

GENERAL OUTLOOK

June 1, 2004

SUMMARY

After 2 very dry months, May finally brought the long awaited precipitation, but provided no increase to the skimpy snowpack. As of June 1, only 12 of the 75 SNOTEL sites in Oregon had any snow. Precipitation for the month was between 178 percent of average in the Upper John Day Basin and 105 percent of average in the Klamath Basin. Since the start of the water year on October 1, the total amount of precipitation has been between 106 percent of average in the Upper John Day Basin, and 84 percent of average in Lake County. Most reservoirs have begun drafting to supply water to users, although some showed modest gains during May. On June 1, there were 1,993,800 acre-feet of water stored in 27 major irrigation reservoirs. This represents 77 percent of average, and 61 percent of capacity. This is 105,700 acre-feet of stored water less than last month but 60,400 acre-feet more than last year. The observed streamflows were quite variable across the state in May. In locations where the rains were heaviest, the streamflows for the month were generally above average, and in locations where the rainfall was closer to average, the streamflows were generally below average. The late season streamflow forecasts reflect the May above average precipitation; however there are locations in the state where the forecasts have continued to fall. The streamflow forecasts for the May through July period are between 156 percent of average on Rock Creek and 9 percent of average for the inflow into Gerber Reservoir. Water shortages can be expected by many water users this season. This Water Supply Outlook Report will be the final one produced this season. Publication will resume again in January 2005.

SNOWPACK

The only SNOTEL sites which had any snow water remaining on June 1, were at the higher elevations in the state. Of the 75 SNOTEL sites in Oregon, only 12 reported any snow on June 1. But the snowpacks at some of those sites at the higher elevations are above average. These areas of above average snow do not represent a lot of area, and therefore will not make significant contributions to the runoff. This season, much of the mountain snowpack had completely melted by mid-April, considerably earlier than normal. Mid-April represents the time of year when the snowpack would usually peak out. Widespread melting of the snowpack began anywhere from one to one and a half months earlier this season, and as a result, many of the streams and rivers experienced an early snowmelt peak.

PRECIPITATION

May finally brought the much anticipated precipitation that has been missing for the past couple of months. All basins in Oregon had reported above average amounts, ranging from a high of 178 percent of average in the Upper

John Day Basin and a low of 105 percent of average in the Klamath Basin. The total amounts of precipitation for the Water Year, which starts on October 1, are between 106 percent of average, again in the Upper John Day Basin, and 84 percent of average in Lake County.

RESERVOIRS

Most of the irrigation reservoirs began drafting to supply irrigation water to users during May. The most noted exception were some reservoirs in the Rogue Basin, where the reservoir storage continued to increase. At the end of May, the 27 major irrigation reservoirs in the state held 1,993,800 acre-feet of water. This represents 77 percent of average and 61 percent of the capacity. This is 105,700 acre-feet than last month, but 60,400 acre-feet more water than last year. Most of the reservoirs will not fill to capacity this year, and some especially in Eastern Oregon and the Klamath Basin, may only fill to half.

STREAMFLOW

May observed streamflows were much affected by the amount of May precipitation. In areas where the precipitation was much above average, the May observed streamflow was above average, and in areas where the May precipitation was closer to average, the streamflow was generally below average. Many of the late season streamflow water supply forecasts responded to the May precipitation. The streamflow forecasts for the May through July period are between 156 percent of average on Rock Creek above Whyte and 9 percent of average for the inflow into Gerber Reservoir. The following table is a summary of selected water supply streamflow forecasts in the state. Current water supply forecasts indicate that many water users will experience water shortages this season, especially if there is little or no rainfall in the late spring and early summer months.

STREAM	PERIOD	PERCENT OF AVERAGE
Owyhee Net Inflow	Jun-Jul	40
Grande Ronde at La Grande	Jun-Sep	65
Umatilla at Pendleton	Jun-Sep	117
Deschutes at Benham Falls	Jun-Sep	92
Willamette MF nr Oakridge	Jun-Oct	87
Rogue at Raygold	Jun-Sep	86
Upper Klamath L. Net Inflow	May-Sep	57
Silvies nr Burns	May-Sep	60

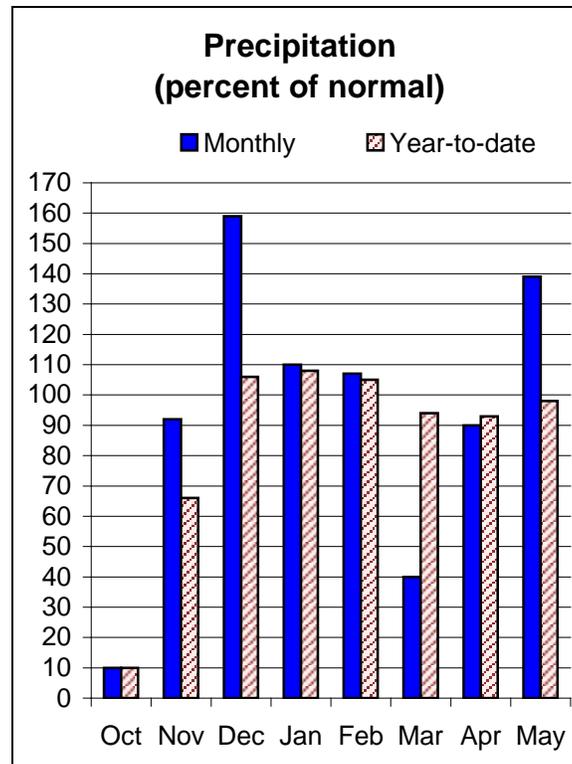
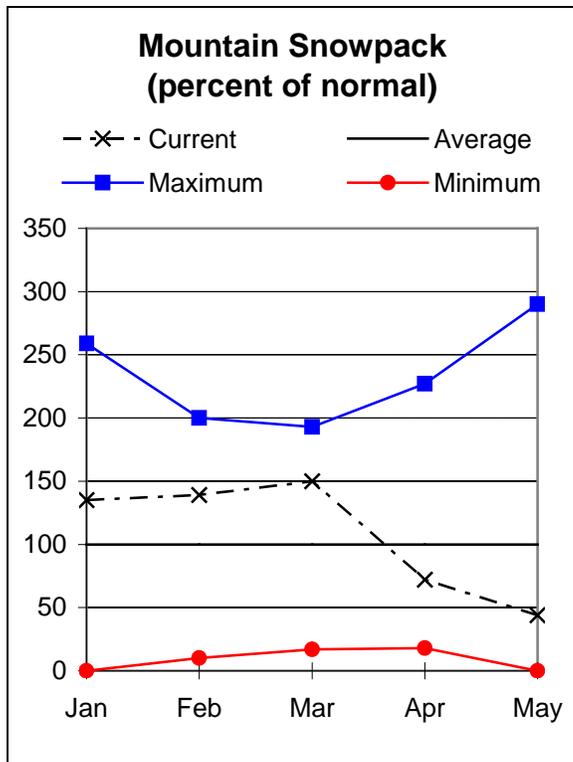
Some of these forecasts assume normal weather conditions will occur from now to the end of the forecast period.

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

June 1, 2004



Water Supply Outlook

On June 1, none of the SNOTEL sites in the Basin had any snow. May precipitation was 139 percent of average, bringing the total precipitation since October 1 to 98 percent of average. Water stored in the irrigation reservoirs in the basin was 65 percent of average at the end of May. Most reservoirs have begun delivering water to users and will not fill to capacity this season. The June through July streamflow forecasts range from between 100 percent of average on Succor Creek and 35 percent of average on the Owyhee at Rome. Many water users will experience water shortages this season.

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

OWYHEE AND MALHEUR BASINS
Streamflow Forecasts - June 1, 2004

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	JUN-JUL	4.4	6.0	7.2	63	8.5	10.7	11.5
	JUN-SEP	4.6	6.3	7.6	56	9.0	11.3	13.7
NF MALHEUR at Beulah	JUN-JUL	8.2	9.6	10.7	70	11.8	13.6	15.3
	JUN-SEP	11.8	13.5	14.8	71	16.1	18.2	21
OWYHEE RESV INFLOW (2)	JUN-JUL	11.4	23	33	40	45	66	82
	JUN-SEP	31	39	45	40	51	61	112
OWYHEE near Rome	JUN-JUL	12.5	19.4	25	35	31	42	71
SUCCOR CK nr Jordan Valley	JUN-JUL	1.85	2.18	2.40	100	2.62	2.95	2.40

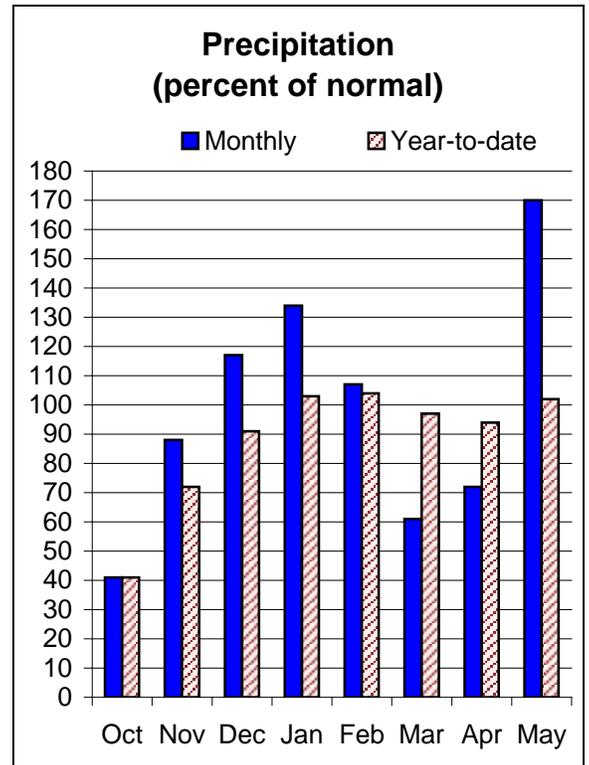
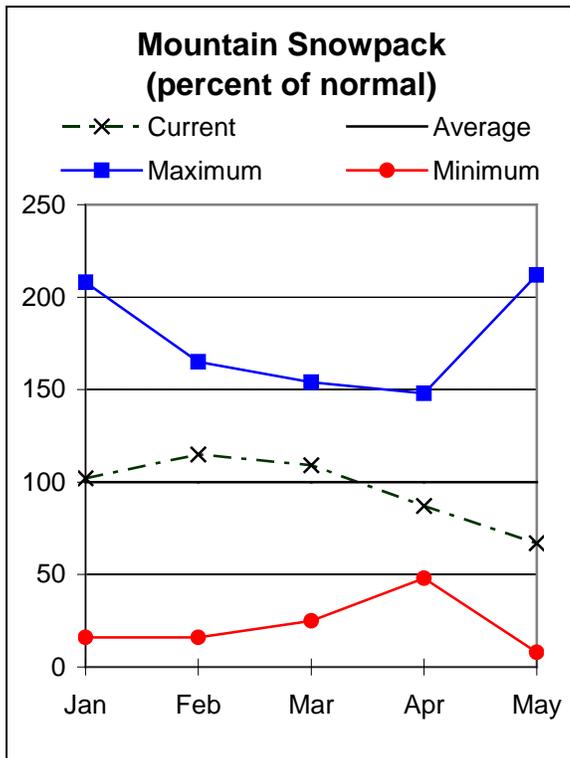
OWYHEE AND MALHEUR BASINS Reservoir Storage (1000 AF) - End of May					OWYHEE AND MALHEUR BASINS Watershed Snowpack Analysis - June 1, 2004			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
BEULAH RES	60.0	46.6	31.0	46.9	Owyhee River	5	0	0
BULLY CREEK	30.0	25.6	15.4	23.4	Malheur	3	0	0
OWYHEE	715.0	380.2	222.6	614.6	Jordan Creek	0	0	0
WARMSPRINGS	191.0	87.5	52.6	145.9	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

June 1, 2004



Water Supply Outlook

Of the 14 SNOTEL sites in these Basins, only two had any snow on June 1. May precipitation was 170 percent of average, bringing the total since the start of the water year to 102 percent of average. Water stored in the irrigation reservoirs of the basin was 66 percent of average at the end of May, a slight increase from last month. The streamflow forecasts for the June through July period are between 96 percent of average on the Wallowa at Joseph and 55 percent of average on Deer Creek. Some water users may experience water shortages this 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

BURNT, POWDER, PINE, GRANDE RONDE AND IMNAHA BASINS
Streamflow Forecasts - June 1, 2004

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)	
ANTHONY CK bl NF nr North Powder	JUN-JUL	2.53	4.24	5.40	70	6.56	8.30	7.70
BEAR CREEK near Wallowa	JUN-SEP	14.5	20	24	69	28	33	35
BIG CK bl Burn Ck nr Medical Spgs	JUN-JUL	0.70	1.00	1.20	94	1.40	1.70	1.28
BURNT near Hereford (2)	JUN-JUL	2.29	3.13	3.70	73	4.80	6.30	5.10
	JUN-SEP	2.78	3.68	4.30	61	5.50	7.30	7.00
CATHERINE CREEK near Union	JUN-SEP	16.0	20	23	79	26	30	29
DEER CK nr Sumpster	JUN-JUL	1.34	1.79	2.10	55	2.75	3.71	3.80
EAGLE CREEK abv Skull Creek	JUN-JUL	41	55	64	78	73	87	82
	JUN-SEP	53	67	77	79	87	101	97
GRANDE RONDE at La Grande	JUN-JUL	7.9	16.3	22	61	28	36	36
	JUN-SEP	13.5	22	28	65	34	43	43
GRANDE RONDE at Troy (1)	JUN-JUL	209	299	340	72	381	470	470
	JUN-SEP	253	361	410	73	459	567	565
HURRICANE CREEK near Joseph	JUN-SEP	25	28	29	94	30	33	31
IMNAHA at Imnaha	JUN-SEP	58	78	91	64	104	124	142
LOSTINE near Lostine	JUN-SEP	57	64	69	83	74	81	83
PINE CREEK near Oxbow	JUN-JUL	19.5	30	37	67	44	55	55
POWDER near Sumpster (2)	JUN-JUL	4.7	8.9	11.7	66	14.5	19.2	17.7
	JUN-SEP	4.5	9.1	12.2	66	15.3	19.9	18.4
EF WALLOWA near Joseph	JUN-SEP	5.10	5.90	6.40	74	6.90	7.70	8.70
WALLOWA at Joseph (2)	JUN-JUL	35	39	42	96	45	49	44
WOLF CK RESERVOIR inflow	JUN-JUL	0.91	1.26	1.50	78	1.74	2.09	1.92

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

BURNT, POWDER, PINE, GRANDE RONDE AND IMNAHA BASINS
Watershed Snowpack Analysis - June 1, 2004

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	34.2	30.1	65.3	Grande Ronde ab LaGrande	5	0	0
THIEF VALLEY	17.4	13.7	13.8	17.0	Powder River	5	0	0
UNITY	25.2	21.5	23.5	23.1	Wallowa, Imnaha, Catherine	5	73	85
WALLOWA LAKE		NO REPORT			Burnt River	3	0	0
WOLF CREEK		NO REPORT						

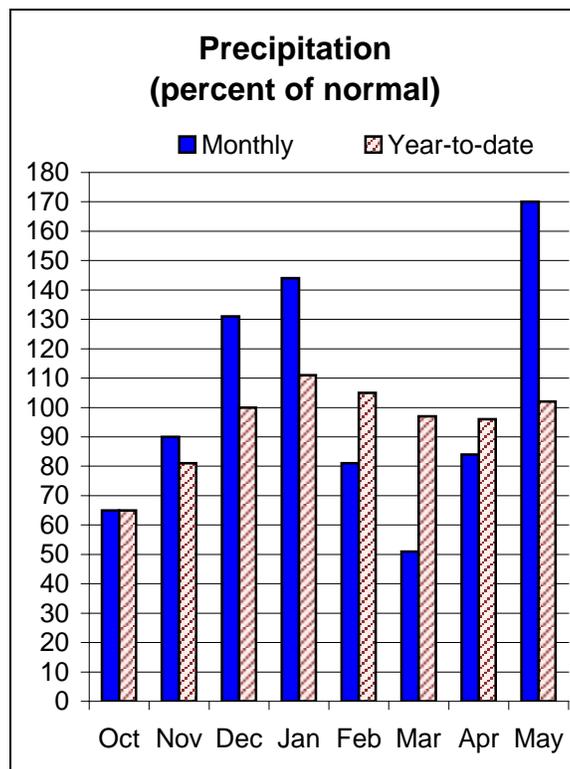
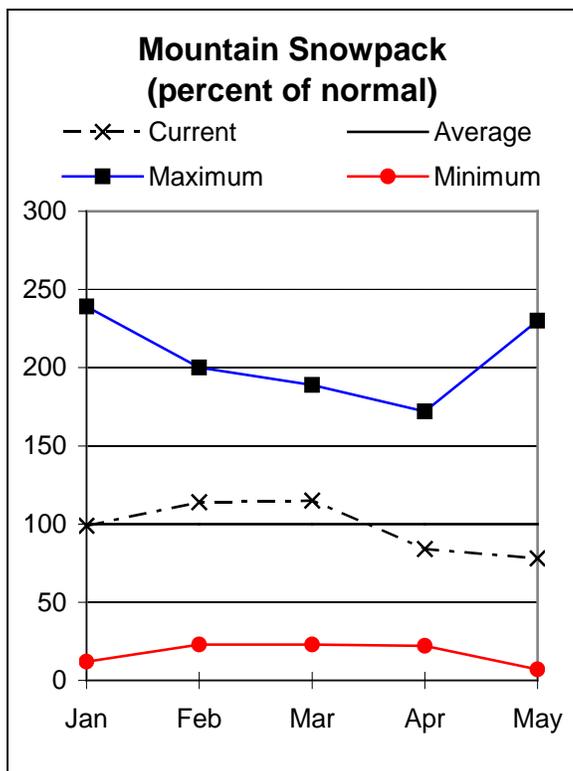
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(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

(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

June 1, 2004



Water Supply Outlook

This year, none of the nine SNOTEL sites had any snow on June 1. May precipitation was 170 percent of average, bringing the total amount of precipitation since the start of the water year on October 1 to 102 percent of average. Water stored in both McKay and Clear Lake Reservoirs was near average at the end of May. The above average precipitation amount in May helped improve the streamflow forecasts in the basin. The streamflow forecasts for the remainder of the spring and summer are between 156 percent of average on Rock Creek near Whyte and 104 percent of average for the inflow into Willow Creek Reservoir. Irrigators depending on stored water may still have to use good water management techniques to insure the water supply lasts the season.

For more information contact your local
 Natural Resources Conservation Service Office
 Pendleton - (541) 278-8049; Heppner - (541) 676-5021; Condon - (541) 384-2671

UMATILLA, WALLA WALLA, WILLOW, ROCK AND LOWER JOHN DAY BASINS
Streamflow Forecasts - June 1, 2004

Forecast Point	Forecast Period	Future Conditions						30-Yr Avg. (1000AF)
		<<==== Drier =====		===== 50% (Most Probable) (1000AF) (% AVG.)		===== Wetter =====>>		
		90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)		30% (1000AF)	10% (1000AF)	
BUTTER CK nr Pine City	MAY-JUL	4.01	5.20	6.00	128	6.80	8.00	4.70
MCKAY near Pilot Rock	JUN-SEP	0.19	2.40	3.90	122	5.40	7.60	3.20
RHEA CREEK near Heppner	MAY-JUL	4.40	4.80	5.10	150	5.40	5.80	3.40
ROCK CREEK above Whyte	MAY-JUL	1.47	4.76	7.00	156	9.24	12.49	4.50
UMATILLA near Gibbon	JUN-JUL	10.5	15.0	18.0	125	21	25	14.4
	JUN-SEP	16.4	21	24	120	27	32	20
UMATILLA at Pendleton	JUN-JUL	14.7	22	27	117	32	39	23
	JUN-SEP	22	29	34	117	39	46	29
SF WALLA WALLA near Milton-Freewater	JUN-JUL	17.3	20	22	115	24	27	19.2
	JUN-SEP	30	33	36	109	39	42	33
WILLOW CREEK LAKE INFLOW	JUN-JUL	0.37	0.87	1.21	104	1.55	2.00	1.16

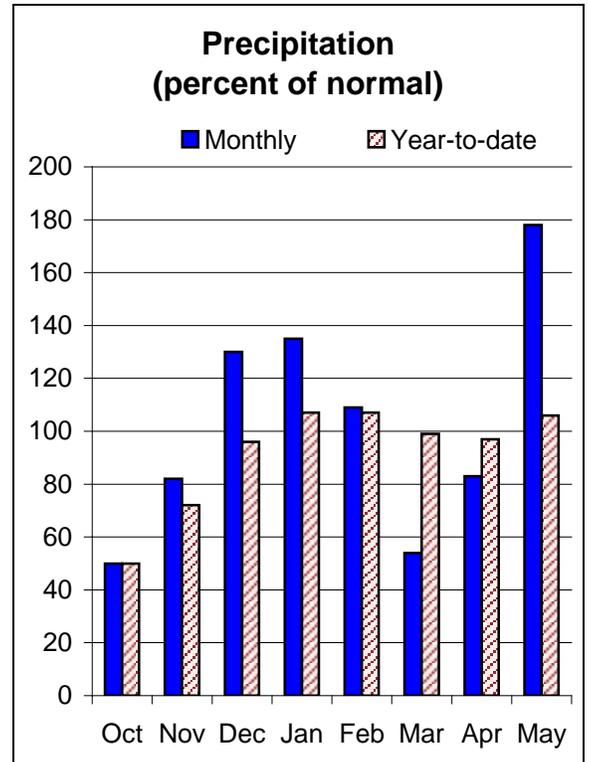
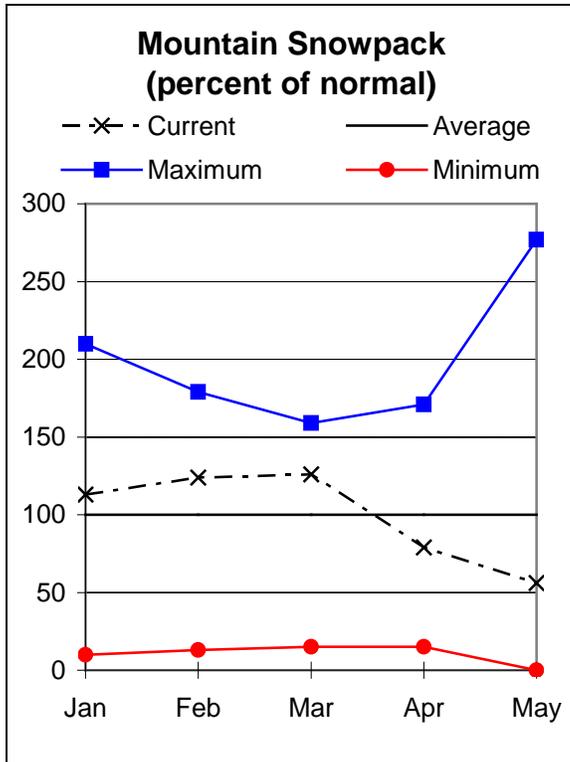
UMATILLA, WALLA WALLA, WILLOW, ROCK AND LOWER JOHN DAY BASINS					UMATILLA, WALLA WALLA, WILLOW, ROCK AND LOWER JOHN DAY BASINS			
Reservoir Storage (1000 AF) - End of May					Watershed Snowpack Analysis - June 1, 2004			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
COLD SPRINGS	50.0	32.6	29.9	39.2	Walla Walla River	2	0	0
MCKAY	73.8	65.7	65.4	62.0	Umatilla River	4	0	0
WILLOW CREEK	1.8	2.2	0.0	---	McKay Creek	3	0	0

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UPPER JOHN DAY BASIN

June 1, 2004



Water Supply Outlook

On June 1, none of the 10 SNOTEL sites in the Basin reported any snow. May precipitation was 178 percent of average, the highest percentage in the state. This amount of precipitation brings the total since the start of the Water Year to 106 percent of average, also the highest percentage in the state. The above average precipitation amounts in May helped improve the streamflow forecasts in the basin. The streamflow forecasts for the remaining spring and summer months are between 115 percent of average on Camas Creek near Ukiah and 70 percent of average on the North Fork of the John Day at Monument. Despite the increase in the water supply forecasts, irrigators may still have to use water conservation techniques to insure the supply lasts later into the season.

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

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UPPER JOHN DAY BASIN
Streamflow Forecasts - June 1, 2004

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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)	
CAMAS CREEK nr Ukiah	MAY-JUL	13.6	18.0	21	114	24	29	18.4
	MAY-SEP	14.5	19.0	22	115	25	29	19.2
MF JOHN DAY at Ritter	JUN-JUL	12.5	19.9	25	86	30	38	29
	JUN-SEP	16.3	24	30	88	36	44	34
NF JOHN DAY at Monument	JUN-JUL	36	72	97	71	122	158	136
	JUN-SEP	43	82	108	70	134	173	154
MOUNTAIN CREEK near Mitchell	MAY-JUL	1.23	1.80	2.20	82	2.60	3.20	2.70
STRAWBERRY CREEK nr Prairie City	MAY-JUL	5.30	6.30	7.00	106	7.70	8.70	6.60
	MAY-SEP	5.90	7.00	7.70	106	8.40	9.50	7.30

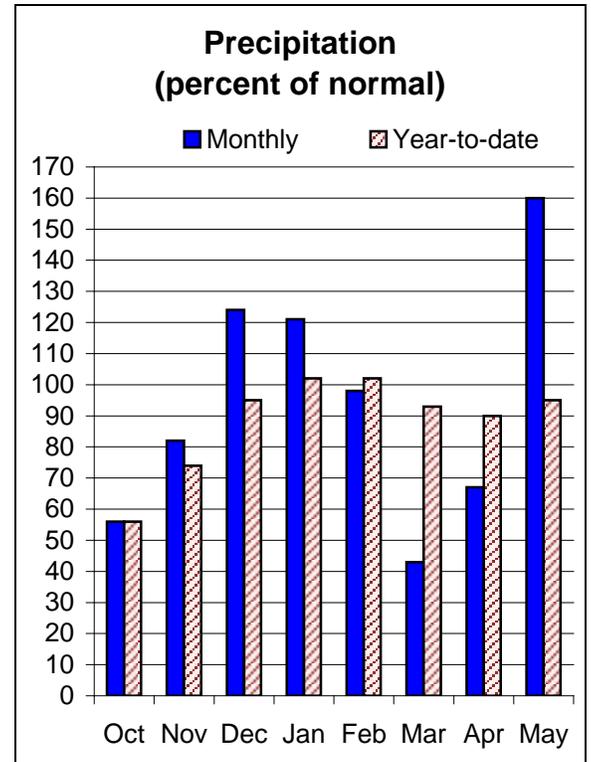
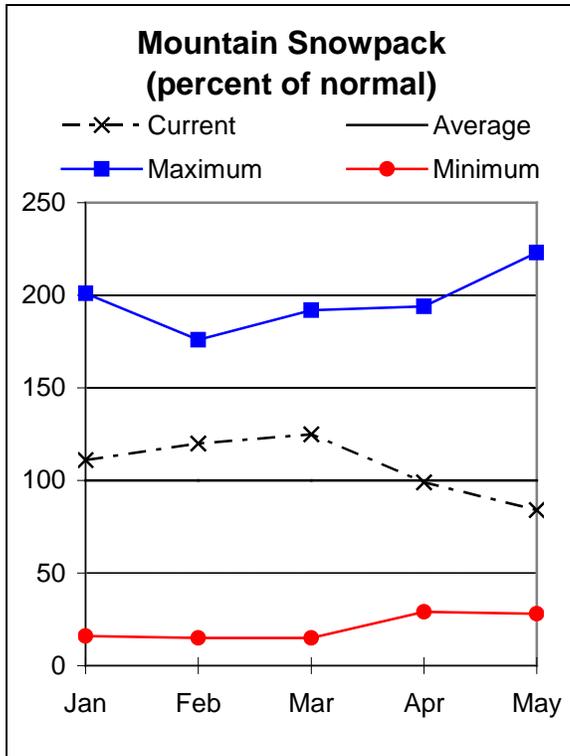
UPPER JOHN DAY BASIN Reservoir Storage (1000 AF) - End of May					UPPER JOHN DAY BASIN Watershed Snowpack Analysis - June 1, 2004			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
					John Day, North Fork	6	0	0
					John Day above Dayville	3	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

June 1, 2004



Water Supply Outlook

Only 3 of the 11 SNOTEL sites in the basin had any snow on June 1. May precipitation was 160 percent of average, bringing the total since the start of the water year to 95 percent of average. Water stored in the irrigation reservoirs of the basin was 92 percent of average at the end of May. Most of the reservoirs have begun delivering water to water users. The streamflow forecasts for the June through July period are between 100 percent of average on Tumalo Creek and 54 percent of average on the Little Deschutes. Some water users may experience water shortages this season, especially if there is no access to stored water.

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

UPPER DESCHUTES AND CROOKED BASINS
Streamflow Forecasts - June 1, 2004

Forecast Point	Forecast Period	Future Conditions						30-Yr Avg. (1000AF)
		<<===== Drier =====>>		===== Wetter =====>>				
		90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
BEAVER CREEK near Paulina	JUN-JUL	1.14	1.29	1.40	72	1.70	2.13	1.95
	JUN-SEP	0.78	1.21	1.50	71	1.79	2.22	2.10
CRANE PRAIRIE RESERVOIR INFLOW	JUN-JUL	25	28	30	88	32	35	34
	JUN-SEP	53	58	62	91	66	71	68
CRESCENT CREEK near Crescent	JUN-JUL	5.93	5.97	6.00	75	7.14	8.83	8.00
	JUN-SEP	8.5	8.6	8.7	74	10.5	13.1	11.7
DESCHUTES below Bend (2)	AUG-SEP	86	109	125	74	142	168	168
DESCHUTES at Benham Falls	JUN-JUL	143	149	153	86	157	163	177
	JUN-SEP	305	315	325	92	335	345	355
DESCHUTES below Snow Creek	JUN-JUL	14.6	17.0	18.6	95	20	23	19.5
	JUN-SEP	32	39	43	96	47	54	45
LITTLE DESCHUTES near La Pine	JUN-JUL	12.1	13.2	14.0	54	16.8	21	26
	JUN-SEP	16.7	18.1	19.0	54	23	28	35
NF CROOKED blw Lookout Ck	JUN-JUL	0.59	0.63	0.65	82	0.83	0.93	0.79
OCHOCO RESERVOIR INFLOW	JUN-JUL	1.90	1.96	2.00	69	3.20	4.90	2.90
	JUN-SEP	2.00	2.05	2.10	72	3.50	5.50	2.90
PRINEVILLE RESERVOIR INFLOW	JUN-JUL	6.40	6.46	6.50	71	10.40	16.30	9.20
	JUN-SEP	7.2	7.3	7.3	72	11.9	19.1	10.1
SQUAW CREEK near Sisters	JUN-JUL	19.3	22	23	96	24	27	24
	JUN-SEP	29	32	34	94	36	39	36
TUMALO CREEK near Bend	JUN-JUL	16.3	19.1	21	100	23	26	21
	JUN-SEP	23	26	29	97	32	35	30
WICKIUP RESERVOIR INFLOW	JUN-JUL	88	92	94	96	96	100	98
	JUN-SEP	193	200	205	98	210	215	210

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

Reservoir	Usable Capacity	*** Usable Storage ***		
		This Year	Last Year	Avg
CRANE PRAIRIE	55.3	40.4	43.6	42.5
CRESCENT LAKE	86.9	41.3	48.5	58.9
OCHOCO	47.5	42.9	31.8	35.9
PRINEVILLE	153.0	149.5	143.4	142.2
WICKIUP	200.0	139.9	151.2	166.6

UPPER DESCHUTES AND CROOKED BASINS
Watershed Snowpack Analysis - June 1, 2004

Watershed	Number of Data Sites	This Year as % of	
		Last Yr	Average
Crooked, Ochoco	2	0	0
Deschutes above Wickiup	3	156	108
Little Deschutes	4	147	110
Tumalo and Squaw Creeks	1	0	0

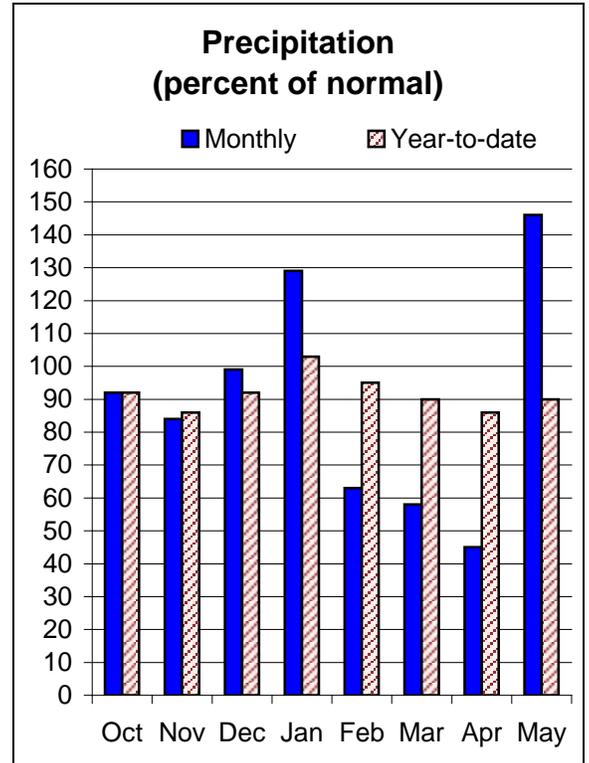
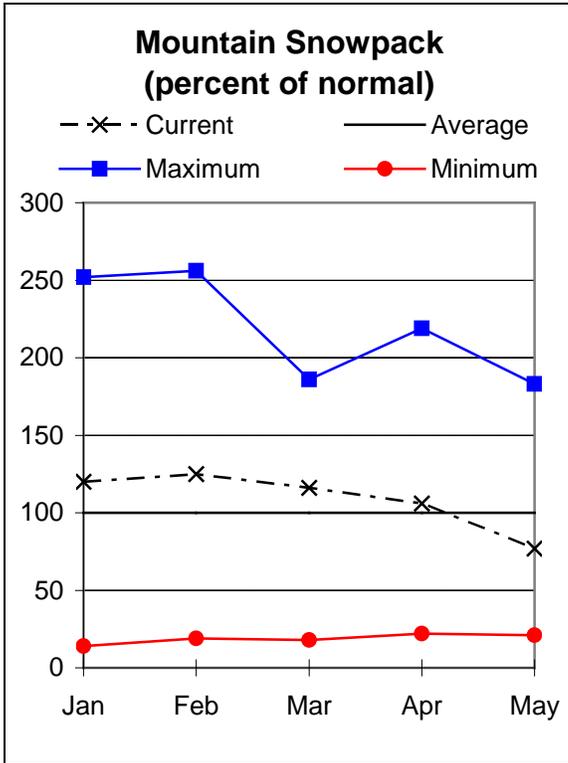
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HOOD, MILE CREEKS, AND LOWER DESCHUTES BASINS

June 1, 2004



Water Supply Outlook

On June 1, only 2 of the 7 SNOTEL sites on the slopes of Mt. Hood had any snow. May precipitation was 146 percent of average, bringing the total since the start of the water year to 90 percent of average. The streamflow forecasts for the coming summer months are between 92 percent of average on the West Fork of the Hood River and 65 percent of average on the White River below Tygh Valley. Careful water management techniques may be required to help insure that the water supply last the season.

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

HOOD, MILE CREEKS AND LOWER DESCHUTES BASINS
Streamflow Forecasts - June 1, 2004

Forecast Point	Forecast Period	Future Conditions						30-Yr Avg. (1000AF)
		<<==== Drier =====		===== 50% (Most Probable) (1000AF) (% AVG.)		===== Wetter =====>>		
		90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)	30% (1000AF)	10% (1000AF)	10% (1000AF)	
HOOD at Tucker Bridge	JUN-JUL	39	50	58	71	66	77	82
	JUN-SEP	70	84	93	74	102	116	125
WF HOOD near Dee	JUN-JUL	25	32	36	90	40	47	40
	JUN-SEP	43	50	55	92	60	67	60
WHITE below Tygh Valley	JUN-JUL	11.1	17.6	22	65	26	33	34
	JUN-SEP	24	30	35	71	40	46	49

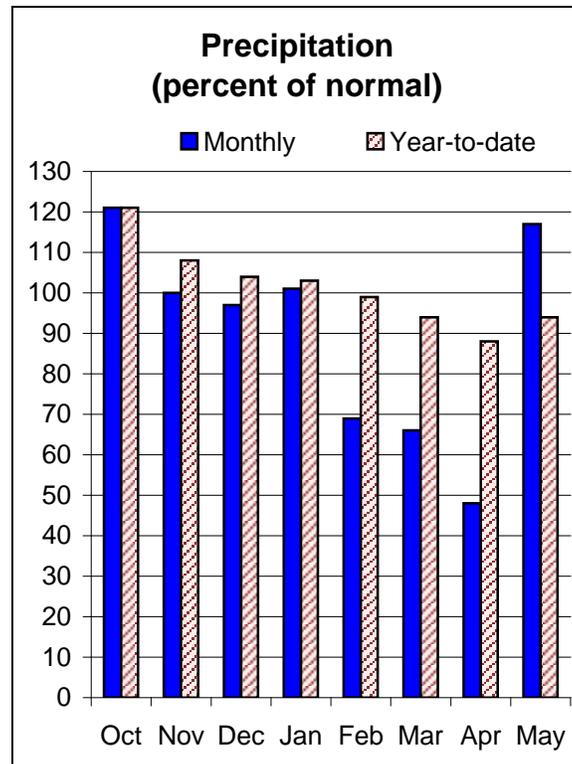
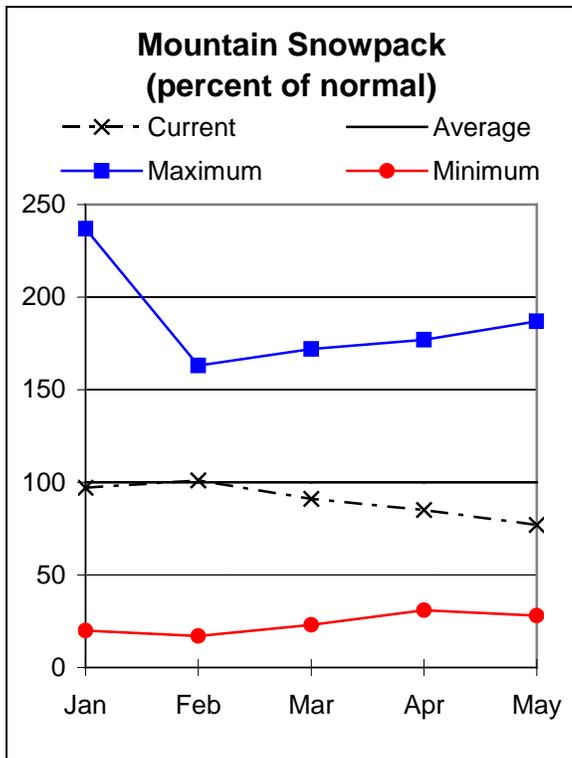
HOOD, MILE CREEKS AND LOWER DESCHUTES BASINS Reservoir Storage (1000 AF) - End of May					HOOD, MILE CREEKS AND LOWER DESCHUTES BASINS Watershed Snowpack Analysis - June 1, 2004			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
CLEAR LAKE (WASCO)	11.9	3.0	3.7	5.9	Hood River	6	87	61
					Mile Creeks	0	0	0
					White River	3	97	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

June 1, 2004



Water Supply Outlook

By the first of June, the only snow in the Columbia River Basin was at the highest sites, while most had already melted. May precipitation in the entire Columbia Basin was 117 of average, bringing the total since October 1, the start of the water year to 94 percent of average. The June through September volume water supply forecast on the Columbia River at The Dalles as of June 1 is 77 percent of average. On the Sandy River, only the Mt. Hood Test Site SNOTEL station had any snow water (76 percent of average). The streamflow forecast for the Sandy River for the June through September period is 93 percent of average. Near normal water supplies are expected for water users on the Sandy River this season.

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

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LOWER COLUMBIA BASIN
Streamflow Forecasts - June 1, 2004

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Forecast Point	Forecast Period	Future Conditions					Wetter		30-Yr Avg. (1000AF)
		<<===== Drier =====>>		=====		=====			
		90% (1000AF)	70% (1000AF)	Chance Of Exceeding * 50% (Most Probable) (1000AF) (% AVG.)		30% (1000AF)	10% (1000AF)		
COLUMBIA R. at The Dalles (2)	JUN-JUL	23544	29234	33100	76	36970	42660	43800	
	JUN-SEP	32745	39566	44200	77	48830	55650	57800	
SANDY near Marmot	JUN-JUL	73	90	101	93	112	129	109	
	JUN-SEP	117	135	148	93	161	179	159	

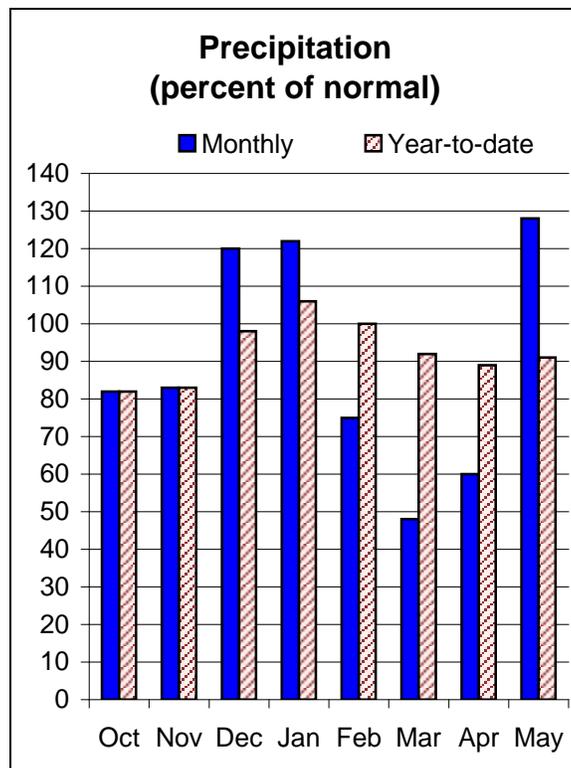
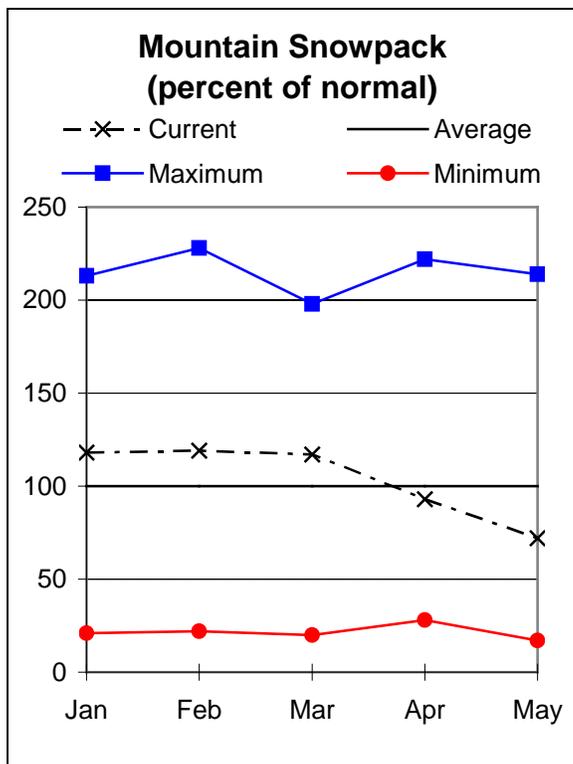
LOWER COLUMBIA BASIN Reservoir Storage (1000 AF) - End of May					LOWER COLUMBIA BASIN Watershed Snowpack Analysis - June 1, 2004			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
					Sandy River	5	92	65

* 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

June 1, 2004



Water Supply Outlook

In the Willamette River Basin on June 1, only 4 of the 18 SNOTEL sites still had any snow. May precipitation was 128 percent of average, bringing the total since the start of the water year to 91 percent of average. The combined amount of water stored in both Timothy and Scoggins Reservoirs was 106 percent of average at the end of May. The streamflow forecasts for the June through September period are between 102 percent of average on the Clackamas River at Estacada and Three Lynx and 77 percent of average for the inflow into Blue River Reservoir. Most water users should have adequate water supplies this 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

WILLAMETTE BASIN
Streamflow Forecasts - June 1, 2004

Forecast Point	Forecast Period	Future Conditions					30-Yr Avg. (1000AF)	
		<<==== Drier =====		===== Chance Of Exceeding * 50% (Most Probable) (1000AF) (% AVG.)		===== Wetter =====>>		
		90% (1000AF)	70% (1000AF)	50% (Most Probable) (1000AF)		30% (1000AF)	10% (1000AF)	
BLUE RIVER LAKE INFLOW (1,2)	JUN-JUL	0.8	9.4	13.3	81	17.2	26	16.4
	JUN-SEP	2.5	10.9	14.7	77	18.5	27	19.1
CLACKAMAS at Estacada (2)	JUN-JUL	151	186	210	100	234	269	210
	JUN-SEP	259	298	325	102	352	391	318
CLACKAMAS above Three Lynx (2)	JUN-JUL	122	145	160	101	175	198	158
	JUN-SEP	208	233	250	102	267	292	246
COTTAGE GROVE LAKE INFLOW (1,2)	JUN-SEP	4.6	8.2	9.8	98	11.4	15.0	10.0
COUGAR LAKE INFLOW (1,2)	JUN-JUL	30	47	54	84	61	78	64
	JUN-SEP	52	68	75	84	82	98	89
DETROIT LAKE INFLOW (1,2)	JUN-JUL	88	131	150	84	169	212	179
	JUN-SEP	163	209	230	86	251	297	268
DORENA LAKE INFLOW (1,2)	JUN-SEP	5.5	21	28	90	35	51	31
FALL CREEK LAKE INFLOW (1,2)	JUN-JUL	2.3	15.2	21	91	27	40	23
	JUN-JUL	2.3	15.2	21	91	27	40	23
	JUN-SEP	7.0	20	26	90	32	45	29
FOSTER LAKE INFLOW (1,2)	JUN-JUL	25	77	100	84	123	175	119
	JUN-SEP	49	105	130	83	155	211	156
GREEN PETER LAKE INFLOW (1,2)	JUN-JUL	12.9	47	63	80	79	113	79
	JUN-SEP	29	67	84	80	101	139	105
HILLS CREEK LAKE INFLOW (1,2)	JUN-OCT	113	132	140	85	148	167	164
LITTLE NORTH SANTIAM (1)	JUN-JUL	1.3	20	29	85	38	57	34
	JUN-SEP	6.9	27	36	82	45	65	44
LOOKOUT POINT LAKE INFLOW (1,2)	JUN-OCT	257	314	340	85	366	423	402
McKENZIE below Trail Bridge (2)	JUN-JUL	86	92	96	84	100	106	115
	JUN-SEP	157	166	172	86	178	187	200
McKENZIE near Vida (1,2)	JUN-JUL	229	285	310	86	335	391	360
	JUN-SEP	410	472	500	86	528	590	584
MOHAWK near Springfield	JUN-JUL	2.9	10.3	15.4	87	21	28	17.7
OAK GROVE FORK above Power Intake	JUN-JUL	40	46	50	100	54	60	50
	JUN-SEP	73	81	87	100	93	101	87
NORTH SANTIAM at Mehama (1,2)	JUN-JUL	84	167	205	88	243	326	233
	JUN-SEP	156	245	285	85	325	414	336
SOUTH SANTIAM at Waterloo (2)	JUN-JUL	28	77	110	85	143	192	130
	JUN-SEP	60	111	145	86	179	230	169
SCOGGINS CREEK near Gaston (2)	JUN-JUL	0.48	1.15	1.60	92	2.05	2.72	1.74
THOMAS CREEK near Scio	JUN-JUL	2.6	10.0	15.0	87	20	27	17.2
MF WILLAMETTE below NF (1,2)	JUN-OCT	282	322	340	87	358	398	391
WILLAMETTE at Salem (1,2)	JUN-JUL	542	916	1085	90	1254	1628	1207
	JUN-SEP	910	1316	1500	90	1684	2090	1664

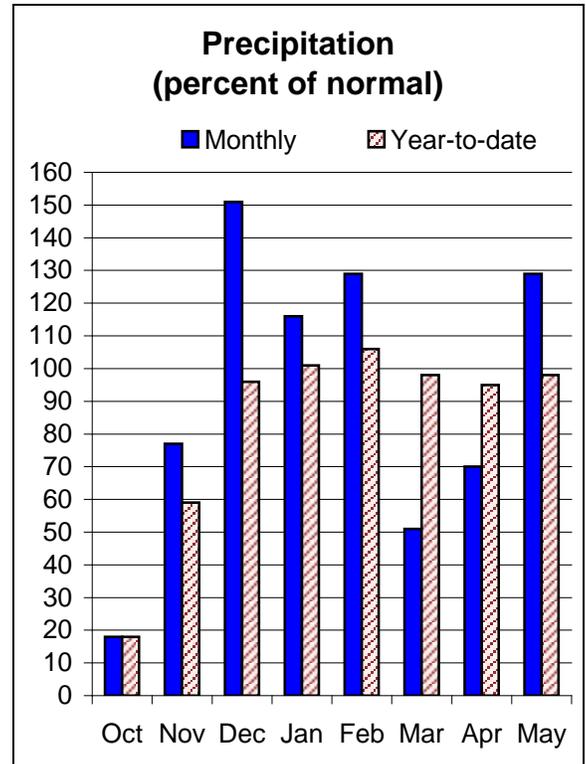
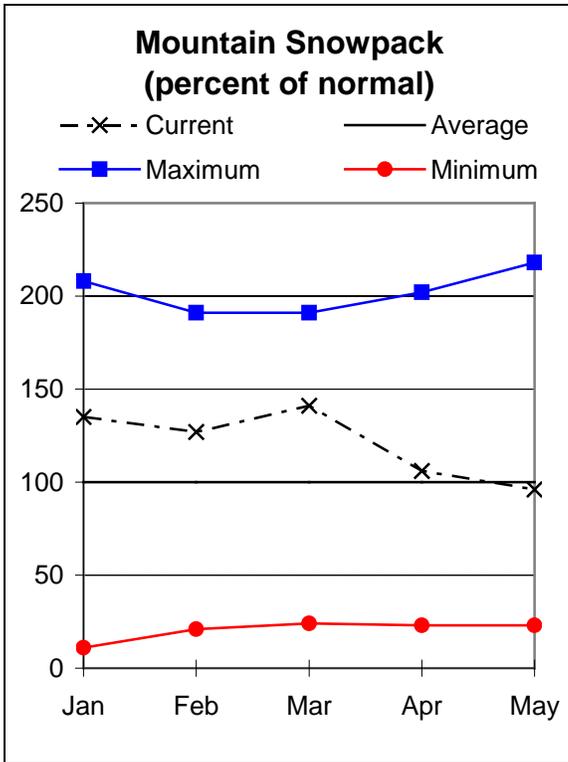
WILLAMETTE BASIN Reservoir Storage (1000 AF) - End of May					WILLAMETTE BASIN Watershed Snowpack Analysis - June 1, 2004			
Reservoir	Usable Capacity	*** Usable Storage This Year	*** Usable Storage Last Year	*** Avg	Watershed	Number of Data Sites	This Year as % of Last Yr Average	
BLUE RIVER **	85.5	80.0	78.3	78.2	Clackamas River	4	0	0
COTTAGE GROVE **	29.8	28.4	31.8	29.9	McKenzie River	4	27	16
COUGAR **	155.2	0.0	0.0	205.4	Row River	1	0	0
DETROIT **	300.7	287.2	286.1	317.5	Santiam River	6	0	0
DORENA **	70.5	67.9	70.3	71.3	Willamette, Middle Fork	6	147	89
FALL CREEK **	115.5	110.8	108.1	107.0				
FERN RIDGE **	109.6	88.2	90.0	95.9				
FOSTER **	29.7	25.2	24.6	28.5				
GREEN PETER **	268.2	141.5	194.4	306.6				
HILLS CREEK **	200.2	165.1	195.0	232.5				
LOOKOUT POINT **	337.0	157.9	350.4	307.7				
TIMOTHY LAKE		NO REPORT						
HENRY HAGG LAKE	53.0	53.8	53.6	52.4				

* 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.

ROGUE AND UMPQUA BASINS

June 1, 2004



Water Supply Outlook

Of the 10 SNOTEL sites in these basins, only 4 sites had any snow on June 1. May precipitation was 129 percent of average, bringing the total since the start of the water year to 98 percent of average. The water stored in the irrigation reservoirs continued to increase during May and at the end of the month there were 117,200 acre-feet of water stored. The streamflow forecasts for the coming summer months are between 89 percent of average on the inflow into Applegate Lake and 67 percent of average on Cow Creek and the South Umpqua. Careful water management will be necessary to help stretch the water supplies to the end of the season.

For more information contact your local
 Natural Resources Conservation Service Office
 Roseburg - (541) 673-8316; Medford - (541) 776-4267

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ROGUE AND UMPQUA BASINS
Streamflow Forecasts - June 1, 2004

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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)	JUN-JUL	16.4	22	26	87	30	36	30
	JUN-SEP	20	27	32	89	37	44	36
SF BIG BUTTE CK nr Butte Falls	JUN-JUL	6.7	8.7	10.0	84	11.3	13.3	11.9
CLEARWATER above Trap Creek (2)	MAY-SEP	42	44	46	82	48	51	56
COW CREEK near Azalea	JUN-JUL	1.04	1.61	2.00	67	2.39	2.96	3.00
	JUN-SEP	1.88	2.55	3.00	71	3.45	4.12	4.20
FOURMILE LAKE net Inflow (2)	APR-JUL	2.20	3.63	4.60	79	5.57	7.00	5.80
	MAY-SEP	3.00	4.25	5.10	80	5.95	7.20	6.40
GRAVE CREEK at Pease Bridge	JUN-JUL	0.38	0.60	0.75	85	0.90	1.12	0.88
HYATT PRAIRIE RES net Inflow (2)	MAY-JUL	0.89	1.55	2.00	83	2.45	3.11	2.40
ILLINOIS R near Kerby	JUN-JUL	10.4	19.1	25	83	31	40	30
	JUN-SEP	14.0	25	32	87	39	50	37
NF LITTLE BUTTE CK nr Lakecreek (2)	MAY-JUL	1.47	3.99	5.70	83	7.41	9.93	6.90
	MAY-SEP	2.5	6.5	9.2	84	11.9	15.9	10.9
SF LITTLE BUTTE CK nr Lakecreek (2)	MAY-JUL	8.9	11.9	14.0	86	16.1	19.1	16.2
LOST CREEK LAKE INFLOW (2)	JUN-JUL	149	167	180	84	193	211	215
	JUN-SEP	254	278	295	86	312	336	345
RED BLANKET CK nr Prospect	MAY-JUL	14.3	18.9	22	85	25	30	26
ROGUE above Prospect	JUN-JUL	62	73	80	86	87	98	93
	JUN-SEP	107	121	130	87	139	153	149
SF ROGUE near Prospect (2)	MAY-JUL	24	31	35	83	39	46	42
	MAY-SEP	31	39	44	82	49	57	54
ROGUE R at Raygold (2)	JUN-JUL	179	200	215	84	230	251	255
	JUN-SEP	313	341	360	86	379	407	420
ROGUE R at Grants Pass (2)	JUN-JUL	160	184	200	83	216	240	240
	JUN-SEP	279	309	330	86	351	381	385
SUCKER CK blw Little Grayback	JUN-JUL	6.3	9.1	11.0	81	12.9	15.7	13.6
	JUN-SEP	9.8	12.9	15.0	84	17.1	20	17.8
NORTH UMPQUA nr Toketee Falls (2)	MAY-SEP	98	107	114	84	121	130	135
NORTH UMPQUA at Winchester	JUN-JUL	141	176	200	83	224	259	240
SOUTH UMPQUA near Brockway	JUN-JUL	14.2	33	46	67	59	78	69
SOUTH UMPQUA at Tiller	JUN-JUL	10.6	22	30	73	38	49	41
	JUN-SEP	19.6	32	40	78	48	60	51

ROGUE AND UMPQUA BASINS Reservoir Storage (1000 AF) - End of May					ROGUE AND UMPQUA BASINS Watershed Snowpack Analysis - June 1, 2004			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
APPLEGATE	75.2	62.0	62.0	66.8	Applegate River	2	67	123
EMIGRANT LAKE	39.0	35.1	38.2	35.3	Bear Creek	1	67	123
FISH LAKE	8.0	5.4	4.7	6.6	Butte Creek	3	31	6
FOURMILE LAKE	16.1	8.1	6.8	12.5	Illinois River	1	0	0
HOWARD PRAIRIE	60.0	52.5	42.6	50.2	North Umpqua River	3	147	124
HYATT PRAIRIE	16.1	16.2	13.2	13.5	Rogue River	9	85	75
LOST CREEK **	315.0	178.3	304.3	305.3				

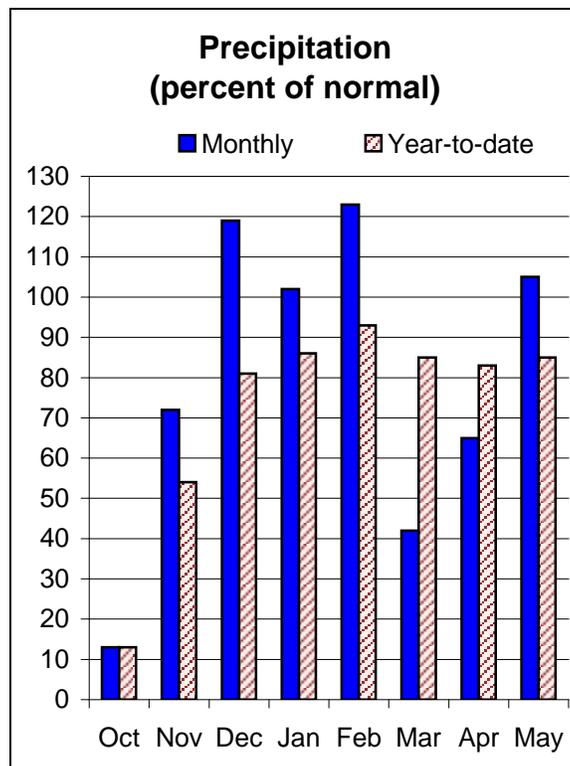
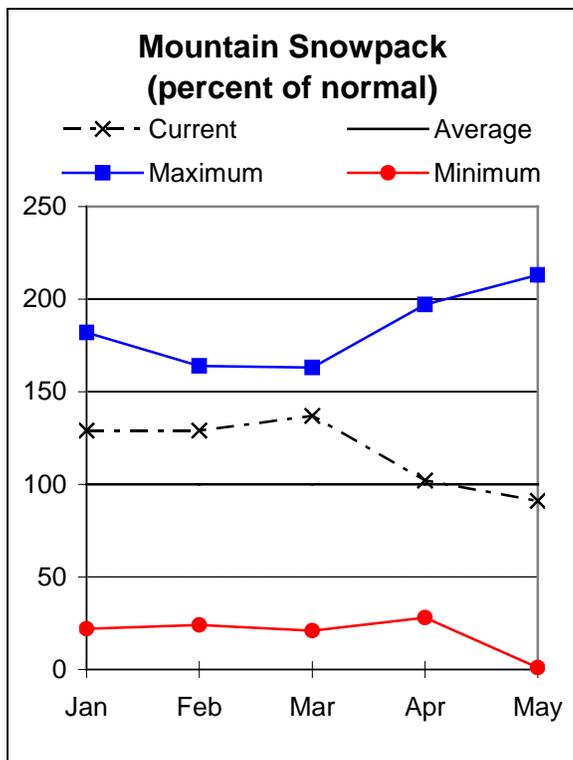
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

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

KLAMATH BASIN

June 1, 2004



Water Supply Outlook

On June 1, only 2 of the 14 SNOTEL sites in the Basin had any snow. May precipitation was 105 percent of average, the lowest percentage in the state. The May precipitation amount brings the total precipitation since the start of the Water Year on October 1 to 85 percent of average. At the end of May, the water stored in the irrigation reservoirs was 52 percent of average, with all reservoirs down from the last month as water was supplied to users. The streamflow forecasts for the remaining spring and summer months are between 60 percent of average for the Williamson River and 9 percent of average for the inflow into Gerber Reservoir. Water shortages will exist for many water users this season.

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

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KLAMATH BASIN
Streamflow Forecasts - June 1, 2004

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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)	
CLEAR LK Net Inflow (2)	MAY-JUL	0.4	3.5	7.0	36	10.5	15.8	19.3
GERBER RESERVOIR net Inflow (2)	MAY-JUL	0.06	0.19	0.55	9	1.73	3.47	6.40
SPRAGUE R nr Chiloquin	MAY-SEP	48	65	77	50	89	106	155
UPPER KLAMATH LK net Inflow (1)	MAY-SEP	73	157	195	57	233	317	340
WILLIAMSON R nr Chiloquin	MAY-SEP	82	128	160	60	192	238	265

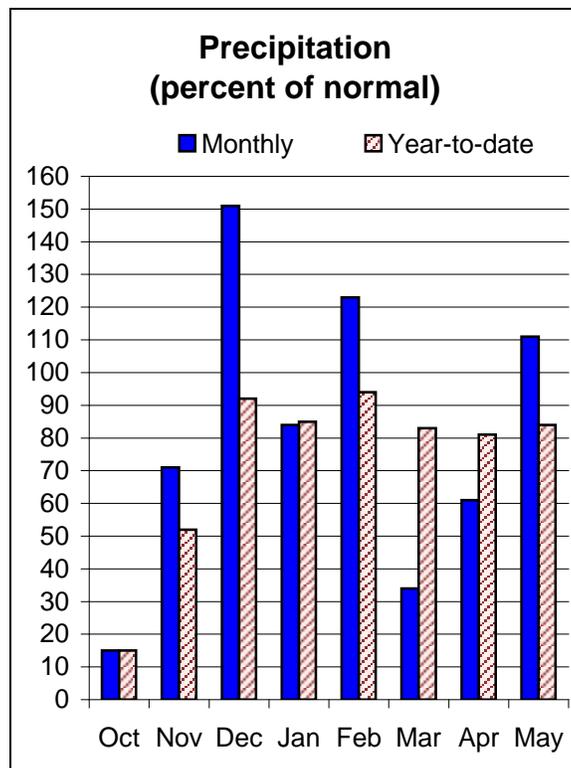
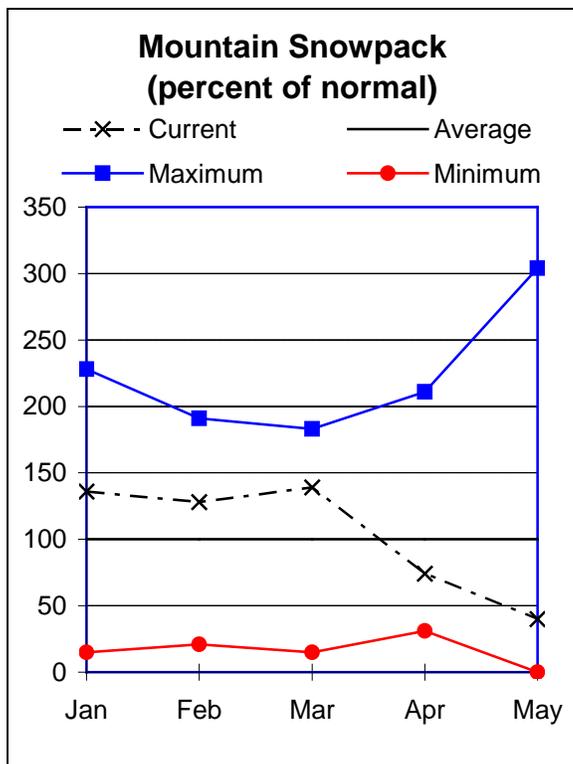
KLAMATH BASIN Reservoir Storage (1000 AF) - End of May					KLAMATH BASIN Watershed Snowpack Analysis - June 1, 2004			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
CLEAR LAKE (CALIF)	513.3	120.0	129.3	256.5	Lost River	2	0	0
GERBER	94.3	42.7	49.6	68.4	Sprague River	3	0	0
UPPER KLAMATH LAKE	523.7	421.8	464.3	487.0	Upper Klamath Lake	9	93	56
					Williamson River	4	100	89

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

LAKE COUNTY AND GOOSE LAKE

June 1, 2004



Water Supply Outlook

Only the Dismal Swamp SNOTEL site in California had any snow as of the first of June. May precipitation was 111 percent of average, bringing the total since the start of the water year to 84 percent of average, the lowest percentage in the state. Water stored in the irrigation reservoirs at the end of May was 74 percent of average, a drop from last month as the reservoirs are supplying water to water users. The streamflow forecast for the remaining spring and summer months are between 50 percent of average on the Chewaucan River near Paisley and 23 percent of average on Silver Creek. Water shortages will be experienced by many users this season.

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

LAKE COUNTY AND GOOSE LAKE BASINS
Streamflow Forecasts - June 1, 2004

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)	
BRIDGE CK nr Spahr Ranch	MAY-JUL	0.03	0.47	1.00	36	1.53	2.31	2.80
CHEWAUCAN R nr Paisley	MAY-JUL	7.7	18.0	25	48	32	42	52
	MAY-SEP	10.2	21	28	50	35	46	56
COTTONWOOD CK nr Lakeview (2)	MAY-JUL	0.99	1.65	2.10	36	2.55	3.21	5.80
DEEP CK abv Adel	MAY-JUL	8.0	13.4	17.0	38	21	26	45
	MAY-SEP	9.1	14.4	18.0	38	22	27	47
DREWS RESERVOIR net Inflow (2)	MAY-JUL	0.08	0.47	2.20	28	4.19	7.13	7.90
HONEY CK nr Plush	MAY-JUL	0.1	1.6	3.3	31	5.0	7.6	10.8
	MAY-SEP	3.4	3.4	3.5	32	3.6	3.6	11.0
SILVER CK nr Silver Lk	MAY-JUL	0.26	1.12	2.00	23	3.71	6.22	8.60
TWENTYMILE CK nr Adel	MAY-JUL	0.1	1.1	4.0	38	6.9	11.1	10.6
	MAY-SEP	0.1	1.6	4.5	41	7.4	11.7	11.1

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

LAKE COUNTY AND GOOSE LAKE BASINS
Watershed Snowpack Analysis - June 1, 2004

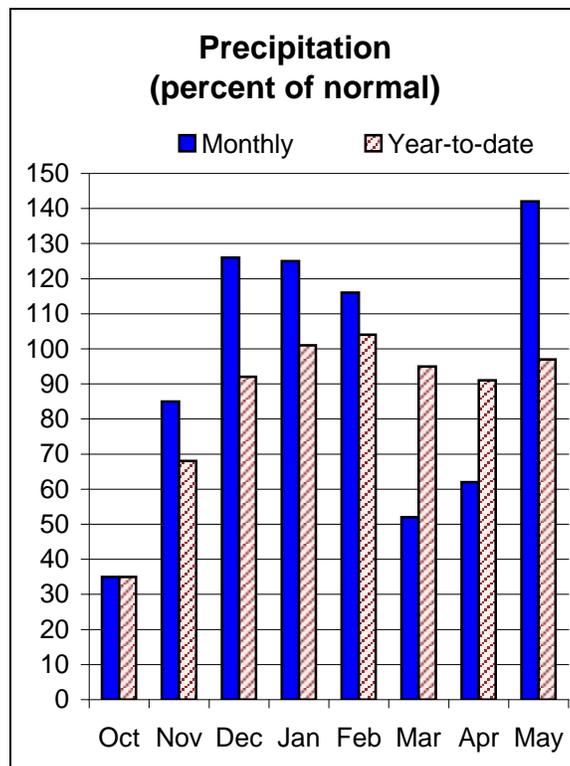
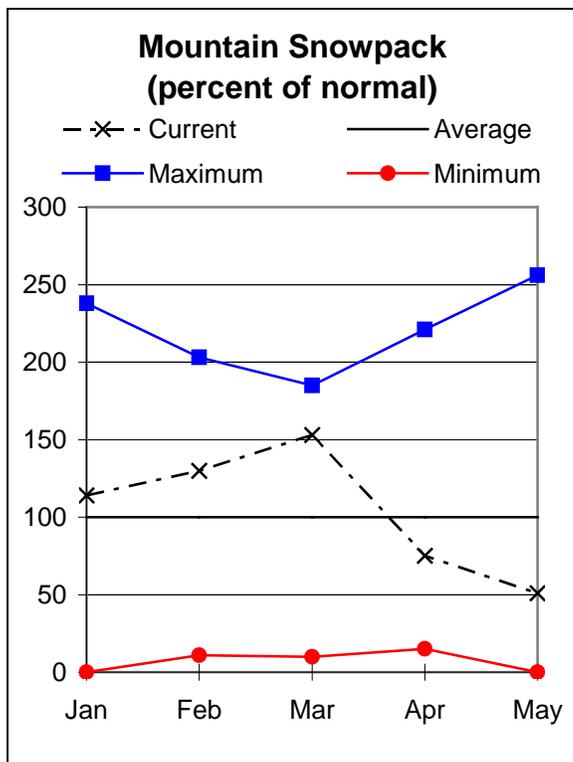
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
COTTONWOOD		NO REPORT			Chewaucan River	2	0	0
DREWS		NO REPORT			Deep Creek	1	0	17
THOMPSON VALLEY		NO REPORT			Drew Creek	2	0	0
					Honey Creek	0	0	0
					Silver Creek (Lake Co.)	3	0	0
					Twentymile Creek	1	0	17

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

HARNEY BASIN

June 1, 2004



Water Supply Outlook

As of the first of June, only the Fish Creek SNOTEL site at the 7900 foot elevation on Steens Mountain had any snow. May precipitation was 142 percent of average, bringing the total precipitation amount since the start of the water year on October 1 to 97 percent of average. The streamflow forecasts for the May through July period are between 72 percent of average on the Donner und Blitzen and 36 percent of average on Trout Creek. Water shortages are expected for many water users this season.

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

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HARNEY BASIN
Streamflow Forecasts - June 1, 2004

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Forecast Point	Forecast Period	Future Conditions						30-Yr Avg. (1000AF)
		<<===== Drier =====>>		===== Wetter =====>				
		90% (1000AF)	70% (1000AF)	Chance Of Exceeding * 50% (Most Probable) (1000AF) (% AVG.)		30% (1000AF)	10% (1000AF)	
DONNER und BLITZEN R nr Frenchglen	MAY-JUL	27	32	36	72	40	45	50
	MAY-SEP	30	36	40	71	44	50	56
SILVER CK nr Riley	MAY-JUL	0.21	1.87	3.00	44	4.13	5.79	6.80
SILVIES R nr Burns	MAY-JUL	1.0	14.8	29	59	43	64	49
	MAY-SEP	0.5	16.3	31	60	46	67	52
TROUT CK nr Denio	MAY-JUL	0.07	1.49	2.60	36	3.71	5.35	7.20
	MAY-SEP	0.08	1.69	2.90	37	4.11	5.89	7.80

HARNEY BASIN Reservoir Storage (1000 AF) - End of May					HARNEY BASIN Watershed Snowpack Analysis - June 1, 2004			
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	2	89	55
					Silver Creek (Harney Co)	1	0	0
					Silvies River	4	0	0
					Trout Creek	1	0	0

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* 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.