

GENERAL OUTLOOK

May 1, 2004

SUMMARY

For the second consecutive month, conditions in Oregon can be summarized as dry and warm. The well above average snowpack that was measured on the first of March has largely melted. As of May 1, the snowpack in the mountains of Oregon was between 96 percent of average in the Rogue and Umpqua Basins and 40 percent of average in Lake County. This can be compared to March 1 when the snowpacks were between 153 and 109 percent of average. Precipitation for April was below average in all basins, ranging from 90 percent of average in the Owyhee/Malheur Basins to 45 percent of average in those basins surrounding Mt. Hood. Since the start of the water year the total amount of precipitation has ranged from 97 percent of average in the Upper John Day Basin to 81 percent of average in Lake County. Water stored in the 27 major irrigation reservoirs in the state increased from last month. As of April 30, there were 2,099,500 acre feet of water stored, representing 81 percent of average and 67 percent of the capacity. Observed stream flows have generally decreased since last month. The streamflow forecasts for the remaining spring and summer months are between 95 percent of average on Tumalo Creek and 21 percent of average on Silver Creek near Silver Lake. Careful water management of limited supplies will be necessary in many areas of the state to meet the water demand, but some users can expect water shortages this season.

SNOWPACK

As of May 1, the snowpack in the mountains of Oregon was between 96 percent of average in the Rogue and Umpqua Basins and 40 percent of average in the Lake County area. At some locations even these values are misleading. Much of the snow in all the basins of Oregon has melted, in some instances anywhere from one to one and a half months early depending on location and elevation. The snow remaining is generally at the higher elevations and doesn't represent a large amount of snow available for runoff. The impact of the below average precipitation and the above average temperatures on the mountain snowpack since March 1, has produced a decline of substantial proportions. On March 1, the snowpack was between 153 percent of average in the Harney basin and 109 percent of average in northeast Oregon. Generally, the maximum accumulation of snow occurs between April 1 and April 15, depending on the elevation. Even the deepest measured snowpacks began melting in March this season.

PRECIPITATION

Most locations in Oregon, April represented a second month in a row with below average precipitation. The amounts of precipitation state-wide were between 90 percent of average in the Owyhee/Malheur Basins and 45 percent of average near Mt. Hood. These amounts of precipitation bring the total amount since the start of the water year to between 97 percent of average in the Upper John Day Basin to 81 percent of average in Lake County. This pattern of precipitation is just about completely the reverse of last year when both March and April were well above average.

RESERVOIRS

Most reservoirs in the state continued to store water during April, but there were a few where drafting of the stored water has already been necessary. The 27 major irrigation reservoirs in the state had 2,099,500 acre-feet of water stored at the end of April, representing 81 percent of average and 67 percent of the capacity. This is an increase of 74,100 acre-feet since last month. Many reservoirs will not fill this season. Last year the same 27 reservoirs had 1,866,700 acre-feet of water, or 70 percent of average and 57 percent of the capacity.

STREAMFLOW

Observed streamflow in April were generally lower than last month. Many streams have already experienced the peak of the runoff derived from snowmelt and are receding. The streamflow forecasts for the remaining spring and summer months are between 95 percent of average on Tumalo Creek and 21 percent of average on Silver Creek near Silver Lake. Water uses in many locations of the state will experience shortages this season. In other areas, careful water management will be necessary to make the supplies last. The following table summarizes the forecasts for selected streams in the state.

STREAM	PERIOD	PERCENT Of AVERAGE
Owyhee Net Inflow	May-Jul	38
Grande Ronde at La Grande	May-Sep	55
Umatilla at Pendleton	May-Sep	78
Deschutes at Benham Falls	May-Sep	85
Willamette near Salem	May-Sep	73
Rogue at Raygold	May-Sep	85
Upper Klamath L. Net Inflow	May-Sep	68
Silvies nr Burns	May-Sep	58

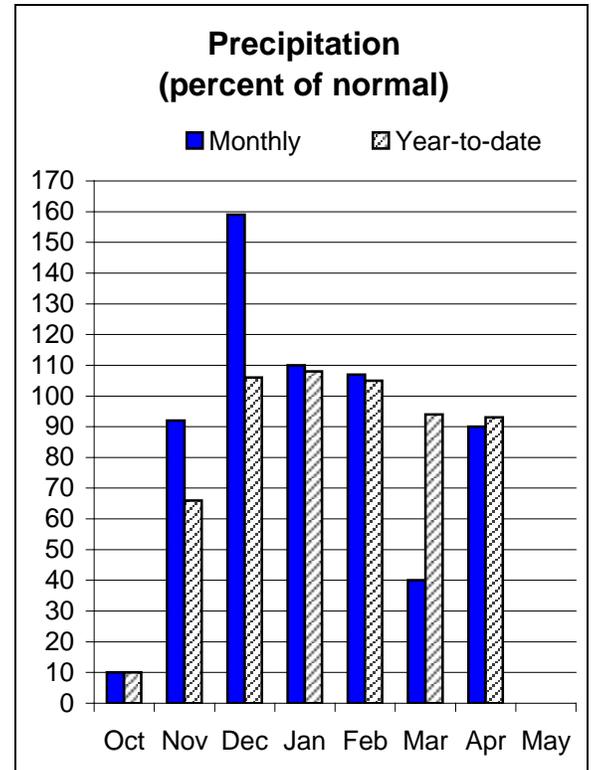
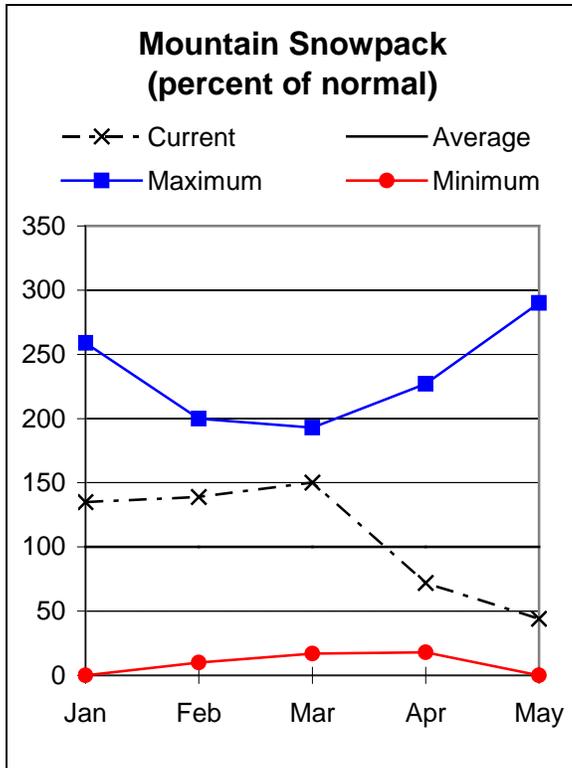
Some of these forecasts assume normal weather conditions will occur from now to the end of the forecast period.

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

May 1, 2004



Water Supply Outlook

The May 1 snowpack was 44 percent of average, a 28 percent drop from last month and a fall of 106 percent from March 1. Last year the snowpack was 74 percent of average. April precipitation was 90 percent of average, the highest percentage in the state. Since the start of the water year, the total precipitation has been 93 percent of average. Reservoir storage at the end of April had improved to 70 percent of average, however many of the irrigation reservoirs are not expected to fill. The streamflow forecasts for the remainder of the spring and summer are between 38 percent of average for the inflow into Owyhee Reservoir and on the North Fork of the Malheur and 23 percent of average on the Malheur River near Drewsey. Water shortages can be expected by users in the basin, especially if there is no access to stored water.

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

OWYHEE AND MALHEUR BASINS
Streamflow Forecasts - May 1, 2004

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)	
MALHEUR near Drewsey	MAY-JUL	4.5	6.5	8.0	23	9.7	12.5	35
	MAY-SEP	4.8	6.9	8.5	23	10.3	13.3	37
NF MALHEUR at Beulah	MAY-JUL	10.5	12.5	13.9	38	15.4	17.8	37
	MAY-SEP	12.6	14.7	16.2	38	17.8	20	43
OWYHEE RESV INFLOW (2)	MAY-JUL	34	61	85	38	112	160	225
	MAY-SEP	42	72	96	38	124	172	255
OWYHEE near Rome	MAY-JUL	26	52	75	36	102	149	210
SUCCOR CK nr Jordan Valley	MAY-JUL	0.88	1.73	2.30	32	4.10	6.70	7.10

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

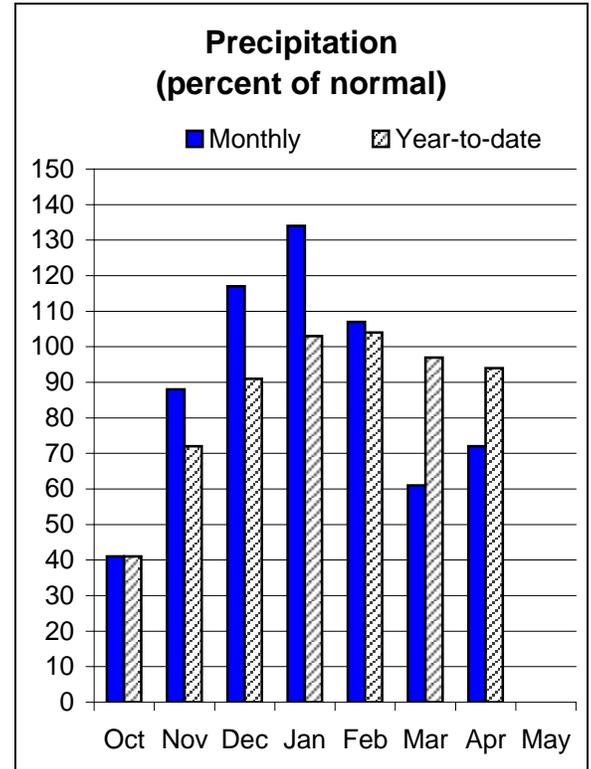
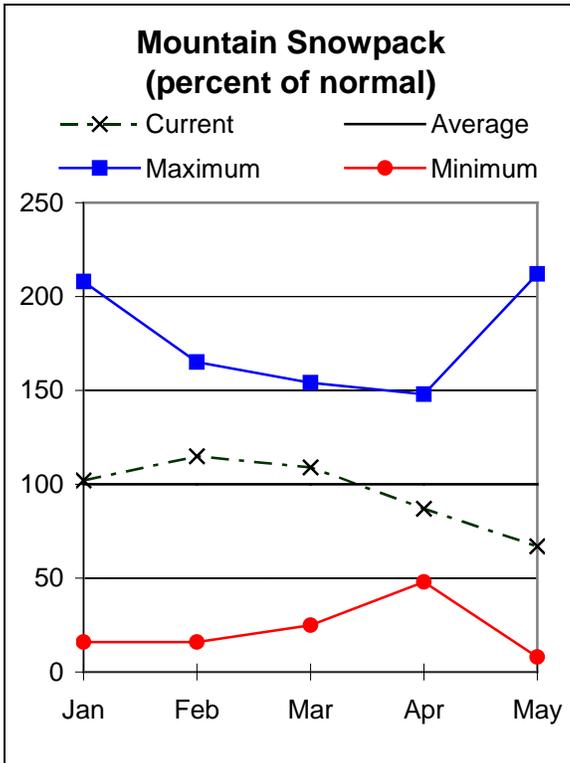
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
BEULAH RES	60.0	49.5	36.1	51.2	Owyhee River	7	54	35
BULLY CREEK	30.0	28.8	19.3	25.6	Malheur	3	54	52
OWYHEE	715.0	416.6	214.8	613.6	Jordan Creek	1	0	0
WARMSPRINGS	191.0	93.9	64.9	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, 2004



Water Supply Outlook

The snowpack on May 1 was 67 percent of average, a 20 percent drop from last month. Last year the snowpack was 88 percent of average. April precipitation was 72 percent of average, bringing the total since the start of the water year to 94 percent of average. As of April 30, the reservoir storage in the major irrigation reservoirs was 54 percent of average. The streamflow forecasts for the remaining spring and summer months are between 75 percent of average on Hurricane Creek near Joseph and 39 percent of average on Burnt Creek near Hereford. Some water users may experience water shortages, especially if there is no access to stored water.

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 - May 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	MAY-JUL	5.3	7.7	9.3	65	10.9	13.3	14.3
BEAR CREEK near Wallowa	MAY-SEP	26	34	40	71	46	54	56
BIG CK bl Burn Ck nr Medical Spgs	MAY-JUL	1.90	3.00	3.80	57	4.60	5.70	6.70
BURNT near Hereford (2)	MAY-JUL	4.2	5.8	6.8	39	9.5	13.4	17.3
	MAY-SEP	4.7	6.4	7.5	39	10.4	14.6	19.1
CATHERINE CREEK near Union	MAY-SEP	26	31	34	64	37	42	53
DEER CK nr Sumpter	MAY-JUL	3.2	4.0	4.5	43	6.1	8.4	10.5
EAGLE CREEK abv Skull Creek	MAY-JUL	66	80	90	66	100	114	136
	MAY-SEP	75	90	100	66	110	125	151
GRANDE RONDE at La Grande	MAY-JUL	30	47	59	56	71	88	106
	MAY-SEP	32	50	62	55	74	92	112
GRANDE RONDE at Troy (1)	MAY-JUL	366	534	610	67	686	855	910
	MAY-SEP	403	590	675	67	760	945	1010
HURRICANE CREEK near Joseph	MAY-SEP	27	29	30	75	31	33	40
IMNAHA at Imnaha	MAY-SEP	125	151	168	70	185	209	240
LOSTINE near Lostine	MAY-SEP	69	74	78	70	82	87	112
PINE CREEK near Oxbow	MAY-JUL	50	63	71	66	79	92	108
POWDER near Sumpter (2)	MAY-JUL	13.0	20	24	59	28	35	41
	MAY-SEP	13.0	19.0	24	59	29	35	41
EF WALLOWA near Joseph	MAY-SEP	6.1	6.9	7.4	72	7.9	8.7	10.3
WALLOWA at Joseph (2)	MAY-JUL	35	39	42	71	45	49	59
WOLF CK RESERVOIR inflow	MAY-JUN	1.8	4.3	6.0	58	7.7	10.2	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, 2004

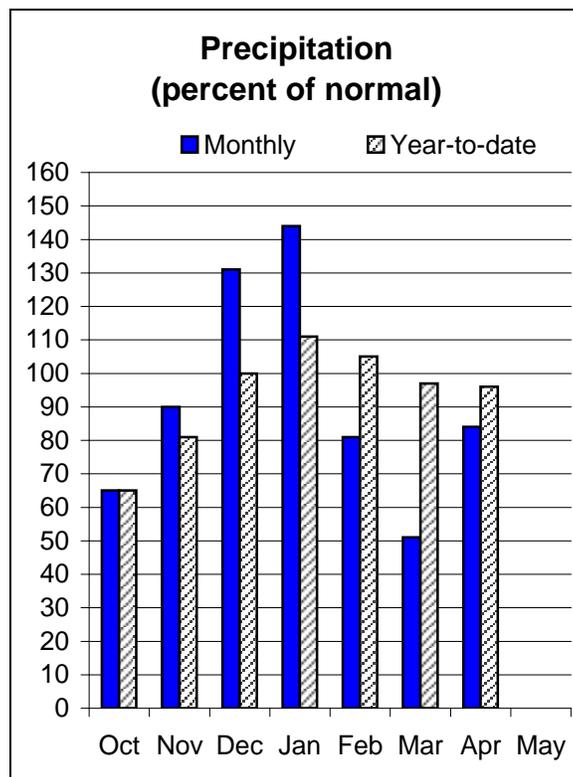
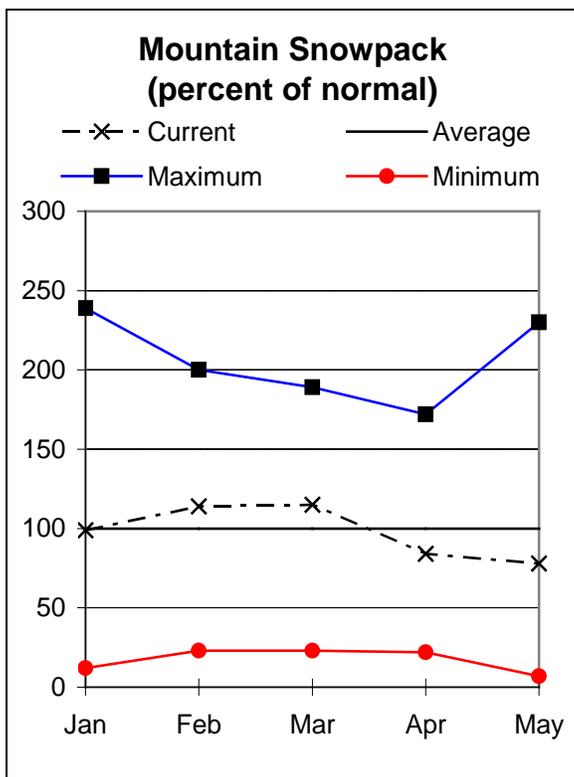
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
PHILLIPS LAKE	73.5	33.5	23.4	59.9	Grande Ronde ab LaGrande	6	93	82
THIEF VALLEY	17.4	13.4	13.3	17.5	Powder River	6	85	68
UNITY	25.2	24.9	24.9	24.3	Wallowa, Imnaha, Catherine	5	69	71
WALLOWA LAKE		NO REPORT			Burnt River	3	63	52
WOLF CREEK		NO REPORT						

* 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, 2004



Water Supply Outlook

The snowpack on May 1 was 78 percent of average, a 6 percent drop from last month. Last year the snowpack was 75 percent of average. April precipitation was 84 percent of average, bringing the total since the start of the water year on October 1, to 96 percent of average. Water stored in the irrigation reservoirs was 99 percent of average at the end of April. The streamflow forecasts for the remainder of the spring and summer are between 81 percent of average on the Umatilla near Gibbon and 51 percent of average on the inflow into Willow Creek. Water shortages can be expected by some users this 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 - May 1, 2004

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	0.72	1.96	2.80	60	3.60	4.90	4.70
COUSE CREEK near Milton-Freewater	MAY-JUL	0.30	0.78	1.10	59	1.42	1.89	1.87
MCKAY near Pilot Rock	MAY-SEP	2.7	6.0	8.3	67	11.8	16.5	12.4
PINE CREEK near Weston	MAY-JUL	0.19	0.49	0.70	70	0.91	1.21	1.00
RHEA CREEK near Heppner	MAY-JUL	1.30	1.70	2.00	59	2.30	2.70	3.40
ROCK CREEK above Whyte	MAY-JUL	1.26	1.70	3.40	76	5.64	8.89	4.50
UMATILLA near Gibbon	MAY-JUL	20	28	34	81	40	48	42
	MAY-SEP	25	33	39	81	45	53	48
UMATILLA at Pendleton	MAY-JUL	31	49	61	78	73	91	78
	MAY-SEP	36	54	66	79	78	96	84
SF WALLA WALLA near Milton-Freewater	MAY-JUL	20	24	27	71	30	34	38
	MAY-SEP	28	33	36	71	39	44	51
WILLOW CREEK LAKE INFLOW	MAY-JUL	1.10	1.64	2.00	51	2.70	3.80	3.90

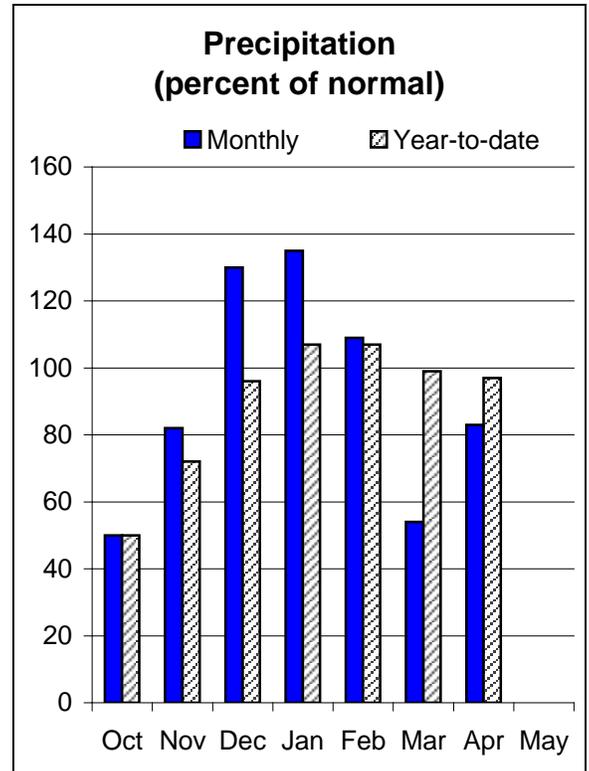
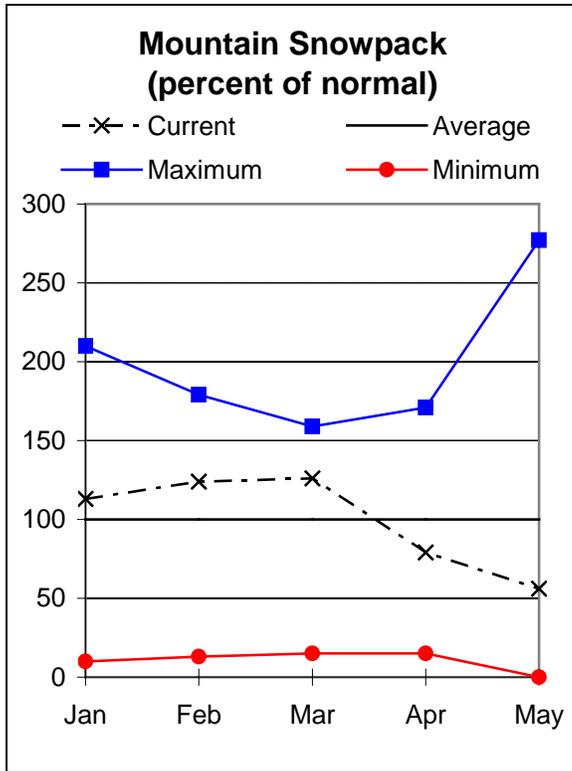
UMATILLA, WALLA WALLA, WILLOW, ROCK AND LOWER JOHN DAY BASINS					UMATILLA, WALLA WALLA, WILLOW, ROCK AND LOWER JOHN DAY BASINS			
Reservoir Storage (1000 AF) - End of April					Watershed Snowpack Analysis - May 1, 2004			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
COLD SPRINGS	50.0	37.8	33.4	42.7	Walla Walla River	3	111	95
MCKAY	73.8	65.5	65.5	61.6	Umatilla River	5	133	104
WILLOW CREEK	1.8	1.9	0.0	---	McKay Creek	3	0	0

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UPPER JOHN DAY BASIN

May 1, 2004



Water Supply Outlook

The May 1 snowpack was 56 percent of average in the John Day Basin, a 23 percent drop from last month and a 70 percent drop from March 1. Last year at the snowpack was 70 percent of average. April precipitation was 83 percent of average, bringing the total since the start of the water year to 97 percent of average, the highest percentage in the state. The streamflow forecasts for the remainder of the spring and summer months are between 80 percent of average on Strawberry Creek near Prairie City and 41 percent of average on Camas Creek near Ukiah. Some water users may experience water shortages this 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 - May 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	4.4	6.3	7.5	41	10.5	15.0	18.4
	MAY-SEP	4.7	6.5	7.8	41	10.9	15.4	19.2
MF JOHN DAY at Ritter	MAY-JUL	23	34	42	54	50	61	78
	MAY-SEP	25	37	45	54	53	65	83
NF JOHN DAY at Monument	MAY-JUL	93	155	200	53	245	305	375
	MAY-SEP	99	165	210	54	255	320	390
MOUNTAIN CREEK near Mitchell	MAY-JUL	0.83	1.40	1.80	67	2.20	2.80	2.70
STRAWBERRY CREEK nr Prairie City	MAY-JUL	3.60	4.60	5.30	80	6.00	7.00	6.60
	MAY-SEP	4.00	5.10	5.80	80	6.50	7.60	7.30

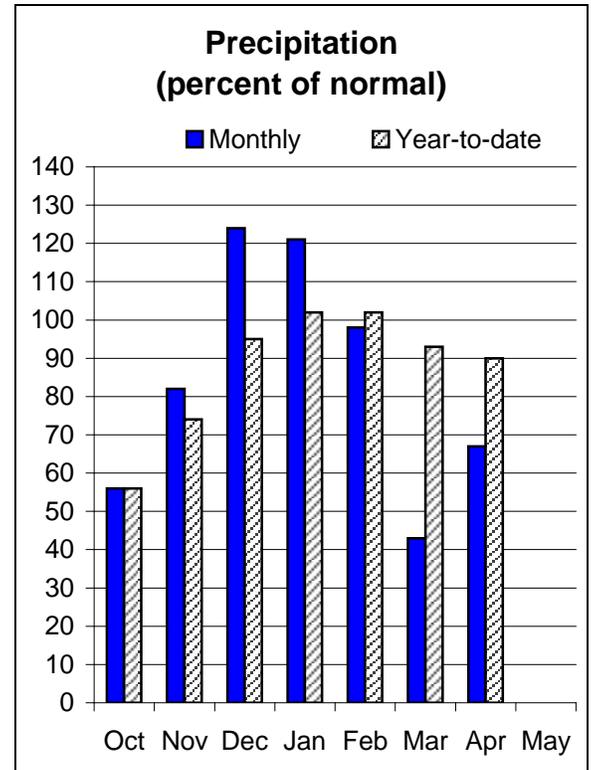
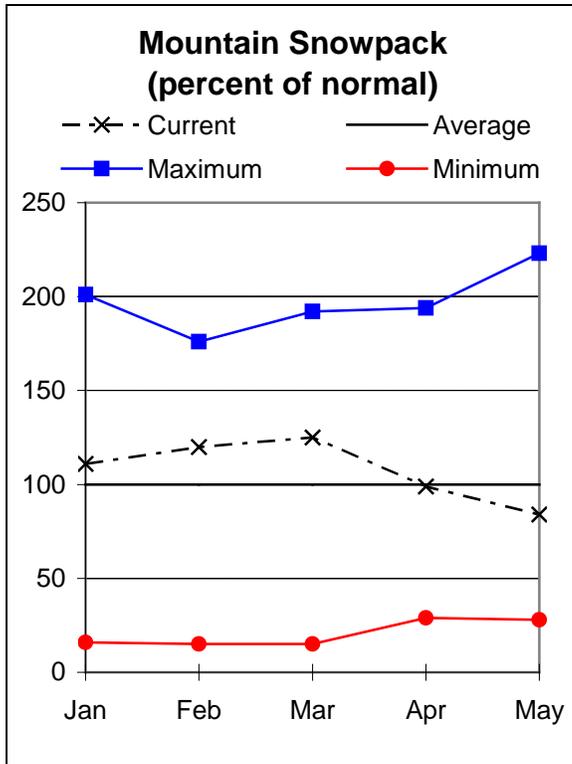
UPPER JOHN DAY BASIN Reservoir Storage (1000 AF) - End of April					UPPER JOHN DAY BASIN Watershed Snowpack Analysis - May 1, 2004			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
					John Day, North Fork	7	84	80
					John Day above Dayville	3	63	56

* 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.

UPPER DESCHUTES AND CROOKED BASINS

May 1, 2004



Water Supply Outlook

The snowpack was 84 percent of average on May 1, a 15 percent decline since last month. Last year the snowpack was 67 percent of average. April precipitation was 67 percent of average, bringing the total since the start of the water year to 90 percent of average. The reservoir storage at the end of April was 93 percent of average. The streamflow forecasts for the coming spring and summer months are between 95 percent of average on Tumalo Creek near Bend and 23 percent of average for the inflow into Ochoco Reservoir. Some users may experience water shortages, 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 - May 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	MAY-JUL	1.17	2.08	2.70	28	4.90	8.20	9.80
	MAY-SEP	1.22	2.10	2.70	27	4.90	8.20	9.90
CRANE PRAIRIE RESERVOIR INFLOW	MAY-JUL	40	44	46	94	48	52	49
	MAY-SEP	67	74	78	94	82	89	83
CRESCENT CREEK near Crescent	MAY-JUL	4.3	6.2	7.5	53	8.8	10.7	14.1
	MAY-SEP	7.5	8.7	9.5	53	11.4	14.2	17.8
DESCHUTES below Bend (2)	AUG-SEP	78	104	121	72	138	164	168
DESCHUTES at Benham Falls	MAY-JUL	215	225	230	85	235	245	270
	MAY-SEP	355	370	380	85	390	405	445
DESCHUTES below Snow Creek	MAY-JUL	21	24	26	96	28	31	27
	MAY-SEP	38	45	50	94	55	62	53
LITTLE DESCHUTES near La Pine	MAY-JUL	17.0	23	27	52	31	37	52
	MAY-SEP	20	27	32	53	37	44	61
NF CROOKED blw Lookout Ck	MAY-JUL	0.60	2.00	3.00	70	4.00	5.50	4.30
OCHOCO RESERVOIR INFLOW	MAY-JUL	0.3	1.5	2.4	23	6.1	11.8	10.3
	MAY-SEP	0.3	1.5	2.4	23	6.2	11.6	10.3
PRINEVILLE RESERVOIR INFLOW	MAY-JUL	5.2	20	30	68	40	55	44
	MAY-SEP	8.0	22	31	69	40	54	45
SQUAW CREEK near Sisters	MAY-JUL	25	28	30	94	32	35	32
	MAY-SEP	35	39	41	93	43	47	44
TUMALO CREEK near Bend	MAY-JUL	23	27	29	94	31	35	31
	MAY-SEP	31	35	38	95	41	45	40
WICKIUP RESERVOIR INFLOW	MAY-JUL	118	123	126	91	129	134	139
	MAY-SEP	220	230	235	92	240	250	255

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

Reservoir	Usable Capacity	*** Usable Storage ***		
		This Year	Last Year	Avg
CRANE PRAIRIE	55.3	39.2	45.2	44.9
CRESCENT LAKE	86.9	35.8	48.2	55.5
OCHOCO	47.5	43.1	30.6	36.0
PRINEVILLE	153.0	150.8	141.0	145.0
WICKIUP	200.0	169.2	185.6	188.5

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

Watershed	Number of Data Sites	This Year as % of	
		Last Yr	Average
Crooked, Ochoco	2	0	0
Deschutes above Wickiup	3	137	99
Little Deschutes	4	133	99
Tumalo and Squaw Creeks	3	131	88

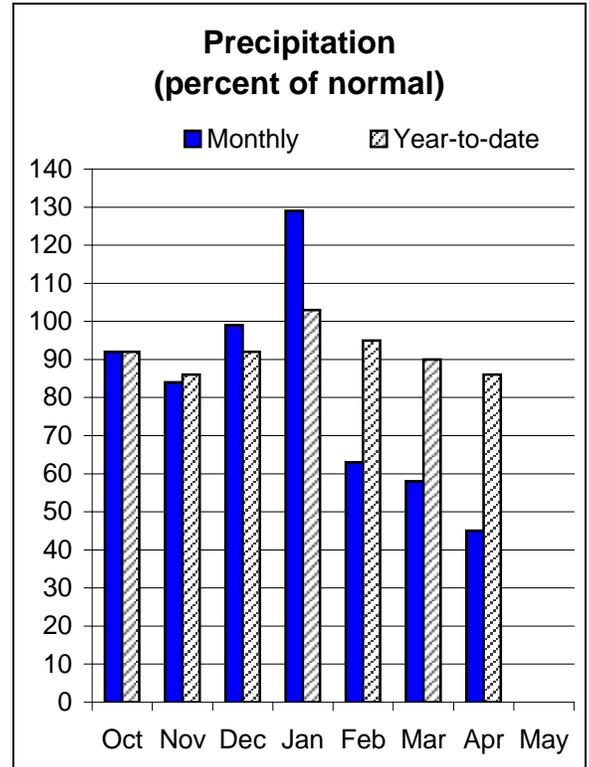
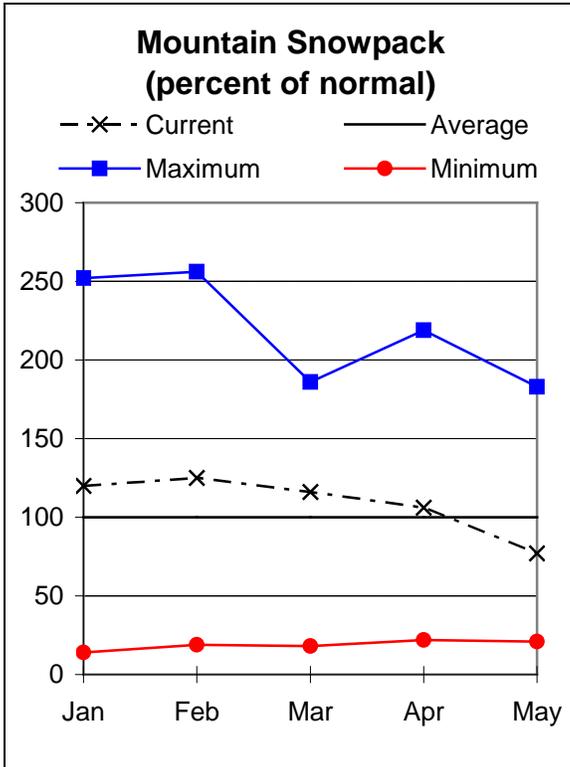
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HOOD, MILE CREEKS, AND LOWER DESCHUTES BASINS

May 1, 2004



Water Supply Outlook

The May 1 snowpack was 77 percent of average, a 29 percent drop from last month. Last year the snowpack was 73 percent of average. April precipitation was 45 percent of average, the lowest percentage in the state. This brings the total precipitation since the start of the water year to 86 percent of average. The streamflow forecasts for the remaining spring and summer months are between 85 percent of average on the West Fork of the Hood River near Dee and 72 percent of average on the Hood River near Tucker Bridge. Careful water management will be required to stretch the supplies for 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 - May 1, 2004

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)	
HOOD at Tucker Bridge	MAY-JUL	86	100	110	72	120	134	153
	MAY-SEP	116	133	145	74	157	174	196
WF HOOD near Dee	MAY-JUL	50	59	65	82	71	80	79
	MAY-SEP	66	77	84	85	91	102	99
WHITE below Tygh Valley	MAY-JUL	46	54	59	82	64	72	72
	MAY-SEP	57	65	70	81	75	83	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, 2004

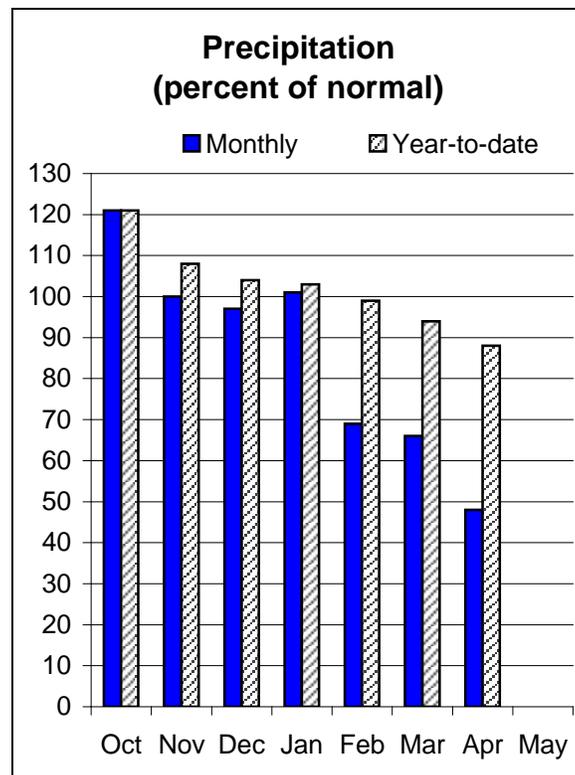
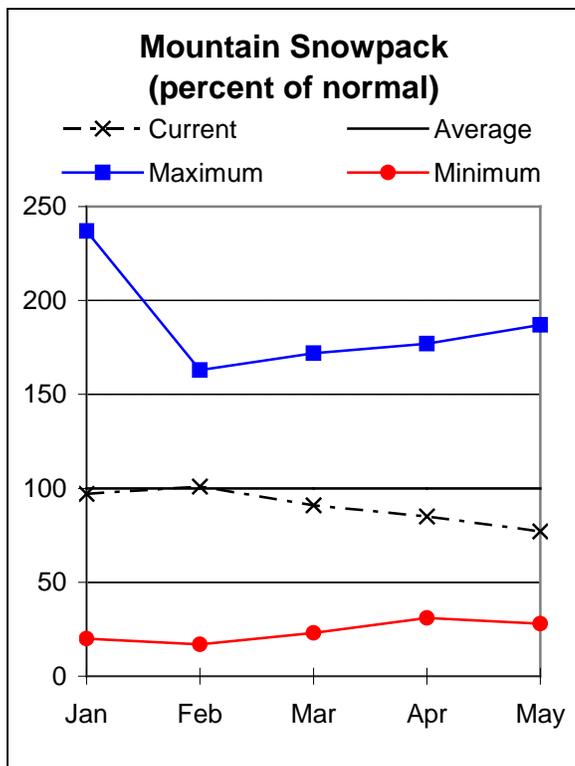
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
CLEAR LAKE (WASCO)	11.9	2.6	4.0	5.2	Hood River	6	102	74
					Mile Creeks	0	0	0
					White River	3	98	74

* 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, 2004



Water Supply Outlook

The snowpack in the Sandy River basin was 66 percent of average on May 1, a decline of 43 percent since last month. Last year the snowpack was 80 percent of average on May 1. April precipitation was 67 percent of average, bringing the total since the start of the water year to 91 percent of average. The flow on the Sandy River for the May through September period is forecast to be 85 percent of average. In the entire Columbia Basin, the May 1 snowpack was 77 percent of average. The April precipitation was 48 percent of average, bringing the total for the water year to 88 percent of average. The streamflow forecast for the Columbia River at The Dalles for the May through September period is 70 percent of average. Careful water management will be needed to insure that water supplies last the 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 - May 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)	
COLUMBIA R. at The Dalles (2)	MAY-JUL	38744	44434	48300	69	52170	57860	70500
	MAY-SEP	47244	54065	58700	70	63330	70160	84500
SANDY near Marmot	MAY-JUL	130	157	175	84	193	220	209
	MAY-SEP	169	199	220	85	241	271	259

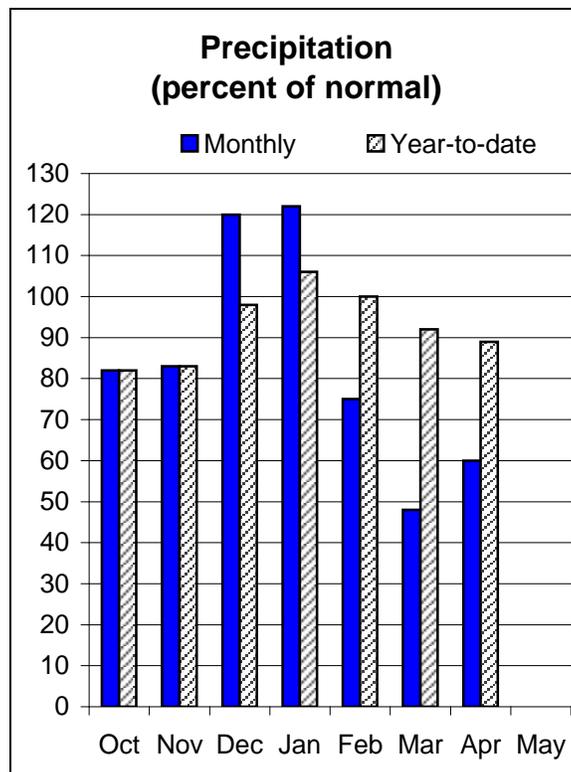
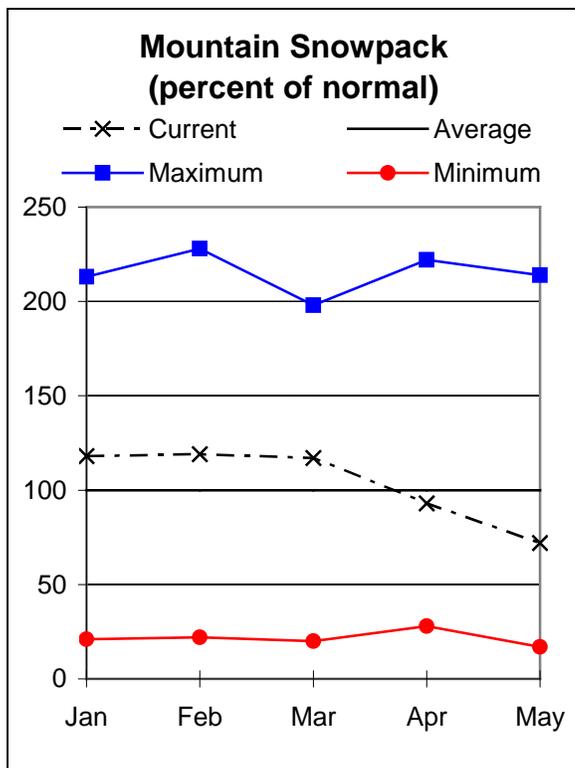
LOWER COLUMBIA BASIN Reservoir Storage (1000 AF) - End of April					LOWER COLUMBIA BASIN Watershed Snowpack Analysis - May 1, 2004			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
					Sandy River	5	95	74

* 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 2004



Water Supply Outlook

The snowpack in the Willamette Basin was 72 percent of average, a 21 percent drop from last month. Last year the snowpack was 69 percent of average. April precipitation was 60 percent of average, bringing the total since the start of the water year to 89 percent of average. Water stored in Timothy and Scoggins reservoirs was 102 percent of average. The streamflow forecasts for the May through September period are between 83 percent of average on the Clackamas River near Three Lynx and 60 percent of average for the inflow into Fern Ridge. Most users should have adequate water supplies, though careful management may be necessary to insure that the supply lasts the 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 - May 1, 2004

Forecast Point	Forecast Period	Future Conditions				Wetter		30-Yr Avg. (1000AF)
		90% (1000AF)	70% (1000AF)	Chance Of Exceeding * 50% (Most Probable) (1000AF) (% AVG.)		30% (1000AF)	10% (1000AF)	
BLUE RIVER LAKE INFLOW (1,2)	MAY-JUN	13.0	23	27	63	31	41	43
	MAY-JUL	4.9	22	29	64	37	53	45
	MAY-SEP	6.5	23	30	64	37	54	47
CLACKAMAS at Estacada (2)	MAY-JUL	276	320	350	84	380	424	418
	MAY-SEP	365	416	450	86	484	535	526
CLACKAMAS above Three Lynx (2)	MAY-JUL	207	233	250	80	267	293	312
	MAY-SEP	281	310	330	83	350	379	400
COTTAGE GROVE LAKE INFLOW (1,2)	MAY-JUN	0.2	8.1	11.8	65	15.5	24	18.2
	MAY-SEP	0.2	9.0	13.2	66	17.4	27	20
COUGAR LAKE INFLOW (1,2)	MAY-JUN	36	64	77	66	90	118	117
	MAY-SEP	75	99	110	68	121	145	161
DETROIT LAKE INFLOW (1,2)	MAY-JUN	96	167	200	70	233	304	286
	MAY-JUL	121	203	240	69	277	359	349
	MAY-SEP	169	259	300	69	341	431	438
DORENA LAKE INFLOW (1,2)	MAY-JUN	2.9	31	43	66	56	83	65
	MAY-SEP	8.4	37	50	67	63	92	75
FALL CREEK LAKE INFLOW (1,2)	MAY-JUN	9.9	31	41	79	51	72	52
	MAY-SEP	16.7	39	49	78	59	81	63
FERN RIDGE LAKE INFLOW (1,2)	MAY-JUN	0.4	5.5	11.0	59	16.5	29	18.6
	MAY-SEP	0.1	1.3	6.4	60	13.2	28	10.6
FOSTER LAKE INFLOW (1,2)	MAY-JUN	57	148	190	75	232	323	253
	MAY-JUL	66	165	210	74	255	354	284
	MAY-SEP	89	196	245	76	294	401	321
GREEN PETER LAKE INFLOW (1,2)	MAY-JUN	32	93	120	71	147	208	168
	MAY-JUL	36	101	130	69	159	224	188
	MAY-SEP	51	122	155	72	188	259	215
HILLS CREEK LAKE INFLOW (1,2)	MAY-MAY	49	70	80	86	90	112	93
	JUN-OCT	102	121	130	79	139	158	164
LITTLE NORTH SANTIAM (1)	MAY-JUL	11.4	42	56	71	70	101	79
	MAY-SEP	12.1	47	63	71	79	114	89
LOOKOUT POINT LAKE INFLOW (1,2)	MAY-MAY	125	184	210	85	236	295	246
	JUN-OCT	251	319	350	87	381	449	402
McKENZIE below Trail Bridge (2)	MAY-JUL	124	136	145	75	154	166	193
	MAY-SEP	183	199	210	75	221	237	279
McKENZIE near Vida (1,2)	MAY-JUL	344	441	485	73	529	626	663
	MAY-SEP	511	617	665	75	713	819	888
MOHAWK near Springfield	MAY-JUL	6.5	21	30	71	40	54	42
OAK GROVE FORK above Power Intake	MAY-JUL	55	63	68	76	73	81	90
	MAY-SEP	81	91	98	77	105	115	127
NORTH SANTIAM at Mehama (1,2)	MAY-JUL	152	281	340	72	399	528	470
	MAY-SEP	203	345	410	72	475	617	572
SOUTH SANTIAM at Waterloo (2)	MAY-JUL	105	180	230	73	280	355	314
	MAY-SEP	142	221	275	78	329	408	353
SCOGGINS CREEK near Gaston (2)	MAY-JUL	1.32	2.92	4.00	74	5.08	6.68	5.40
THOMAS CREEK near Scio	MAY-JUL	8.3	21	29	74	37	50	39
MF WILLAMETTE below NF (1,2)	JUN-OCT	260	308	330	84	352	400	391
	MAY-MAY	133	179	200	86	221	267	234
WILLAMETTE at Salem (1,2)	MAY-JUL	941	1580	1870	73	2160	2799	2578
	MAY-SEP	1188	1894	2215	73	2536	3242	3036

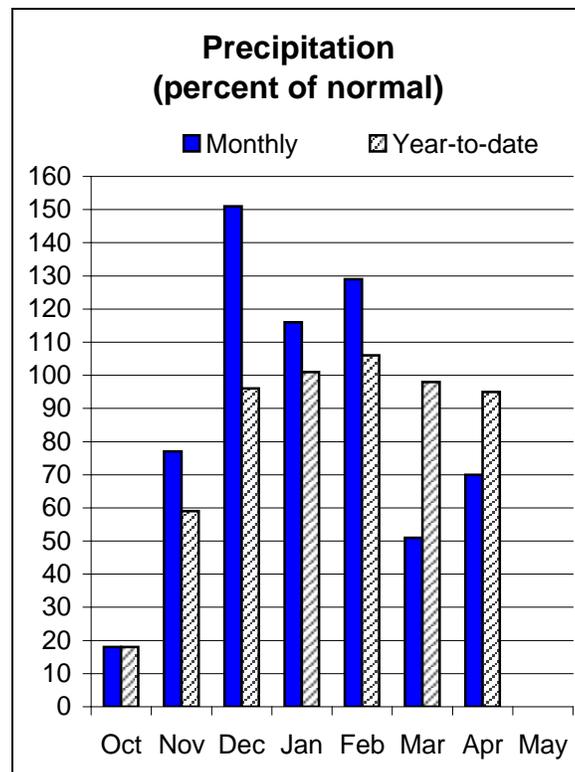
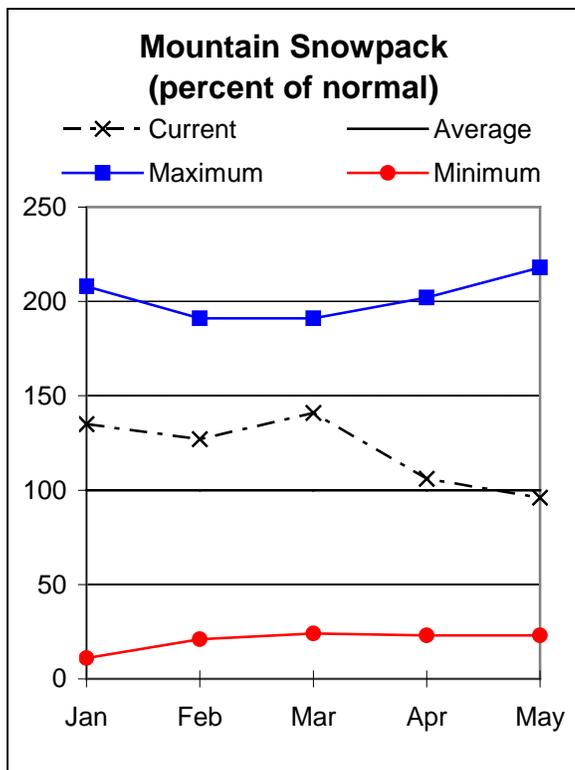
WILLAMETTE BASIN Reservoir Storage (1000 AF) - End of April					WILLAMETTE BASIN Watershed Snowpack Analysis - May 1, 2004			
Reservoir	Usable Capacity	*** Usable Storage This Year	*** Usable Storage Last Year	*** Avg	Watershed	Number of Data Sites	This Year as % of Last Yr Average	
BLUE RIVER **	85.5	75.3	73.2	70.1	Clackamas River	4	81	40
COTTAGE GROVE **	29.8	24.7	25.6	25.9	McKenzie River	4	88	62
COUGAR **	155.2	0.0	0.0	188.3	Row River	1	184	62
DETROIT **	300.7	262.2	279.6	293.6	Santiam River	5	56	45
DORENA **	70.5	56.1	55.7	62.0	Willamette, Middle Fork	6	142	87
FALL CREEK **	115.5	95.5	112.8	96.8				
FERN RIDGE **	109.6	74.0	88.7	93.4				
FOSTER **	29.7	0.6	1.3	11.7				
GREEN PETER **	268.2	174.4	236.3	286.4				
HILLS CREEK **	200.2	136.0	174.6	209.8				
LOOKOUT POINT **	337.0	219.0	298.8	265.0				
TIMOTHY LAKE	61.7	58.2	66.4	56.9				
HENRY HAGG LAKE	53.0	53.7	53.6	52.7				

* 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

May 1, 2004



Water Supply Outlook

As of May 1, the snowpack was 96 percent of average, the highest percentage in the state. Last year the snowpack was 99 percent of average. April precipitation was 70 percent of average, bringing the total for the water year to 95 percent of average. At the end of April the water stored in the irrigation reservoirs of the basin was 96 percent of average. The streamflow forecasts for the remainder of the spring and summer months are between 62 percent of average on Cow Creek near Azalea and 89 percent of average on the Rogue near Prospect. Most users should have adequate water supplies, though careful water management will be necessary to insure the supply lasts.

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 - May 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)	
APPLEGATE LAKE Net Inflow (2)	MAY-JUL	37	52	62	86	72	87	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	40	42	44	79	46	49	56
COW CREEK near Azalea	MAY-JUL	1.85	3.66	4.90	62	6.14	7.95	7.90
	MAY-SEP	2.69	4.54	5.80	64	7.06	8.91	9.10
FOURMILE LAKE net Inflow (2)	APR-JUL	1.90	3.33	4.30	74	5.27	6.70	5.80
	MAY-SEP	2.70	3.95	4.80	75	5.65	6.90	6.40
GRAVE CREEK at Pease Bridge	MAY-JUL	0.85	1.53	2.00	65	2.47	3.15	3.10
HYATT PRAIRIE RES net Inflow (2)	MAY-JUL	0.59	1.25	1.70	71	2.15	2.81	2.40
ILLINOIS R near Kerby	MAY-JUL	16.5	44	62	75	80	108	83
	MAY-SEP	19.8	48	67	74	86	114	90
NF LITTLE BUTTE CK nr Lakecreek (2)	MAY-JUL	1.27	3.79	5.50	80	7.21	9.73	6.90
	MAY-SEP	2.1	6.1	8.8	81	11.5	15.5	10.9
SF LITTLE BUTTE CK nr Lakecreek (2)	MAY-JUL	7.9	10.9	13.0	80	15.1	18.1	16.2
LOST CREEK LAKE INFLOW (2)	MAY-JUL	274	301	320	84	339	366	380
	MAY-SEP	382	416	440	86	464	498	510
RED BLANKET CK nr Prospect	MAY-JUL	13.3	17.9	21	81	24	29	26
ROGUE above Prospect	MAY-JUL	123	142	155	89	168	187	174
	MAY-SEP	163	185	200	87	215	237	230
SF ROGUE near Prospect (2)	MAY-JUL	22	29	33	79	37	44	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	477	520	550	85	580	623	645
ROGUE R at Grants Pass (2)	MAY-JUL	297	346	380	81	414	463	470
	MAY-SEP	422	477	515	84	553	608	615
SUCKER CK blw Little Grayback	MAY-JUL	10.2	17.2	22	71	27	34	31
	MAY-SEP	12.5	20	25	71	30	38	35
NORTH UMPQUA nr Toketee Falls (2)	MAY-SEP	96	105	112	83	119	128	135
NORTH UMPQUA at Winchester	MAY-JUL	280	342	385	79	428	490	490
SOUTH UMPQUA near Brockway	MAY-JUL	45	99	135	71	171	225	191
SOUTH UMPQUA at Tiller	MAY-JUL	38	61	76	72	91	114	106
	MAY-SEP	46	70	86	74	102	126	116

ROGUE AND UMPQUA BASINS Reservoir Storage (1000 AF) - End of April					ROGUE AND UMPQUA BASINS Watershed Snowpack Analysis - May 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	61.9	62.1	64.5	Applegate River	5	92	109
EMIGRANT LAKE	39.0	36.7	38.9	35.9	Bear Creek	4	94	115
FISH LAKE	8.0	4.7	4.4	6.2	Butte Creek	6	84	80
FOURMILE LAKE	16.1	4.3	4.7	11.0	Illinois River	1	0	0
HOWARD PRAIRIE	60.0	48.8	37.3	48.8	North Umpqua River	9	144	80
HYATT PRAIRIE	16.1	16.3	11.7	13.3	Rogue River	20	96	98
LOST CREEK **	315.0	178.9	179.8	283.2				

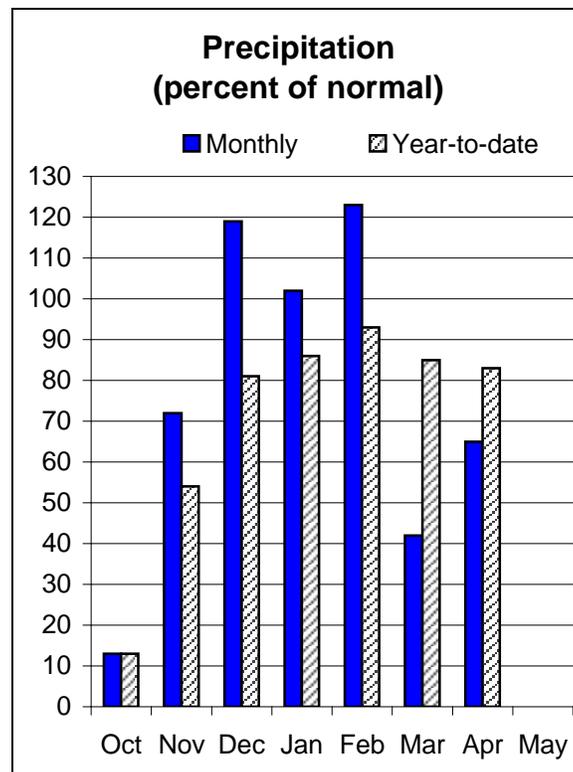
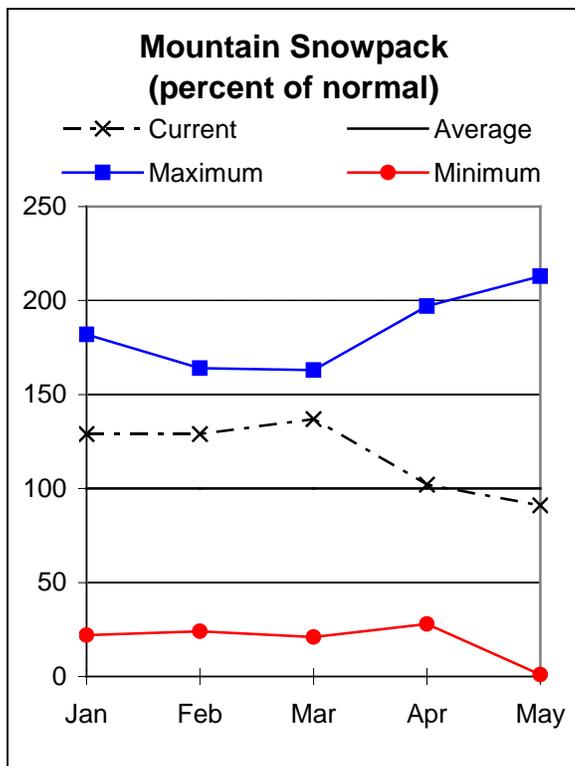
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(2) - The value is natural flow - actual flow may be affected by upstream water management.

KLAMATH BASIN

May 1, 2004



Water Supply Outlook

The snowpack in the Klamath Basin was 91 percent of average as of May 1, an 11 percent drop from last month. But these values are somewhat misleading, By May 1, most of the snow in the basin was only at the higher elevations on the Cascade side of the basin, while in most of the basin, the snow melted nearly a month ago. April precipitation was 65 percent of average, bringing the total since the start of the water year to 83 percent of average. As of April 30, there were 614,600 acre-feet of water stored in the irrigation reservoirs, representing 79 percent of average and 54 percent of the capacity. The streamflow forecasts for the remaining spring and summer months are between 70 percent of average for the inflow into Upper Klamath Lake and 34 percent of average for the inflow into Gerber Reservoir. Water shortages can be expected by users in the basin this season.

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

KLAMATH BASIN
Streamflow Forecasts - May 1, 2004

Forecast Point	Forecast Period	Future Conditions						30-Yr Avg. (1000AF)
		<<----- Drier ----->>		----->>		----->>		
		90% (1000AF)	70% (1000AF)	Chance Of Exceeding * 50% (Most Probable) (1000AF) (% AVG.)		30% (1000AF)	10% (1000AF)	
CLEAR LK Net Inflow (2)	MAY-JUL	0.7	6.0	9.5	49	13.0	18.3	19.3
GERBER RESERVOIR net Inflow (2)	MAY-JUL	0.13	0.96	2.20	34	3.44	5.27	6.40
SPRAGUE R nr Chiloquin	MAY-SEP	55	76	90	58	104	125	155
UPPER KLAMATH LK net Inflow (1)	MAY-SEP	79	183	230	68	277	381	340
WILLIAMSON R nr Chiloquin	MAY-SEP	89	146	185	70	224	281	265

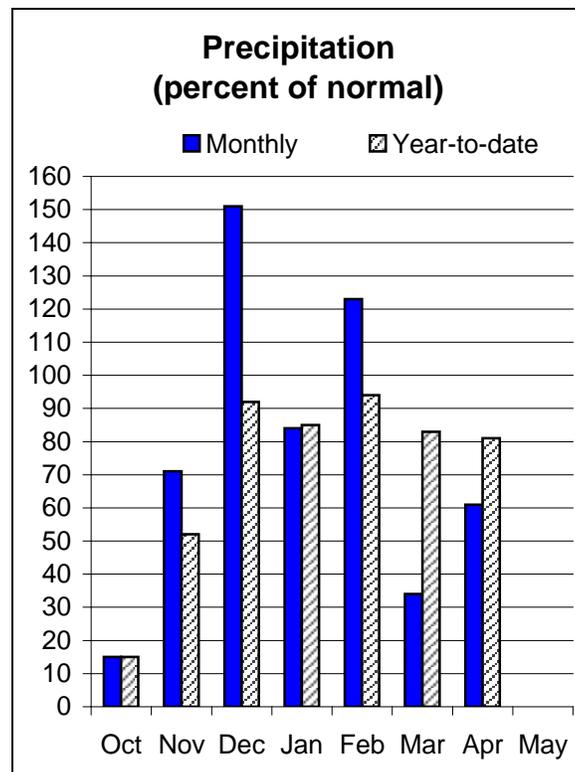
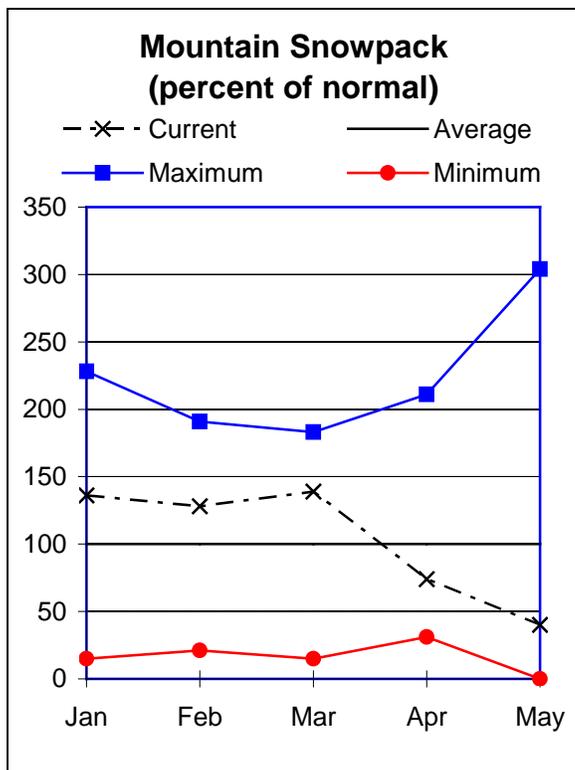
KLAMATH BASIN Reservoir Storage (1000 AF) - End of April					KLAMATH BASIN Watershed Snowpack Analysis - May 1, 2004			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
CLEAR LAKE (CALIF)	513.3	131.2	126.4	264.3	Lost River	2	0	0
GERBER	94.3	49.3	45.8	72.9	Sprague River	5	20	20
UPPER KLAMATH LAKE	523.7	434.1	479.8	483.4	Upper Klamath Lake	12	93	89
					Williamson River	5	113	98

* 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, 2004



Water Supply Outlook

The May 1 snowpack was 40 percent of average, the lowest percentage in the state. This is a drop of 34 percent from last month. Last year the snowpack was 105 percent of average. April precipitation was 61 percent of average, bringing the total for the water year to 81 percent of average, also the lowest percentage in the state. Water stored in the irrigation reservoirs of the basin was 90 percent of average at the end of April. The streamflow forecasts for the May through July period are between 46 percent of average on the Chewaucan River and 21 percent of average on Silver Creek near Silver Lake. Water shortages will exist for water 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 - May 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	0.14	0.70	25	1.32	2.23	2.80
CHEWAUCAN R nr Paisley	MAY-JUL	6.7	17.0	24	46	31	41	52
	MAY-SEP	9.2	19.8	27	48	34	45	56
COTTONWOOD CK nr Lakeview (2)	MAY-JUL	0.87	1.60	2.10	36	2.60	3.33	5.80
DEEP CK abv Adel	MAY-JUL	4.0	9.9	16.0	36	22	31	45
	MAY-SEP	4.2	10.8	17.0	36	23	32	47
DREWS RESERVOIR net Inflow (2)	MAY-JUL	0.08	0.24	2.20	28	4.29	7.36	7.90
HONEY CK nr Plush	MAY-JUL	0.3	1.2	3.0	28	4.8	7.4	10.8
	MAY-SEP	2.9	3.0	3.1	28	3.2	3.3	11.0
SILVER CK nr Silver Lk	MAY-JUL	0.09	0.43	1.80	21	3.51	6.02	8.60
TWENTYMILE CK nr Adel	MAY-JUL	0.2	1.3	3.7	35	6.6	11.0	10.6
	MAY-SEP	0.1	1.0	4.0	36	7.0	11.4	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, 2004

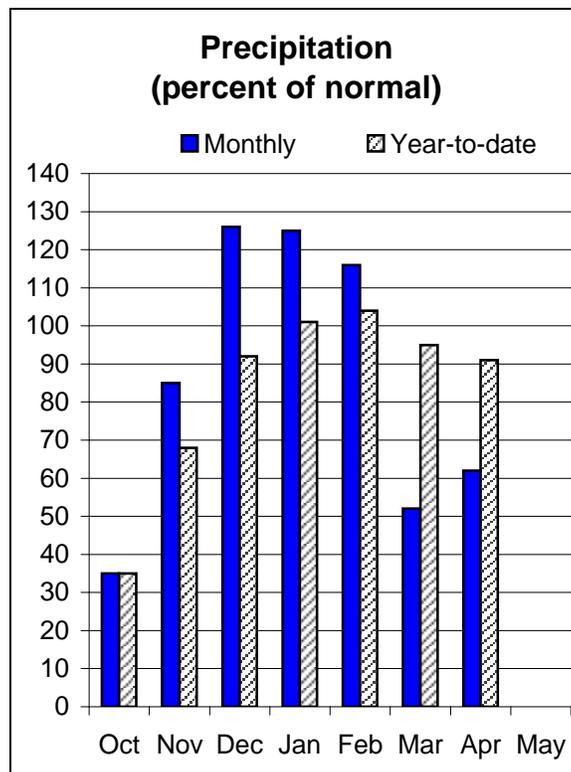
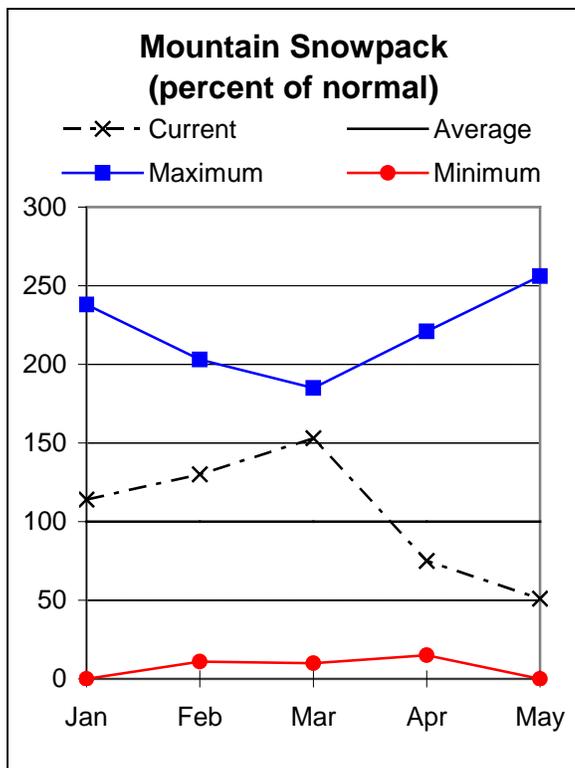
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
COTTONWOOD	8.7	9.3	9.2	6.7	Chewaucan River	3	22	24
DREWS	63.0	40.4	33.9	51.0	Deep Creek	2	80	85
THOMPSON VALLEY	18.4	10.4	8.4	14.4	Drew Creek	3	29	28
					Honey Creek	1	85	49
					Silver Creek (Lake Co.)	3	16	19
					Twentymile Creek	2	80	85

* 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

May 1, 2004



Water Supply Outlook

The May 1 snowpack was 51 percent of average, a 23 percent decline from last month. Last year the snowpack was 74 percent of average. April precipitation was 62 percent of average, bringing the total since the start of the water year on October 1 to 91 percent of average. The streamflow forecasts for the coming May through July period are between 68 percent of average on the Donner und Blitzen River near Frenchglen and 32 percent of average on Trout Creek near Denio. Water shortages can be expected by users in the basin 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 - May 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)	
DONNER und BLITZEN R nr Frenchglen	MAY-JUL	20	29	34	68	40	48	50
	MAY-SEP	25	33	38	68	43	51	56
SILVER CK nr Riley	MAY-JUL	0.07	1.17	2.30	34	3.43	5.09	6.80
SILVIES R nr Burns	MAY-JUL	5.0	13.7	28	57	42	63	49
	MAY-SEP	5.0	15.2	30	58	45	67	52
TROUT CK nr Denio	MAY-JUL	0.07	1.05	2.30	32	3.55	5.39	7.20
	MAY-SEP	0.16	1.35	2.70	35	4.05	6.03	7.80

HARNEY BASIN Reservoir Storage (1000 AF) - End of April					HARNEY BASIN Watershed Snowpack Analysis - May 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	80	63
					Silver Creek (Harney Co)	1	0	0
					Silvies River	4	54	52
					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.