



United States
Department of
Agriculture



Natural Resources
Conservation
Service

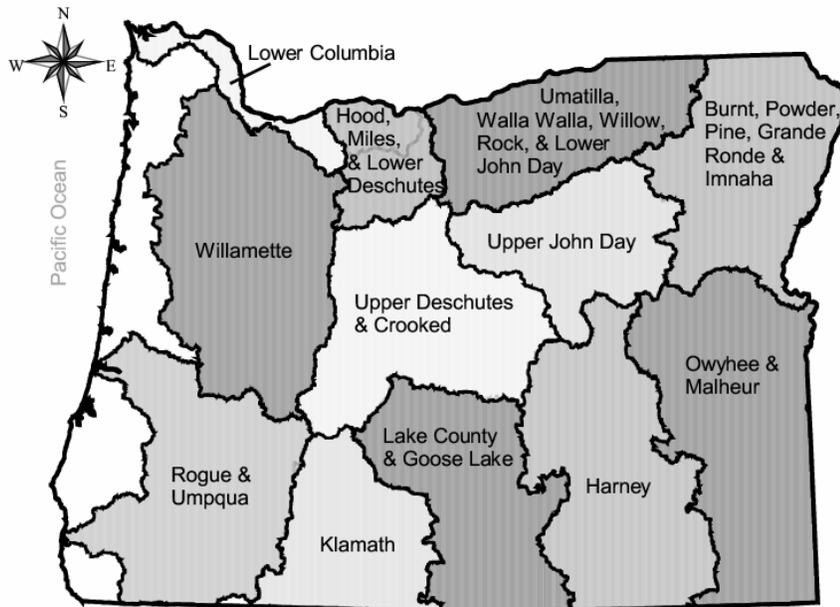
Oregon Basin Outlook Report

May 1, 2007



Contents

General Outlook	1
Basin Outlook Reports	
Owyhee and Malheur Basins	3
Burnt, Powder, Grand Ronde, and Imnaha Basins	5
Umatilla, Walla Walla, Willow Rock, and Lower John Day Basins	8
Upper John Day Basin	10
Upper Deschutes and Crooked Basins	12
Hood, Mile Creeks, and Lower Deschutes Basins	15
Lower Columbia Basin	17
Willamette Basin	19
Rogue and Umpqua Basins	23
Klamath Basin	26
Lake County and Goose Lake	28
Harney Basin	30
Low Flow Forecasts For Oregon	32
Summary of Snow Course Data	34
Basin Outlook Reports; How Forecasts Are Made	37
Interpreting Water Supply Forecasts	38



The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

General Outlook

March 1, 2007

SUMMARY

The May 1 snow pack was below normal throughout Oregon. Eastern Oregon basins fell short of a normal snowpack this winter. Those basins with below normal winter snowpacks then saw rapid melt in March and April. Only the Willamette and Deschutes basins approached a normal snowpack this past winter. In many areas of Eastern Oregon, the melt out is 2-3 weeks ahead of schedule.

With the below normal winter snowfall and early melt off, many water users, particularly in Eastern Oregon, will see well below normal spring runoff and summer stream flows this year. The water supply and reservoir inflow forecasts summarized in this report illustrate more details on these conditions. Water users in some Eastern Oregon basins should begin to enact water conservation measures.

SNOWPACK

The snow had melted at all but 47 out of 112 SNOTEL sites in Oregon as of May 1. Normally, 101 of these sites are snow covered on May 1. Statewide, May 1 snowpack as measured at 112 SNOTEL sites and snow courses was 61 percent of average. Many basins in the state have lost snow at all but the highest elevations.

PRECIPITATION

April precipitation totals varied throughout the state. In general, April was drier than normal in most regions of Oregon. Southeastern Oregon had near normal April precipitation. Precipitation for the month of April for the rest of Oregon varied from 63 to 88 percent of average. Since the beginning of the water year, statewide precipitation totals are slightly below to near normal. Large storms in November, December and February brought most of the precipitation Oregon had this winter.

RESERVOIRS

Oregon irrigation reservoirs were boosted last month from snow melt. The May 1 storage at 27 major Oregon reservoirs analyzed in this publication was 94 percent of average. A total of 2,486,300 acre feet of water were stored on May 1, representing 76 percent of capacity. May through September inflow forecasts to many of the irrigation reservoirs east of the Deschutes are significantly below average. While current conditions appear close to average, much of the annual runoff has already occurred. Without significant conservation, many reservoirs may be well below average one month from now.

STREAMFLOW

Summer streamflow forecasts for the southeastern corner of Oregon reflect the poor water year and light winter snowpack. Many streams in southeastern Oregon are expected to have half of their normal streamflow this coming summer.

As a result of the rapid snow melt in March and April, Willamette basin summer streamflow forecasts have dropped considerably since last month. Next month, final forecasts will be issued here for summer 2007 Oregon streamflows.

STREAM	PERIOD	PERCENT OF AVERAGE
Owyhee Net Inflow	May - July	39
Grande Ronde at La Grande	May - September	62
Umatilla at Pendleton	May - September	70
Deschutes at Benham Falls	May - September	96
Willamette MF near Oakridge	May - September	90
Rogue at Raygold	May - September	81
Upper Klamath L. Net Inflow	May - September	72
Silvies near Burns	May - September	42

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

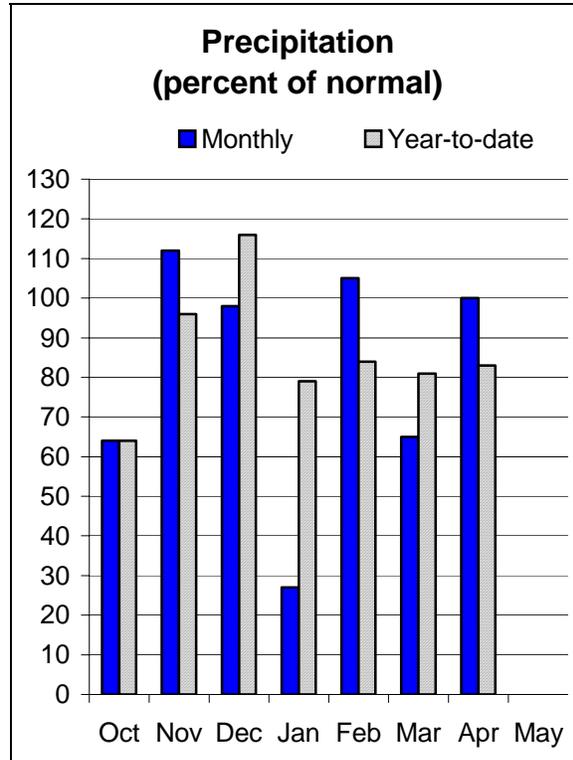
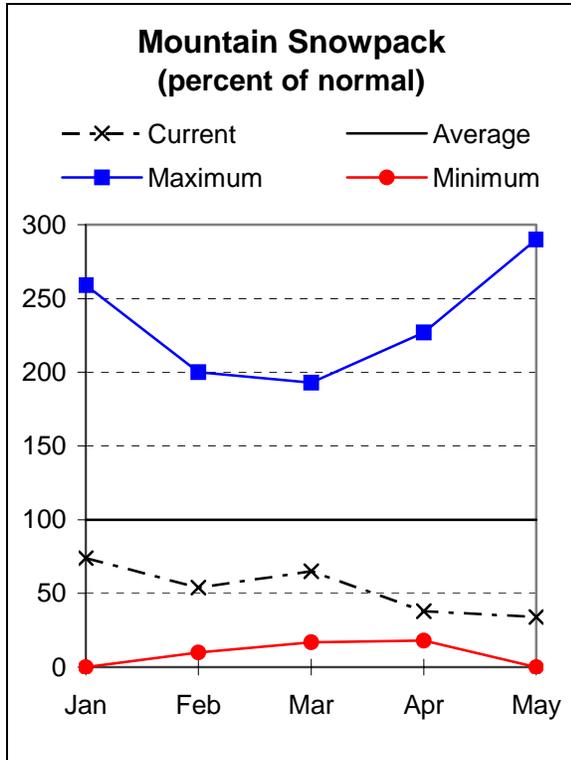
The forecasts in this bulletin are a result of coordinated activity between the Natural Resources Conservation Service and the National Weather Service as an effort to provide the best possible service to water users.

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

May 1, 2007



Water Supply Outlook

The Owyhee and Malheur basin had average precipitation in April. April precipitation failed to offset the winter deficit in the basin however. Since the beginning of the water year, total precipitation in the basin has been 83 percent of average.

The May 1 snowpack in the Owyhee and Malheur was only 34 percent of normal. At the beginning of the month, 5 out of 17 SNOTEL sites in the basin had snow remaining. Normally, 16 of these sites have at least some snow on May 1. Basin wide, the melt out is 5 weeks ahead of the normal schedule.

As of May 1, storage at Beulah, Bully Creek, Owyhee and Warm Springs reservoirs was 89 percent of average. Reservoir inputs are expected to fall off significantly in the coming months. May through September streamflow forecasts in the Owyhee and Malheur range from 37 percent of average for the inflow to Owyhee reservoir to 54 percent of average for the North Fork Malheur near Buelah. Water users can expect significantly reduced supplies 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/cgi-bin/bor.pl>

OWYHEE AND MALHEUR BASINS
Streamflow Forecasts - May 1, 2007

Forecast Point	Forecast Period	<<==== Drier ===== Future Conditions ===== Wetter =====>>						30-Yr Avg. (1000AF)				
		90% (1000AF)		70% (1000AF)		Chance Of Exceeding * (1000AF) (% AVG.)			30% (1000AF)		10% (1000AF)	
MALHEUR near Drewsey	MAY-JUL	5.8	10.4	14.4	41	19.0	27	35				
	MAY-SEP	6.0	11.0	15.1	41	19.9	28	37				
NF MALHEUR at Beulah	MAY-JUL	9.5	15.2	19.8	54	25	34	37				
	MAY-SEP	10.3	17.2	23	54	30	41	43				
OWYHEE RESV INFLOW (2)	MAY-JUL	39	67	87	39	107	135	225				
	MAY-SEP	33	54	93	37	140	230	255				
OWYHEE near Rome	MAY-JUL	15.0	49	84	40	128	210	210				
SUCCOR CK nr Jordan Valley	MAY-JUL	1.4	2.3	3.1	44	4.0	5.5	7.1				

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

OWYHEE AND MALHEUR BASINS
Watershed Snowpack Analysis - May 1, 2007

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	47.5	58.3	51.2	Owyhee River	7	5	5
BULLY CREEK	30.0	24.0	30.0	25.6	Malheur	3	0	0
OWYHEE	715.0	553.9	690.9	613.6	Jordan Creek	1	0	0
WARMSPRINGS	191.0	123.6	176.0	149.9	Bully Creek	0	0	0

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

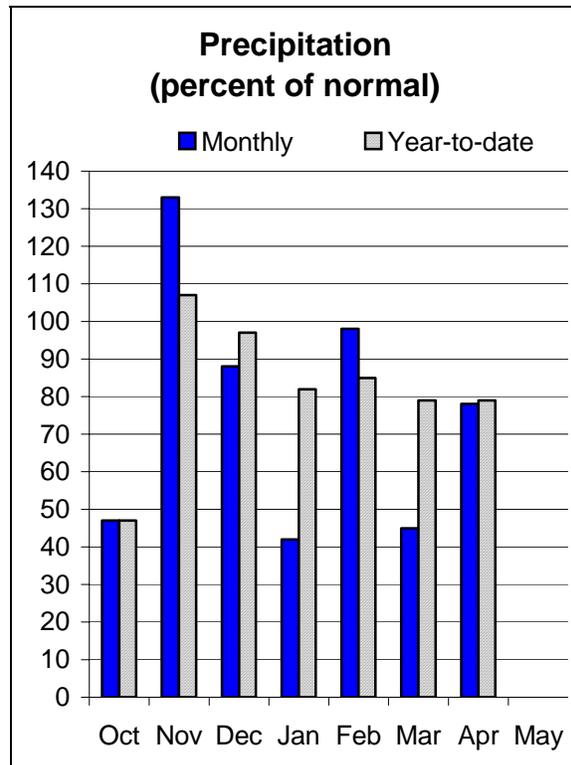
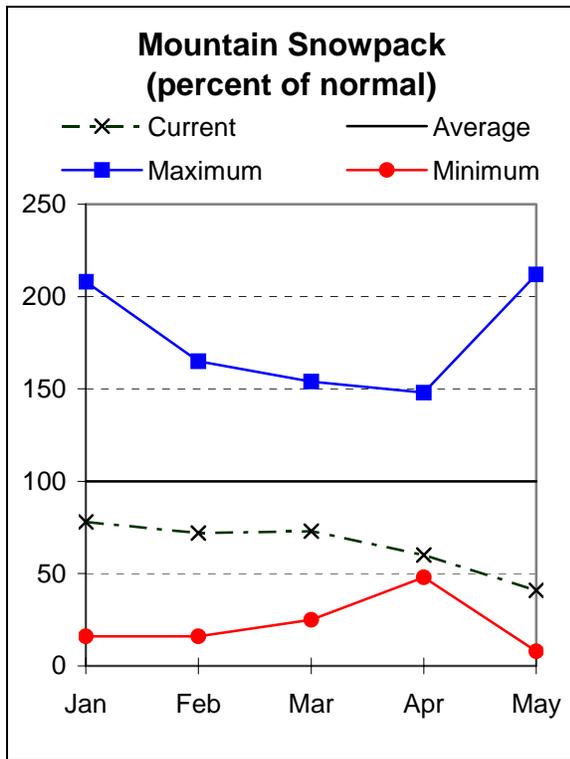
(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

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



Burnt, Powder, Grand Ronde, and Imnaha Basins

May 1, 2007



Water Supply Outlook

April continued a dry trend in the Burnt, Powder, Pine, Grande Ronde and Imnaha Basins this water year. Only the months of February and November had average or above precipitation this winter. Since the beginning of the water year, total precipitation in the basin has been 79 percent of average.

The May 1 snowpack in the Burnt, Powder, Pine, Grand Ronde and Imnaha basin was only 41 percent of normal. At the beginning of the month, 5 out of 14 SNOTEL sites and snow courses in the basin had snow remaining. Normally, all of these sites have at least some snow on May 1. Basin wide, the melt out is 3 weeks ahead of the normal schedule.

On May 1, storage at Phillips Lake, Thief Valley and Unity reservoirs was 86 percent of average for this time of year. This represents 88 percent of capacity. May through September streamflow forecasts range from 30 percent of average for the Burnt near Hereford to 75 percent of average for Hurricane creek near Joseph. Elsewhere in the basin, the Grande Ronde at LaGrande is forecast to be 62 percent of average for the May through September period. The Powder river near Sumptner is forecast to be 43 percent of average for the May through September period. Water users can expect reduced supplies 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>

=====

BURNT, POWDER, PINE, GRANDE RONDE AND IMNAHA BASINS
Streamflow Forecasts - May 1, 2007

=====

Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>>				30-Yr Avg. (1000AF)		
		90% (1000AF)	70% (1000AF)	Chance Of Exceeding * 50% (Most Probable) (1000AF) (% AVG.)			30% (1000AF)	10% (1000AF)
ANTHONY CK bl NF nr North Powder	MAY-JUL	5.1	6.5	7.5	52	8.6	10.3	14.3
BEAR CREEK near Wallowa	MAY-SEP	31	37	41	73	46	53	56
BIG CK bl Burn Ck nr Medical Spgs	MAY-JUL	1.5	2.5	3.4	51	4.4	6.1	6.7
BURNT near Hereford (2)	MAY-JUL	2.1	3.8	5.2	30	6.8	9.7	17.3
	MAY-SEP	2.5	4.3	5.7	30	7.3	10.1	19.1
CATHERINE CREEK near Union	MAY-SEP	21	27	32	60	37	45	53
DEER CK nr Sumpster	MAY-JUL	2.0	3.1	4.0	38	5.0	6.6	10.5
EAGLE CREEK abv Skull Creek	MAY-JUL	54	68	78	57	89	107	136
	MAY-SEP	60	75	86	57	98	117	151
GRANDE RONDE at La Grande	MAY-JUL	33	51	66	62	82	110	106
	MAY-SEP	35	54	69	62	86	114	112
GRANDE RONDE at Troy (1)	MAY-JUL	355	525	600	66	675	845	910
	MAY-SEP	505	600	665	66	735	845	1010
HURRICANE CREEK near Joseph	MAY-SEP	23	27	30	75	33	38	40
IMNAHA at Imnaha	MAY-SEP	91	120	141	59	164	200	240
LOSTINE near Lostine	MAY-SEP	57	67	75	67	83	95	112
PINE CREEK near Oxbow	MAY-JUL	31	43	53	49	64	81	108
POWDER near Sumpster (2)	MAY-JUL	10.5	14.6	17.8	43	21	27	41
	MAY-SEP	10.4	14.8	18.1	43	22	28	42
EF WALLOWA near Joseph	MAY-SEP	5.7	6.7	7.4	72	8.2	9.4	10.3
WALLOWA at Joseph (2)	MAY-JUL	34	40	44	75	48	55	59
WOLF CK RESERVOIR inflow	MAY-JUN	3.9	5.6	6.8	66	8.2	10.4	10.3

BURNT, POWDER, PINE, GRANDE RONDE AND IMNAHA BASINS
Reservoir Storage (1000 AF) - End of April

BURNT, POWDER, PINE, GRANDE RONDE AND IMNAHA BASINS
Watershed Snowpack Analysis - May 1, 2007

Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
PHILLIPS LAKE	73.5	50.1	55.3	59.9	Grande Ronde ab LaGrande	6	27	52
THIEF VALLEY	17.4	12.2	13.8	17.5	Powder River	6	0	32
UNITY	25.2	24.7	23.6	24.3	Wallowa,Imnaha,Catherine	5	46	54
WALLOWA LAKE	37.5	16.8	19.1	22.6	Burnt River	3	0	0
WOLF CREEK	10.4	6.2	3.4	9.4				

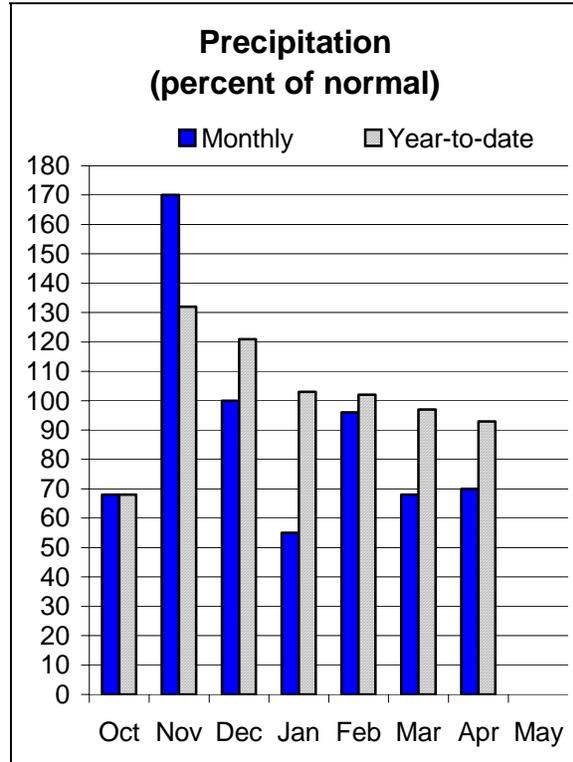
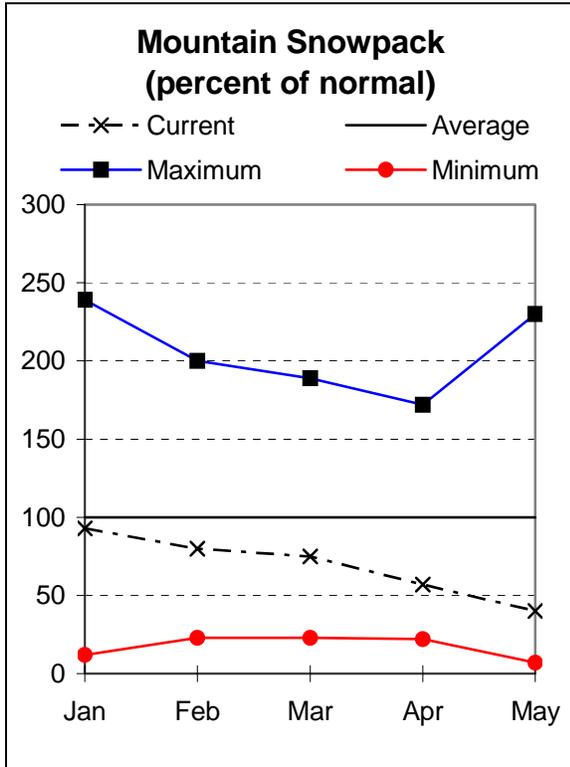
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

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



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

May 1, 2007



Water Supply Outlook

April precipitation was only 70 percent of average in the Umatilla, Walla Walla, Willow, Rock and Lower John Day basin. The total precipitation since the beginning of the water year has been 93 percent of average.

The May 1 snowpack in the Umatilla, Walla Walla, Willow, Rock and Lower John Day basin was only 40 percent of normal. At the beginning of the month, 3 out of 11 SNOTEL sites and snow courses in the basin had snow remaining. Normally, 9 out of these 11 sites have at least some snow on May 1. Basin wide, the melt out is 3 weeks ahead of the normal schedule.

May 1 storage at Cold Springs and McKay reservoirs was 88 percent of average for this time of year. This represents 84 percent of capacity. May through September streamflow forecasts for the basin range from 70 percent of average for the Umatilla at Pendleton to 88 percent of average for the South Fork of the Walla Walla near Milton-Freewater. The May through September streamflow for McKay creek near Pilot Rock is forecast to run 78 percent of average. Water users in the basin should plan for reduced supplies this coming summer.

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 - May 1, 2007

Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>>				30-Yr Avg. (1000AF)		
		90% (1000AF)	70% (1000AF)	Chance Of Exceeding * 50% (Most Probable) (1000AF) (% AVG.)			30% (1000AF)	10% (1000AF)
BUTTER CK nr Pine City	MAY-JUL	2.0	3.0	3.8	81	4.7	6.1	4.7
COUSE CREEK near Milton-Freewater	MAY-JUL	0.6	1.0	1.3	69	1.6	2.2	1.9
MCKAY near Pilot Rock	MAY-SEP	1.1	6.2	9.7	78	13.2	18.2	12.4
PINE CREEK near Weston	MAY-JUL	0.4	0.6	0.7	73	0.9	1.2	1.0
RHEA CREEK near Heppner	MAY-JUL	1.1	2.1	3.0	88	4.0	5.8	3.4
ROCK CREEK above Whyte	MAY-JUL	0.8	2.3	3.8	84	5.6	9.0	4.5
UMATILLA near Gibbon	MAY-JUL	20	28	34	81	41	52	42
	MAY-SEP	25	32	38	79	44	54	48
UMATILLA at Pendleton	MAY-JUL	43	51	56	72	62	71	78
	MAY-SEP	46	53	59	70	65	74	84
SF WALLA WALLA near Milton-Freewater	MAY-JUL	27	30	33	87	36	40	38
	MAY-SEP	38	42	45	88	48	53	51
WILLOW CREEK LAKE INFLOW	MAY-JUL	0.8	1.8	2.7	69	3.7	5.6	3.9

UMATILLA, WALLA WALLA, WILLOW, ROCK AND LOWER JOHN DAY BASINS					UMATILLA, WALLA WALLA, WILLOW, ROCK AND LOWER JOHN DAY BASINS			
Reservoir Storage (1000 AF) - End of April					Watershed Snowpack Analysis - May 1, 2007			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of Last Yr Average	
		This Year	Last Year	Avg				
COLD SPRINGS	50.0	32.7	37.1	42.7	Walla Walla River	3	40	53
MCKAY	73.8	59.5	63.4	61.6	Umatilla River	7	37	44
WILLOW CREEK		NO REPORT			McKay Creek	4	0	0

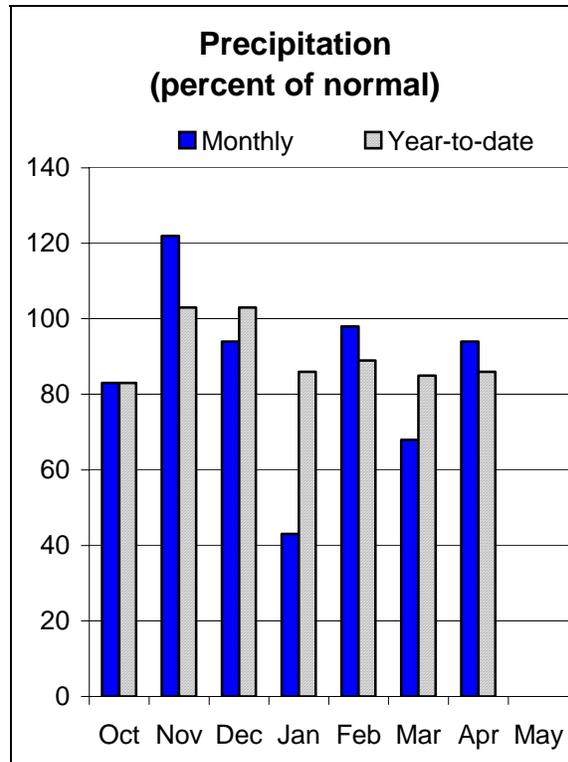
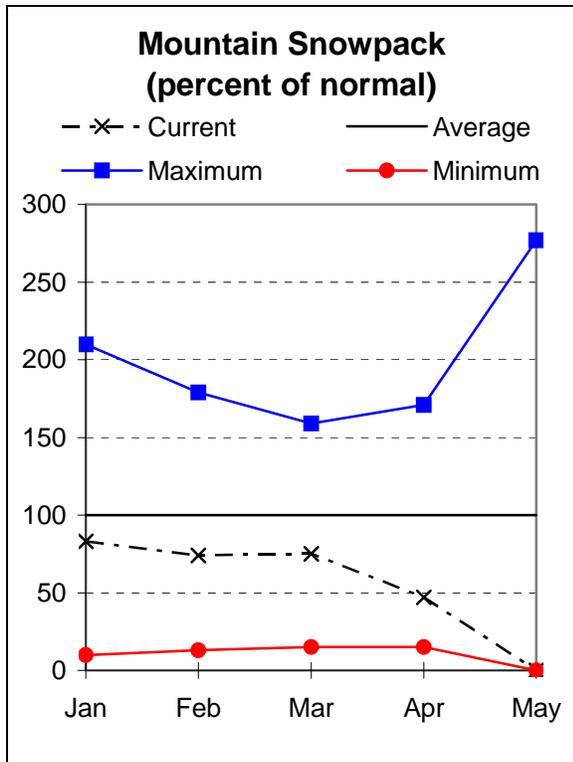
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

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



Upper John Day Basin

May 1, 2007



Water Supply Outlook

April precipitation was near average in the Upper John Day basin. The total precipitation since the beginning of the water year has been only 96 percent of average.

At the beginning of the month, only 1 out of 11 SNOTEL sites and snow courses in the Upper John Day basin had snow remaining. Normally, 10 of these sites have at least some snow on May 1. Basin wide, the melt out is 4 weeks ahead of the normal schedule. This has not been a good snow year for the John Day.

May through September streamflow forecasts for the Upper John Day basin range from 55 percent of average for the Middle Fork John Day at Ritter to 77 percent of average for Strawberry Creek near Prairie City. The April through September streamflow forecast for the North Fork of the John Day at Monument is 59 percent of average. Water users in the Upper John day will need to plan for below normal supplies this coming summer.

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 - May 1, 2007

=====

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)	
MF JOHN DAY at Ritter	MAY-JUL	24	35	43	55	52	67	78
	MAY-SEP	27	38	46	55	55	71	83
NF JOHN DAY at Monument	MAY-JUL	125	179	220	59	265	340	375
	MAY-SEP	133	188	230	59	275	355	390
MOUNTAIN CREEK near Mitchell	MAY-JUL	0.4	1.0	1.6	57	2.2	3.5	2.7
STRAWBERRY CREEK nr Prairie City	MAY-JUL	4.0	4.6	5.1	77	5.6	6.3	6.6
	MAY-SEP	4.5	5.1	5.6	77	6.1	6.8	7.3

=====

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

=====

=====

UPPER JOHN DAY BASIN
Watershed Snowpack Analysis - May 1, 2007

=====

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	0	32
					John Day above Dayville	4	0	0

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

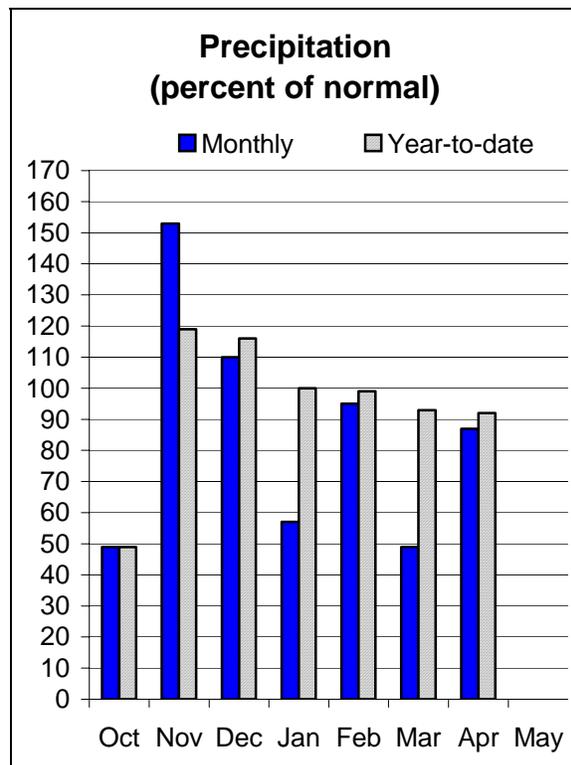
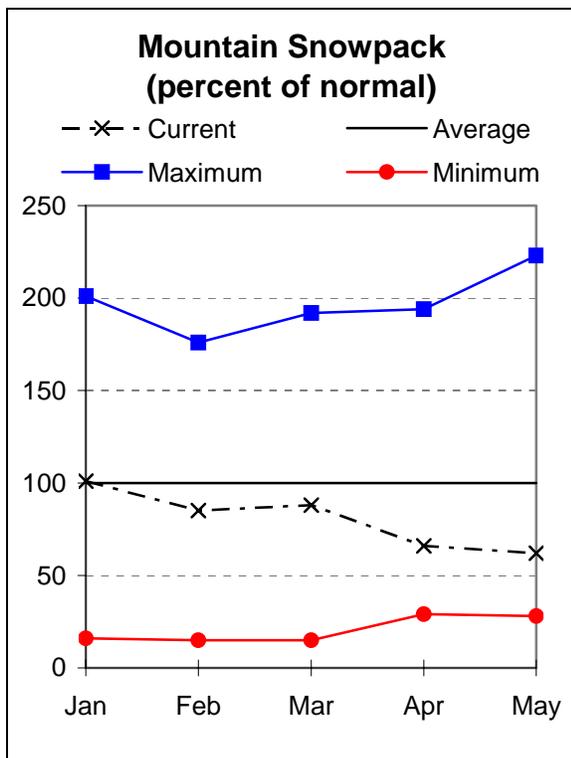
(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

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



Upper Deschutes and Crooked Basins

May 1, 2007



Water Supply Outlook

April precipitation was 87 percent of average in the Upper Deschutes and Crooked River basin. The total precipitation since the beginning of the water year has been 92 percent of average.

The May 1 snowpack in the Upper Deschutes and Crooked River basin was 62 percent of normal. At the beginning of the month, 6 out of 15 SNOTEL sites and snow courses in the basin had snow remaining. Normally, 14 of these 15 sites have at least some snow on May 1. Basin wide, the melt out is 3 weeks ahead of the normal schedule.

Storage in five of the Upper Deschutes and Crooked River reservoirs at the end of April was 103 percent of average and 87 percent of capacity. The May through September inflow to Prineville reservoir is forecast to be only 39 percent of average. The April through September inflow to Ochoco reservoir is forecast to be 50 percent of average. The Deschutes at Benham Falls is forecast to be 96 percent of average for the April through September period. Water users in the Crooked River basin will need to plan for significantly reduced supplies this coming summer, while Deschutes basin water users can expect slightly below normal water supplies.

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>

=====

UPPER DESCHUTES AND CROOKED BASINS
Streamflow Forecasts - May 1, 2007

=====

Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>>				30-Yr Avg. (1000AF)		
		90% (1000AF)	70% (1000AF)	Chance Of Exceeding * 50% (Most Probable) (1000AF) (% AVG.)			30% (1000AF)	10% (1000AF)
BEAVER CREEK near Paulina	MAY-JUL	0.2	1.5	2.9	30	4.8	8.6	9.8
	MAY-SEP	0.2	1.4	2.9	29	4.9	8.8	9.9
CRANE PRAIRIE RESERVOIR INFLOW	MAY-JUL	31	38	43	88	48	57	49
	MAY-SEP	55	66	74	89	83	96	83
CRESCENT CREEK near Crescent	MAY-JUL	6.5	9.8	12.4	88	15.4	20	14.1
	MAY-SEP	7.6	12.0	15.5	87	19.5	26	17.8
DESCHUTES below Bend (2)	AUG-SEP	135	145	152	91	159	169	168
DESCHUTES at Benham Falls	MAY-JUL	245	255	260	96	265	275	270
	MAY-SEP	400	415	425	96	435	450	445
DESCHUTES below Snow Creek	MAY-JUL	14.8	20	24	89	28	35	27
	MAY-SEP	30	39	46	87	54	66	53
LITTLE DESCHUTES near La Pine	MAY-JUL	28	38	46	89	54	68	52
	MAY-SEP	30	42	52	85	63	80	61
NF CROOKED blw Lookout Ck	MAY-JUL	0.3	1.1	1.9	44	2.9	4.7	4.3
OCHOCO RESERVOIR INFLOW	MAY-JUL	1.3	3.3	5.2	51	7.5	11.7	10.3
	MAY-SEP	1.1	3.1	5.1	50	7.6	12.0	10.3
PRINEVILLE RESERVOIR INFLOW	MAY-JUL	3.3	10.3	17.2	39	26	42	44
	MAY-SEP	2.5	9.9	17.7	39	28	47	45
WHYCHUS CREEK nr Sisters	MAY-JUL	23	26	28	88	30	34	32
	MAY-SEP	32	36	39	89	42	46	44
TUMALO CREEK near Bend	MAY-JUL	23	26	28	90	30	34	31
	MAY-SEP	30	33	36	90	39	43	40
WICKIUP RESERVOIR INFLOW	MAY-JUL	117	128	136	98	144	156	139
	MAY-SEP	220	240	250	98	260	280	255

=====

UPPER DESCHUTES AND CROOKED BASINS Reservoir Storage (1000 AF) - End of April					UPPER DESCHUTES AND CROOKED BASINS Watershed Snowpack Analysis - May 1, 2007			
Reservoir	Usable Capacity	*** Usable Storage This Year	Last Year	*** Avg	Watershed	Number of Data Sites	This Year as % of Last Yr	% of Average
CRANE PRAIRIE	55.3	53.6	41.3	44.9	Crooked, Ochoco	4	0	0
CRESCENT LAKE	86.9	49.1	23.9	55.5	Deschutes above Wickiup	3	68	80
OCHOCO	47.5	42.9	39.6	36.0	Little Deschutes	4	71	92
PRINEVILLE	153.0	149.3	134.8	145.0	Tumalo and Squaw Creeks	4	47	63
WICKIUP	200.0	191.3	194.1	188.5				

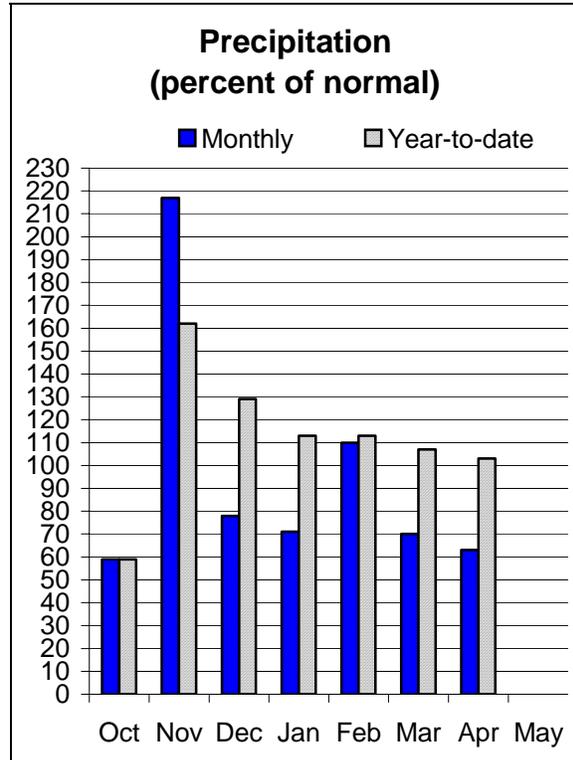
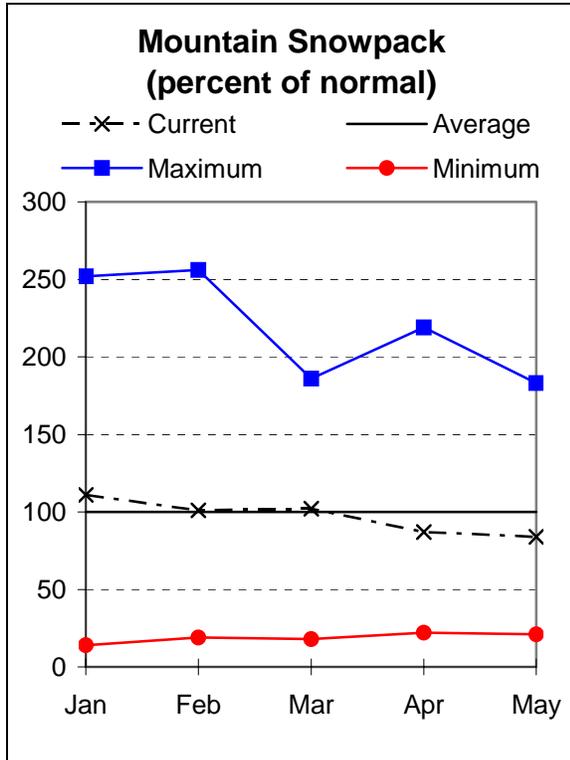
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

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



Hood, Mile Creeks, and Lower Deschutes Basins

May 1, 2007



Water Supply Outlook

April precipitation was 63 percent of average in the Hood, Mile Creeks and Lower Deschutes basin. The total precipitation since the beginning of the water year has been 103 percent of average. The colossal storm of November 2006 continues to boost the annual precipitation in this basin.

The May 1 snowpack in the Hood, Mile Creeks and Lower Deschutes basin was 84 percent of normal, the best in the state. At the beginning of the month, 5 out of 8 SNOTEL sites in the basin had snow remaining. Normally, 7 of these 8 sites have at least some snow on May 1. Basin wide, the melt out is 2 weeks ahead of the normal schedule.

The May through September streamflow forecast for the Hood River at Tucker bridge is 77 percent of average. The May through September streamflow forecast for the White River below Tygh Valley is 88 percent of average. Water users in the basin can anticipate somewhat less than normal supplies this coming summer.

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 - May 1, 2007

Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>>				30-Yr Avg. (1000AF)		
		90% (1000AF)	70% (1000AF)	Chance Of Exceeding * 50% (Most Probable) (1000AF) (% AVG.)			30% (1000AF)	10% (1000AF)
HOOD at Tucker Bridge	MAY-JUL	91	105	115	75	125	139	153
	MAY-SEP	121	138	150	77	162	179	196
WF HOOD near Dee	MAY-JUL	49	58	64	81	70	79	79
	MAY-SEP	64	75	82	83	89	100	99
WHITE below Tygh Valley	MAY-JUL	50	58	63	88	69	78	72
	MAY-SEP	62	70	76	88	82	91	86

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

HOOD, MILE CREEKS AND LOWER DESCHUTES BASINS
Watershed Snowpack Analysis - May 1, 2007

Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
CLEAR LAKE (WASCO)	11.9	5.9	3.6	5.2	Hood River	6	72	80
					Mile Creeks	0	0	0
					White River	3	68	73

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

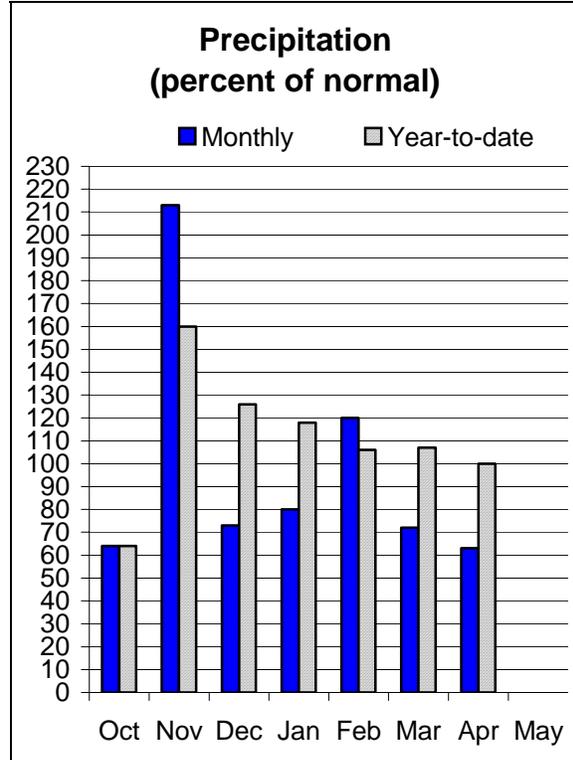
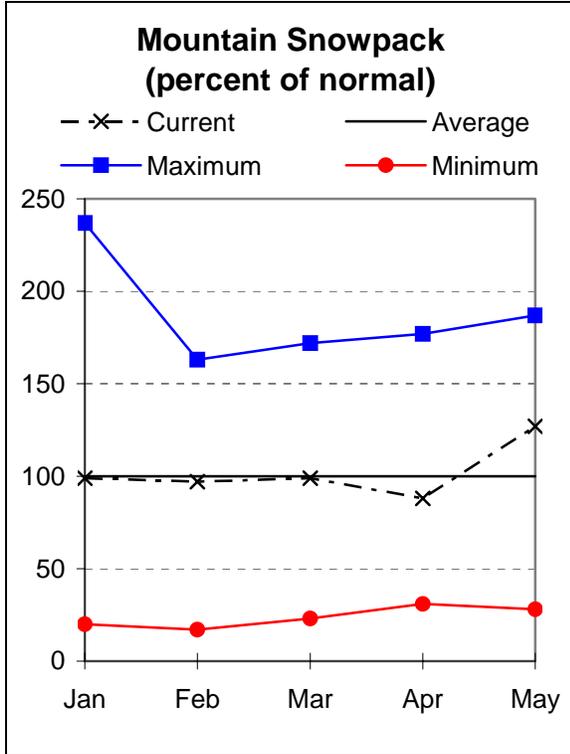
(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

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



Lower Columbia Basin

May 1, 2007



Water Supply Outlook

April precipitation was 63 percent of average in the Lower Columbia basin. Precipitation since the beginning of the water year has been average in the Lower Columbia.

The May 1 snowpack in the Lower Columbia basin was 127 percent of normal, boosted greatly by the Canadian lands in the basin. The basin snow pack drawing from the United States lost considerable ground in April due to rapid melt. Basin wide, the melt out is approximately 2 weeks ahead of the normal schedule.

The May through September flow for the Columbia River at The Dalles is forecast to be 91 percent of average. The May through September flow for the Sandy river near Marmot is forecast to be 77 percent of average. Water users in the Lower Columbia can anticipate somewhat less than normal supplies this coming summer.

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>

=====

LOWER COLUMBIA BASIN
Streamflow Forecasts - May 1, 2007

=====

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)	
COLUMBIA R. at The Dalles (2)	MAY-JUL	54100	59800	63700	90	67600	73300	70500
	MAY-SEP	65100	72000	76600	91	81200	88100	84500
SANDY near Marmot	MAY-JUL	117	144	162	78	180	207	209
	MAY-SEP	149	179	200	77	221	251	259

LOWER COLUMBIA BASIN Reservoir Storage (1000 AF) - End of April					LOWER COLUMBIA BASIN Watershed Snowpack Analysis - May 1, 2007			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
					Sandy River	5	66	78

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

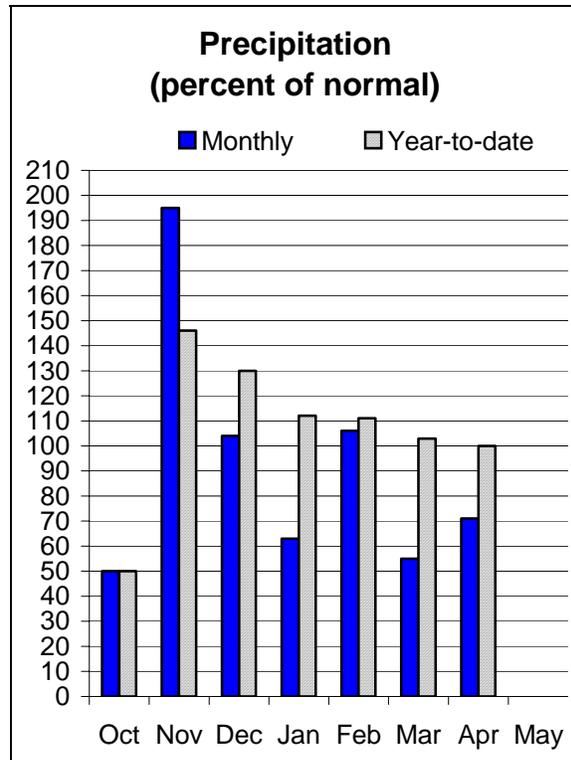
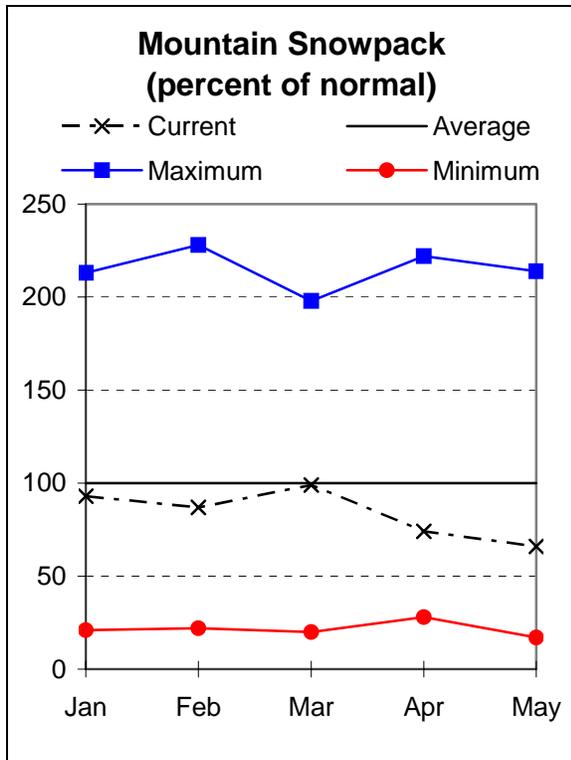
(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

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



Willamette Basin

May 1, 2007



Water Supply Outlook

April precipitation was only 71 percent of average in the Willamette basin. The total precipitation since the beginning of the water year has been average.

May 1 storage at Hagg and Timothy Lake reservoirs in the Willamette basin was 106 percent of average. The May 1 snowpack in the Willamette basin was 66 percent of normal. At the beginning of the month, 9 out of 19 SNOTEL sites and snow courses in the basin had snow remaining. Normally, 17 of these sites have at least some snow on May 1. Basin wide, the melt out is 3 weeks ahead of the normal schedule.

The stream flow forecasts for the Willamette River and its tributaries have fallen below normal for the May through September period. Major reservoirs in the basin are now forecast to face inflows 70 to 85 percent of normal. The May through September flow for the Willamette at Salem is forecast to be 73 percent of average, a significant change since last months forecast. Some water users in the Willamette basin may anticipate slightly below average flows this coming summer.

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>

=====

WILLAMETTE BASIN
Streamflow Forecasts - May 1, 2007

=====

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)	
BLUE RIVER LAKE INFLOW (1,2)	MAY-JUN	18.0	28	32	74	36	46	43
	MAY-JUL	9.9	27	34	76	42	58	45
	MAY-SEP	12.5	29	36	77	43	60	47
CLACKAMAS at Estacada (2)	MAY-JUL	286	330	360	86	390	434	418
	MAY-SEP	355	406	440	84	474	525	526
CLACKAMAS above Three Lynx (2)	MAY-JUL	222	248	265	85	282	308	312
	MAY-SEP	291	320	340	85	360	389	400
COTTAGE GROVE LAKE INFLOW (1,2)	MAY-JUN	3.1	11.3	15.0	82	18.7	27	18.2
	MAY-SEP	3.6	12.8	17.0	85	21	30	20
COUGAR LAKE INFLOW (1,2)	MAY-JUN	54	82	95	81	108	136	117
	MAY-SEP	95	119	130	81	141	165	161
DETROIT LAKE INFLOW (1,2)	MAY-JUN	106	177	210	73	243	314	286
	MAY-JUL	131	213	250	72	287	369	349
	MAY-SEP	174	264	305	70	346	436	438
DORENA LAKE INFLOW (1,2)	MAY-JUN	11.9	40	52	80	65	92	65
	MAY-SEP	18.4	47	60	80	73	102	75
FALL CREEK LAKE INFLOW (1,2)	MAY-JUN	12.9	34	44	85	54	75	52
	MAY-SEP	17.7	40	50	79	60	82	63
FERN RIDGE LAKE INFLOW (1,2)	MAY-JUN	0.6	8.3	13.8	74	19.3	32	18.6
	MAY-SEP	0.2	2.5	7.4	70	14.2	29	10.6
FOSTER LAKE INFLOW (1,2)	MAY-JUN	55	146	188	74	230	321	253
	MAY-JUL	71	170	215	76	260	359	284
	MAY-SEP	89	196	245	76	294	401	321
GREEN PETER LAKE INFLOW (1,2)	MAY-JUN	38	99	126	75	153	214	168
	MAY-JUL	46	111	140	75	169	234	188
	MAY-SEP	58	129	162	75	195	266	215
HILLS CREEK LAKE INFLOW (1,2)	MAY-MAY	53	74	84	90	94	116	93
	JUN-OCT	112	131	140	85	149	168	164
LITTLE NORTH SANTIAM (1)	MAY-JUL	12.4	43	57	72	71	102	79
	MAY-SEP	17.1	52	68	76	84	119	89

=====

WILLAMETTE BASIN
Streamflow Forecasts - May 1, 2007

=====

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)	
LOOKOUT POINT LAKE INFLOW (1,2)	MAY-MAY	135	194	220	89	246	305	246
	JUN-OCT	261	329	360	90	391	459	402
McKENZIE below Trail Bridge (2)	MAY-JUL	129	141	150	78	159	171	193
	MAY-SEP	198	214	225	81	236	252	279
McKENZIE near Vida (1,2)	MAY-JUL	359	456	500	75	544	641	663
	MAY-SEP	546	652	700	79	748	854	888
MOHAWK near Springfield	MAY-JUL	7.5	22	31	74	41	55	42
OAK GROVE FORK above Power Intake	MAY-JUL	63	71	76	84	81	89	90
	MAY-SEP	93	103	110	87	117	127	127
NORTH SANTIAM at Mehama (1,2)	MAY-JUL	152	281	340	72	399	528	470
	MAY-SEP	223	365	430	75	495	637	572
SOUTH SANTIAM at Waterloo (2)	MAY-JUL	110	185	235	75	285	360	314
	MAY-SEP	127	206	260	74	314	393	353
SCOGGINS CREEK near Gaston (2)	MAY-JUL	1.1	2.7	3.8	70	4.9	6.5	5.4
THOMAS CREEK near Scio	MAY-JUL	7.3	19.6	28	72	36	49	39
MF WILLAMETTE below NF (1,2)	JUN-OCT	280	328	350	90	372	420	391
	MAY-MAY	143	189	210	90	231	277	234
WILLAMETTE at Salem (1,2)	MAY-JUL	951	1590	1880	73	2170	2809	2578
	MAY-SEP	1193	1899	2220	73	2541	3247	3036

=====

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

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

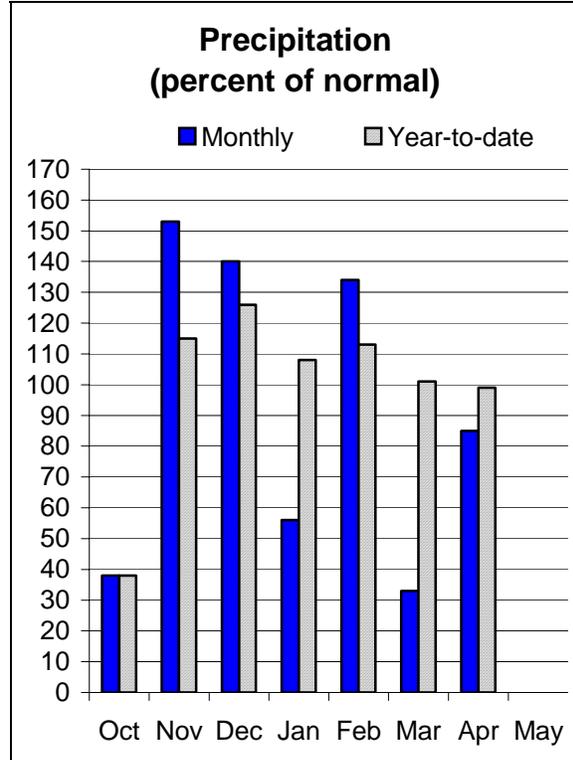
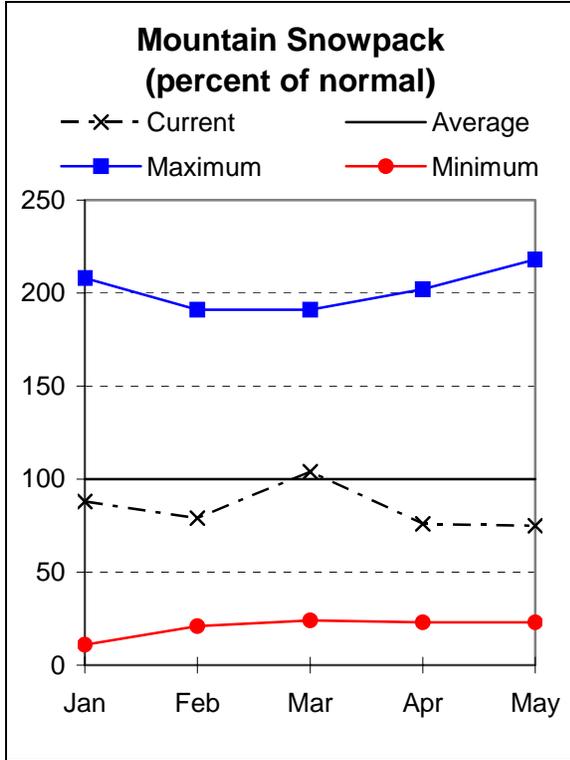
(2) - The value is natural flow - actual flow may be affected by upstream water management.

WILLAMETTE BASIN Reservoir Storage (1000 AF) - End of April					WILLAMETTE BASIN Watershed Snowpack Analysis - May 1, 2007			
Reservoir	Usable Capacity	*** Usable Storage This Year	*** Usable Storage Last Year	*** Avg	Watershed	Number of Data Sites	This Year as % of Last Yr	% of Average
BLUE RIVER **	85.5	72.2	74.9	70.1	Clackamas River	4	34	47
COTTAGE GROVE **	29.8	24.1	24.8	25.9	McKenzie River	4	44	49
COUGAR **	155.2	120.8	120.4	188.3	Row River	1	42	45
DETROIT **	300.7	264.8	237.2	293.6	Santiam River	6	32	27
DORENA **	70.5	53.2	55.3	62.0	Willamette, Middle Fork	6	64	82
FALL CREEK **	115.5	98.4	98.9	96.8				
FERN RIDGE **	109.6	77.3	93.8	93.4				
FOSTER **	29.7	1.2	1.1	11.7				
GREEN PETER **	268.2	211.8	237.0	286.4				
HILLS CREEK **	200.2	154.7	169.7	209.8				
LOOKOUT POINT **	337.0	267.7	282.8	265.0				
TIMOTHY LAKE	61.7	62.4	57.6	56.9				
HENRY HAGG LAKE	53.0	53.4	53.3	52.7				



Rogue and Umpqua Basins

May 1, 2007



Water Supply Outlook

April precipitation was 85 percent of average in the Rogue and Umpqua basin. The total precipitation since the beginning of the water year has been 99 percent of average.

The May 1 snowpack in the Rogue and Umpqua basin was 75 percent of normal. At the beginning of the month, 12 out of 27 SNOTEL sites and snow courses in the basin had snow remaining. Normally, 23 of these sites have at least some snow on May 1. Basin wide, the melt out is 2 weeks ahead of the normal schedule.

At the end of April, storage at 5 reservoirs in the Rogue and Umpqua basins was 119 percent of average or 83 percent of capacity. Summer streamflow forecasts range from 66 percent of average for the inflow to Fourmile Lake to 89 percent of average for the Illinois near Kerby. Elsewhere in the basin, summer streamflows are forecast to be 75 to 85 percent of normal. Water users may experience reduced supplies this coming summer.

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>

=====

ROGUE AND UMPQUA BASINS
Streamflow Forecasts - May 1, 2007

=====

Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>>				30-Yr Avg. (1000AF)		
		90% (1000AF)	70% (1000AF)	Chance Of Exceeding * 50% (Most Probable) (1000AF) (% AVG.)			30% (1000AF)	10% (1000AF)
APPLEGATE LAKE Net Inflow (2)	MAY-JUL	35	50	60	83	70	85	72
	MAY-SEP	40	56	66	85	76	92	78
SF BIG BUTTE CK nr Butte Falls	MAY-JUL	11.1	14.6	17.0	77	19.4	23	22
CLEARWATER above Trap Creek (2)	MAY-SEP	37	39	41	73	43	46	56
COW CREEK near Azalea	MAY-JUL	2.0	3.9	5.1	65	6.3	8.2	7.9
	MAY-SEP	3.2	5.0	6.3	69	7.6	9.4	9.1
FOURMILE LAKE net Inflow (2)	APR-JUL	1.4	2.8	3.8	66	4.8	6.2	5.8
	MAY-SEP	2.1	3.4	4.2	66	5.0	6.3	6.4
GRAVE CREEK at Pease Bridge	MAY-JUL	1.5	2.1	2.6	84	3.1	3.8	3.1
HYATT PRAIRIE RES net Inflow (2)	MAY-JUL	0.5	1.1	1.6	67	2.0	2.7	2.4
ILLINOIS R near Kerby	MAY-JUL	30	57	75	90	93	121	83
	MAY-SEP	33	61	80	89	99	127	90
NF LITTLE BUTTE CK nr Lakecreek (2)	MAY-JUL	0.8	3.3	5.0	73	6.7	9.2	6.9
	MAY-SEP	1.5	5.5	8.2	75	10.9	14.9	10.9
SF LITTLE BUTTE CK nr Lakecreek (2)	MAY-JUL	6.9	9.9	12.0	74	14.1	17.1	16.2
LOST CREEK LAKE INFLOW (2)	MAY-JUL	234	261	280	74	299	326	380
	MAY-SEP	332	366	390	77	414	448	510
RED BLANKET CK nr Prospect	MAY-JUL	12.3	16.9	20	77	23	28	26
ROGUE above Prospect	MAY-JUL	102	121	134	77	147	166	174
	MAY-SEP	143	165	180	78	195	217	230
SF ROGUE near Prospect (2)	MAY-JUL	20	27	31	74	35	42	42
	MAY-SEP	29	37	42	78	47	55	54
ROGUE R at Raygold (2)	MAY-JUL	335	374	400	83	426	465	480
	MAY-SEP	447	490	520	81	550	593	645
ROGUE R at Grants Pass (2)	MAY-JUL	307	356	390	83	424	473	470
	MAY-SEP	422	477	515	84	553	608	615
SUCKER CK blw Little Grayback	MAY-JUL	14.2	21	26	84	31	38	31
	MAY-SEP	17.5	25	30	86	35	43	35
NORTH UMPQUA nr Toketee Falls (2)	MAY-SEP	85	94	101	75	108	117	135
NORTH UMPQUA at Winchester	MAY-JUL	285	347	390	80	433	495	490
SOUTH UMPQUA near Brockway	MAY-JUL	50	104	140	73	176	230	191
SOUTH UMPQUA at Tiller	MAY-JUL	40	63	78	74	93	116	106
	MAY-SEP	47	71	87	75	103	127	116

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

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

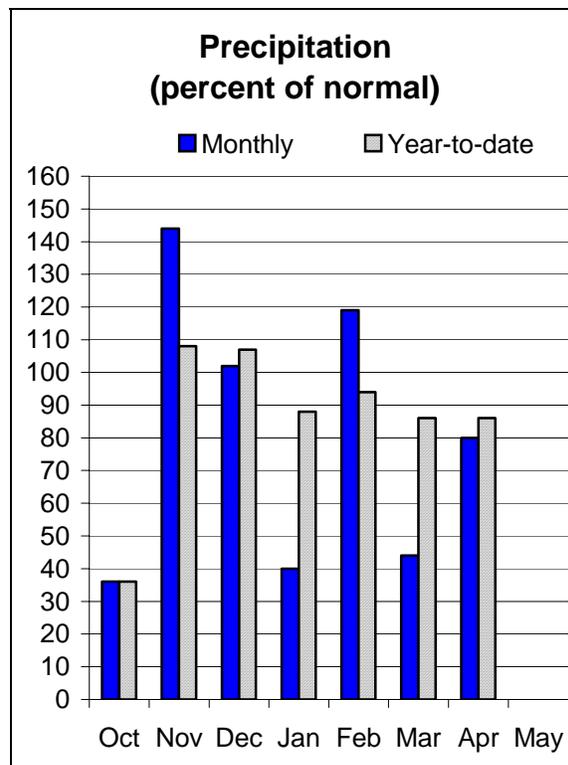
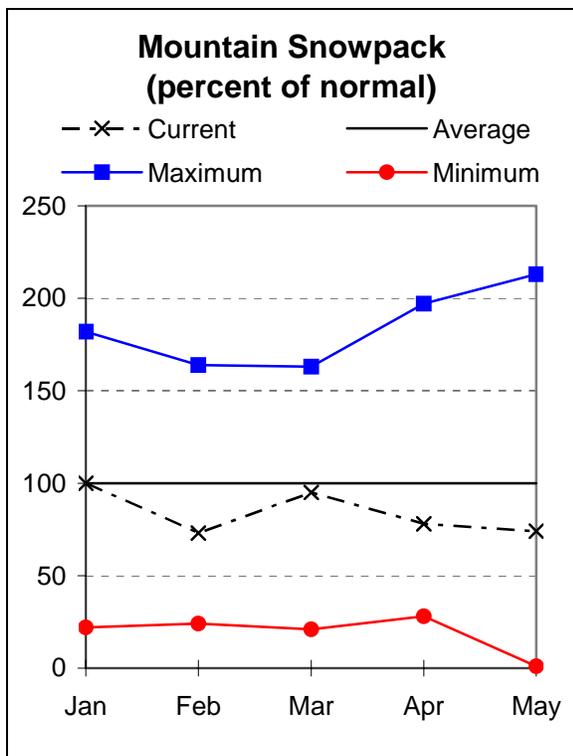
(2) - The value is natural flow - actual flow may be affected by upstream water management.

ROGUE AND UMPQUA BASINS Reservoir Storage (1000 AF) - End of April					ROGUE AND UMPQUA BASINS Watershed Snowpack Analysis - May 1, 2007			
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	58.4	59.7	64.5	Applegate River	5	49	75
EMIGRANT LAKE	39.0	38.8	39.0	35.9	Bear Creek	4	52	80
FISH LAKE	8.0	7.0	4.8	6.2	Butte Creek	4	28	53
FOURMILE LAKE	16.1	13.6	6.6	11.0	Illinois River	1	0	0
HOWARD PRAIRIE	60.0	61.0	63.3	48.8	North Umpqua River	9	58	71
HYATT PRAIRIE	16.1	16.3	16.4	13.3	Rogue River	19	45	74
LOST CREEK **	315.0	179.5	176.4	283.2				



Klamath Basin

May 1, 2007



Water Supply Outlook

April precipitation was 80 percent of average in the Klamath basin. The total precipitation since the beginning of the water year has been 86 percent of average.

The May 1 snowpack in the Klamath basin was 74 percent of normal. At the beginning of the month, 8 out of 17 SNOTEL sites and snow courses in the basin had snow remaining. Normally, 14 of these sites have at least some snow on May 1. Basin wide, the melt out is 2 weeks ahead of the normal schedule.

At the end of April, the combined storage at Clear Lake (CA), Gerber Lake and Upper Klamath Lake was 90 percent of average and 65 percent of capacity. May through September streamflow forecasts range from 44 percent of average for Gerber reservoir net inflow to 72 percent of average net inflow to Upper Klamath Lake. The May through September streamflow forecast for the Sprague near Chiloquin is forecast to be 65 percent of average. Water users in the Klamath basin should plan for reduced supplies this coming irrigation 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>

=====

KLAMATH BASIN
Streamflow Forecasts - May 1, 2007

=====

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)
CLEAR LAKE NET INFLOW (2)	APR-SEP			18.0	38			48
	MAY-JUL	0.6	1.4	4.2	22	7.0	11.2	19.3
	MAY-SEP	1.7	6.0	9.0	34	12.0	16.3	26
GERBER RESERVOIR Net Inflow (2)	APR-SEP	0.2	0.3	3.0	17	5.7	9.6	17.8
	MAY-JUL	0.1	0.2	2.0	31	3.8	6.4	6.4
	MAY-SEP			2.9	44			6.6
Sprague River near Chiloquin	APR-SEP	118	149	170	74	191	222	230
	MAY-JUL	49	76	95	74	114	141	128
	MAY-SEP	53	81	100	65	119	147	155
UPPER KLAMATH LAKE NET INFLOW (1)	APR-SEP	280	335	360	70	385	440	515
	MAY-SEP	163	218	243	72	268	323	340
	MAY-JUL	101	155	180	71	205	259	253
WILLIAMSON R near Chiloquin	APR-SEP	227	253	270	70	287	313	385
	MAY-JUL	98	123	140	69	157	182	203
	MAY-SEP	144	169	186	70	203	228	267

KLAMATH BASIN Reservoir Storage (1000 AF) - End of April					KLAMATH BASIN Watershed Snowpack Analysis - May 1, 2007			
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	173.2	246.7	264.3	Lost River	2	0	0
GERBER	94.3	83.6	94.3	72.9	Sprague River	5	14	29
UPPER KLAMATH LAKE	523.7	483.7	480.0	483.4	Upper Klamath Lake	12	42	71
					Williamson River	5	53	82

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

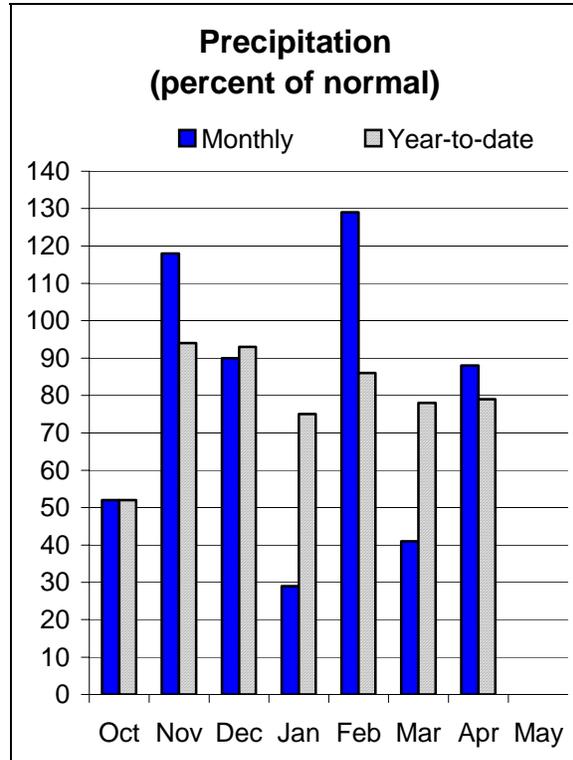
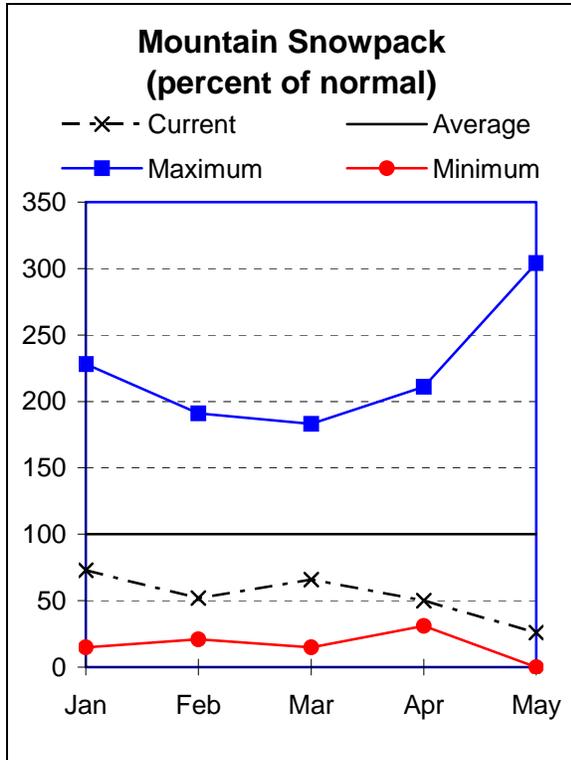
(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

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



Lake County and Goose Lake

May 1, 2007



Water Supply Outlook

April precipitation was 88 percent of average in Lake County and Goose Lake basins. The total precipitation since the beginning of the water year has been 79 percent of average.

The May 1 snowpack in Lake County and Goose Lake basin was only 26 percent of normal. At the beginning of the month, 4 out of 12 SNOTEL sites and snow courses in the basin had snow remaining. Normally, 10 of these sites have at least some snow on May 1. Basin wide, the melt out is nearly 4 weeks ahead of the normal schedule.

At the end of April, the combined storage at Cottonwood, Drews and Thompson Valley reservoirs was 109 percent of average or 88 percent of capacity. May through September streamflows range from 36 percent of average for Honey creek near Plush to 47 percent of average for Deep Creek above Adel. The Chewaucan near Paisley is expected to run 41 percent of average for the May through September period. Water users in the basin should plan for significantly lower than normal water supplies 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 - May 1, 2007

Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>>				30-Yr Avg. (1000AF)		
		90% (1000AF)	70% (1000AF)	Chance Of Exceeding * 50% (Most Probable) (1000AF) (% AVG.)			30% (1000AF)	10% (1000AF)
BRIDGE CK nr Spahr Ranch	MAY-JUL	0.1	0.4	1.0	36	1.6	2.5	2.8
CHEWAUCAN R nr Paisley	MAY-JUL	2.7	13.0	20	39	27	37	52
	MAY-SEP	5.2	15.8	23	41	30	41	56
COTTONWOOD CK nr Lakeview (2)	MAY-JUL	1.6	2.3	2.8	48	3.3	4.0	5.8
DEEP CK abv Adel	MAY-JUL	6.0	14.9	21	47	27	36	45
	MAY-SEP	6.8	15.8	22	47	28	37	47
DREWS RESERVOIR net Inflow (2)	MAY-JUL	0.2	1.7	3.8	48	5.9	9.0	7.9
HONEY CK nr Plush	MAY-JUL	0.2	2.0	3.8	35	5.6	8.2	10.8
	MAY-SEP	3.8	3.9	4.0	36	4.1	4.2	11.0
SILVER CK nr Silver Lk	MAY-JUL	0.3	1.5	3.2	37	4.9	7.4	8.6
TWENTYMILE CK nr Adel	MAY-JUL	0.2	1.1	4.0	38	6.9	11.3	10.6
	MAY-SEP	0.3	1.2	4.2	38	7.2	11.6	11.1

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

LAKE COUNTY AND GOOSE LAKE BASINS
Watershed Snowpack Analysis - May 1, 2007

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	9.3	9.3	6.7	Chewaucan River	3	17	35
DREWS	63.0	51.0	65.0	51.0	Deep Creek	2	22	46
THOMPSON VALLEY	18.4	18.6	20.3	14.4	Drew Creek	3	0	0
					Honey Creek	1	1	3
					Silver Creek (Lake Co.)	3	21	50
					Twentymile Creek	2	22	46

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

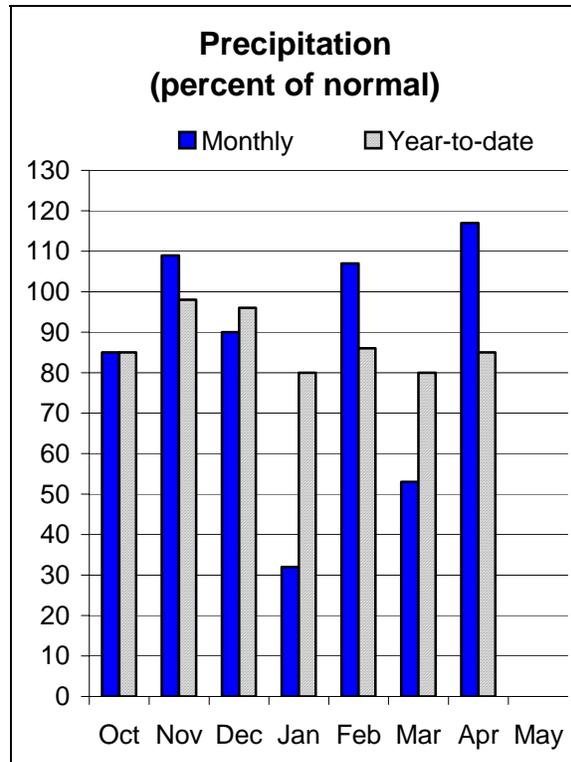
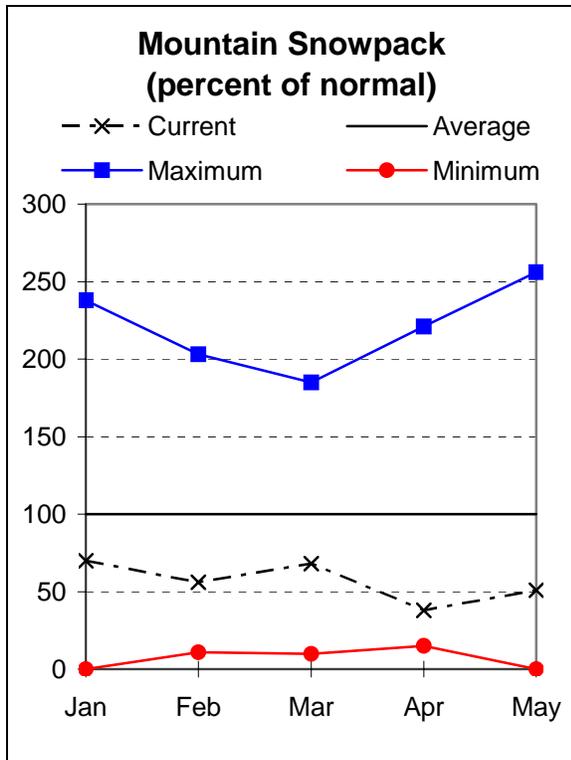
(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

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



Harney Basin

May 1, 2007



Water Supply Outlook

April precipitation was slightly above average in the Harney basin at 117 percent of normal. This was the only area of the state that had above normal precipitation for the month. Since the beginning of the water year, total precipitation in the Harney basin has been 80 percent of average.

The May 1 snowpack in the Harney basin was 51 percent of normal. At the beginning of the month, 2 out of 8 SNOTEL sites and snow courses in the basin had snow remaining. Normally, 7 of these sites have at least some snow on May 1. Basin wide, the melt out is nearly 3 weeks ahead of the normal schedule.

The May through September streamflow for the Silvies river near Burns is forecast to be 42 percent of average. Trout Creek near Denio is forecast to be near 50 percent of average for the same period. The May through September flow for the Donner und Blitzen is forecast to be 57 percent of average. Water users in the Harney Basin should expect significantly reduced supplies 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>

=====

HARNEY BASIN
Streamflow Forecasts - May 1, 2007

=====

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)	
DONNER und BLITZEN R nr Frenchglen	MAY-JUL	14.4	23	28	56	34	42	50
	MAY-SEP	18.8	27	32	57	37	45	56
SILVER CK nr Riley	MAY-JUL	0.2	1.9	3.0	44	4.1	5.8	6.8
SILVIES R nr Burns	MAY-JUL	1.0	5.7	20	41	34	55	49
	MAY-SEP	1.0	7.2	22	42	37	59	52
TROUT CK nr Denio	MAY-JUL	0.3	2.1	3.4	47	4.7	6.5	7.2
	MAY-SEP	0.6	2.5	3.9	50	5.3	7.2	7.8

=====

HARNEY BASIN
Reservoir Storage (1000 AF) - End of April

=====

Reservoir	Usable Capacity	*** Usable Storage ***		
		This Year	Last Year	Avg

=====

HARNEY BASIN
Watershed Snowpack Analysis - May 1, 2007

=====

Watershed	Number of Data Sites	This Year as % of	
		Last Yr	Average
Donner und Blitzen River	2	57	75
Silver Creek (Harney Co)	2	0	0
Silvies River	5	0	0
Trout Creek	1	0	0

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

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

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 near Rome	2000	February 14	May 14
	1000	March 17	May 28
	500	April 30	June 11

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	July 1	July 25
	160	July 15	August 5
Catherine Ck near Union	35	August 1	Avg Value = 49 cfs
	100	June 20	July 9
	50	June 30	July 28
Powder near Sumpter	100	May 15	June 25
	20	June 1	July 22
Deer Ck above Phillips Resv nr Sumpter	40	May 5	June 17
	10	April 15	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 4	May 17
SF Walla Walla near Milton	200	May 12	June 9
	90	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	180	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>
Crane Prairie net Inflow	260	Peak	
	170	October 31	
	Peak	May 29	
Crooked River	100	May 10	June 1
Little Deschutes near LaPine	400	June 6	June 7
	200	May 8	July 8
Whycus Cr near Sisters	100	July 15	August 16
Tumalo Ck near Bend	235	June 1	June 23
	207	June 3	June 25
	150	June 13	July 5
	71	July 7	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	38*	July 15-31	39**
*Average cfs forecast to flow for this two-week period.			
** Average cfs for period of record			
White below Tygh Valley	200	June 30	July 3
	130	August 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 near Azalea	20	June 28	July 4
	10	August 10	August 19
Little Butte Cr SF	100	May 12	May 15
South Umpqua near Brockway	90	August 15	August 28
South Umpqua at Tiller	140	July 5	July 12
	90	July 20	July 28
	60	August 8	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 above Adel	100	May 1	June 21
Honey Ck near Plush	100	March 20	May 15
	50	April 15	May 30
Twentymile near Adel	50	April 15	June 2
	10	May 5	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 near Burns	400	March 28	May 5
	200	April 28	May 21
	100	May 13	June 9
	50	June 1	June 23
Donner und Blitzen	200	May 20	June 15
	100	June 10	July 5

Summary of Snow Course Data

May 2007

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
Oregon						
ANEROID LAKE SNOTEL	7410	5/01/07	---	17.0	32.7	26.2
ANNIE SPRING REV	6120	4/27/07	80	37.3	67.0	43.8
ANNIE SPRING SNOTEL	6010	5/01/07	69	35.2	68.0	39.7
ANTHONY LAKE	7130	4/30/07	46	20.2	--	30.0
ARBUCKLE MTN SNOTEL	5770	5/01/07	0	.0	12.7	15.0
BEAVER DAM CREEK	5100	4/30/07	0	.0	12.7	4.1
BEAVER RES. SNOTEL	5150	5/01/07	0	.0	4.4	1.4
BIG RED MTN SNOTEL	6050	5/01/07	41	22.3	39.7	26.4
BIGELOW CAMP SNOTEL	5120	5/01/07	0	.0	12.2	6.5
BILLIE CK DVD SNOTEL	5300	5/01/07	10	6.2	24.4	10.2
BLAZED ALDER SNOTEL	3650	5/01/07	40	16.4	25.3	23.3
BLUE MTN SPGS SNOTEL	5900	5/01/07	0	.0	16.3	8.3
BOURNE SNOTEL	5850	5/01/07	0	.0	10.6	9.1
BOWMAN SPRNGS SNOTEL	4530	5/01/07	0	.0	.0	.8
CALIBAN ALT	6500	4/27/07	61	25.2	47.6	31.5
CAMAS CREEK #3	5850	4/30/07	1	.2	20.5	6.7
CASCADE SUM. SNOTEL	5100	5/01/07	54	24.6	31.5	27.9
CHEMULT ALT SNOTEL	4850	5/01/07	0	.0	1.8	.7
CLACKAMAS LK. SNOTEL	3400	5/01/07	0	.0	.4	2.3
CLEAR LAKE SNOTEL	3810	5/01/07	0	.0	8.9	5.8
COLD SPRINGS SNOTEL	5940	5/01/07	26	14.7	41.3	21.3
COUNTY LINE SNOTEL	4800	5/01/07	0	.0	.0	.4
CRAZYMEN FLAT AM	6100	5/01/07	---	.0E	8.6	4.4
CRAZYMEN FLAT SNOTEL	6180	5/01/07	0	.0	17.7	6.3
DALY LAKE SNOTEL	3690	5/01/07	0	.0	3.6	3.9
DEADWOOD JUNCTION	4600	4/30/07	0	.0	.0	.8
DERR SNOTEL	5850	5/01/07	0	.0	12.2	6.5
DIAMOND LAKE SNOTEL	5320	5/01/07	0	.0	7.1	6.3
EILERTSON SNOTEL	5510	5/01/07	0	.0	.0	3.4
EMIGRANT SPGS SNOTEL	3800	5/01/07	0	.0	.0	.1
FINLEY CORRALS AM	6000	5/01/07	---	.0E	19.4	8.3
FISH CREEK SNOTEL	7660	5/01/07	58	24.9	41.3	28.6
FISH LK. SNOTEL	4670	5/01/07	0	.0	4.0	1.4
FOURMILE LAKE SNOTEL	6000	5/01/07	29	14.6	33.2	23.5
GERBER RES SNOTEL	4850	5/01/07	0	.0	.0	--
GOLD CENTER SNOTEL	5410	5/01/07	0	.0	.0	1.0
GREENPOINT SNOTEL	3310	5/01/07	0	.0	7.7	4.4
HIGH RIDGE SNOTEL	4920	5/01/07	12	6.5	19.6	15.9
HOGG PASS SNOTEL	4760	5/01/07	11	2.6	29.1	34.3
HOLLAND MDWS SNOTEL	4900	5/01/07	15	7.7	18.3	17.0
HOWARD PRAIRIE	4500	4/30/07	0	.0	2.8	.9
HUNGRY FLAT	4400	4/25/07	0	.0	.0	.0
IRISH-TAYLOR SNOTEL	5500	5/01/07	74	31.0	43.0	38.8
JUMP OFF JOE SNOTEL	3520	5/01/07	0	.0	1.7	3.5
KING MTN #1	4500	4/27/07	0	.0	5.2	2.8
KING MTN #2 SNOTEL	4340	5/01/07	0	.0	.1	.9
KING MTN #3	3650	4/27/07	0	.0	.0	.0
KING MTN #4	3050	4/27/07	0	.0	.0	.0
LAKE CK R.S. SNOTEL	5200	5/01/07	0	.0	.0	1.3
LITTLE MEADOW SNOTEL	4000	5/01/07	32	16.7	26.4	16.9
LUCKY STRIKE SNOTEL	4970	5/01/07	0	.0	.0	2.7

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
Oregon (continued)						
MADISON BUTTE SNOTEL	5150	5/01/07	0	.0	.0	.4
MARION FORKS SNOTEL	2600	5/01/07	0	.0	.0	3.6
MARKS CREEK	4540	4/30/07	0	.0	.0	.1
MCKENZIE SNOTEL	4800	5/01/07	57	34.0	48.0	40.0
MEACHAM	4300	4/30/07	0	.0	.0	1.6
MOSS SPRINGS SNOTEL	5760	5/01/07	30	13.3	20.0	22.3
MT ASHLAND SWBK.	6400	4/27/07	58	24.2	48.3	33.0
MT HOOD TEST SNOTEL	5400	5/01/07	105	50.5	60.8	63.9
MT HOWARD SNOTEL	7910	5/01/07	29	12.7	18.3	16.9
MUD RIDGE SNOTEL	4070	5/01/07	31	14.1	24.7	18.2
NEW CRESCENT SNOTEL	4910	5/01/07	0	.0	6.7	3.0
NEW DUTCHMAN #3	6400	4/25/07	88	41.8	62.0	55.4
NORTH FK RES SNOTEL	3060	5/01/07	---	11.6	21.1	6.9
NORTH UMPQUA	4220	5/04/07	0	.0	2.6	3.5
OCHOCO MEADOW SNOTEL	5430	5/01/07	0	.0	5.1	1.8
PARK H.Q. REV	6550	4/27/07	108	56.0	98.6	63.1
PATTON MEADOWS AM	6800	5/01/07	---	.0E	26.6	13.7
PEAVINE RIDGE SNOTEL	3420	5/01/07	0	.0	7.3	3.7
QUARTZ MTN SNOTEL	5720	5/01/07	0	.0	.0	.0
R.R. OVERPASS SNOTEL	2680	5/01/07	0	.0	.0	.0
RED BUTTE #1	4560	4/25/07	20	7.5	14.0	6.7
RED BUTTE #2	4000	4/25/07	0	.0	.2	2.1
RED BUTTE #3	3500	4/25/07	0	.0	.0	.2
RED BUTTE #4	3000	4/25/07	0	.0	.0	.0
RED HILL SNOTEL	4400	5/01/07	70	45.9	48.1	42.5
ROARING RIVER SNOTEL	4950	5/01/07	23	13.5	35.9	24.0
ROCK SPRINGS SNOTEL	5290	5/01/07	0	.0	.0	.1
SADDLE MTN SNOTEL	3110	5/01/07	0	.0	.0	2.1
SALT CK FALLS SNOTEL	4220	5/01/07	20	11.0	15.2	10.5
SANTIAM JCT. SNOTEL	3750	5/01/07	0	.0	.0	8.0
SCHNEIDER MDW SNOTEL	5400	5/01/07	19	9.2	27.1	20.2
SEINE CREEK SNOTEL	2060	5/01/07	0	.0	.2	.0
SEVENMILE MARSH SNTL	5700	5/01/07	38	18.5	39.3	22.6
SILVER BURN	3720	4/26/07	0	.0	6.5	.9
SILVER CREEK SNOTEL	5740	5/01/07	0	.0	10.1	1.6
SILVIES SNOTEL	6990	5/01/07	11	6.4	13.6	13.3
SKI BOWL ROAD	6000	4/27/07	45	19.2	38.2	23.1
SNOW MTN SNOTEL	6220	5/01/07	0	.0	12.3	7.4
SF BULL RUN SNOTEL	2690	5/01/07	0	.0	.0	--
SOUTH FORK CANAL	3500	4/27/07	0	.0	.0	.0
STARR RIDGE SNOTEL	5250	5/01/07	0	.0	.0	.0
STRAWBERRY SNOTEL	5760	5/01/07	0	.0	.1	.8
SUMMER RIM SNOTEL	7100	5/01/07	27	7.4	23.2	13.0
SUMMIT LAKE SNOTEL	5600	5/01/07	82	40.5	52.1	39.4
TANGENT	5400	4/25/07	0	.0	22.7	11.3
TAYLOR BUTTE SNOTEL	5030	5/01/07	0	.0	2.0	.1
TAYLOR GREEN SNOTEL	5740	5/01/07	0	.0	14.8	10.3
THREE CK MEAD SNOTEL	5650	5/01/07	23	9.9	25.1	15.3
TIPTON SNOTEL	5150	5/01/07	0	.0	5.8	4.8
TOLLGATE	5070	4/30/07	37	17.8	33.4	19.3
TRAP CREEK	3800	5/04/07	0	.0	1.0	3.1
WOLF CREEK SNOTEL	5630	5/01/07	0	.0	10.8	9.8

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
California						
ADIN MOUNTAIN	6350	4/26/07	0	.0	14.8	6.5
ADIN MTN SNOTEL	6350	5/01/07	0	.0	10.4	6.8
CEDAR PASS SNOTEL	7100	5/01/07	6	3.4	17.0	14.3
CROWDER FLAT SNOTEL	5200	5/01/07	0	.0	.0	--
DISMAL SWAMP SNOTEL	7000	5/01/07	39	14.3	44.5	24.9
Idaho						
MUD FLAT SNOTEL	5730	5/01/07	0	.0	.0	.0
SOUTH MTN SNOTEL	6500	5/01/07	0	.0	8.6	9.4
Nevada						
BEAR CREEK SNOTEL	7800	5/01/07	---	11.8	26.1	19.0
BIG BEND SNOTEL	6700	5/01/07	0	.0	1.0	2.3
BUCKSKIN,L SNOTEL	6700	5/01/07	0	.0	6.8	3.7
DISASTER PEAK SNOTEL	6500	5/01/07	0	.0	.0	2.9
FAWN CREEK SNOTEL	7050	5/01/07	0	.0	13.3	14.5
GRANITE PEAK SNOTEL	7800	5/01/07	16	6.0	33.4	24.2
JACK CREEK, U SNOTEL	7280	5/01/07	13	2.2	21.1	17.0
LAMANCE CREEK SNOTEL	6000	5/01/07	0	.0	.8	3.9
LAUREL DRAW SNOTEL	6700	5/01/07	0	.0	.6	1.6
SEVENTYSIX CK SNOTEL	7100	5/01/07	0	.0	7.6	3.9
TAYLOR CANYON SNOTEL	6200	5/01/07	0	.0	.0	.3

(d) denotes discontinued site.

Basin Outlook Reports; How Forecasts Are Made

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.

=====

OWYHEE AND MALHEUR BASINS
Streamflow Forecasts - February 1, 2006

=====

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.

USDA Natural Resources Conservation Service
1201 NE Lloyd Suite 900
Portland, OR 97232-1274

Official Business



*The Oregon Snow Survey office has moved.
Please note our new address.*

Issued by
Arlen Lancaster, Chief
Natural Resources Conservation Service
U.S. Department of Agriculture

Released by
Robert J. Graham, State Conservationist
Natural Resources Conservation Service
Portland, Oregon

This publication may be found online at:

<http://www.or.nrcs.usda.gov/snow/watersupply/>



Oregon
Basin Outlook Report
Natural Resources Conservation Service
Portland, OR



<http://www.or.nrcs.usda.gov/snow/>