



United States
Department of
Agriculture



Natural Resources
Conservation
Service

Oregon Basin Outlook Report

April 1, 2008



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General Outlook

April 1, 2008

SUMMARY

Warmer than average February temperatures continued into the first two weeks of March as snow at lower elevations began to melt. By the middle of March, the trend reversed, and temperatures in the Pacific Northwest were much colder than normal. The last week of March was one of the coldest for these dates in many years. In addition, a series of wet storms moved through the region during the later part of the month, bringing additional snow to the mountains of Oregon and reversing the melt that had begun at some sites.

SNOWPACK

All basins in the state were reporting abundant snowpacks on April 1. Record snow water was recorded at 21 SNOTEL sites in Oregon on April 1. As of April 1, the Willamette basin had the largest accumulation at 195 percent of normal. Lake County had the least accumulated snow at 114 percent of normal.

PRECIPITATION

Precipitation for the month of March was near normal in Western Oregon and the Umatilla basin yet below normal throughout the rest of state. The total March precipitation ranged from 133 percent of average for the Lower Columbia to 62 percent of average for Lake County. Since the beginning of the water year, precipitation in Oregon has ranged from 121 percent of average in the Lower Columbia to 92 percent of average in Lake County.

RESERVOIRS

The April 1 storage at 27 major Oregon reservoirs analyzed in this publication was 73 percent of normal. A total of 1,819,800 acre feet of water was stored on April 1, an increase of 439,300 acre feet over last month. Last year at this time, these reservoirs stored 2,416,600 acre feet of water.

STREAMFLOW

The cooler March temperatures reduced snow melt across the state. Additionally, the snowpack gained at many sites in the Cascades and Siskiyou since last month. These conditions will contribute to improving summer streamflow condition in snowmelt dominated basins. As of April 1, the majority of points summarized in this report are expected to experience near to above average streamflows this coming spring and summer. The table below summarizes key points in the state.

STREAM	PERIOD	PERCENT OF AVERAGE
Owyhee Net Inflow	April-July	101
Grande Ronde at La Grande	April-September	114
Umatilla at Pendleton	April- September	121
Deschutes at Benham Falls	April- September	100
Willamette MF near Oakridge	April-September	125
Rogue at Raygold	April-September	115
Upper Klamath L. Net Inflow	April-September	100
Silvies near Burns	April- September	141

Some of these forecasts assume that normal weather conditions will occur from now to the end of the forecast period.

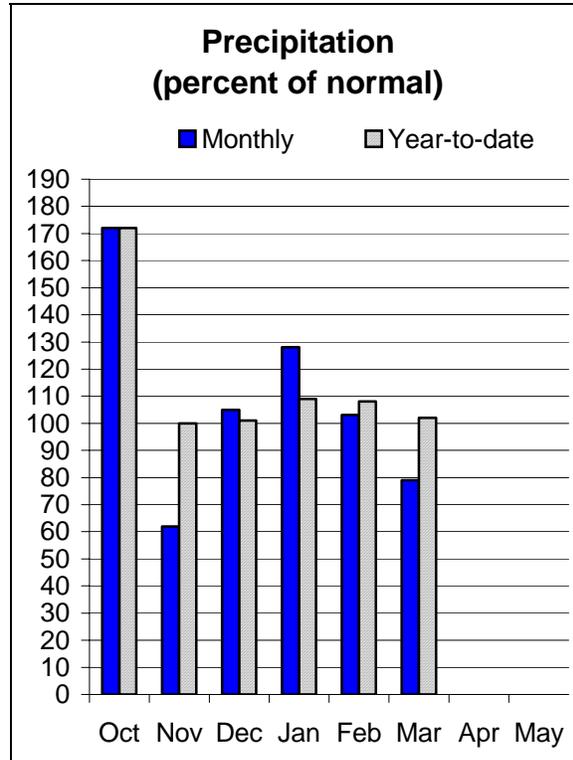
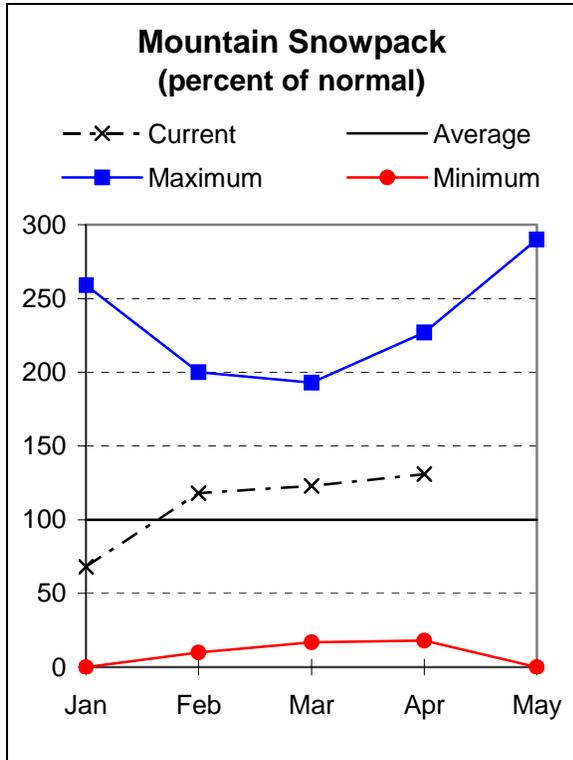
The forecasts in this bulletin are a result of coordinated activity between the Natural Resources Conservation Service and the National Weather Service as an effort to provide the best possible service to water users.

This report contains data furnished by the Oregon Department of Water Resources, U.S. Geological Survey, NOAA National Weather Service and other cooperators.



Owyhee and Malheur Basins

April 1, 2008



Water Supply Outlook

New snow fell at most SNOTEL sites in the Owyhee and Malheur toward the end of March, boosting the total April 1 snowpack to 131 percent of average. March precipitation in the Owyhee and Malheur basin was only 79 percent of average. Total precipitation since the beginning of the water year has been near average.

At the end of March, four reservoirs in the Owyhee and Malheur held only 50 percent of their average end of month storage for March, or 40 percent of their capacity.

The Owyhee and Malheur streamflow forecasts benefited from the colder than normal March temperatures and the subsequent delay in snowmelt. The April through September streamflow forecasts range from 102 percent of average for the Owyhee Reservoir Inflow to 136 percent of average for the Malheur River near Drewsey. Water users in the Owyhee and Malheur basin can expect a near to above average water supply this coming season.

For more information contact your local Natural Resources Conservation Service Office:
Ontario - (541) 889-7637

Or visit: <http://www.wcc.nrcs.usda.gov/cgibin/bor.pl>

OWYHEE AND MALHEUR BASINS
Streamflow Forecasts - April 1, 2008

Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>>						30-Yr Avg. (1000AF)
		90%		50%		10%		
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	
Malheur R nr Drewsey	APR-SEP	65	87	103	136	121	149	76
NF Malheur R at Beulah	APR-JUL	62	74	82	137	91	105	60
	APR-SEP	68	80	89	135	98	113	66
Owyhee Reservoir Inflow (2)	APR-JUL	91	280	405	101	530	720	400
	APR-SEP	128	315	440	102	565	750	430
Owyhee R nr Rome	APR-JUL	210	315	395	104	485	640	380
	APR-SEP	225	330	415	104	510	665	400

OWYHEE AND MALHEUR BASINS
Reservoir Storage (1000 AF) - End of March

OWYHEE AND MALHEUR BASINS
Watershed Snowpack Analysis - April 1, 2008

Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
BEULAH RES	60.0	27.3	47.7	47.2	Owyhee River	20	436	144
BULLY CREEK	30.0	16.4	25.7	24.1	Malheur	9	654	201
OWYHEE	715.0	316.6	577.0	593.0	Jordan Creek	2	240	131
WARMSPRINGS	191.0	37.7	129.7	133.5	Bully Creek	2	0	408

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

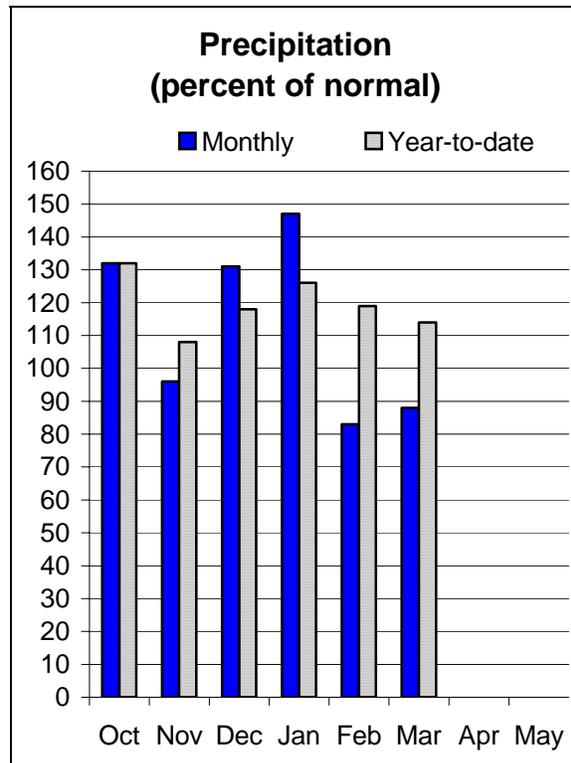
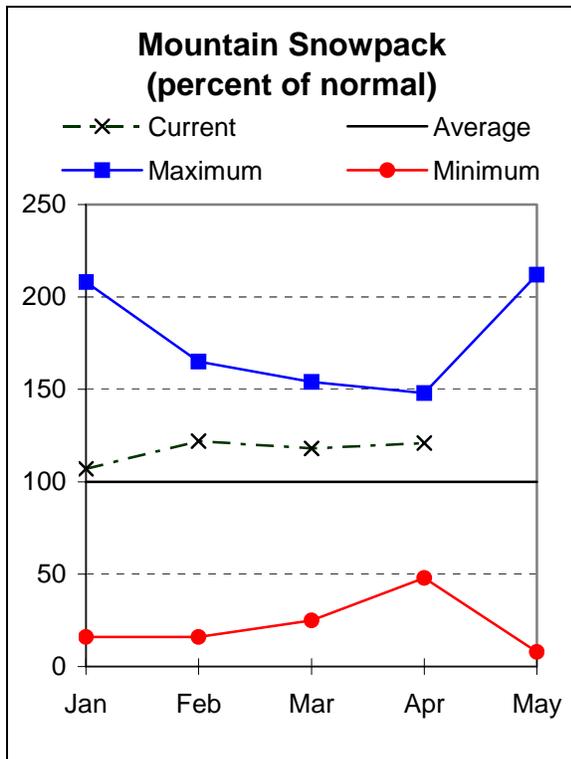
The average is computed for the 1971-2000 base period.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.



Burnt, Powder, Grand Ronde, and Imnaha Basins

April 1, 2008



Water Supply Outlook

A delay in snow melt combined with new snow to increase the snowpack in the Burnt, Powder, Pine, Grand Ronde and Imnaha basins since the March 1 report. The April 1 snowpack measured 121 percent of average. Precipitation in the Burnt, Powder, Pine, Grand Ronde and Imnaha basin was 88 percent of average for the month of March. Since the beginning of the water year, precipitation in the basin has been 114 percent of average.

At the end of March, three of the irrigation reservoirs in the basin held only 50 percent of their average end of month storage for March, or 39 percent of their capacity.

The April through September streamflow forecasts range from 106 percent of average for Catherine Creek near Union to 128 percent of average for the Burnt River near Hereford. Elsewhere in the basin, the April through September forecast for the Grande Ronde at LaGrande is 114 percent of average. Water users in the basin can expect a near to above average water supply this coming season.

For more information contact your local Natural Resources Conservation Service Office:
 Enterprise- (541) 426-4588; Baker City - (541) 523-7121; LaGrande - (541) 963-4178
 Or visit: <http://www.wcc.nrcs.usda.gov/cgibin/bor.pl>

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BURNT, POWDER, PINE, GRANDE RONDE AND IMNAHA BASINS
Streamflow Forecasts - April 1, 2008

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Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>>					30-Yr Avg. (1000AF)	
		90% (1000AF)	70% (1000AF)	Chance Of Exceeding * 50% (1000AF) (% AVG.)		30% (1000AF)		10% (1000AF)
Bear Ck nr Wallowa	APR-SEP	56	66	72	111	78	88	65
Burnt R nr Hereford	APR-SEP	34	43	50	128	57	69	39
Catherine Ck nr Union	APR-JUL	51	60	66	107	72	82	62
	APR-SEP	55	64	70	106	77	87	66
Deer Ck nr Sumpter	APR-JUL	14.2	17.6	20	130	23	27	15.4
Grande Ronde R at La Grande	APR-SEP	147	186	215	114	245	295	188
Grande Ronde R at Troy	APR-SEP	1210	1460	1580	115	1700	1950	1370
Imnaha R at Imnaha	APR-JUL	250	290	320	119	350	390	270
	APR-SEP	270	315	345	117	375	420	295
Lostine R nr Lostine	APR-JUL	103	114	123	110	132	145	112
	APR-SEP	110	124	133	110	143	158	121
Pine Ck nr Oxbow	APR-JUL	123	148	165	112	182	205	148
	APR-SEP	130	155	172	112	189	215	154
Powder R nr Sumpter	APR-JUL	52	61	68	117	75	86	58
	APR-SEP	53	63	70	119	77	89	59
Wolf Creek Reservoir Inflow (2)	APR-JUN	11.5	14.8	17.0	115	19.2	23	14.8

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The average is computed for the 1971-2000 base period.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.

BURNT, POWDER, PINE, GRANDE RONDE AND IMNAHA BASINS Reservoir Storage (1000 AF) - End of March					BURNT, POWDER, PINE, GRANDE RONDE AND IMNAHA BASINS Watershed Snowpack Analysis - April 1, 2008			
Reservoir	Usable Capacity	*** Usable Storage This Year	Last Year	*** Avg	Watershed	Number of Data Sites	This Year as % of Last Yr	% of Average
PHILLIPS LAKE	73.5	16.3	45.3	50.8	Grande Ronde ab LaGrande	6	256	144
THIEF VALLEY	17.4	13.6	13.5	17.9	Powder River	10	277	133
UNITY	25.2	15.4	23.1	21.1	Wallowa,Imnaha,Catherine	11	166	113
WALLOWA LAKE	37.5	9.1	12.8	19.6	Burnt River	6	393	157
WOLF CREEK	10.4	1.6	4.5	5.8				

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

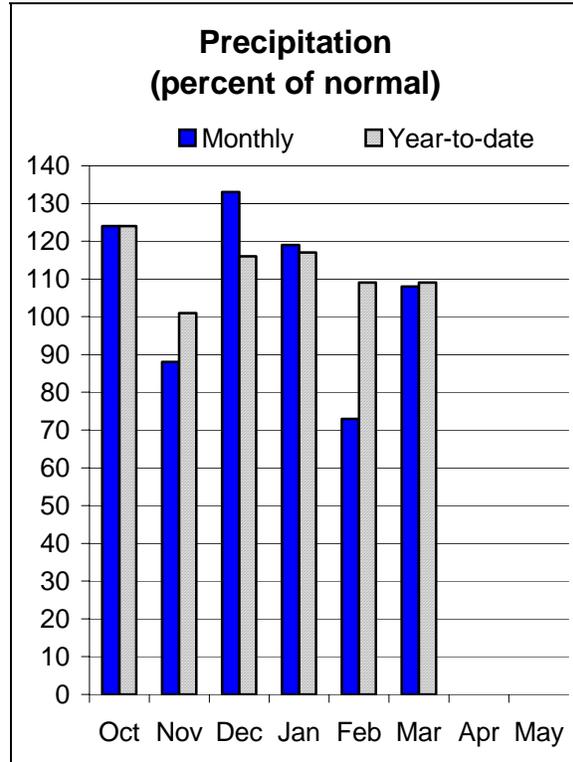
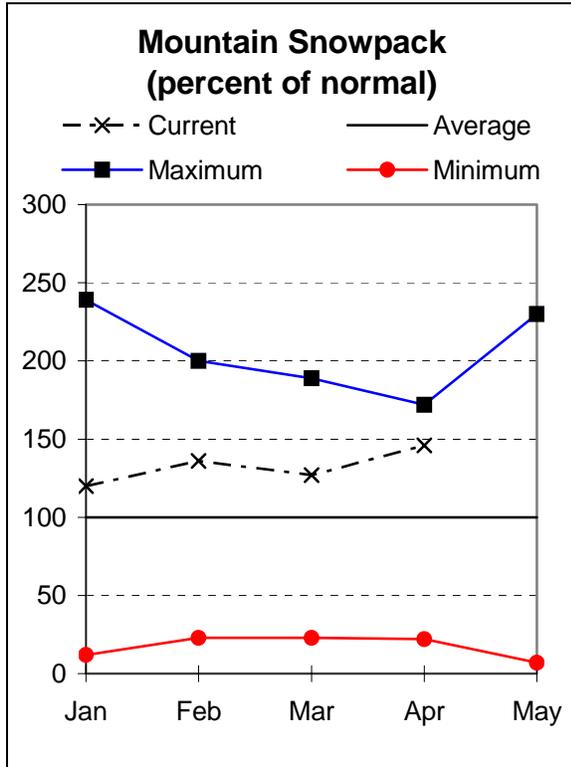
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- (2) - The value is natural volume - actual volume may be affected by upstream water management.



Umatilla, Walla Walla, Willow Rock, and Lower John Day Basins

April 1, 2008



Water Supply Outlook

Colder than normal temperatures delayed snow melt and combined with end of month precipitation to improve snowpack conditions in the basin during March. Total snowpack for the Umatilla, Walla Walla, Willow, Rock and Lower John Day basins on April 1 was 146 percent of average. March precipitation was 108 percent of average. Since the beginning of the water year, precipitation has been 109 percent of average in the basin.

At the end of March, Cold Springs and McKay reservoirs held 70 percent of their average storage, or 54 percent of capacity.

April through September streamflow forecasts in the basin range from 105 percent of average for Butter Creek near Pine City to 121 percent of average for the Umatilla River at Pendleton. Elsewhere in the basin, the April through September forecast for the McKay Creek near Pilot Rock is 111 percent of average. Water users in the basin can expect near to above average water supply this coming season.

For more information contact your local Natural Resources Conservation Service Office:
 Pendleton - (541) 278-8049; Heppner - (541) 676-5021; Condon - (541) 384-2671
 Or visit: <http://www.wcc.nrcs.usda.gov/cgibin/bor.pl>

UMATILLA, WALLA WALLA, WILLOW, ROCK AND LOWER JOHN DAY BASINS
Streamflow Forecasts - April 1, 2008

Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>>				30-Yr Avg. (1000AF)		
		90% (1000AF)	70% (1000AF)	Chance Of Exceeding * 50% (1000AF) (% AVG.)			30% (1000AF)	10% (1000AF)
Butter Ck nr Pine City	APR-JUL	6.2	8.6	10.2	109	11.8	14.2	9.4
	APR-SEP	6.7	9.1	10.7	105	12.3	14.7	10.2
McKay Ck nr Pilot Rock	APR-SEP	13.0	23	30	111	37	47	27
Rhea Ck nr Heppner	APR-JUL	3.6	6.3	8.1	133	9.9	12.6	6.1
	APR-SEP	71	84	93	118	102	115	79
Umatilla R ab Meacham Ck nr Gibbon	APR-JUL	65	78	87	119	96	109	73
	APR-SEP	137	167	188	121	210	240	155
Umatilla R at Pendleton	APR-JUL	131	161	181	122	200	230	149
	APR-SEP	64	71	76	113	81	88	67
SF Walla Walla R nr Milton-Freewater	APR-SEP	3.7	6.0	7.6	103	9.2	11.5	7.4

UMATILLA, WALLA WALLA, WILLOW, ROCK AND LOWER JOHN DAY BASINS
Reservoir Storage (1000 AF) - End of March

UMATILLA, WALLA WALLA, WILLOW, ROCK AND LOWER JOHN DAY BASINS
Watershed Snowpack Analysis - April 1, 2008

Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
COLD SPRINGS	50.0	26.4	35.9	40.1	Walla Walla River	3	187	148
MCKAY	73.8	41.0	52.2	56.6	Umatilla River	7	259	145
WILLOW CREEK	1.8	1.5	1.6	---	McKay Creek	4	0	167

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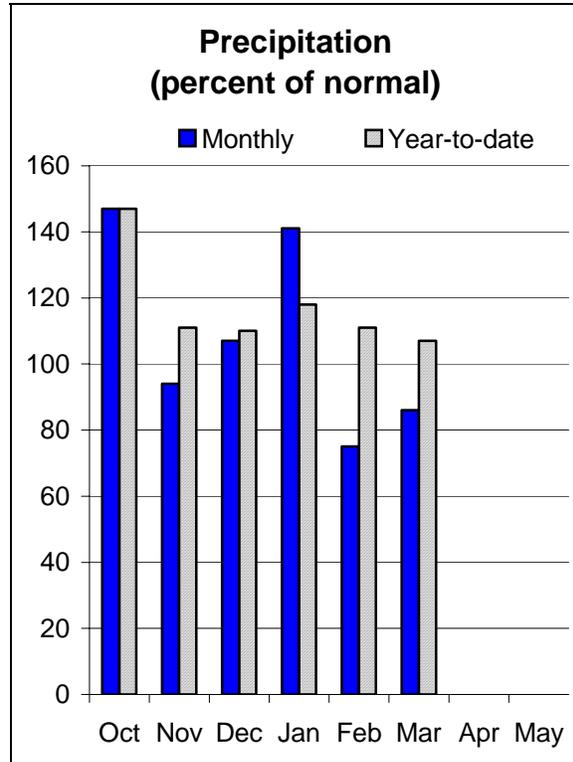
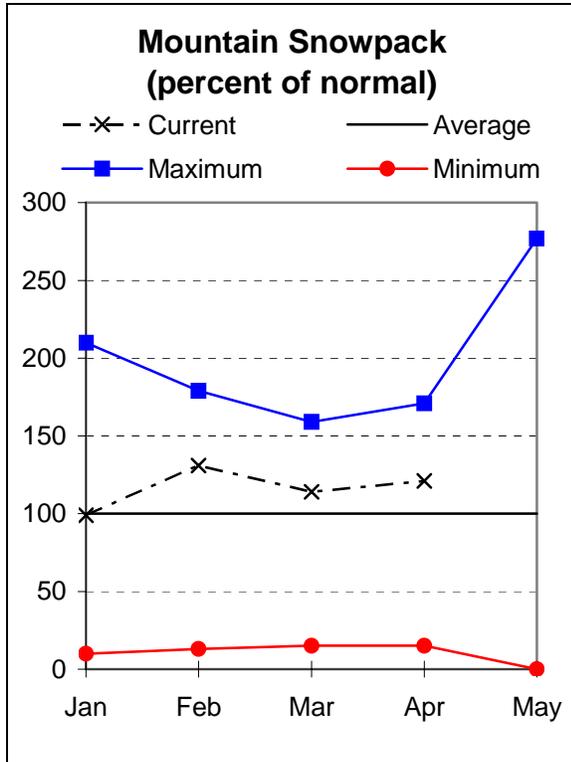
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Upper John Day Basin

April 1, 2008



Water Supply Outlook

New snow increased the snowpack at many sites in the Upper John Day basin since the March report. The April 1 snowpack in the Upper John Day measured 121 percent of average. March precipitation was 86 percent of average in the basin. Since the beginning of the water year, precipitation in the Upper John Day has been 107 percent of average.

The April through September streamflow forecasts range from 103 percent of average for Camas Creek near Ukiah to 121 percent of average for the Middle Fork of the John Day at Ritter. Elsewhere in the basin, the April through September forecast for the North Fork John Day near Monument is 119 percent of average. Water users in the Upper John Day can expect near to above average water supplies this coming season.

For more information contact your local Natural Resources Conservation Service Office:
John Day - (541) 575-0135

Or visit: <http://www.wcc.nrcs.usda.gov/cgibin/bor.pl>

UPPER JOHN DAY BASIN
Streamflow Forecasts - April 1, 2008

Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>>					30-Yr Avg. (1000AF)	
		90%		50%		10%		
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)		(1000AF)
Camas Ck nr Ukiah	APR-JUL	26	33	38	103	43	50	37
	APR-SEP	27	34	39	103	44	51	38
MF John Day R at Ritter	APR-JUL	109	133	149	121	165	189	123
	APR-SEP	114	138	155	121	172	196	128
NF John Day R at Monument	APR-JUL	540	640	710	119	780	880	595
	APR-SEP	555	660	730	119	800	905	615
Mountain Ck nr Mitchell	APR-JUL	2.9	4.0	4.8	107	5.6	6.7	4.5
	APR-SEP	3.0	4.1	4.9	106	5.7	6.8	4.6
Strawberry Ck nr Prairie City	APR-JUL	6.1	7.6	8.6	121	9.6	11.1	7.1
	APR-SEP	6.8	8.4	9.4	121	10.4	12.0	7.8

UPPER JOHN DAY BASIN
Reservoir Storage (1000 AF) - End of March

UPPER JOHN DAY BASIN
Watershed Snowpack Analysis - April 1, 2008

Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
					John Day, North Fork	8	256	125
					John Day above Dayville	4	233	119

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

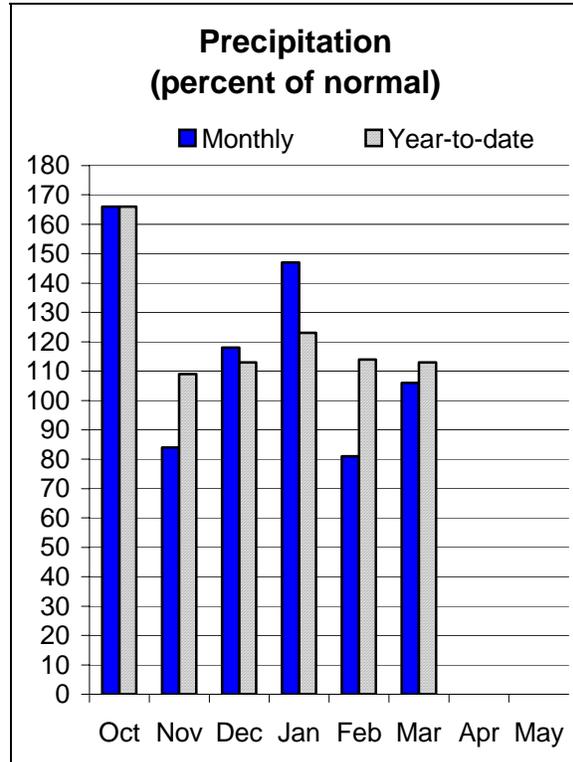
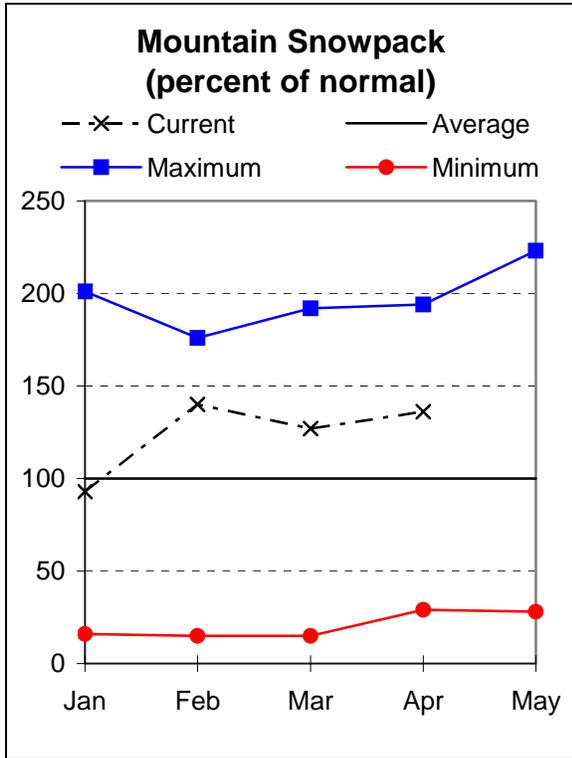
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Upper Deschutes and Crooked Basins

April 1, 2008



Water Supply Outlook

Colder than normal temperatures delayed snow melt and combined with end of month precipitation to improve snowpack conditions in the Upper Deschutes and Crooked River basin during March. The April 1 snowpack measured 136 percent of average. Precipitation in the Upper Deschutes and Crooked River basin was 106 percent of average for the month of March. Since the beginning of the water year, precipitation in the basin has been 113 percent of average.

Reservoir storage in the Upper Deschutes and Crooked River basin was 98 percent of average at the end of March or 81 percent of capacity.

The April through September streamflow forecasts range from near average for Deschutes River at Benham Falls near Bend to 122 percent of average for Crane Prairie Reservoir Inflow. Elsewhere in the basin, the April through September forecast for the Prineville Reservoir Inflow is forecast to be 113 percent of average. Water users in the Upper Deschutes and Crooked River basin can expect near to above average water supplies this coming season.

For more information contact your local Natural Resources Conservation Service Office:
Redmond (541) 923-4358

Or visit: <http://www.wcc.nrcs.usda.gov/cgibin/bor.pl>

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UPPER DESCHUTES AND CROOKED BASINS
Streamflow Forecasts - April 1, 2008

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Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>>				30-Yr Avg. (1000AF)		
		===== Chance Of Exceeding * =====						
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)		30% (1000AF)	10% (1000AF)
Crane Prairie Reservoir Inflow (2)	APR-JUL	58	66	72	122	78	86	59
	APR-SEP	96	106	113	122	120	130	93
Crescent Ck nr Crescent (2)	APR-JUL	11.8	15.8	18.5	108	21	25	17.2
	APR-SEP	16.5	20	23	110	26	29	21
Deschutes R at Benham Falls nr Bend	APR-JUL	330	340	350	100	360	370	350
	APR-SEP	500	515	525	100	535	550	525
Deschutes R bl Snow Ck nr La Pine	APR-JUL	24	31	35	106	39	46	33
	APR-SEP	50	58	63	107	68	76	59
Little Deschutes R nr La Pine (2)	APR-JUL	69	77	82	116	87	95	71
	APR-SEP	79	87	93	116	99	107	80
Ochoco Reservoir Inflow (2)	APR-JUL	14.2	21	25	114	29	36	22
	APR-SEP	14.5	21	25	114	29	36	22
Prineville Reservoir Inflow (2)	APR-JUL	67	100	122	113	144	177	108
	APR-SEP	67	100	123	113	146	179	109
Whychus Ck nr Sisters	APR-JUL	36	38	40	111	42	44	36
	APR-SEP	49	52	54	110	56	59	49

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UPPER DESCHUTES AND CROOKED BASINS
Reservoir Storage (1000 AF) - End of March

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UPPER DESCHUTES AND CROOKED BASINS
Watershed Snowpack Analysis - April 1, 2008

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Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
CRANE PRAIRIE	55.3	46.6	52.7	43.9	Crooked, Ochoco	4	280	120
CRESCENT LAKE	86.9	49.5	46.4	53.5	Deschutes above Wickiup	3	185	153
OCHOCO	47.5	31.8	41.9	32.6	Little Deschutes	4	186	153
PRINEVILLE	153.0	116.9	145.0	132.9	Tumalo and Squaw Creeks	4	166	125
WICKIUP	200.0	197.2	199.8	189.7				

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed volumes in the table.

The average is computed for the 1971-2000 base period.

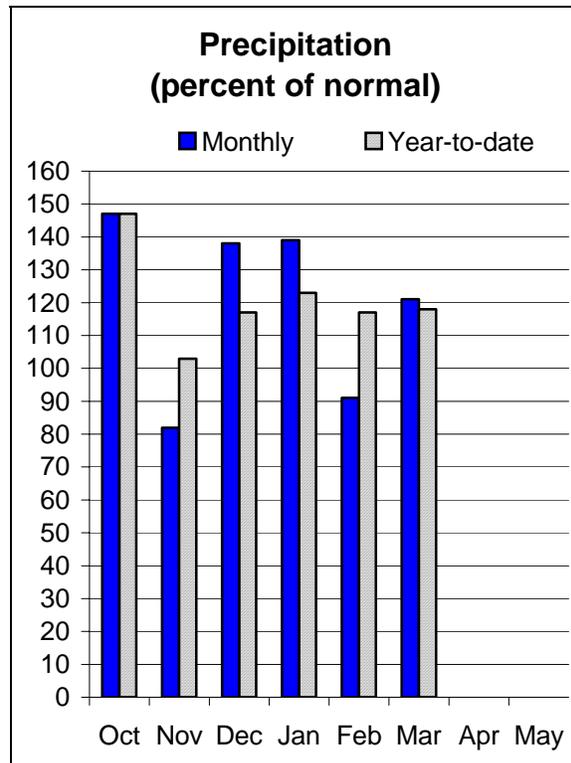
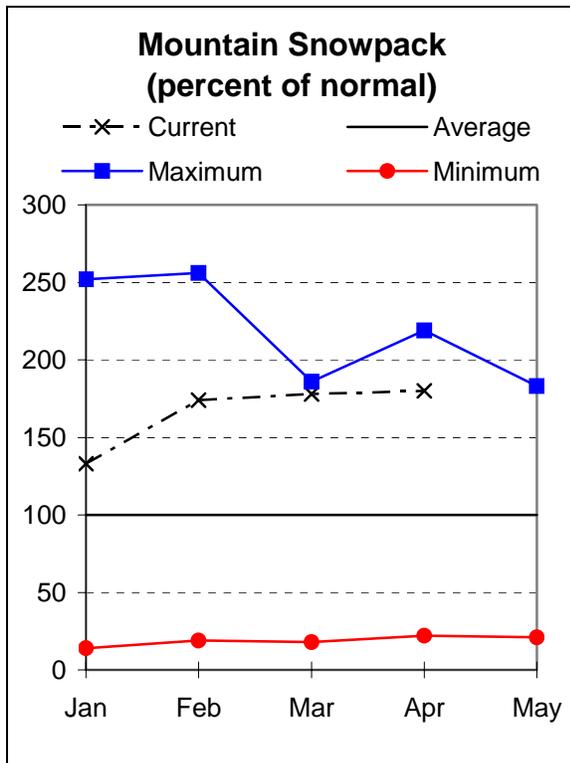
(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

(2) - The value is natural volume - actual volume may be affected by upstream water management.



Hood, Mile Creeks, and Lower Deschutes Basins

April 1, 2008



Water Supply Outlook

Late season snow storms continue to add to the snowpack in the Hood, Mile Creeks and Lower Deschutes basin. The April 1 snowpack was 180 percent of average. New records were set for snow water at 4 SNOTEL sites in the basin on April 1. Precipitation for the month of March was 121 percent of average. Since the beginning of the water year, precipitation in the basin has been 118 percent of average.

The April through September streamflow forecast for the Hood River at Tucker Bridge is 140 percent of average. Water users in the Hood River, Mile Creeks and Lower Deschutes basin can expect an above average water supply this coming season.

For more information contact your local Natural Resources Conservation Service Office:
The Dalles (541) 296-6178

Or visit: <http://www.wcc.nrcs.usda.gov/cgibin/bor.pl>

HOOD, MILE CREEKS AND LOWER DESCHUTES BASINS
Streamflow Forecasts - April 1, 2008

Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>>					30-Yr Avg. (1000AF)					
		90%		70%		50%		30%		10%		
		(1000AF)	(1000AF)	(1000AF)	(1000AF)	(% AVG.)		(1000AF)	(1000AF)	(1000AF)	(1000AF)	(1000AF)
Hood R at Tucker Bridge	APR-JUL	280	305	320	140	335	360	228				
	APR-SEP	330	360	380	140	400	430	271				

HOOD, MILE CREEKS AND LOWER DESCHUTES BASINS
Reservoir Storage (1000 AF) - End of March

HOOD, MILE CREEKS AND LOWER DESCHUTES BASINS
Watershed Snowpack Analysis - April 1, 2008

Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of Last Yr	% of Average
		This Year	Last Year	Avg				
CLEAR LAKE (WASCO)	11.9	1.5	4.8	4.5	Hood River	7	214	175
					Mile Creeks	1	0	248
					White River	3	198	161

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

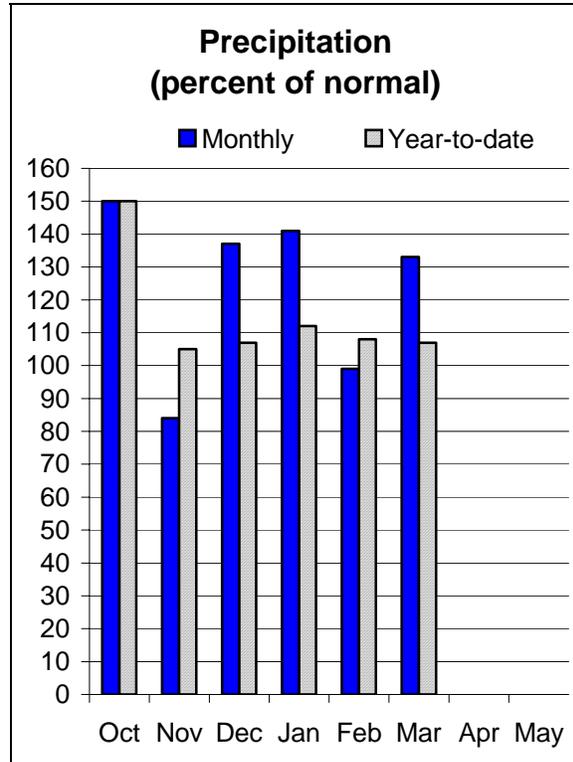
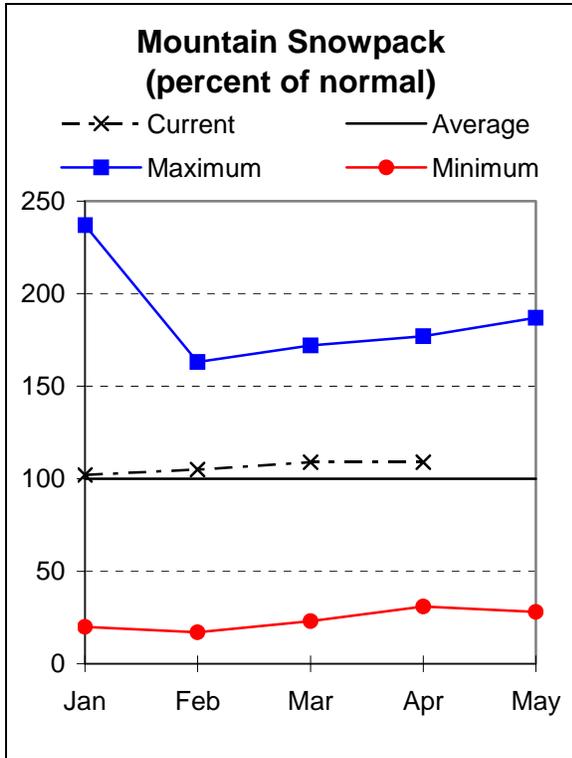
The average is computed for the 1971-2000 base period.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.



Lower Columbia Basin

April 1, 2008



Water Supply Outlook

The April 1 snowpack for the Columbia above The Dalles measured 109 percent of average. New records were set for snow water at 3 Oregon SNOTEL sites in the Lower Columbia on April 1. Precipitation in the Oregon portion of the Lower Columbia was 133 percent of average for the month of March. Since the beginning of the water year, precipitation the Columbia basin above The Dalles has been 107 percent of average.

The April through September streamflow forecasts range from near average for The Columbia River at The Dalles to 131 percent of average for the Sandy near Marmot. Water users in the Lower Columbia and Sandy basin can expect a near to above average water supply this coming season.

For more information contact your local Natural Resources Conservation Service Office:
Oregon City - (503) 656-3499

Or visit: <http://www.wcc.nrcs.usda.gov/cgibin/bor.pl>

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LOWER COLUMBIA BASIN
Streamflow Forecasts - April 1, 2008

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Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>>					30-Yr Avg. (1000AF)			
		90%		70%		50%		30%		10%
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)			(1000AF)	(1000AF)	
Columbia R at The Dalles (1,2)	APR-JUL	75200	83300	87000	103	90700	98800	84600		
	APR-SEP	86400	95700	100000	101	104000	114000	98600		
Sandy R nr Marmot	APR-JUL	365	390	410	131	430	455	313		
	APR-SEP	425	455	475	131	495	525	363		

LOWER COLUMBIA BASIN Reservoir Storage (1000 AF) - End of March					LOWER COLUMBIA BASIN Watershed Snowpack Analysis - April 1, 2008			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
					Sandy River	4	232	183

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

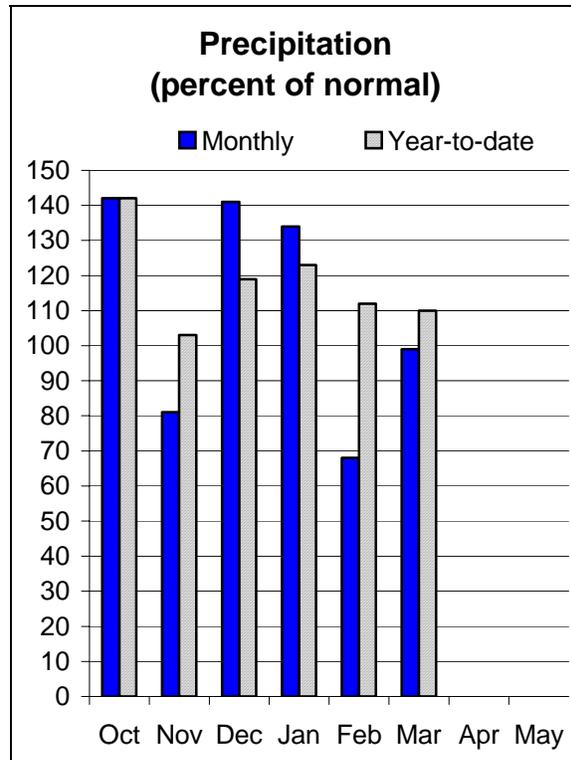
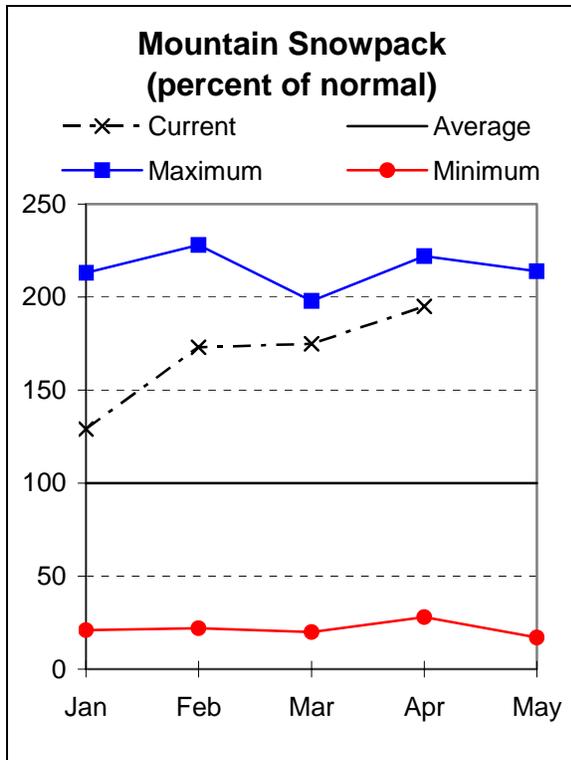
The average is computed for the 1971-2000 base period.

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Willamette Basin

April 1, 2008



Water Supply Outlook

A series of wet and cold storms from the middle to the end of March increased an already abundant snowpack in the Willamette basin. Total snowpack for the Willamette basin on April 1 was 195 percent of average, the highest in the state. New records were set for snow water at 10 SNOTEL sites in the basin on April 1. March precipitation in the Willamette basin was 99 percent of average, bringing the precipitation total since the beginning of the water year to 110 percent of average.

Reservoir storage at Timothy and Henry Hagg Lakes in the Willamette basin was 93 percent of average at the end of March or 82 percent of capacity.

The April through September streamflow forecasts range from 114 percent of average for Fern Ridge reservoir inflow to 135 percent of average for the Clackamas River above Three Lynx. Elsewhere in the basin, the April through September forecast for the Willamette at Salem is 118 percent of average. For Detroit Lake Inflow, the April through September forecast is 135 percent of average. Water users in the Willamette basin can expect above average water supplies this coming season.

For more information contact your local Natural Resources Conservation Service Office:

Eugene - (541) 465-6436; Portland - (503) 231-2270; Tangent - (541) 967-5925; Oregon City - (503) 656-3499;

Hillsboro - (503) 648-3174; McMinnville - (503) 472-1474

Salem - (503) 399-5746; Dallas - (503) 623-5534

Or visit: <http://www.wcc.nrcs.usda.gov/cgibin/bor.pl>

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WILLAMETTE BASIN
Streamflow Forecasts - April 1, 2008

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Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>>					30-Yr Avg. (1000AF)	
		=====		Chance Of Exceeding *		=====		
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
Blue River Lake Inflow (1,2)	APR-MAY	59	77	85	127	93	111	67
	APR-SEP	69	91	101	117	111	133	86
Clackamas R at Estacada (2)	APR-JUL	730	810	865	135	920	1000	640
	APR-SEP	860	940	1000	134	1060	1140	748
Clackamas R ab Three Lynx (2)	APR-JUL	550	605	640	135	675	730	474
	APR-SEP	665	720	760	135	800	855	562
Cottage Grove Lake Inflow (1,2)	APR-MAY	25	37	43	130	49	61	33
	APR-SEP	32	48	55	128	62	78	43
Cougar Lake Inflow (1,2)	APR-MAY	137	163	175	124	187	215	141
	APR-SEP	215	255	270	117	285	325	230
Detroit Lake Inflow (1,2)	APR-MAY	400	470	500	143	530	600	349
	APR-JUL	575	670	715	135	760	855	528
	APR-SEP	685	785	830	135	875	975	616
Dorena Lake Inflow (1,2)	APR-MAY	102	136	151	140	166	200	108
	APR-SEP	102	145	165	135	185	230	122
Fall Creek Lake Inflow (1,2)	APR-MAY	66	88	98	117	108	130	84
Fern Ridge Lake Inflow (1,2)	APR-SEP	4.8	23	57	114	39	57	50
Foster Lake Inflow (1,2)	APR-MAY	325	425	475	128	525	625	371
	APR-JUL	380	530	600	122	670	820	490
	APR-SEP	420	575	645	122	715	870	527
Green Peter Lake Inflow (1,2)	APR-MAY	215	280	310	125	340	405	248
	APR-JUL	235	330	375	115	420	515	327
	APR-SEP	260	360	405	114	450	550	354
Hills Creek Lake Inflow (1,2)	APR-MAY	179	220	240	129	260	300	186
	APR-JUL	265	325	350	126	375	435	277
	APR-SEP	310	375	405	127	435	500	320
	JUN-OCT	143	175	189	115	205	235	164
Little North Santiam R nr Mehama (1)	APR-JUL	113	147	162	122	177	210	133
	APR-SEP	123	158	174	122	190	225	143

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* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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WILLAMETTE BASIN
Streamflow Forecasts - April 1, 2008

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Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>>					30-Yr Avg. (1000AF)	
		===== Chance Of Exceeding * =====						
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)		10% (1000AF)
Lookout Point Lake Inflow (1,2)	APR-MAY	455	565	615	125	665	775	492
	APR-JUL	675	810	870	120	930	1060	726
	APR-SEP	745	915	995	120	1070	1250	828
	JUN-OCT	355	440	475	118	510	595	402
McKenzie R bl Trail Bridge (2)	APR-JUL	275	290	305	115	320	335	266
	APR-SEP	435	455	465	115	475	495	404
McKenzie R nr Vida (1,2)	APR-JUL	950	1090	1150	118	1210	1350	977
	APR-SEP	1200	1350	1420	118	1490	1640	1201
Mohawk R nr Springfield	APR-JUL	61	81	95	120	109	129	79
Oak Grove Fork R ab Power Intake	APR-JUL	149	160	168	129	176	187	130
	APR-SEP	188	205	215	129	225	240	167
North Santiam R at Mehama (1,2)	APR-JUL	700	835	895	122	955	1090	732
	APR-SEP	820	960	1020	122	1080	1220	834
South Santiam R at Waterloo (2)	APR-JUL	480	595	670	122	745	860	549
	APR-SEP	525	635	715	122	795	905	587
Scoggins Ck nr Gaston (2)	APR-JUL	14.2	16.2	17.5	136	18.8	21	12.9
Thomas Ck nr Scio	APR-JUL	67	83	94	125	105	121	75
MF Willamette R bl NF (1,2)	APR-MAY	470	565	610	130	655	750	471
	APR-JUL	660	810	875	125	940	1090	698
	APR-SEP	775	930	1000	125	1070	1220	798
	JUN-OCT	350	420	450	115	480	550	391
Willamette R at Salem (1,2)	APR-MAY	2580	3450	3850	123	4250	5120	3140
	APR-JUL	3590	4680	5170	119	5660	6750	4347
	APR-SEP	4170	5190	5650	118	6110	7130	4804

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The average is computed for the 1971-2000 base period.

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(2) - The value is natural volume - actual volume may be affected by upstream water management.

WILLAMETTE BASIN Reservoir Storage (1000 AF) - End of March					WILLAMETTE BASIN Watershed Snowpack Analysis - April 1, 2008			
Reservoir	Usable Capacity	*** Usable Storage This Year	Last Year	*** Avg	Watershed	Number of Data Sites	This Year as % of Last Yr	% of Average
BLUE RIVER	85.5	49.4	54.6	52.6	Clackamas River	5	384	211
COTTAGE GROVE	29.8	15.5	17.4	18.5	McKenzie River	5	258	185
COUGAR	155.2	85.8	94.3	150.5	Row River	1	281	176
DETROIT	300.7	173.7	212.2	222.0	Santiam River	6	444	234
DORENA	70.5	34.7	39.6	45.3	Willamette, Middle Fork	6	190	173
FALL CREEK	115.5	72.3	78.8	71.1				
FERN RIDGE	109.6	72.1	62.9	77.1				
FOSTER	29.7	13.1	15.7	12.4				
GREEN PETER	268.2	160.8	188.2	236.2				
HILLS CREEK	200.2	129.9	139.8	169.1				
LOOKOUT POINT	337.0	217.3	226.3	188.7				
TIMOTHY LAKE	61.7	43.2	60.9	51.6				
HENRY HAGG LAKE	53.0	50.8	51.0	49.8				

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

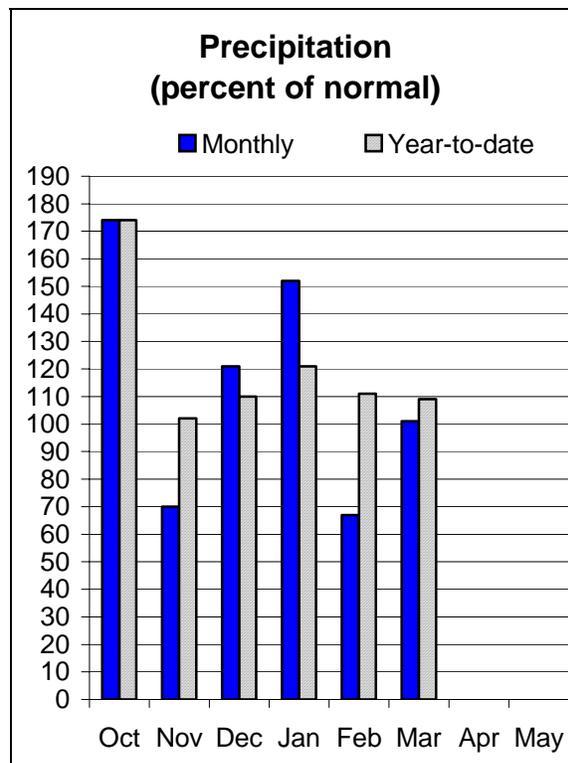
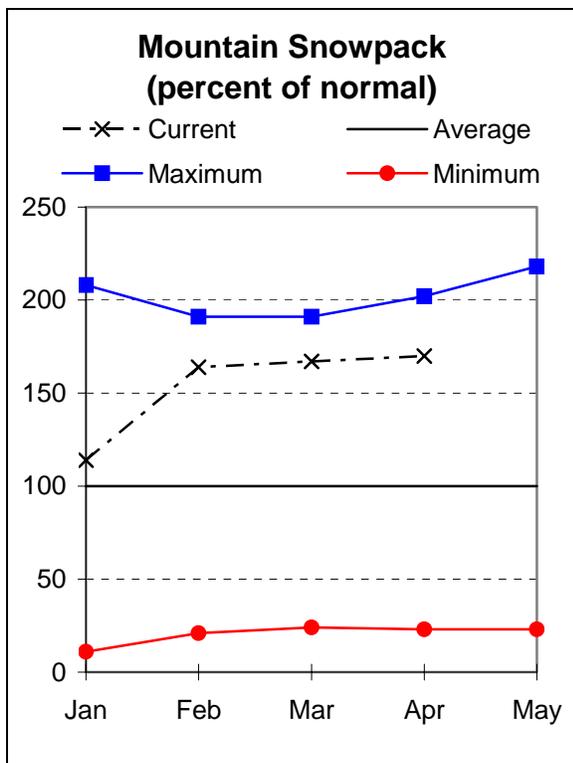
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Rogue and Umpqua Basins

April 1, 2008



Water Supply Outlook

After a drier than normal February, March in the Rogue and Umpqua basin had near average precipitation. In the mountains, much of that fell as snow, improving water supply conditions in the basin. Total snowpack for the Rogue and Umpqua basin on April 1 was 170 percent of average. New records were set for snow water at 3 SNOTEL sites in the basin on April 1. Since the beginning of the water year, precipitation in the Rogue and Umpqua has been 109 percent of average.

Reservoir storage in the Rogue and Umpqua basin was 107 percent of average at the end of March or 83 percent of capacity.

The April through September streamflow forecasts range from 113 percent of average for Applegate Lake Inflow to 158 percent of average for Cow Creek near Azalea. Elsewhere in the basin, the April through September forecast for the Illinois River at Kerby is 116 percent of average and the Rogue at Raygold is 115 percent of average. Water users in the Rogue and Umpqua basin can expect an above average water supply this coming season.

For more information contact your local Natural Resources Conservation Service Office:
 Roseburg - (541) 673-8316; Medford - (541) 776-4267
 Or visit: <http://www.wcc.nrcs.usda.gov/cgibin/bor.pl>

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ROGUE AND UMPQUA BASINS
Streamflow Forecasts - April 1, 2008

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Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>>					30-Yr Avg. (1000AF)	
		=====		Chance Of Exceeding *		=====		
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
Applegate Lake Inflow (2)	APR-JUL	97	115	128	114	141	159	112
	APR-SEP	103	122	135	113	148	167	119
SF Big Butte Ck nr Butte Falls	APR-JUL	34	41	45	132	49	56	34
	APR-SEP	44	51	56	128	61	68	44
Cow Ck nr Azalea (2)	APR-JUL	15.9	22	26	158	30	36	16.5
	APR-SEP	17.6	24	28	158	32	38	17.7
Hyatt Prairie Reservoir Inflow (2)	APR-JUL	4.8	6.2	7.2	150	8.2	9.6	4.8
Illinois R at Kerby	APR-JUL	107	168	210	117	250	315	179
	APR-SEP	112	173	215	116	255	320	186
NF Little Butte Ck nr Lakecreek (2)	APR-JUL	31	36	39	123	42	47	32
	APR-SEP	49	54	58	125	62	67	46
Lost Creek Lake Inflow (2)	APR-JUL	545	600	635	120	670	725	530
	APR-SEP	675	740	780	117	820	885	665
Rogue R at Raygold (2)	APR-JUL	650	770	850	116	930	1050	730
	APR-SEP	810	935	1020	115	1100	1230	890
Rogue R at Grants Pass (2)	APR-JUL	695	830	925	125	1020	1150	740
	APR-SEP	830	980	1080	122	1180	1330	885
Sucker Ck bl Ltl Grayback Ck nr Holl	APR-JUL	39	54	64	123	74	89	52
	APR-SEP	44	59	69	123	79	94	56
North Umpqua R at Winchester	APR-JUL	690	830	925	116	1020	1160	795
	APR-SEP	820	965	1060	115	1160	1300	920
South Umpqua R nr Brockway	APR-JUL	410	535	615	154	695	820	400
	APR-SEP	445	565	650	155	735	855	420
South Umpqua R at Tiller	APR-JUL	197	245	280	145	315	365	193
	APR-SEP	210	260	295	144	330	380	205

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* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period

ROGUE AND UMPQUA BASINS Reservoir Storage (1000 AF) - End of March					ROGUE AND UMPQUA BASINS Watershed Snowpack Analysis - April 1, 2008			
Reservoir	Usable Capacity	*** Usable Storage This Year	Last Year	*** Avg	Watershed	Number of Data Sites	This Year as % of Last Yr	% of Average
APPLEGATE	75.2	38.8	40.0	46.9	Applegate River	6	180	130
EMIGRANT LAKE	39.0	37.3	37.4	34.4	Bear Creek	5	159	121
FISH LAKE	8.0	5.0	6.6	5.8	Butte Creek	6	248	181
FOURMILE LAKE	16.1	11.1	12.3	10.2	Illinois River	5	374	230
HOWARD PRAIRIE	60.0	46.7	60.6	44.9	North Umpqua River	9	291	204
HYATT PRAIRIE	16.1	15.5	16.1	12.3	Rogue River	22	216	160
LOST CREEK	315.0	133.1	136.5	263.2				

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

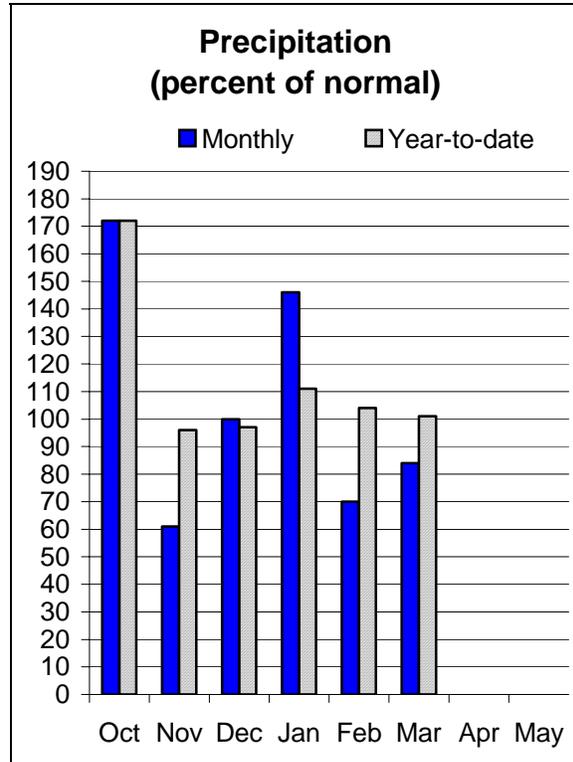
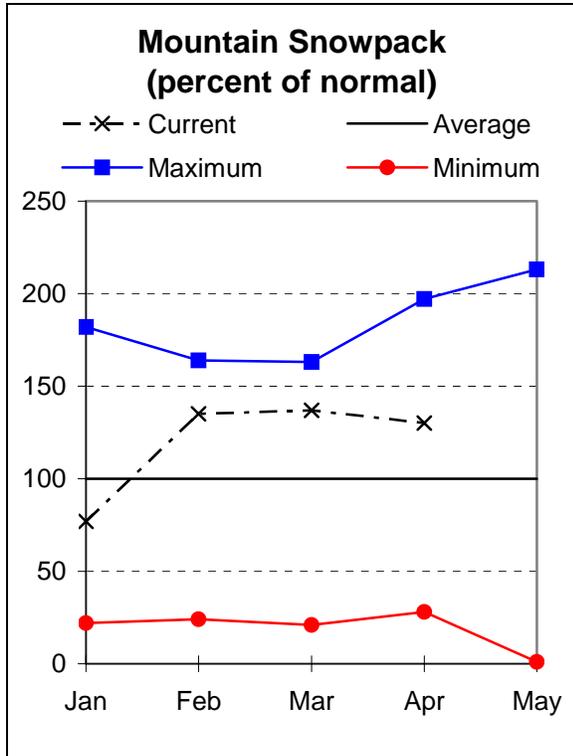
The average is computed for the 1971-2000 base period.

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Klamath Basin

April 1, 2008



Water Supply Outlook

March in the Klamath basin was drier than normal. While some SNOTEL sites saw a dramatic increase in snow pack, a few others did not recover significantly from melting in February and early March. Even so, total snowpack on April 1 was 130 percent of average in the basin. Following a drier than normal February, March precipitation in the Klamath basin was 84 percent of average. Since the beginning of the water year, Klamath precipitation has been near average.

At the end of March, reservoir storage in the Klamath basin was 81 percent of average or 56 percent of capacity.

The April through September streamflow forecasts range from 99 percent of average for the inflow to Gerber Reservoir to 108 percent of average for Clear Lake Inflow. Elsewhere in the basin, the April through September forecast for the Upper Klamath Lake inflow is near average. Water users throughout the Klamath basin can expect a near average water supply this coming season.

For more information contact your local Natural Resources Conservation Service Office:
Klamath Falls - (541) 883-6932

Or visit: <http://www.wcc.nrcs.usda.gov/cgibin/bor.pl>

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KLAMATH BASIN
Streamflow Forecasts - April 1, 2008

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Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>>					30-Yr Avg. (1000AF)	
		===== Chance Of Exceeding * =====						
		90% (1000AF)	70% (1000AF)	50% (1000AF) (% AVG.)		30% (1000AF)		10% (1000AF)
Clear Lake Inflow (2)	APR-JUL	18.1	35	46	112	57	74	41
	APR-SEP	26	42	52	108	62	78	48
Gerber Reservoir Inflow (2)	APR-JUL	4.9	12.1	17.0	99	22	29	17.2
	APR-SEP	5.8	12.9	17.7	99	23	30	17.8
Sprague R nr Chiloquin	APR-JUL	160	190	210	102	230	260	205
	APR-SEP	184	215	235	102	255	285	230
Upper Klamath Lake Inflow (1,2)	APR-JUL	325	395	425	100	455	525	425
	APR-SEP	405	480	515	100	550	625	515
Williamson R bl Sprague R nr Chiloqu	APR-JUL	260	295	320	100	345	380	320
	APR-SEP	325	360	385	100	410	445	385

KLAMATH BASIN Reservoir Storage (1000 AF) - End of March					KLAMATH BASIN Watershed Snowpack Analysis - April 1, 2008			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
CLEAR LAKE (CALIF)	513.3	137.0	179.3	248.9	Lost River	3	0	204
GERBER	94.3	62.8	82.6	66.6	Sprague River	6	170	125
UPPER KLAMATH LAKE	523.7	428.5	458.9	457.8	Upper Klamath Lake	15	171	138
					Williamson River	4	186	132

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

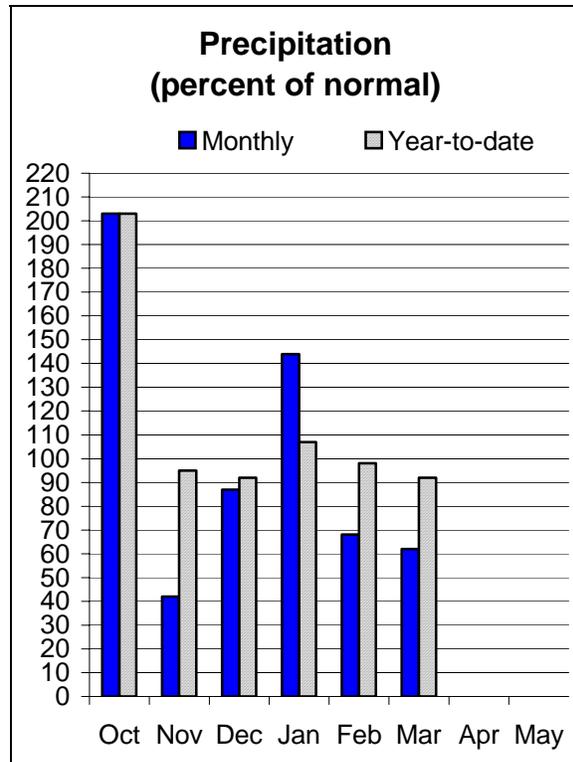
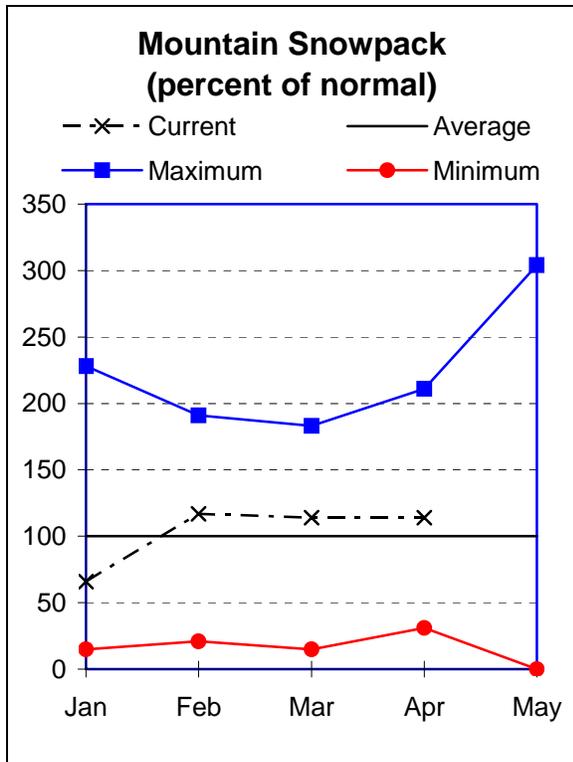
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Lake County and Goose Lake

April 1, 2008



Water Supply Outlook

The snowpack condition did not improve measurably from last month in Lake County and Goose Lake basin. The April 1 snowpack measured 114 percent of average, the lowest percentage in the state. March precipitation in Lake County and Goose Lake basin was only 62 percent of average. Overall, the basin has had the driest water year 2008 of all the basins in Oregon. Since the beginning of the water year, precipitation in the Lake County and Goose Lake basin has been 92 percent of average.

Reservoir storage in the Lake County and Goose Lake basin was 44 percent of average at the end of March or 32 percent of capacity.

The April through September streamflow forecasts range from 70 percent of average for Silver Creek near Silver Lake to 103 percent of average for Twentymile Creek near Adel. Elsewhere in the basin, the April through September forecast for the Chewaucan River near Paisley is 85 percent of average. Water users in Lake County and Goose Lake basin can expect a range of stream flow conditions this coming season.

For more information contact your local Natural Resources Conservation Service Office:
Lakeview - (541) 947-2202

Or visit: <http://www.wcc.nrcs.usda.gov/cgibin/bor.pl>

LAKE COUNTY AND GOOSE LAKE BASINS
Streamflow Forecasts - April 1, 2008

Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>>					30-Yr Avg. (1000AF)					
		90%		70%		50%		30%		10%		
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)		(1000AF)	(1000AF)	(1000AF)	(1000AF)	(1000AF)
Chewaucan R nr Paisley	APR-JUL	46	56	63	85	70	80	74				
	APR-SEP	49	59	66	85	73	83	78				
Deep Ck ab Adel	APR-JUL	44	54	61	91	68	78	67				
	APR-SEP	45	56	63	91	70	81	69				
Honey Ck nr Plush	APR-JUL	10.5	14.2	16.6	101	19.0	23	16.4				
	APR-SEP	10.7	14.3	16.8	101	19.3	23	16.6				
Silver Ck nr Silver Lake (2)	APR-JUL	6.4	8.7	10.2	70	11.7	14.0	14.5				
	APR-SEP	6.8	9.4	11.1	70	12.8	15.4	15.9				
Twentymile Ck nr Adel	APR-JUL	3.7	11.8	17.4	103	23	31	16.9				
	APR-SEP	4.1	12.3	17.9	103	23	32	17.4				

LAKE COUNTY AND GOOSE LAKE BASINS
Reservoir Storage (1000 AF) - End of March

LAKE COUNTY AND GOOSE LAKE BASINS
Watershed Snowpack Analysis - April 1, 2008

Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
COTTONWOOD	8.7	6.9	9.3	5.7	Chewaucan River	5	187	116
DREWS	63.0	11.5	48.2	47.9	Deep Creek	3	146	107
THOMPSON VALLEY	18.4	10.8	18.0	13.2	Drew Creek	4	432	149
					Honey Creek	3	159	122
					Silver Creek (Lake Co.)	4	303	147
					Twentymile Creek	5	172	111

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

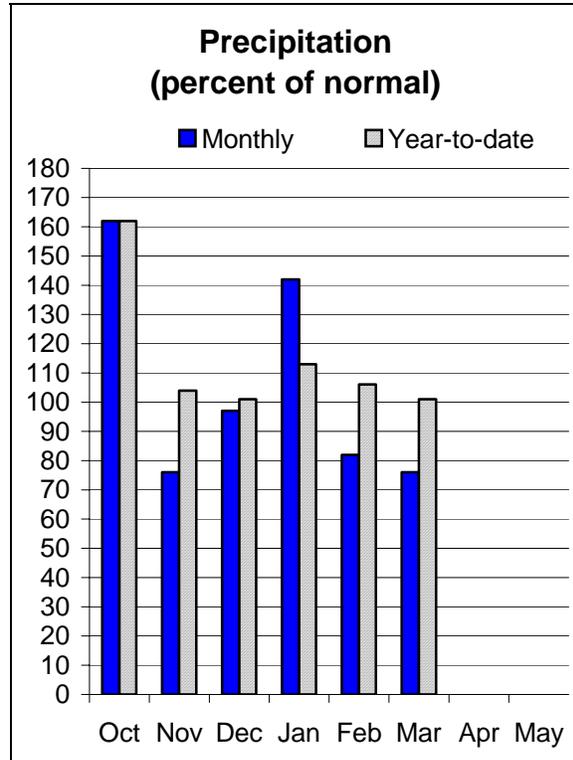
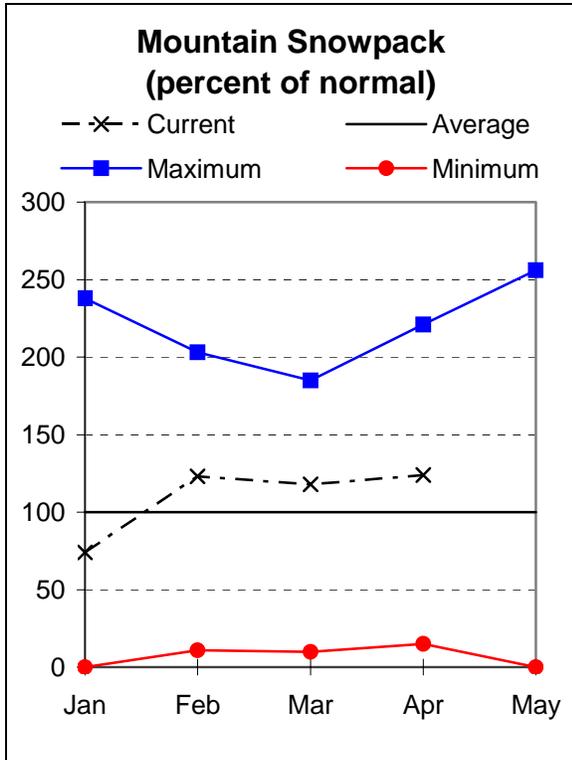
The average is computed for the 1971-2000 base period.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.



Harney Basin

April 1, 2008



Water Supply Outlook

Despite a drier than normal March, the April 1 snowpack improved slightly over last month, due to cold temperatures that slowed melt off. Total snowpack on April 1 was 124 percent of average for the Harney basin. March precipitation was 76 percent of average. Since the beginning of the water year, total precipitation in the Harney basin has been near average.

The April through September streamflow forecasts range from 91 percent of average for the Donner und Blitzen near Frenchglen to 141 percent of average for the Silvies River near Burns. Elsewhere in the basin, the April through September forecast for Trout Creek near Denio is near average. Water users in the Harney basin can expect a range of stream flow conditions this coming season.

For more information contact your local Natural Resources Conservation Service Office:
Hines - (541) 573-6446

Or visit: <http://www.wcc.nrcs.usda.gov/cgibin/bor.pl>

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HARNEY BASIN
Streamflow Forecasts - April 1, 2008

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Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>>				30-Yr Avg. (1000AF)		
		===== Chance Of Exceeding * =====						
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)		30% (1000AF)	10% (1000AF)
Donner Und Blitzen R nr Frenchglen	APR-JUL	35	49	58	91	67	81	64
	APR-SEP	40	54	64	91	74	88	70
Silvies R nr Burns	APR-JUL	91	117	135	141	153	179	96
	APR-SEP	95	122	140	141	158	185	99
Trout Ck Nr Denio	APR-JUL	5.3	7.8	9.6	100	11.4	13.9	9.6
	APR-SEP	5.8	8.4	10.2	99	12.0	14.6	10.3

HARNEY BASIN Reservoir Storage (1000 AF) - End of March					HARNEY BASIN Watershed Snowpack Analysis - April 1, 2008			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
					Donner und Blitzen River	4	213	119
					Silver Creek (Harney Co)	2	388	132
					Silvies River	6	395	140
					Trout Creek	4	850	116

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.

Generalized Streamflow Forecasts

April 1, 2008

FORECAST POINT TO BE DISCONTINUED	GENERALIZED WY 2008 STREAMFLOW FORECAST (APR - SEP)
SUCCOR CK nr Jordan Valley	NEAR AVERAGE
ANTHONY CK bl NF nr North Powder	NEAR AVERAGE
BIG CK bl Burn Ck nr Medical Spgs	NEAR AVERAGE
HURRICANE CREEK near Joseph	NEAR AVERAGE
EF WALLOWA near Joseph	NEAR AVERAGE
WALLOWA at Joseph (2)	NEAR AVERAGE
COUSE CREEK near Milton-Freewater	NEAR AVERAGE
ROCK CREEK above Whyte	NEAR AVERAGE
NF CROOKED blw Lookout Ck	NEAR AVERAGE
WHYCHUS CREEK near Sisters	NEAR AVERAGE
TUMALO CREEK near Bend	NEAR AVERAGE
WF HOOD near Dee	ABOVE AVERAGE
WHITE below Tygh Valley	ABOVE AVERAGE
CLEARWATER above Trap Creek (2)	ABOVE AVERAGE
FOURMILE LAKE net Inflow (2)	ABOVE AVERAGE
GRAVE CREEK at Pease Bridge	ABOVE AVERAGE
NORTH UMPQUA nr Toketee Falls (2)	ABOVE AVERAGE
BRIDGE CK nr Spahr Ranch	NEAR AVERAGE
COTTONWOOD CK nr Lakeview (2)	NEAR AVERAGE
DREWS RESERVOIR net Inflow (2)	NEAR AVERAGE
SILVER CK nr Riley	NEAR AVERAGE

The streamflow at the points above can no longer be modeled within an acceptable level of certainty. Forecasts at these sites will be completely discontinued in water year 2009.

Low Flow Forecasts for Oregon

OWYHEE AND MALHEUR BASINS			
<i>FORECAST POINT</i>	<i>LOW FLOW CFS</i>	<i>FORECAST DATE OF LOW FLOW</i>	<i>AVERAGE DATE OF LOW FLOW</i>
Owyhee nr Rome	2000	May 30	May 21
	1000	Jun 12	June 2
	500	Jun 30	June 17

BURNT, POWDER, PINE, GRAND RONDE AND IMNAHA BASINS			
<i>FORECAST POINT</i>	<i>LOW FLOW CFS</i>	<i>FORECAST DATE OF LOW FLOW</i>	<i>AVERAGE DATE OF LOW FLOW</i>
Eagle Ck above Skull Ck	225	Aug 6	July 22
	160	Aug 16	August 5
Catherine Ck nr Union	48	August 1	Avg Value = 49 cfs
	100	Jul 8	July 9
	50	Jul 30	July 28
Powder near Sumpter	100	Jun 30	June 25
	20	Jul 25	July 22
Deer Ck above Phillips Resv nr Sumpter	40	Jun 20	June 17
	10	Jul 5	July 6

UMATILLA, WALLA WALLA, WILLOW, ROCK AND LOWER JOHN DAY BASINS			
<i>FORECAST POINT</i>	<i>LOW FLOW CFS</i>	<i>FORECAST DATE OF LOW FLOW</i>	<i>AVERAGE DATE OF LOW FLOW</i>
Umatilla at Pendleton	550	May 25	May 17
SF Walla Walla nr Milton	200	Jun 20	June 9
	110	August-September	Avg Value = 105 cfs

UPPER JOHN DAY			
<i>FORECAST POINT</i>	<i>LOW FLOW CFS</i>	<i>FORECAST DATE OF LOW FLOW</i>	<i>AVERAGE DATE OF LOW FLOW</i>
John Day at Service Ck	220	August 1	Avg Value = 212 cfs

UPPER DESCHUTES AND CROOKED BASINS			
<i>FORECAST POINT</i>	<i>FLOW CFS</i>	<i>FORECAST DATE OF LOW FLOW</i>	<i>AVERAGE DATE OF LOW FLOW</i>
Carne Prairie net inflow	330	Peak	
	210	Oct 31	
	Peak	May 28	
Crooked R	100	Jun 4	
Little Deschutes nr LaPine	400	Jun 10	June 7
	200	Jul 12	July 8
Whychus Cr nr Sisters	100	Aug 30	August 16
Tumalo Ck nr Bend	235	Jun 27	June 23
	207	Jun 29	June 25
	150	Jul 6	July 5
	71	Aug 9	August 7

HOOD, MILE CREEKS, AND LOWER DESCHUTES BASINS			
<i>FORECAST POINT</i>	<i>FLOW CFS</i>	<i>FORECAST DATE OF LOW FLOW</i>	<i>AVERAGE DATE OF LOW FLOW</i>
Clear Branch Inflow	45*	July 15-31	39**
*Average cfs forecast to flow for this two-week period.			
** Average cfs for period of record			
White bl Tygh Valley	200	Jul 10	July 3
	155	Aug 1	Avg Value = 145

ROGUE AND UMPQUA BASINS			
<i>FORECAST POINT</i>	<i>FLOW CFS</i>	<i>FORECAST DATE OF LOW FLOW</i>	<i>AVERAGE DATE OF LOW FLOW</i>
Cow Ck nr Azalea	20	Jul 15	July 4
	10	Aug 30	August 19
Little Butte Cr SF	100	May 25	May 15
South Umpqua nr Brockway	90	Sep 12	August 28
South Umpqua at Tiller	140	Jul 27	July 12
	90	Aug 12	July 28
	60	Sep 1	August 24

LAKE COUNTY AND GOOSE LAKE BASINS			
<i>FORECAST POINT</i>	<i>FLOW CFS</i>	<i>FORECAST DATE OF LOW FLOW</i>	<i>AVERAGE DATE OF LOW FLOW</i>
Deep Ck abv Adel	100	Jun 14	June 21
Honey Ck nr Plush	100	May 1	May 15
	50	May 15	May 30
Twentymile nr Adel	50	May 18	June 2
	10	Jun 20	July 3

HARNEY BASIN			
<i>FORECAST POINT</i>	<i>FLOW CFS</i>	<i>FORECAST DATE OF LOW FLOW</i>	<i>AVERAGE DATE OF LOW FLOW</i>
Silvies nr Burns	400	May 1	May 5
	200	May 15	May 21
	100	Jun 1	June 9
	50	Jun 10	June 23
Donner und Blitzen	200	May 30	June 15
	100	Jun 30	July 5

Summary of Snow Course Data

April 2008

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
Oregon						
ALTHOUSE #2	4530	4/03/08	44	17.9	1.6	4.1
ALTHOUSE #3	5000	4/03/08	74	31.6	9.0	12.8
ANEROID LAKE SNOTEL	7410	4/01/08	89	27.0	13.0	25.7
ANNIE SPRING SNOTEL	6010	4/01/08	121	43.2	36.6	42.8
ANTHONY LAKE	7130	4/03/08	80	30.0E	20.0	26.3
ARBUCKLE MTN SNOTEL	5770	4/01/08	71	19.3	10.8	22.3
BALD MTN,OR AM	6720	4/01/08	110	37.4	22.8	25.7
BALD PETER	5400	4/01/08	108	41.8	19.0	30.3
BARLEY CAMP AM	6900	3/27/08	39	14.4	10.6	16.3
BEAR FLAT MEADOW AM	5900	3/27/08	32	12.5	5.2	11.2
BEAVER CREEK #1	4250	3/31/08	70	23.4	8.4	14.1
BEAVER CREEK #2	4250	3/31/08	51	17.6	--	7.3
BEAVER DAM CREEK	5100	4/01/08	57	25.0	8.9	10.0
BEAVER RES. SNOTEL	5150	4/01/08	43	15.5	5.2	9.2
BIG RED MTN SNOTEL	6050	4/01/08	83	34.0	23.3	28.4
BIG SHEEP AM	6200	4/01/08	120	38.4	17.8	26.6
BIGELOW CAMP SNOTEL	5120	4/01/08	64	30.0	5.1	11.6
BILLIE CK DVD SNOTEL	5300	4/01/08	79	33.2	17.0	21.5
BLAZED ALDER SNOTEL	3650	4/01/08	---	80.4	23.0	32.1
BLUE MTN SPGS SNOTEL	5900	4/01/08	55	20.7	11.7	17.3
BOULDER CREEK AM	5690	4/01/08	12	4.0	.0	1.1
BOURNE SNOTEL	5850	4/01/08	60	20.5	5.6	17.9
BOWMAN SPRNGS SNOTEL	4530	4/01/08	25	9.9	.1	8.6
BUCK PASTURE AM	5700	4/01/08	26	9.9	.0	1.2
BUCKSKIN LAKE AM	5200	4/01/08	0	.0	.0	--
BULLY CREEK AM	5300	4/01/08	6	2.3	.0	.5
CALIBAN ALT	6500	3/31/08	88	33.8	23.2	30.9
CALL MEADOWS AM	5340	4/01/08	19	6.3	.0	2.1
CAMAS CREEK #3	5850	3/31/08	43	16.6	6.0	13.1
CASCADE SUM. SNOTEL	5100	4/01/08	120	49.9	31.1	31.3
CHEMULT ALT SNOTEL	4850	4/01/08	23	8.7	.0	5.3
CHILOQUIN	4190	3/27/08	1	.2	--	--
CLACKAMAS LK. SNOTEL	3400	4/01/08	66	22.6	4.1	11.3
CLEAR LAKE SNOTEL	3810	4/01/08	74	25.7	7.0	14.1
COLD SPRINGS SNOTEL	5940	4/01/08	88	41.3	24.2	28.2
COLVIN CREEK AM	6550	3/27/08	7	2.7	.0	2.6
COUNTY LINE SNOTEL	4800	4/01/08	12	7.3	.0	2.2
COX FLAT AM	5750	3/27/08	28	10.9	.0	4.3
CRAZYMAN FLAT AM	6100	3/27/08	27	9.4	10.6	9.1
CRAZYMAN FLAT SNOTEL	6180	4/01/08	44	16.0	12.5	15.7
CRYSTAL (BROWNS RCH)	4200	3/27/08	24	9.6	--	2.6
DALY LAKE SNOTEL	3690	4/01/08	109	46.6	4.5	12.7
DEADHORSE GRADE	3700	4/02/08	77	30.6	1.5	9.0
DEADWOOD JUNCTION	4600	4/01/08	39	16.1	.0	4.8
DERR	5670	3/31/08	37	12.6	2.6	8.5
DERR SNOTEL	5850	4/01/08	47	18.9	9.5	16.4
DIAMOND LAKE SNOTEL	5320	4/01/08	58	21.3	4.8	14.8
DOG HOLLOW AM	4900	3/27/08	1	.4	.0	.1
DOOLEY MOUNTAIN	5430	4/02/08	46	17.8	.4	7.1
EILERTSON SNOTEL	5510	4/01/08	39	9.1	.0	9.6
ELDORADO PASS	4600	4/02/08	14	5.8	.0	.9
EMIGRANT SPGS SNOTEL	3800	4/01/08	34	11.7	.0	3.3
FINLEY CORRALS AM	6000	3/27/08	42	15.5	9.6	14.6
FISH CREEK SNOTEL	7660	4/01/08	76	26.2	24.6	30.5

SNOW COURSE		ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
Oregon (Continued)							
FISH LK.	SNOTEL	4670	4/01/08	63	22.8	8.5	8.4
FLAG PRAIRIE	AM	4750	4/01/08	24	7.9	.0	2.0
FT. KLAMATH		4150	3/27/08	20	7.4	--	1.1
FOURMILE LAKE	SNOTEL	6000	4/01/08	91	35.8	21.4	30.7
GERBER RES	SNOTEL	4850	4/01/08	1	.7	.0	.1
GOLD CENTER	SNOTEL	5410	4/01/08	33	13.9	.0	8.3
GOVERNMENT CORRALS		7450	4/01/08	48	17.2	5.8	16.3
GOVT CORRALS	AM	7450	4/01/08	45	16.2	8.0	16.3
GRAYBACK PEAK		6000	4/01/08	92	37.2	14.5	21.1
GREENPOINT	SNOTEL	3310	4/01/08	89	35.1	11.4	17.5
HARRIMAN LODGE		4200	3/27/08	17	5.8	--	1.0
HART MOUNTAIN	AM	6350	3/27/08	1	.4	.0	.9
HIGH PRAIRIE		6100	4/02/08	140	60.5	34.0	47.6
HIGH RIDGE	SNOTEL	4920	4/01/08	105	38.7	18.9	23.1
HOGG PASS	SNOTEL	4760	4/01/08	129	46.9	16.7	39.0
HOLLAND MDWS	SNOTEL	4900	4/01/08	118	40.7	14.5	23.1
HOWARD PRAIRIE		4500	4/01/08	38	13.6	3.2	5.6
HUNGRY FLAT		4400	4/01/08	14	5.8	.0	1.4
IRISH-TAYLOR	SNOTEL	5500	4/01/08	136	47.7	32.0	36.6
JUMP OFF JOE	SNOTEL	3520	4/01/08	91	37.6	8.7	10.3
KING MTN #1		4500	4/02/08	61	27.6	2.7	5.2
KING MTN #2	SNOTEL	4340	4/01/08	44	17.4	.0	2.9
KING MTN #3		3650	4/02/08	7	2.8	.4	.6
KING MTN #4		3050	4/02/08	0	.0	.0	.0
LAKE CK R.S.	SNOTEL	5200	4/01/08	33	14.4	.0	10.5
LITTLE ALPS		6200	4/03/08	52	17.6	8.4	13.2
LITTLE ANTONE (ALT)		5000	4/03/08	38	14.6	1.8	7.2
LITTLE MEADOW	SNOTEL	4000	4/01/08	151	65.2	26.6	25.7
LOOKOUT BUTTE	AM	5650	4/01/08	0	.0	.0	.1
LOUSE CANYON	AM	6440	4/01/08	14	5.2	.0	5.1
LUCKY STRIKE	SNOTEL	4970	4/01/08	30	11.9	.0	9.3
MADISON BUTTE	SNOTEL	5150	4/01/08	25	10.0	.0	2.7
MARION FORKS	SNOTEL	2600	4/01/08	78	33.1	2.6	10.2
MARKS CREEK		4540	3/31/08	14	4.4	.0	.9
MARY'S PEAK REV		3620	3/28/08	98	38.9	3.6	6.3
MCKENZIE	SNOTEL	4800	4/01/08	---	67.0	42.2	42.9
MEACHAM		4300	3/31/08	33	13.0	.2	6.6
MIRROR LAKE	AM	8200	4/01/08	215	68.8	49.4	68.0
MILL CREEK MDW		4400	4/02/08	57	22.6	--	9.1
MOSS SPRINGS	SNOTEL	5760	4/01/08	83	28.2	21.3	26.0
MT ASHLAND SWBK.		6400	3/31/08	86	33.7	24.2	33.4
MT HOOD		5400	3/27/08	216	93.0	55.5	62.5
MT HOOD TEST	SNOTEL	5400	4/01/08	210	82.0	51.5	59.1
MT HOWARD	SNOTEL	7910	4/01/08	64	20.9	12.1	16.5
MUD RIDGE	SNOTEL	4070	4/01/08	117	49.2	20.8	24.3
NEW CRESCENT	SNOTEL	4910	4/01/08	64	19.0	.0	8.4
NEW DUTCHMAN #3		6400	4/01/08	148	57.2	42.0	51.9
NORTH UMPQUA		4220	3/28/08	60	21.3	3.3	8.8
OCHOCO MEADOWS		5200	3/27/08	33	10.9	3.4	8.9
OCHOCO MEADOW	SNOTEL	5430	4/01/08	36	12.1	1.7	8.7
OREGON CANYON	AM	6950	4/01/08	20	7.4	.0	4.9
PAGE MTN		4050	4/03/08	0	.0	1.0	1.2
PARK H.Q. REV		6550	4/01/08	157	71.6	55.0	61.3
PASSAGEWAY	AM	4660	3/31/08	58	21.5	--	--
PATTON MEADOWS	AM	6800	3/27/08	51	19.4	9.1	17.5
PEAVINE RIDGE	SNOTEL	3420	4/01/08	84	37.2	8.1	13.0
PUEBLO SUMMIT	AM	6800	4/01/08	6	2.2E	.0	--
QUARTZ MTN	SNOTEL	5720	4/01/08	0	2.1	.0	.4
RACING CREEK		4800	4/01/08	61	22.6	8.0	14.1
R.R. OVERPASS	SNOTEL	2680	4/01/08	0	.0	.0	.1

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
Oregon (Continued)						
RED BUTTE #1	4560	4/01/08	92	39.0	12.0	10.4
RED BUTTE #2	4000	4/01/08	32	11.4	.0	5.0
RED BUTTE #3	3500	4/01/08	34	13.7	.0	1.1
RED BUTTE #4	3000	4/01/08	15	4.2	.0	.3
RED HILL SNOTEL	4400	4/01/08	188	88.6	49.3	46.1
ROARING RIVER SNOTEL	4950	4/01/08	124	58.0	23.9	28.9
ROCK SPRINGS SNOTEL	5290	4/01/08	21	5.2	.0	2.5
ROGGER MEADOWS AM	6500	3/27/08	32	12.5	13.2	11.3
SADDLE MTN SNOTEL	3110	4/01/08	78	30.7	.0	6.0
SALT CK FALLS SNOTEL	4220	4/01/08	94	43.1	20.5	18.4
SANTIAM JCT. SNOTEL	3750	4/01/08	95	36.8	.8	16.0
SCHNEIDER MDW SNOTEL	5400	4/01/08	98	23.0	18.6	29.6
SEINE CREEK SNOTEL	2060	4/01/08	4	1.6	.0	1.3
SEVENMILE MARSH SNTL	5700	4/01/08	103	44.1	26.3	30.5
SHERMAN VALLEY AM	6600	3/27/08	37	14.4	15.2	12.0
SILVER BURN	3720	4/01/08	61	25.6	6.9	8.2
SILVER CREEK SNOTEL	5740	4/01/08	30	13.7	.0	7.8
SILVIES SNOTEL	6990	4/01/08	52	19.9	9.3	19.3
SISKIYOU SUMMIT REV	4630	3/31/08	42	17.9	3.5	3.3
SKI BOWL ROAD	6000	3/31/08	71	28.7	19.2	26.7
SNOW MTN SNOTEL	6220	4/01/08	39	12.5	5.9	14.0
SF BULL RUN SNOTEL	2690	4/01/08	75	33.8	.0	2.1
SOUTH FORK CANAL	3500	3/25/08	13	5.2	.0	.5
STANDLEY AM	7400	4/01/08	106	36.0	24.8	33.3
STARR RIDGE SNOTEL	5250	4/01/08	22	10.4	.0	3.4
STRAWBERRY SNOTEL	5760	4/01/08	11	6.9	.0	4.1
SUMMER RIM SNOTEL	7100	4/01/08	50	16.4	15.9	19.0
SUMMIT LAKE SNOTEL	5600	4/01/08	137	49.8	37.3	38.1
SYCAN FLAT AM	5500	3/27/08	20	8.2	.0	3.2
TANGENT	5400	4/01/08	63	26.6	10.4	19.6
TAYLOR BUTTE SNOTEL	5030	4/01/08	24	9.9	.0	2.8
TAYLOR GREEN SNOTEL	5740	4/01/08	70	25.5	10.5	21.7
THREE CK MEAD SNOTEL	5650	4/01/08	84	25.7	17.1	19.7
TIMOTHY LAKE	3300	3/28/08	57	21.4	.7	11.3
TIPTON SNOTEL	5150	4/01/08	51	14.8	7.5	14.3
TOLLGATE	5070	3/31/08	122	40.8	26.0	26.8
TRAP CREEK	3800	3/28/08	59	20.4	4.2	7.3
TROUT CREEK AM	7800	4/01/08	41	14.8	.0	12.1
TV RIDGE #2 AM	7000	4/01/08	59	20.1	9.4	20.2
V LAKE AM	6600	4/01/08	37	14.1	.0	8.0
WEST EAGLE MEADOWS	5500	4/01/08	107	38.5	18.9	28.1
WOLF CREEK SNOTEL	5630	4/01/08	68	19.8	9.3	16.7
California						
ADIN MOUNTAIN	6350	3/31/08	34	13.6	6.0	12.5
ADIN MTN SNOTEL	6350	4/01/08	33	13.2	4.6	13.2
BLUE LAKE RANCH	6800	4/01/08	27	11.3	1.2	10.4
CEDAR PASS	7100	4/01/08	46	13.7	6.6	17.6
CEDAR PASS SNOTEL	7100	4/01/08	49	19.2	9.7	19.3
CROWDER FLAT AM	5200	3/27/08	11	4.3	.0	.4
CROWDER FLAT SNOTEL	5200	4/01/08	2	3.9	.0	--
DISMAL SWAMP SNOTEL	7000	4/01/08	74	27.6	19.4	28.9
STATE LINE AM	5750	3/27/08	17	6.6	.0	3.4
Idaho						
BATTLE CREEK AM	5720	4/01/08	19	6.6	.0	1.0
BULL BASIN AM	5460	4/01/08	13	4.8	.0	.3
MUD FLAT SNOTEL	5730	4/01/08	26	9.0	.0	4.4
RED CANYON AM	6650	4/01/08	24	8.9	1.2	5.1
SILVER CITY	6400	4/01/08	57	23.7	11.6	15.8
SOUTH MTN SNOTEL	6500	4/01/08	55	22.1	7.5	19.2
SUCCOR CREEK AM	6100	4/01/08	37	15.5	.0	7.8
VAUGHT RANCH AM	5830	4/01/08	17	6.0	.0	1.1

SNOW COURSE		ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
Nevada							
BALD MOUNTAIN	AM	6720	3/27/08	12	4.4	.0	2.5
BEAR CREEK SNOTEL		7800	4/01/08	---	19.8	14.2	21.6
BIG BEND SNOTEL		6700	4/01/08	33	11.6	1.8	8.3
BUCKSKIN,L SNOTEL		6700	4/01/08	38	12.4	3.7	8.5
COLUMBIA BASIN	AM	6650	3/26/08	24	8.9	.0	6.8
DISASTER PEAK SNOTEL		6500	4/01/08	21	7.7	.0	7.4
FAWN CREEK SNOTEL		7050	4/01/08	46	14.5	11.3	18.7
FRY CANYON		6700	3/26/08	23	9.0	1.0	5.7
GOLD CREEK		6600	3/26/08	22	8.5	.6	3.9
GRANITE PEAK SNOTEL		7800	4/01/08	59	19.9	12.4	25.1
JACK CREEK, LOWER(d)		6800	3/26/08	10	4.0	2.0	2.3
JACK CREEK, U SNOTEL		7280	4/01/08	49	13.9	11.4	19.9
LAMANCE CREEK SNOTEL		6000	4/01/08	40	17.0	.0	10.1
LAUREL DRAW SNOTEL		6700	4/01/08	35	13.4	.6	8.8
LITTLE BALLY MTN.	AM	6000	3/27/08	9	3.3	.0	2.9
MERRIT MOUNTAIN	AM	7000	3/26/08	25	9.3	.5	5.8
MIDAS	(d)	7200	3/26/08	12	4.4	.0	1.7
QUINN RIDGE	AM	6300	4/01/08	16	5.6	.0	.8
SEVENTYSIX CK SNOTEL		7100	4/01/08	36	11.6	3.6	10.7
STAG MOUNTAIN	AM	7700	3/26/08	9	3.3	.0	5.7
TAYLOR CANYON SNOTEL		6200	4/01/08	18	7.8	.0	2.9
TOE JAM AM	AM	7700	3/26/08	36	13.3	2.4	9.4
TREMEWAN RANCH		5700	3/25/08	0	.0	.0	.1

(d) denotes discontinued site.

And Federal – State – Private Cooperative Snow Surveys

For more water supply and resource management information, contact:

**USDA, Natural Resources Conservation Service
Snow Survey Office
1201 NE Lloyd; Suite 900
Portland, OR 97232**

Phone: (503) 414-3270

Web site: <http://www.or.nrcs.usda.gov/snow/index.html>

Most of the annual streamflow in the western United States originates as snowfall that has accumulated in the mountains during the winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Measurements of snow water equivalent at selected manual snowcourses and automated SNOTEL sites, along with precipitation, antecedent streamflow, and indices of the El Niño / Southern Oscillation are used in computerized statistical and simulation models to prepare runoff forecasts. These forecasts are coordinated between hydrologists in the Natural Resources Conservation Service and the National Weather Service. Unless otherwise specified, all forecasts are for flows that would occur naturally without any upstream influences

Forecasts of any kind, of course, are not perfect. Streamflow forecast uncertainty arises from three primary sources: (1) uncertain knowledge of future weather conditions, (2) uncertainty in the forecasting procedure, and (3) errors in the data. The forecast, therefore, must be interpreted not as a single value but rather as a range of values with specific probabilities of occurrence. The middle of the range is expressed by the 50% exceedance probability forecast, for which there is a 50% chance that the actual flow will be above, and a 50% chance that the actual flow will be below, this value. To describe the expected range around this 50% value, four other forecasts are provided, two smaller values (90% and 70% exceedance probability) and two larger values (30%, and 10% exceedance probability). For example, there is a 90% chance that the actual flow will be more than the 90% exceedance probability forecast. The others can be interpreted similarly.

The wider the spread among these values, the more uncertain the forecast. As the season progresses, forecasts become more accurate, primarily because a greater portion of the future weather conditions become known; this is reflected by a narrowing of the range around the 50% exceedance probability forecast. Users should take this uncertainty into consideration when making operational decisions by selecting forecasts corresponding to the level of risk they are willing to assume about the amount of water to be expected. If users anticipate receiving a lesser supply of water, or if they wish to increase their chances of having an adequate supply of water for their operations, they may want to base their decisions on the 90% or 70% exceedance probability forecasts, or something in between. On the other hand, if users are concerned about receiving too much water (for example, threat of flooding), they may want to base their decisions on the 30% or 10% exceedance probability forecasts, or something in between. Regardless of the forecast value users choose for operations, they should be prepared to deal with either more or less water. (Users should remember that even if the 90% exceedance probability forecast is used, there is still a 10% chance of receiving less than this amount.) By using the exceedance probability information, users can easily determine the chances of receiving more or less water.

Interpreting Water Supply Forecasts

Each month, five forecasts are issued for each forecast point and each forecast period. Unless otherwise specified, all streamflow forecasts are for streamflow volumes that would occur naturally without any upstream influences. Water users need to know what the different forecasts represent if they are to use the information correctly when making operational decisions. The following is an explanation of each of the forecasts.

90 Percent Chance of Exceedance Forecast. There is a 90 percent chance that the actual streamflow volume will exceed this forecast value, and there is a 10 percent chance that the actual streamflow volume will be less than this forecast value.

70 Percent Chance of Exceedance Forecast. There is a 70 percent chance that the actual streamflow volume will exceed this forecast value, and there is a 30 percent chance that the actual streamflow volume will be less than this forecast value.

50 Percent Chance of Exceedance Forecast. There is a 50 percent chance that the actual streamflow volume will exceed this forecast value, and there is a 50 percent chance that the actual streamflow volume will be less than this forecast value. Generally, this forecast is the middle of the range of possible streamflow volumes that can be produced given current conditions.

30 Percent Chance of Exceedance Forecast. There is a 30 percent chance that the actual streamflow volume will exceed this forecast value, and there is a 70 percent chance that the actual streamflow volume will be less than this forecast value.

10 Percent Chance of Exceedance Forecast. There is a 10 percent chance that the actual streamflow volume will exceed this forecast value, and there is a 90 percent chance that the actual streamflow volume will be less than this forecast value.

*Note: There is still a 20 percent chance that actual streamflow volumes will fall either below the 90 percent exceedance forecast or above the 10 percent exceedance forecast.

These forecasts represent the uncertainty inherent in making streamflow predictions. This uncertainty may include sources such as: unknown future weather conditions, uncertainties associated with the various prediction methodologies, and the spatial coverage of the data network in a given basin.

30-Year Average. The 30-year average streamflow for each forecast period is provided for comparison. The average is based on data from 1971-2000. The % AVG. column compares the 50% chance of exceedance forecast to the 30-year average streamflow; values above 100% denote when the 50% chance of exceedance forecast would be greater than the 30-year average streamflow.

AF - Acre-feet, forecasted volume of water are typically in thousands of acre-feet.

These forecasts are given to users to help make risk-based decisions. Users can select the forecast corresponding to the level of risk they are willing to accept in order to minimize the negative impacts of having more or less water than planned for.

To Decrease the Chance of Having Less Water than Planned for: A user might determine that making decisions based on a 50 percent chance of exceedance forecast is too much risk to take (there is still a 50% chance that the user will receive less than this amount). To reduce the risk of having less water than planned for, users can base their operational decisions on one of the forecasts with a greater chance of being exceeded such as the 90 or 70 percent exceedance forecasts.

To Decrease the Chance of Having More Water than Planned for: A user might determine that making decisions based on a 50 percent chance of exceedance forecast is too much risk to take (there is still a 50% chance that the user will receive more than this amount). To reduce the risk of having more water than planned for, users can base their operational decisions on one of the forecasts with a lesser chance of being exceeded such as the 30 or 10 percent exceedance forecasts.

Using the forecasts - an Example

Using the 50 Percent Exceedance Forecast. Using the example forecasts shown below, there is a 50% chance that actual streamflow volume at the Boise River near Twin Springs will be less than 685 KAF between April 1 and July 31. There is also a 50% chance that actual streamflow volume will be greater than 685 KAF.

Using the 90 and 70 Percent Exceedance Forecasts. If an unexpected shortage of water could cause problems (such as irrigated agriculture), users might want to plan on receiving 610 KAF (from the 70 percent exceedance forecast). There is a 30% chance of receiving *less* than 610 KAF.

Alternatively, if users determine the risk of using the 70 percent exceedance forecast is too great, then they might plan on receiving 443 KAF (from the **90** percent exceedance forecast). There is 10% chance of receiving less than 443 KAF.

Using the 30 or 10 Percent Exceedance Forecasts. If an unexpected excess of water could cause problems (such as operating a flood control reservoir), users might plan on receiving 760 KAF (from the 30 percent exceedance forecast). There is a 30% chance of receiving *more* than 760 KAF.

Alternatively, if users determine the risk of using the 30 percent exceedance forecast is too great, then they might plan on receiving 927 KAF (from the 10 percent exceedance forecast). There is a 10% chance of receiving more than 927 KAF.

Users could also choose a volume in between any of these values to reflect their desired risk level.

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OWYHEE AND MALHEUR BASINS
Streamflow Forecasts - February 1, 2006

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Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>>						30-Yr Avg. (1000AF)
		=====		Chance Of Exceeding *		=====		
		90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF) (% AVG.)		30% (1000AF)	10% (1000AF)	
MALHEUR near Drewsey	FEB-JUL	148	184	210	165	238	282	127
	APR-SEP	87	110	128	168	147	177	76
NF MALHEUR at Beulah	FEB-JUL	108	127	141	157	156	178	90
OWYHEE RESV INFLOW (2)	FEB-JUL	602	792	935	134	1090	1340	700
	APR-SEP	341	473	575	134	687	869	430

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

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Official Business



Issued by

**Arlen Lancaster, Chief
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U.S. Department of Agriculture**

Released by

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This publication may be found online at:

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