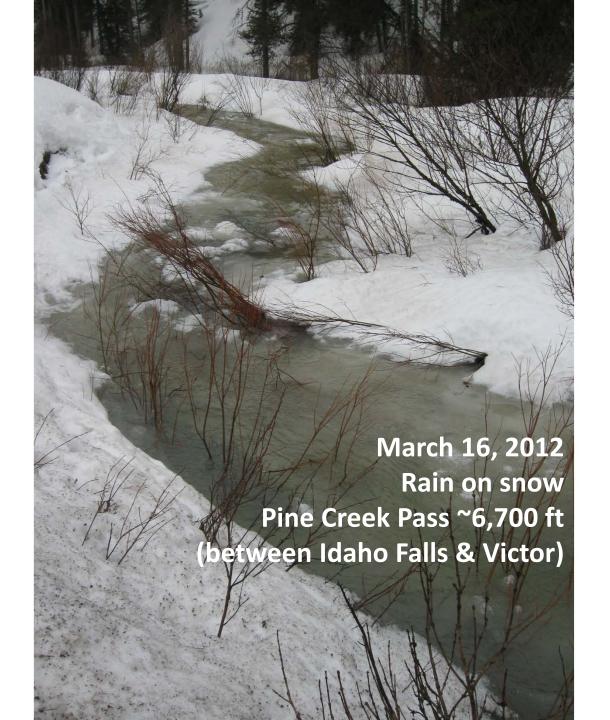


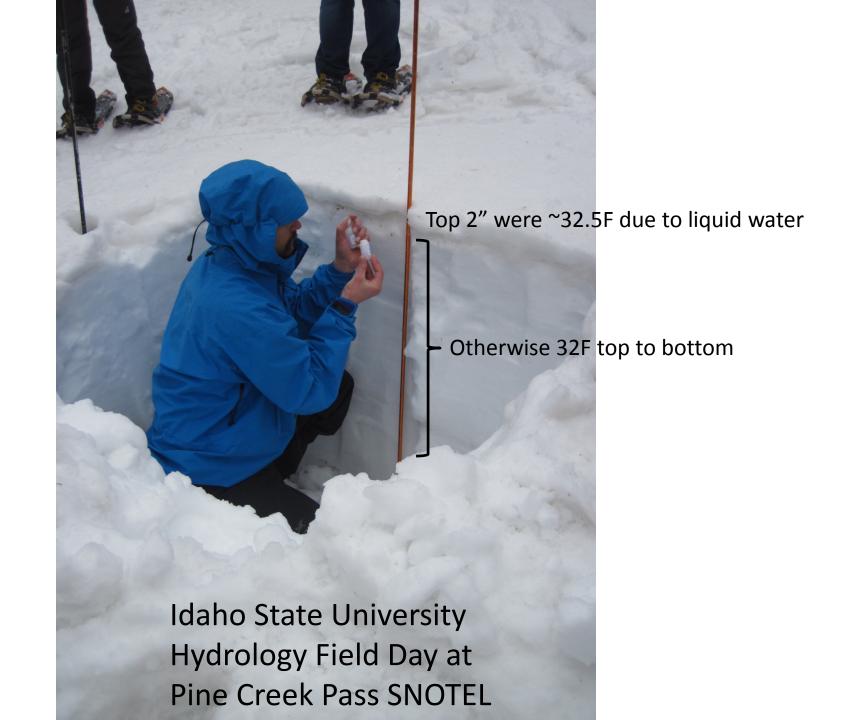


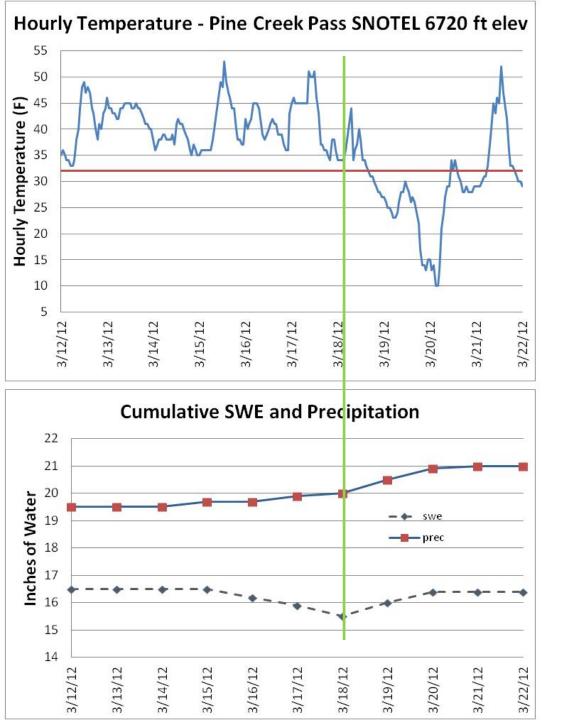
Mountain Snowpack Change between March 1 and April 1, 2012









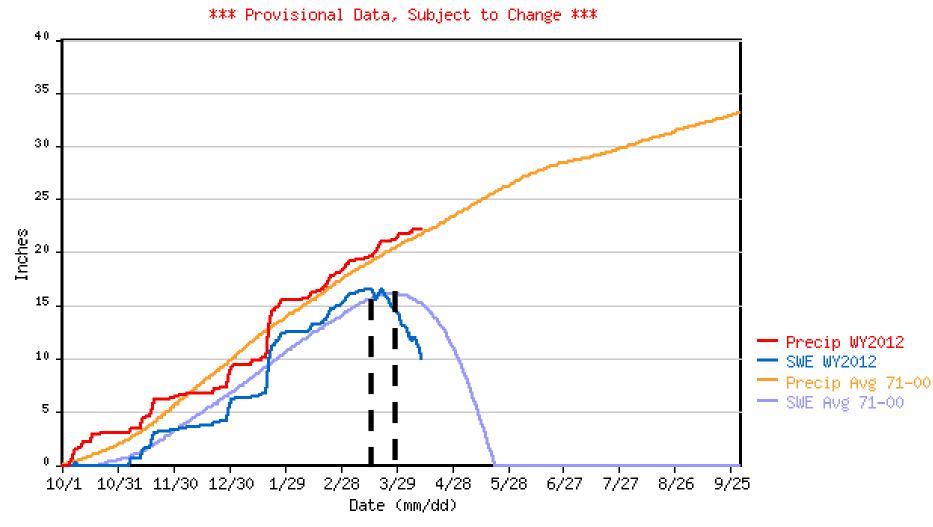


+6 days with temps above freezing

Rain = 0.6" Snowmelt = 1.0" Total runoff = 1.6"

17 sites saw snow melt begin in mid-March

Pine Creek Pass SNOTEL Water Year 2012



Melt starts ~2 weeks ahead of normal

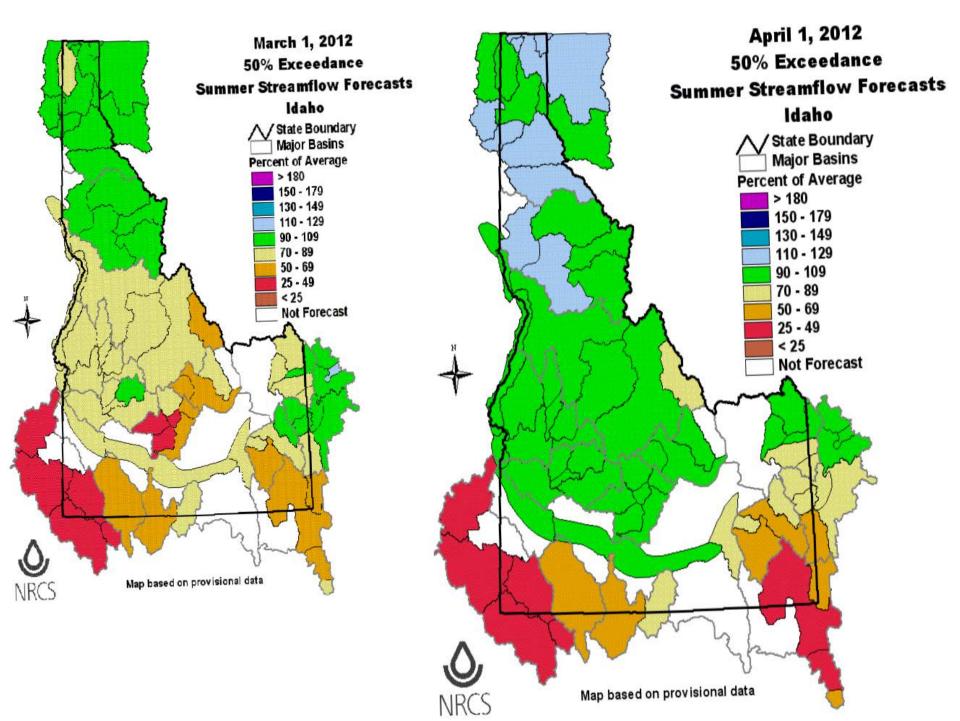
Current Idaho and Upper Snake SNOTEL Snowmelt Status

(based on 104 sites)

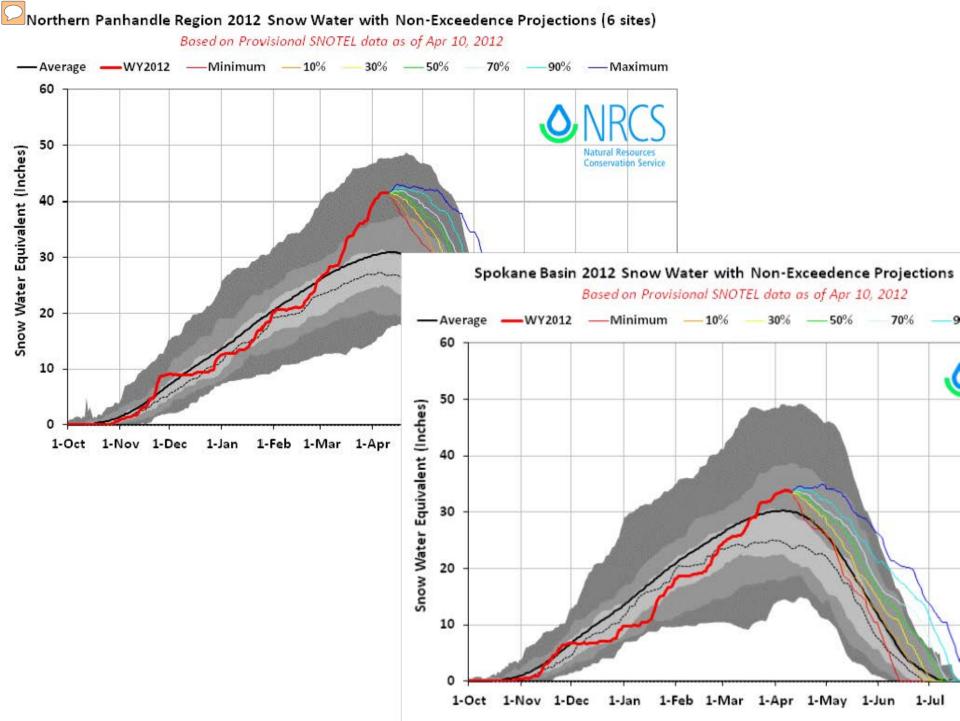
10 sites have melted out

75 sites had >0.3" SWE melt between Apr 8-11th

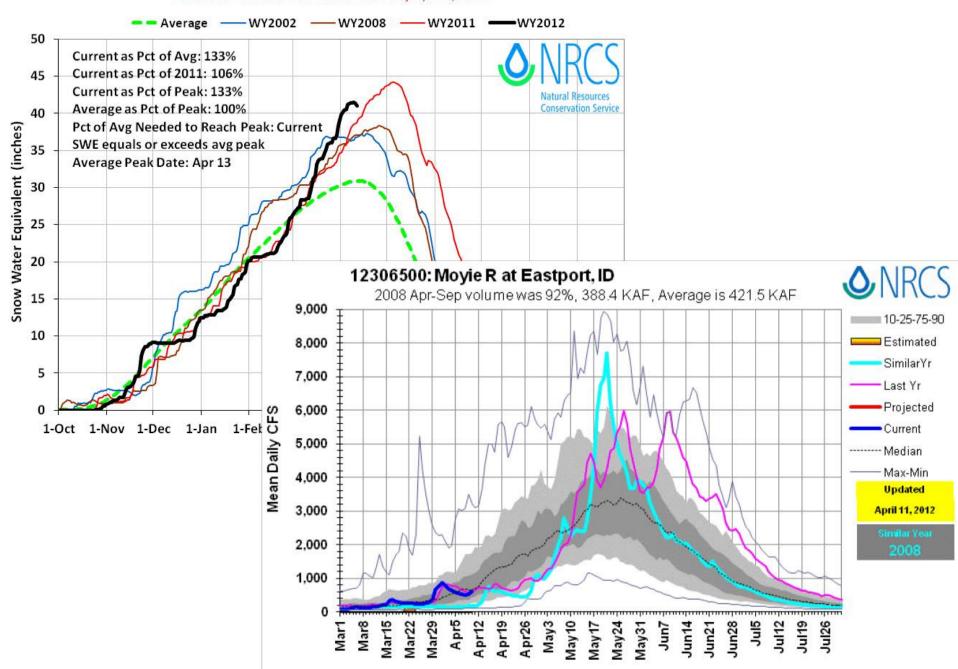
3 SNOTELs >9,000ft with >1" melt this week



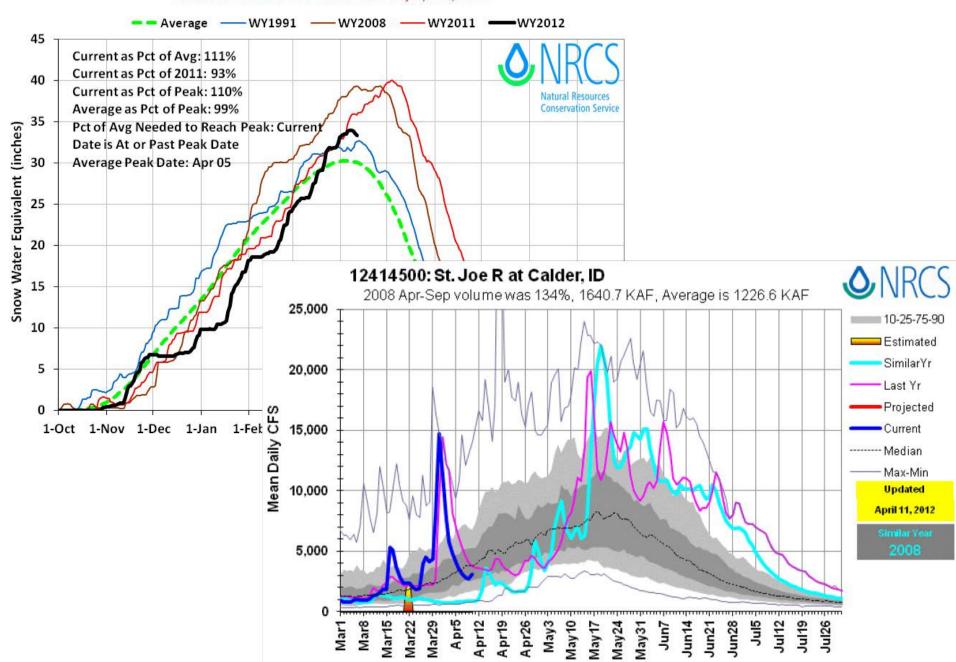




Northern Panhandle Region 2012 Snowpack Comparison Graph (6 sites)

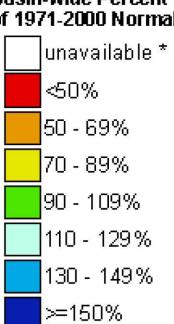


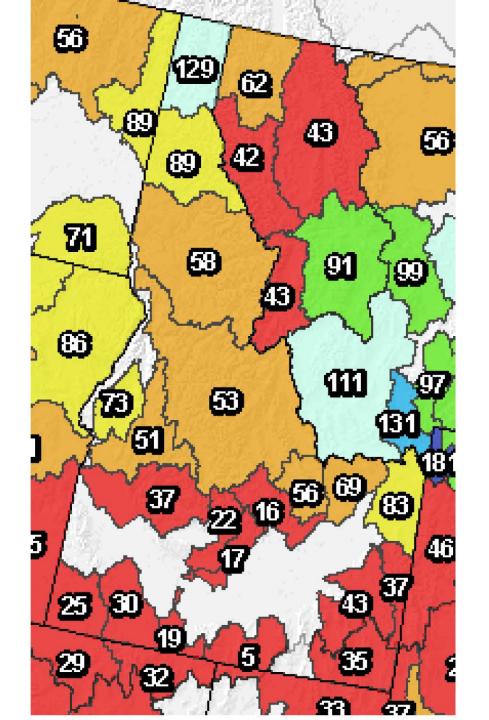
Spokane Basin 2012 Snowpack Comparison Graph (9 sites)



SNOTEL Month to Date Precipitation % of Normal As of April 11, 2012

Current Month to Date Precipitation Basin-wide Percent of 1971-2000 Normal

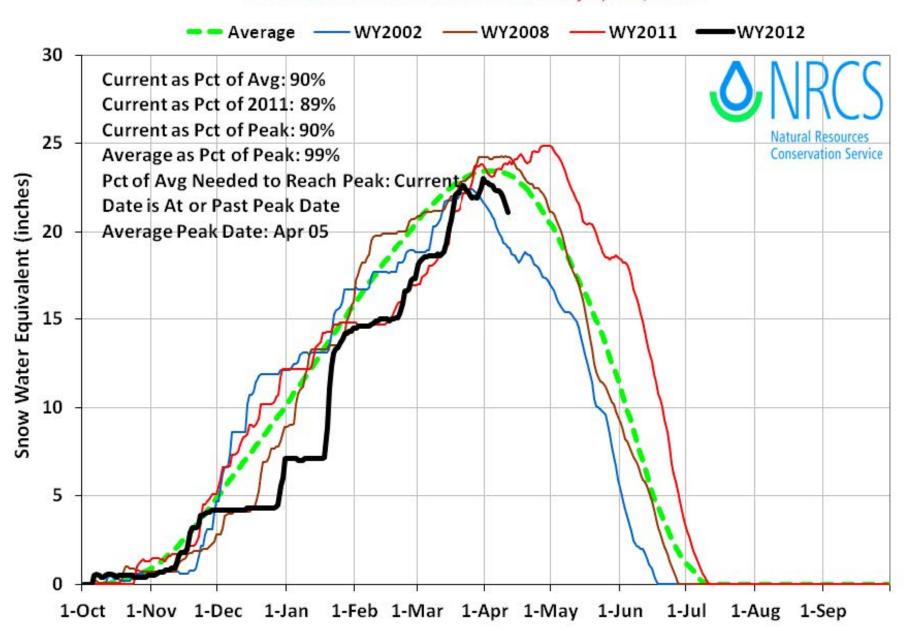




Boise Basin



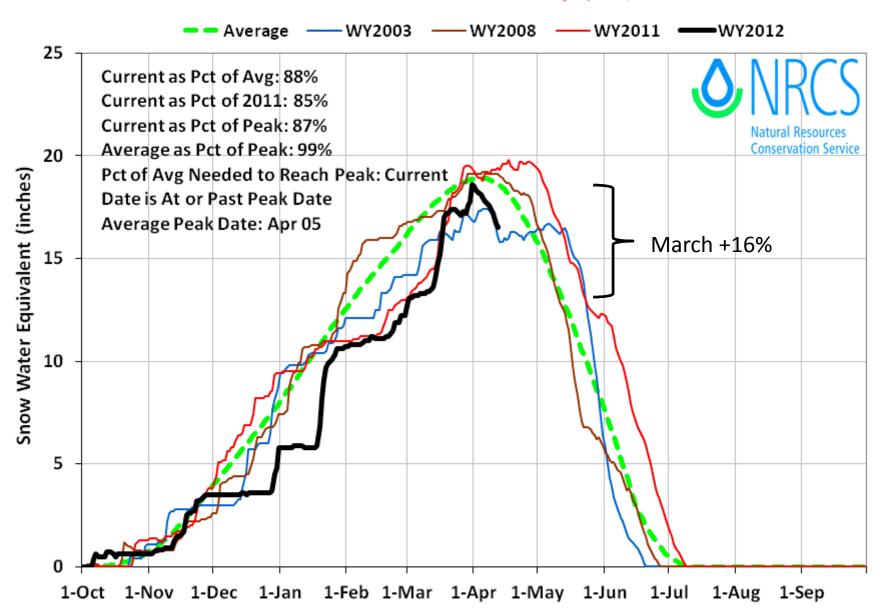
Boise Basin 2012 Snowpack Comparison Graph (10 sites)

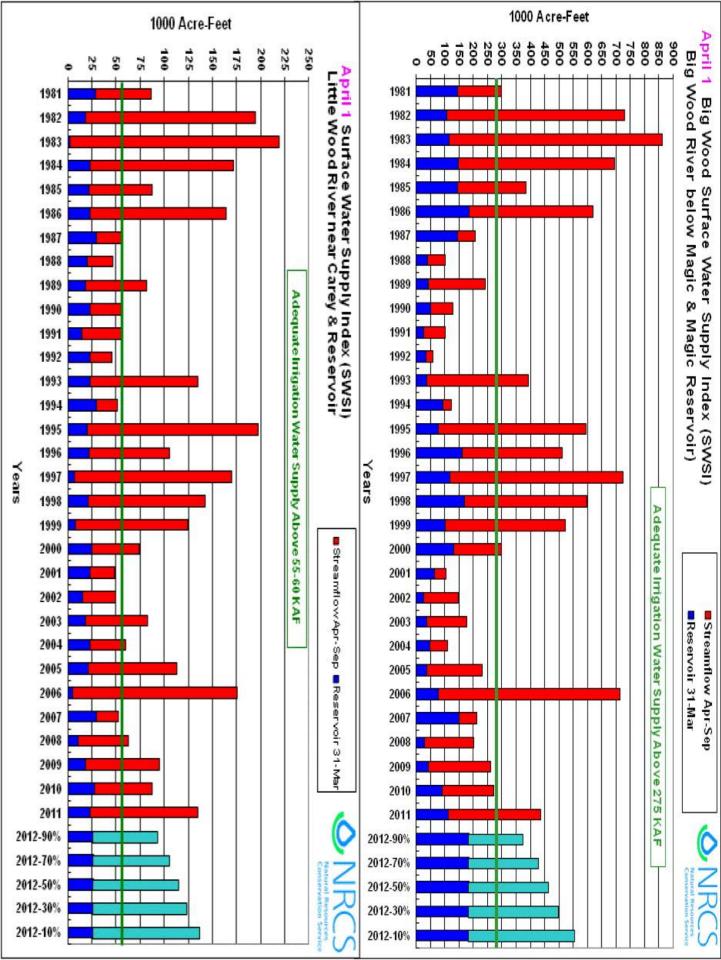


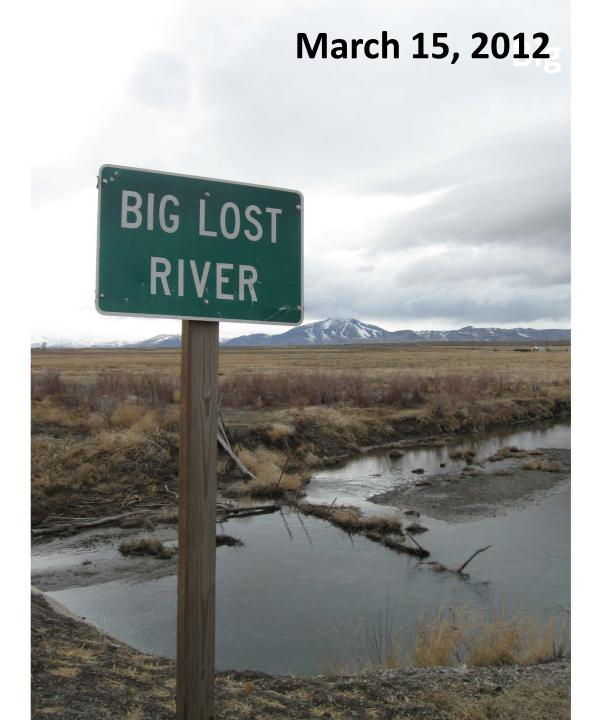




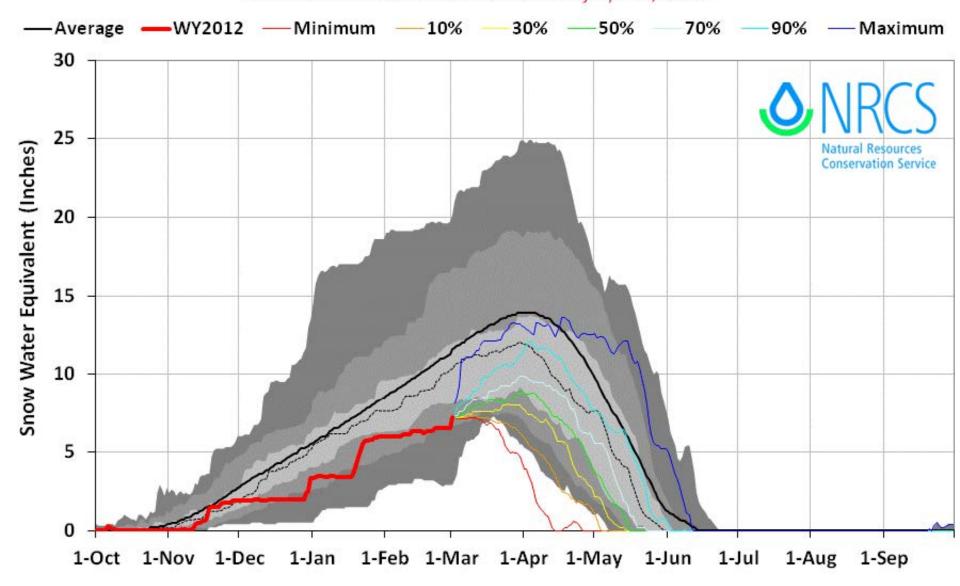
Big Wood Basin 2012 Snowpack Comparison Graph (9 sites)





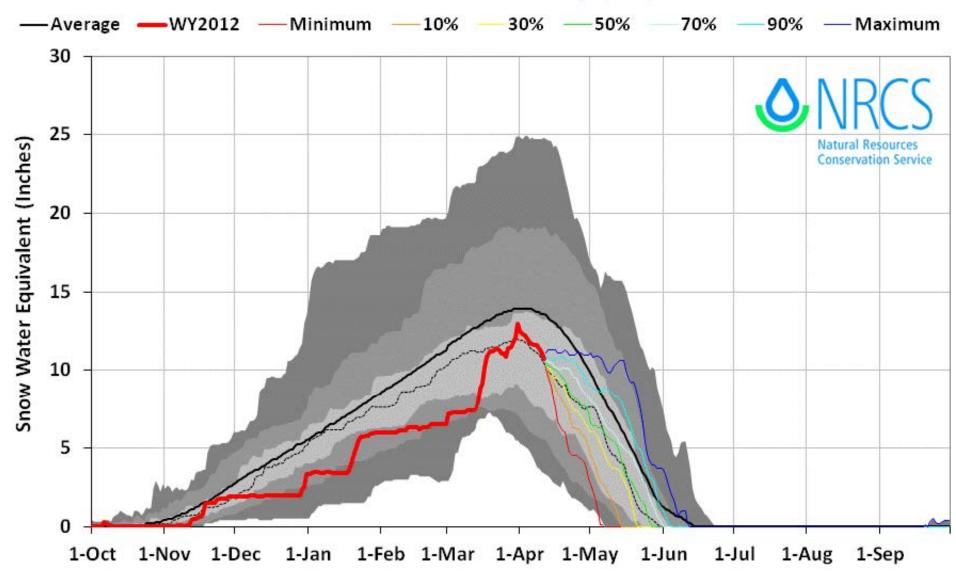


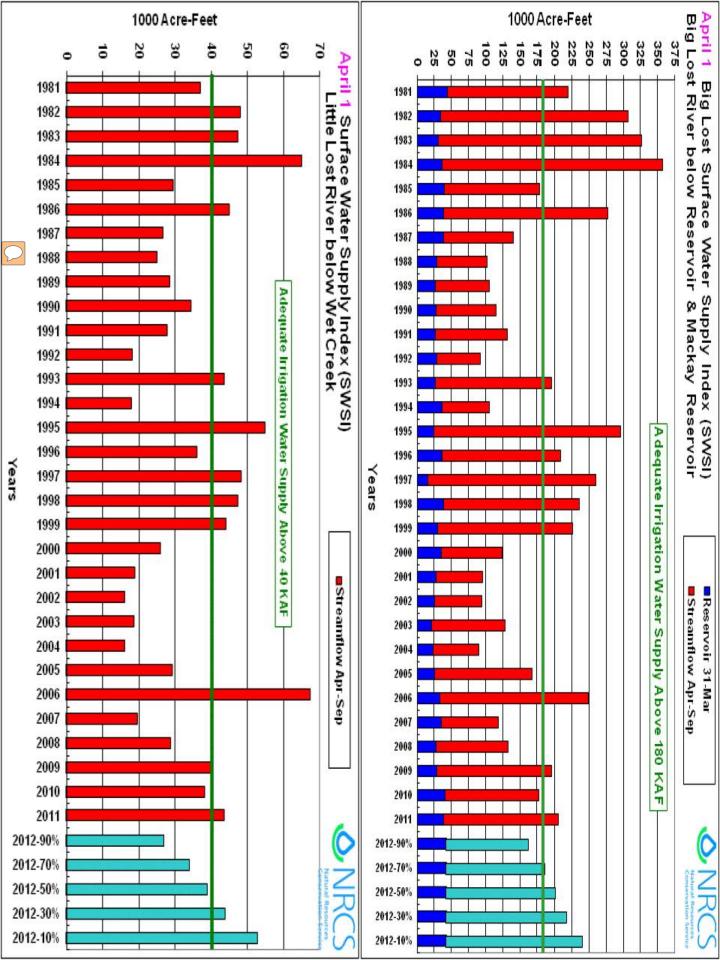
Big Lost Basin 2012 Snow Water with Non-Exceedence Projections (4 sites)

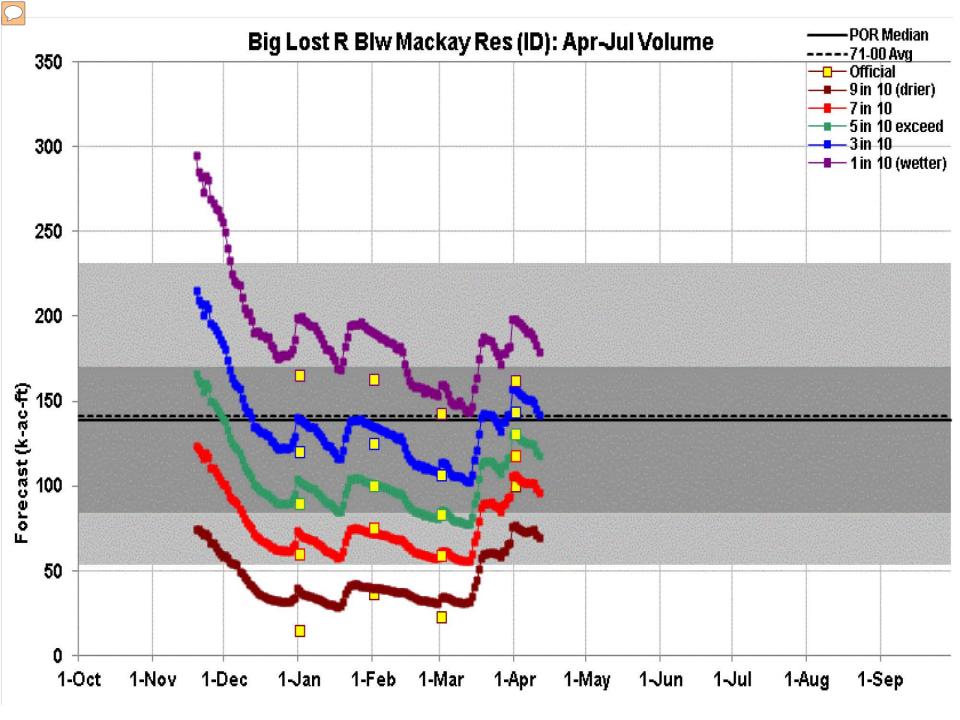




Big Lost Basin 2012 Snow Water with Non-Exceedence Projections (4 sites)



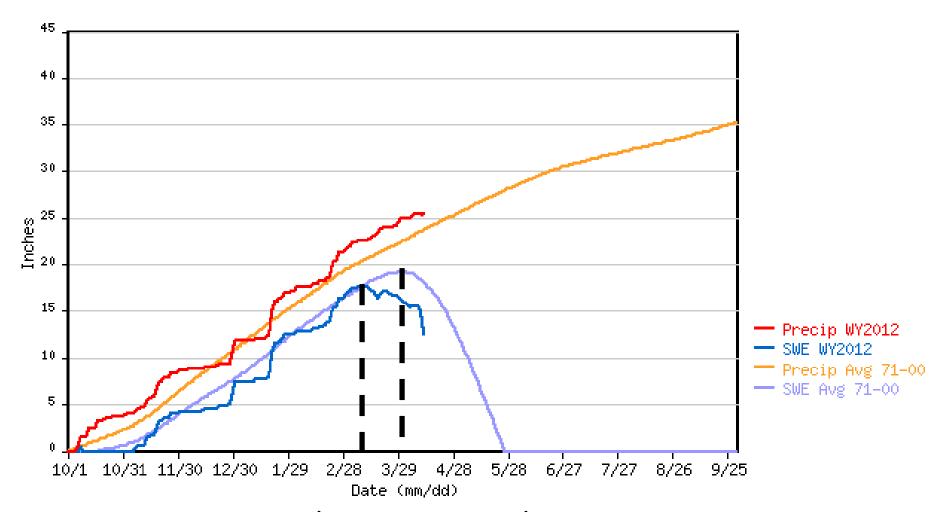






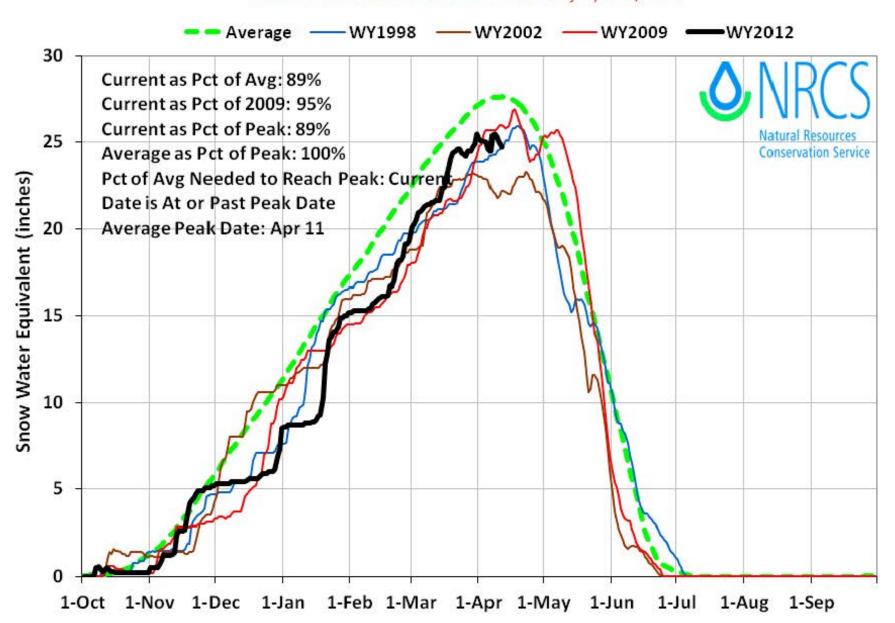


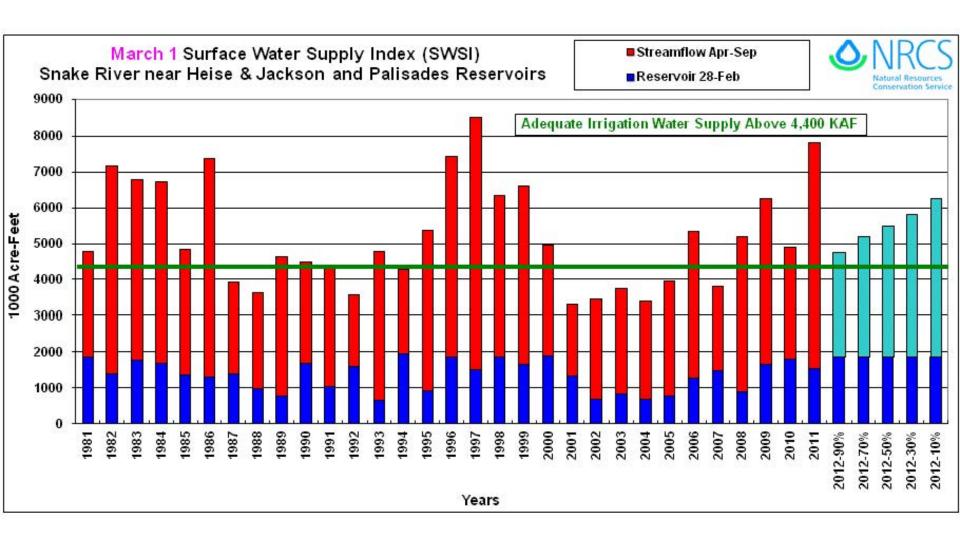
Snake River Station Water Year 2012 6,900ft at Yellowstone South Entrance



Melt starts ~3 weeks ahead of normal

Snake Basin above Palisades 2012 Snowpack Comparison Graph (9 sites)

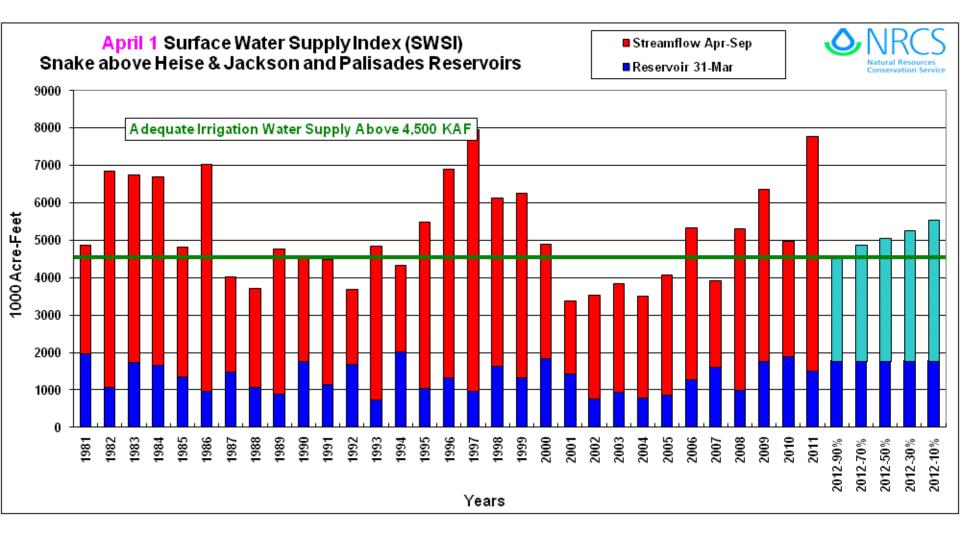




Snake at Heise Apr-Sep 50% forecast

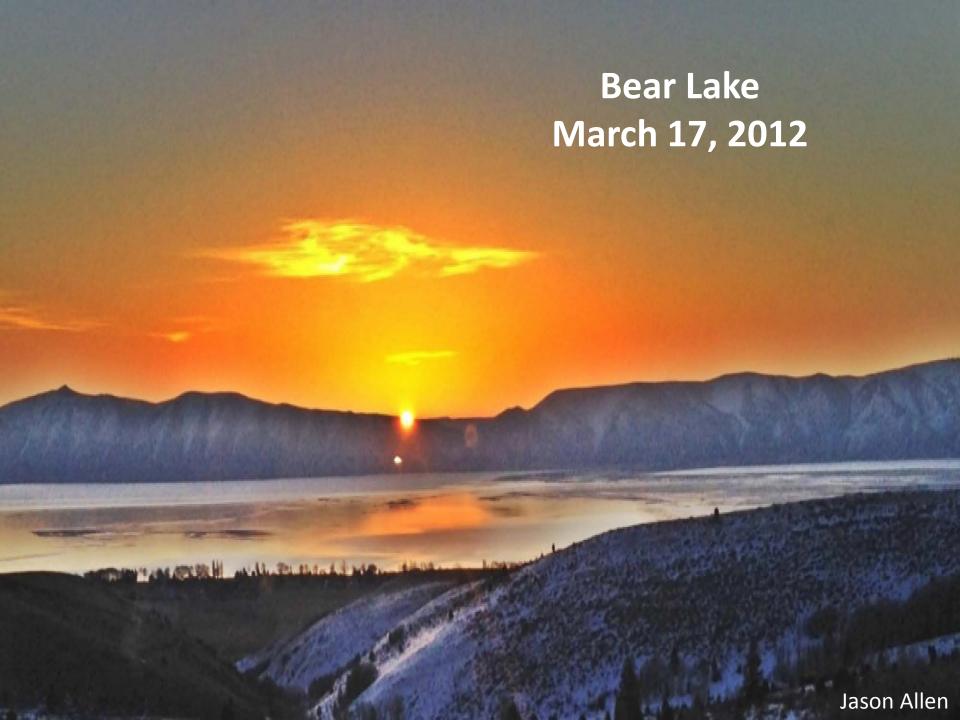
March 1, 2012 3,830 KAF

92%



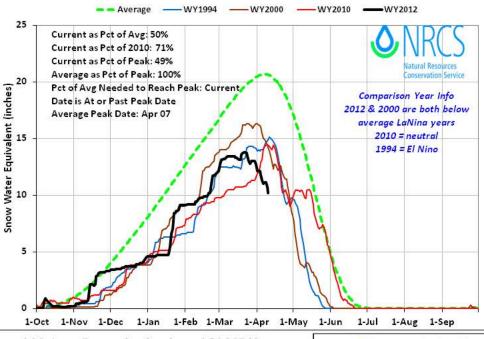
Snake at Heise Apr-Sep 50% Forecast

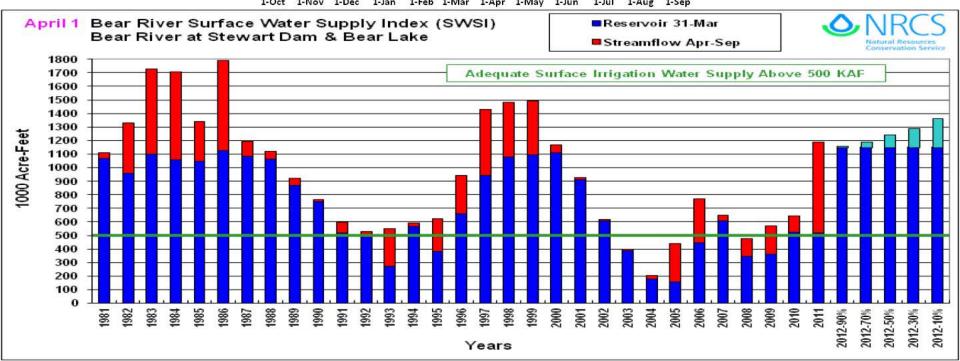
March 1, 2012	3,830 KAF	92%		
April 1, 2012	3,290 KAF	79%		
Difference	540 KAF	-13%		



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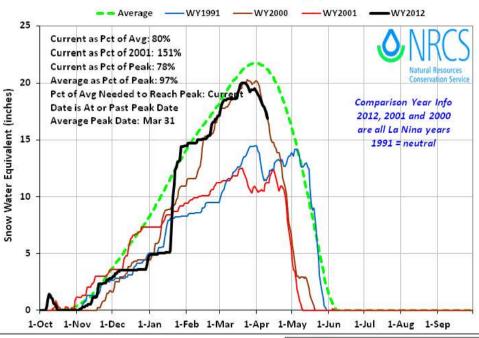
Bear Basin 2012 Snowpack Comparison Graph (15 sites)

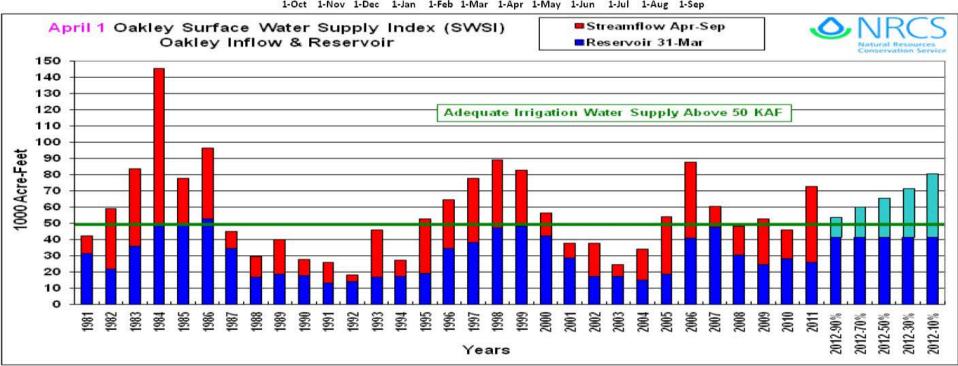






Oakley Basin 2012 Snowpack Comparison Graph (3 sites)

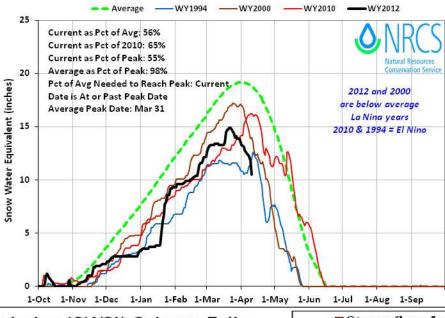


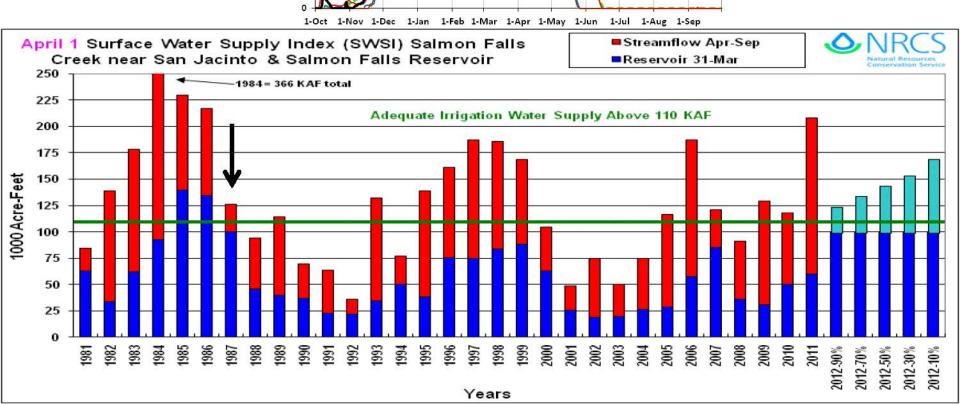




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Salmon Falls Basin 2012 Snowpack Comparison Graph (5 sites)

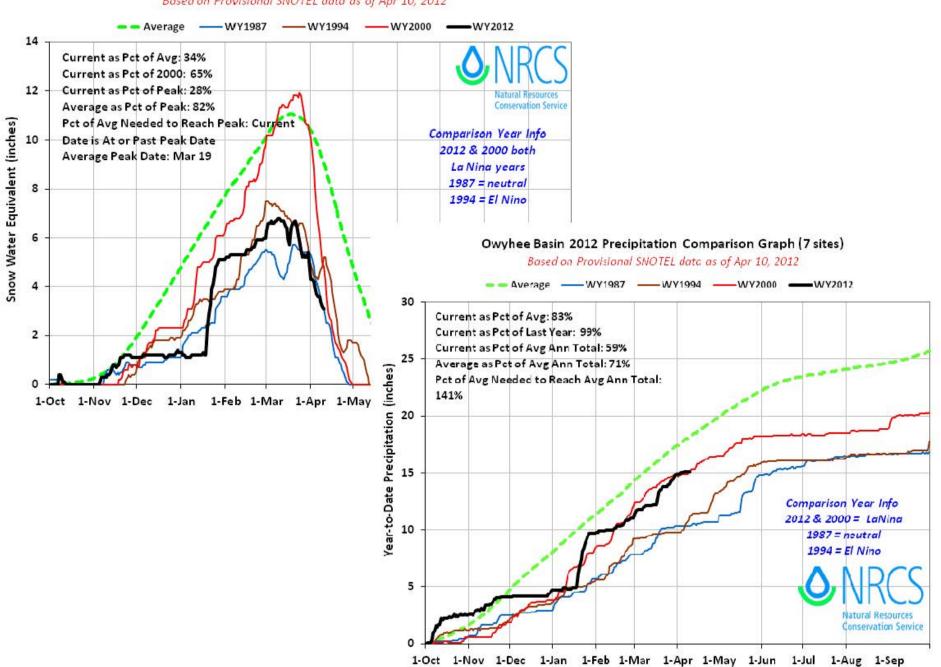






April 3, 2012
Owyhee / Malheur
Aerial Snow Course Flight
Found
17 or 19 markers snow free

Owyhee Basin 2012 Snowpack Comparison Graph (7 sites)



Reservoir Storage as of March 31, 2012 was 624 KAF

BASIN or REGION	SWSI Value	Most Recent Year With Similar SWSI Value	Agricultural Water Supply Shortages Occur When SWSI is Less Than NA		
Northern Panhandle	2.7	2002			
Spokane	2.3	2006	NA		
Clearwater	2.5	2009	NA		
Salmon	0.4	2010 / 1998	NA		
Weiser	0.7	2010	NA		
Payette	0.9	2008	NA		
Boise	1.7	1998 / 1995	-1.8 to -2.1		
Big Wood	1.4	2011	0.6 to 0.0		
Little Wood	1.1	2005	-1.6 to -2.6		
Big Lost	0.9	2011	0.5 to -0.2		
Little Lost 💢	0.9	2010	1.5 to 0.7		
Teton	-0.9	2005	-3.7 to -3.9		
Henrys Fork	0.0	2010	-3.4 to -3.6		
Snake (Heise)	0.6	2010	-1.3 to -1.6		
Oakley	1.7	2011	0.0 to -0.5		
Salmon Falls	1.4	1996	-0.8 to -1.3		
Bruneau	-0.9	2002	NA		
Owyhee	0.1	2005	-3.0 to -3.5		
Bear River	1.7	2011	-3.0 to -3.4		

SWSI SCALE, PERCENT CHANCE OF EXCEEDANCE, AND INTERPRETATION

-4 	-3 	-2 -1	-1 	0 	1		2	3 		4
99%	87%	75 %	63%	50%	37%		25%	13	8	18
Much	Below		Nea	ar Normal		I	Above	ī	Much	ī
Below	Normal	1	Wat	er Supply		1	Normal	1	Above	1