

GENERAL OUTLOOK

February 1, 2004

SUMMARY

January brought continued storms to the mountains of Oregon. The snowpack percentages increased in all basins except the Rogue and Umpqua Basins since last month. As of February 1, the snowpack ranged from 139 percent of average in the Owyhee/Malheur Basin to 114 percent in the Umatilla Basin. January precipitation amounts in the state were between 144 percent of average in the Umatilla Basin and 84 percent of average in Lake County. Since the start of the water year on October 1 precipitation amounts in Oregon are between 111 percent of average in the Umatilla and 86 percent of average in Lake County. Reservoir storage in the major irrigation reservoirs of the state, while improved from last month, still are below average in nearly every basin. This is especially true in eastern Oregon where the water stored is below 31 percent of average. As of January 31, there were 1,020,500 acre-feet of water stored in 27 major irrigation reservoirs in the state, representing 54 percent of average and 31 percent of the capacity. Streamflows in January were up from the previous month. The streamflow forecasts for the coming spring and summer months range between 148 percent of average on Bully Creek and 70 percent of average on the inflow into Gerber Reservoir and on the Sprague River. Adequate water supplies are expected in most basins of Oregon, except the southern Oregon Basins east of the Cascades, where the streamflow forecasts are below average.

SNOWPACK

Snow fell in all locations of Oregon during January. Mountain snowpacks showed continual gains from last month, in all basins except the Rogue and Umpqua Basins, where there was an 8 percent decrease from last month. As of February 1, the snowpack ranged from 139 percent of average in the Owyhee and Malheur Basins to 114 percent of average in the Umatilla Basin. Snow compounded with freezing rain, caused major transportation problems on both the major interstate freeways during the month, with both I-84 and I-5 being closed periodically for nearly a week.

PRECIPITATION

Precipitation amounts were above average during January, with much of the precipitation falling as snow and freezing rain in the valleys. January precipitation amounts varied between 144 percent of average in the Umatilla Basin and 84 percent in Lake County. These amounts bring the total precipitation since the start of the water year to between 111 percent of average in the Umatilla Basin and 85 percent of average in Lake County.

RESERVOIRS

Reservoir storage continued to slowly increase during the month of January. However, most irrigations reservoirs in Eastern and Southern Oregon remain well below average for this time of year. As of January 31, 27 major irrigation reservoirs in the state contained 1,020,500 acre-feet of water, representing 54 percent of average and 31 percent of capacity. This compares to last year when there was 1,219,000 acre-feet of water stored.

STREAMFLOW

Observed streamflow were generally improved from last month in most Oregon streams. Reflecting the above average precipitation and snow in most basins of the state, the streamflow forecasts have improved since last month. The forecasts for the coming spring and summer months range between 148 percent for Bully Creek and 70 percent of average on the inflow into Gerber Reservoir and on the Sprague River. The following table is a summary of selected streamflow forecast across the state.

STREAM	PERIOD	PERCENT OF
AVERAGE		
Owyhee Net Inflow	Feb-Jul	112
Grande Ronde at La Grande	Apr-Sep	122
Umatilla at Pendleton	Apr-Sep	112
Deschutes at Benham Falls	Apr-Sep	102
Willamette MF nr Oakridge	Apr-Sep	105
Rogue at Raygold	Apr-Sep	103
Upper Klamath L. Net Inflow	Apr-Sep	83
Silvies nr Burns	Apr-Sep	90

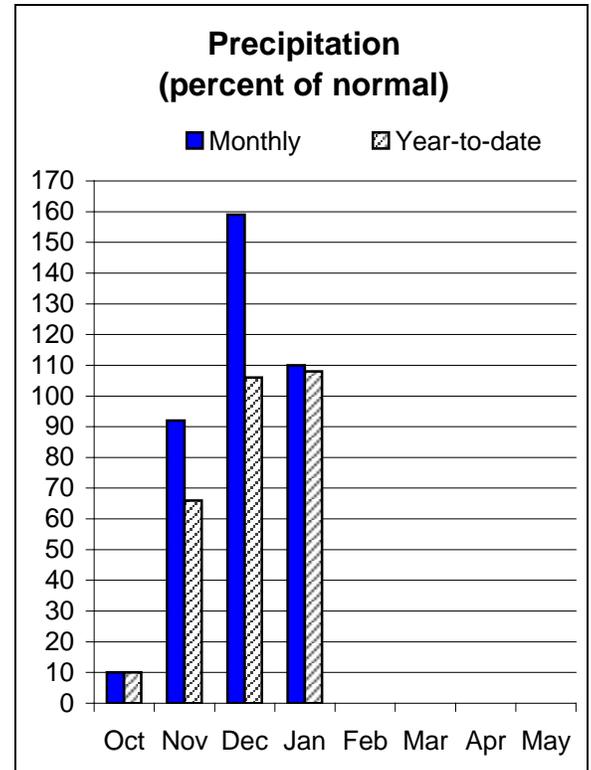
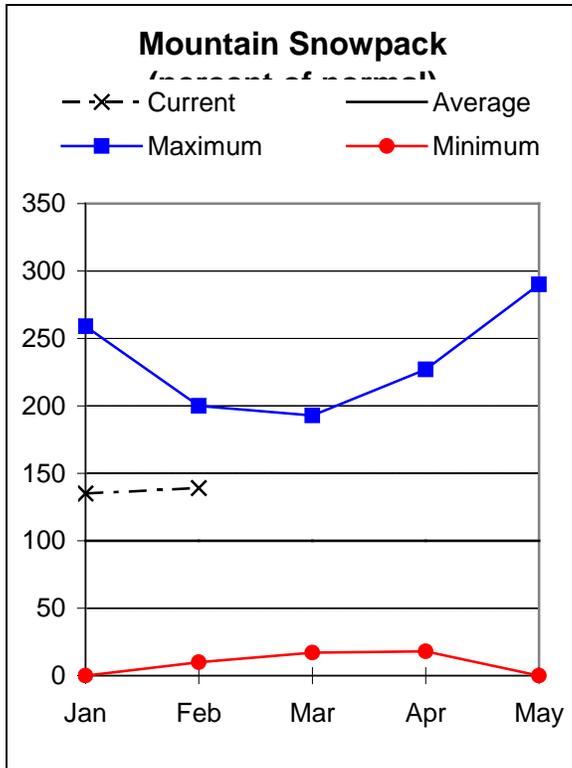
Some of these forecasts assume normal weather conditions will occur from now to the end of the forecast period.

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

February 1, 2004



Water Supply Outlook

The snowpack in the Owyhee/Malheur was 139 percent of average as of February 1, the highest percentage in the state. January precipitation was 110 percent of average, bringing the total since the start of the water year to 108 percent of average. The water stored in the irrigation reservoirs of the basin remains very low at 20 percent of average. The streamflow forecasts for the coming spring and summer months range between 148 percent of average on Bully Creek and 94 percent of average for inflow into Owyhee Reservoir. To achieve these forecasts, at least average mountain snowfall will be necessary in the next two months. Adequate water supplies should be expected by most water users in the basin this season, but refilling the reservoirs will still be a concern.

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

OWYHEE AND MALHEUR BASINS
Streamflow Forecasts - February 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)	
BULLY CREEK RESERVOIR INFLOW	MAR-MAY	8.2	11.8	16.3	148	26	42	11.0
MALHEUR near Drewsey	FEB-JUL	109	139	162	128	187	226	127
	APR-SEP	62	82	97	128	114	140	76
NF MALHEUR at Beulah	FEB-JUL	86	103	115	128	128	149	90
OWYHEE RESV INFLOW (2)	FEB-JUL	483	654	785	112	928	1160	700
	APR-SEP	214	320	405	94	500	657	430
OWYHEE near Rome	FEB-JUL	601	788	930	142	1083	1330	655
SUCCOR CK nr Jordan Valley	FEB-JUL	13.1	20	25	130	30	37	19.3

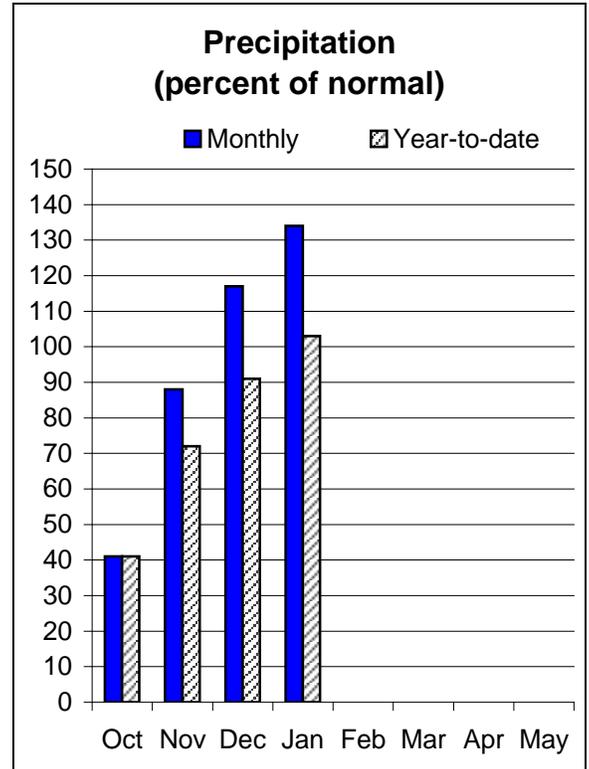
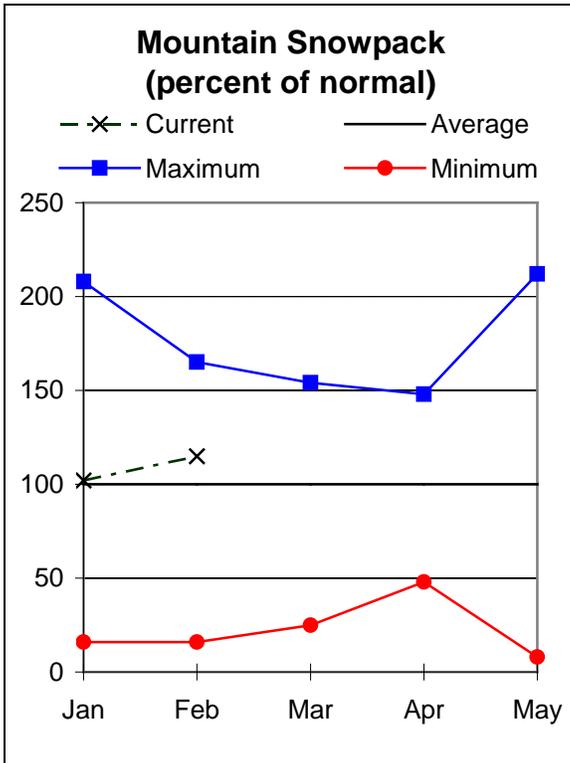
OWYHEE AND MALHEUR BASINS Reservoir Storage (1000 AF) - End of January					OWYHEE AND MALHEUR BASINS Watershed Snowpack Analysis - February 1, 2004			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
BEULAH RES	60.0	11.3	13.7	28.5	Owyhee River	20	262	145
BULLY CREEK	30.0	7.0	10.8	13.6	Malheur	9	246	158
OWYHEE	715.0	77.6	140.9	438.3	Jordan Creek	2	256	136
WARMSPRINGS	191.0	17.0	22.4	87.7	Bully Creek	2	244	209

* 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

February 1, 2004



Water Supply Outlook

The February 1 snowpack was 115 percent of average in the Northeast corner of Oregon. January precipitation was 134 percent of average, bringing the total since the start of the water year to 103 percent of average. On January 31, the water stored in the irrigation reservoirs of the basin was well below average at 31 percent. The streamflow forecasts for the coming spring and summer months are between 145 percent of average on Anthony Creek and 98 percent of average on the Imnaha. Adequate water supplies are expected for most users this season, provided there is ample inflow into the depleted reservoirs.

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 - February 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)	
ANTHONY CK bl NF nr North Powder	FEB-JUL	19.0	23	25	145	27	31	17.3
BEAR CREEK near Wallowa	APR-SEP	41	53	61	107	69	81	57
BIG CK bl Burn Ck nr Medical Spgs	FEB-JUL	11.4	13.6	15.1	121	16.6	18.8	12.5
BURNT near Hereford (2)	FEB-JUL	46	57	65	114	73	84	57
	APR-SEP	28	38	45	115	52	62	39
CATHERINE CREEK near Union	APR-SEP	65	73	79	120	85	93	66
DEER CK nr Sumpster	FEB-JUL	11.9	17.3	21	114	25	30	18.4
EAGLE CREEK abv Skull Creek	APR-JUL	142	162	176	105	190	208	167
	APR-SEP	156	177	192	105	208	228	183
GRANDE RONDE at La Grande	MAR-JUL	183	229	260	104	290	335	249
	APR-SEP	148	185	210	111	234	274	190
GRANDE RONDE at Troy (1)	MAR-JUL	1122	1512	1690	107	1868	2260	1580
	APR-SEP	966	1319	1480	108	1641	1995	1370
HURRICANE CREEK near Joseph	APR-SEP	42	45	47	107	49	52	44
IMNAHA at Imnaha	APR-SEP	220	260	290	98	320	360	295
LOSTINE near Lostine	APR-SEP	109	118	124	103	130	139	121
PINE CREEK near Oxbow	FEB-JUL	155	185	205	99	225	255	208
	APR-JUL	116	140	156	105	172	196	148
POWDER near Sumpster (2)	APR-JUL	44	53	60	103	67	76	58
	APR-SEP	44	54	61	103	68	78	59
EF WALLOWA near Joseph	FEB-SEP	6.90	8.00	8.80	111	9.60	10.70	7.90
WALLOWA at Joseph (2)	APR-JUL	58	63	67	118	71	76	57
WOLF CK RESERVOIR inflow	MAR-JUN	12.7	16.7	19.5	142	22	27	13.7

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

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

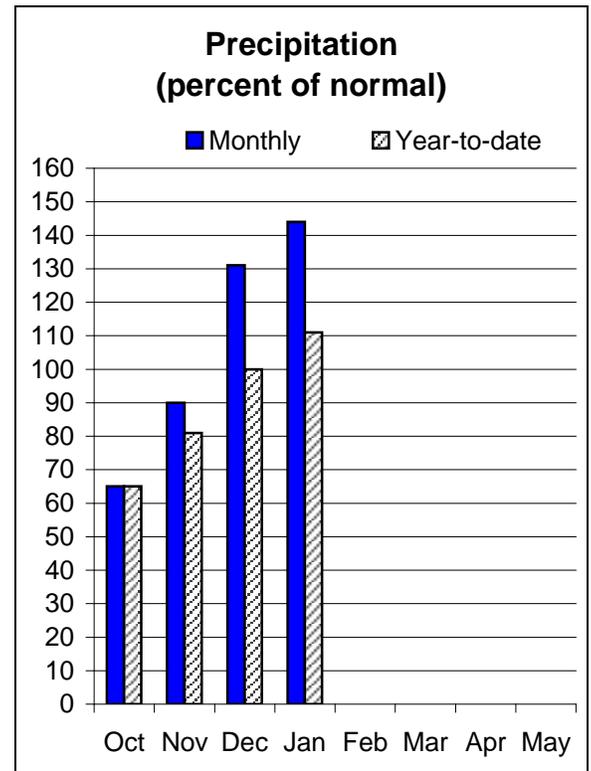
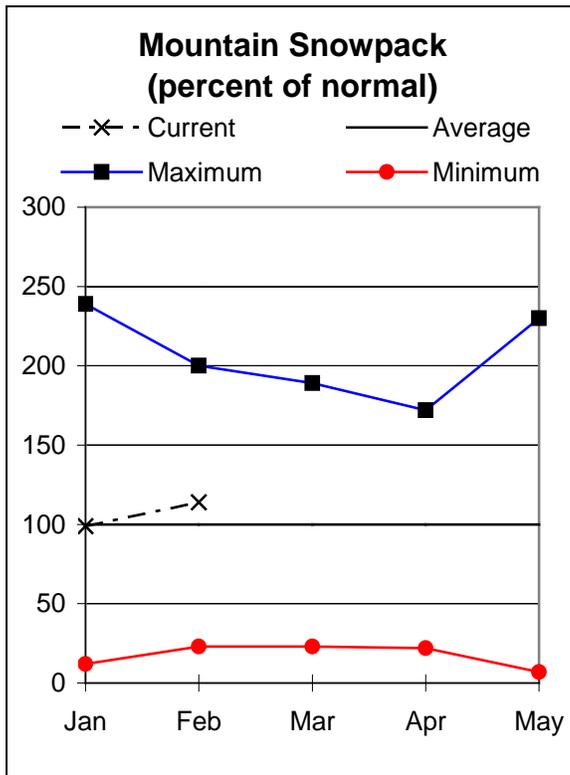
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
PHILLIPS LAKE	73.5	6.6	7.2	40.8	Grande Ronde ab LaGrande	6	348	139
THIEF VALLEY	17.4	8.5	12.0	16.5	Powder River	9	194	121
UNITY	25.2	7.0	8.4	12.9	Wallowa, Imnaha, Catherine	5	137	102
WALLOWA LAKE		NO REPORT			Burnt River	6	203	127
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

February 1, 2004



Water Supply Outlook

The snowpack in the Umatilla Basin was 114 percent of average, an improvement from last month, but still the lowest percentage in the state. This is contrasted with the January precipitation which was 144 percent of average, the highest percentage in the state. Since the start of the water year the total precipitation has been 111 percent of average, also, the highest percentage in the state. Reservoir storage was 75 percent of average on January 31. The streamflow forecasts for the coming spring and summer months are between 126 percent of average on Butter Creek and 106 percent of average on both Rhea and Rock Creek. Adequate water supplies are expected for most water users in the basin 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 - February 1, 2004

Forecast Point	Forecast Period	<<===== Drier =====>>		Future Conditions		===== Wetter =====>>		30-Yr Avg. (1000AF)
		90%	70%	Chance Of Exceeding *		30%	10%	
		(1000AF)	(1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	(1000AF)	(1000AF)	
BUTTER CK nr Pine City	MAR-JUL	10.8	14.7	17.3	126	19.9	24	13.7
COUSE CREEK near Milton-Freewater	FEB-JUL	6.80	7.60	8.10	114	8.60	9.40	7.10
	APR-JUL	3.20	4.00	4.50	115	5.00	5.80	3.90
MCKAY near Pilot Rock	APR-SEP	18.1	28	34	126	40	50	27
PINE CREEK near Weston	FEB-JUL	6.40	6.90	7.30	111	7.70	8.20	6.60
	APR-JUL	2.90	3.20	3.40	121	3.60	3.90	2.80
RHEA CREEK near Heppner	FEB-JUL	7.9	10.6	12.5	106	14.4	17.1	11.8
ROCK CREEK above Whyte	FEB-JUL	16.0	28	37	106	46	58	35
UMATILLA near Gibbon	MAR-SEP	99	114	125	118	136	151	106
	APR-JUL	59	73	83	114	93	107	73
	APR-SEP	65	79	89	113	99	113	79
UMATILLA at Pendleton	MAR-SEP	205	245	270	117	295	335	230
	APR-JUL	112	145	167	112	188	223	149
	APR-SEP	118	151	173	112	194	229	155
SF WALLA WALLA near Milton-Freewater	MAR-SEP	74	82	88	111	94	102	79
	APR-SEP	60	67	72	109	77	84	66
WILLOW CREEK LAKE INFLOW	FEB-JUL	7.4	10.7	13.0	107	15.3	18.6	12.1
	APR-JUL	3.80	6.10	7.60	112	9.10	11.40	6.80

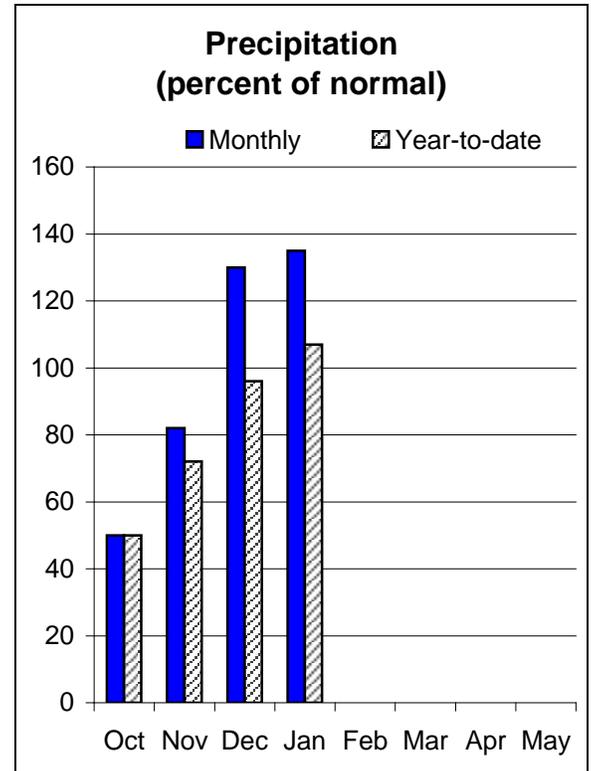
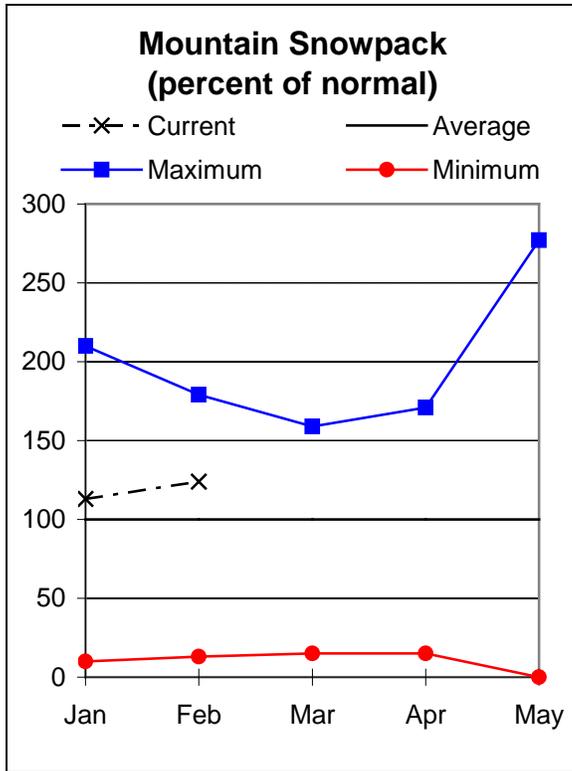
UMATILLA, WALLA WALLA, WILLOW, ROCK AND LOWER JOHN DAY BASINS					UMATILLA, WALLA WALLA, WILLOW, ROCK AND LOWER JOHN DAY BASINS			
Reservoir Storage (1000 AF) - End of January					Watershed Snowpack Analysis - February 1, 2004			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
COLD SPRINGS	50.0	10.4	6.1	21.4	Walla Walla River	3	240	118
MCKAY	73.8	31.4	17.9	34.1	Umatilla River	7	327	121
WILLOW CREEK	1.8	0.2	---	---	McKay Creek	4	973	113

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UPPER JOHN DAY BASIN

February 1, 2004



Water Supply Outlook

The snowpack in the Upper John Day Basin was 124 percent of average, an 11 percent increase since last month. January precipitation was 135 percent of average, bringing the total amount of precipitation since the start of the water year on October 1 to 107 percent of average. The streamflow forecasts for the coming spring and summer months are between 138 percent of average on Mountain Creek near Mitchell and 112 percent of average on both the North Fork and Middle Fork of the John Day River. Adequate water supplies are expected for most water users 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 - February 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	MAR-JUL	41	51	57	121	63	73	47
MF JOHN DAY at Ritter	MAR-JUL	129	159	179	113	199	230	159
	APR-SEP	99	125	143	112	161	187	128
NF JOHN DAY at Monument	MAR-JUL	620	780	885	112	995	1145	790
	APR-SEP	480	605	690	112	775	900	615
MOUNTAIN CREEK near Mitchell	FEB-JUL	5.60	7.50	8.70	138	9.90	11.80	6.30
STRAWBERRY CREEK nr Prairie City	MAR-JUL	7.00	8.40	9.30	124	10.20	11.60	7.50
	APR-SEP	7.50	8.90	9.90	125	10.90	12.30	7.90

UPPER JOHN DAY BASIN Reservoir Storage (1000 AF) - End of January					UPPER JOHN DAY BASIN Watershed Snowpack Analysis - February 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	8	228	116
					John Day above Dayville	4	225	125

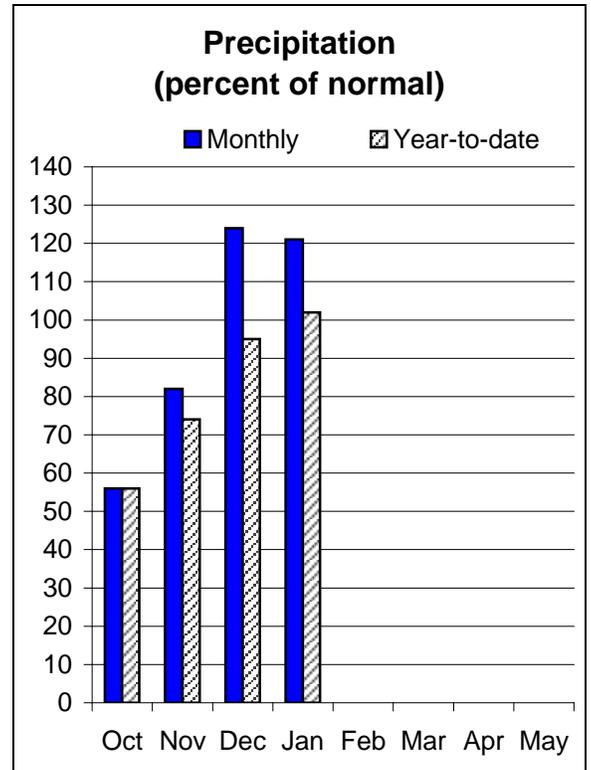
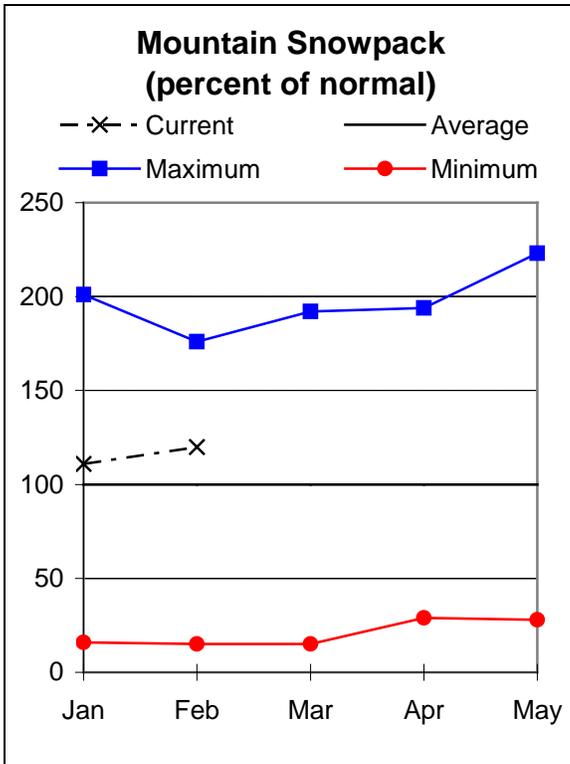
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UPPER DESCHUTES AND CROOKED BASINS

February 1, 2004



Water Supply Outlook

In Central Oregon, the February 1 snowpack was 120 percent of average. January precipitation was 121 percent of average, bringing the total precipitation since the start of the water year to 102 percent of average. Water stored in the irrigation reservoirs as of January 31, was 86 percent of average. The streamflow forecasts for the coming spring and summer months range from 140 percent on the North Fork of the Crooked River and 95 percent of average on Crescent Creek. Adequate water supplies are expected for most water users this season in the basin.

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

UPPER DESCHUTES AND CROOKED BASINS
Streamflow Forecasts - February 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)	
BEAVER CREEK near Paulina	APR-SEP	17.8	25	29	132	34	40	22				
	FEB-JUL	47	58	65	133	72	83	49				
CRANE PRAIRIE RESERVOIR INFLOW	APR-JUL	48	57	63	107	69	78	59				
	APR-SEP	76	90	100	108	110	124	93				
	FEB-JUL	67	78	86	110	94	105	78				
	FEB-SEP	96	112	123	110	134	150	112				
CRESCENT CREEK near Crescent	APR-JUL	10.0	13.8	16.4	95	19.0	23	17.2				
	APR-SEP	11.9	16.7	20	95	23	28	21				
	FEB-JUL	13.8	18.7	22	96	25	30	23				
	FEB-SEP	15.7	22	26	96	30	36	27				
DESCHUTES at Benham Falls	APR-JUL	320	345	360	103	375	400	350				
	APR-SEP	485	520	540	102	560	595	530				
	FEB-JUL	460	495	520	104	545	580	500				
	FEB-SEP	630	670	700	103	730	770	680				
DESCHUTES below Snow Creek	APR-JUL	27	32	36	109	40	45	33				
	APR-SEP	47	57	64	109	71	81	59				
	FEB-JUL	39	46	50	111	54	61	45				
	FEB-SEP	61	72	79	111	86	97	71				
LITTLE DESCHUTES near La Pine	APR-JUL	48	64	75	106	86	102	71				
	APR-SEP	54	72	84	105	96	114	80				
	FEB-JUL	70	92	106	105	120	142	101				
	FEB-SEP	78	101	117	106	133	156	110				
NF CROOKED blw Lookout Ck	FEB-JUL	15.4	18.8	21	140	23	26	15.0				
OCHOCO RESERVOIR INFLOW	APR-JUL	16.8	24	29	132	34	41	22				
	APR-SEP	16.4	24	29	132	34	42	22				
	FEB-JUL	38	49	57	133	65	76	43				
	FEB-SEP	38	49	57	133	65	76	43				
PRINEVILLE RESERVOIR INFLOW	APR-JUL	62	96	125	116	159	220	108				
	APR-SEP	56	99	128	117	157	201	109				
	FEB-JUL	147	215	260	118	305	375	221				
	FEB-SEP	152	220	265	119	310	380	222				
SQUAW CREEK near Sisters	APR-JUL	30	35	38	106	41	46	36				
	APR-SEP	43	48	52	106	56	61	49				
TUMALO CREEK near Bend	APR-JUL	31	36	40	108	44	49	37				
	APR-SEP	37	44	49	109	54	61	45				
WICKIUP RESERVOIR INFLOW	APR-JUL	163	170	175	102	180	187	171				
	APR-SEP	270	280	290	102	300	310	285				
	FEB-JUL	220	230	240	102	250	260	235				
	FEB-SEP	325	345	355	101	365	385	350				

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

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

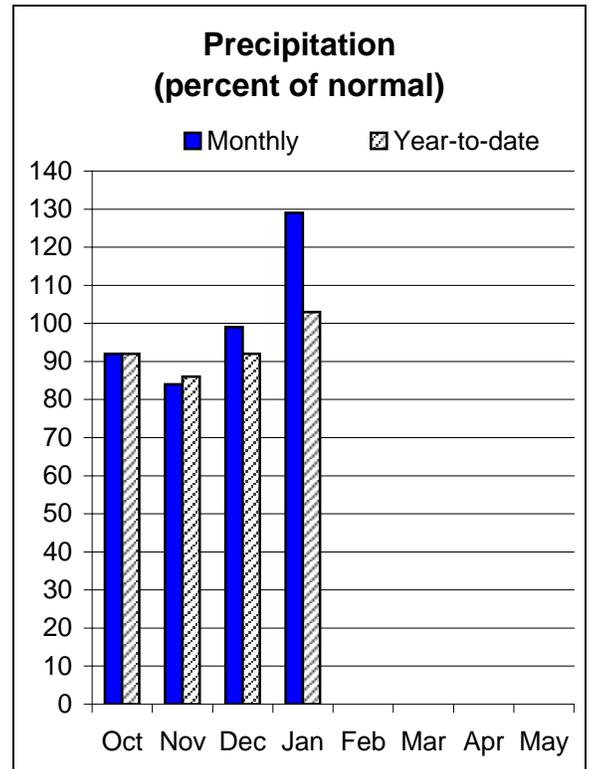
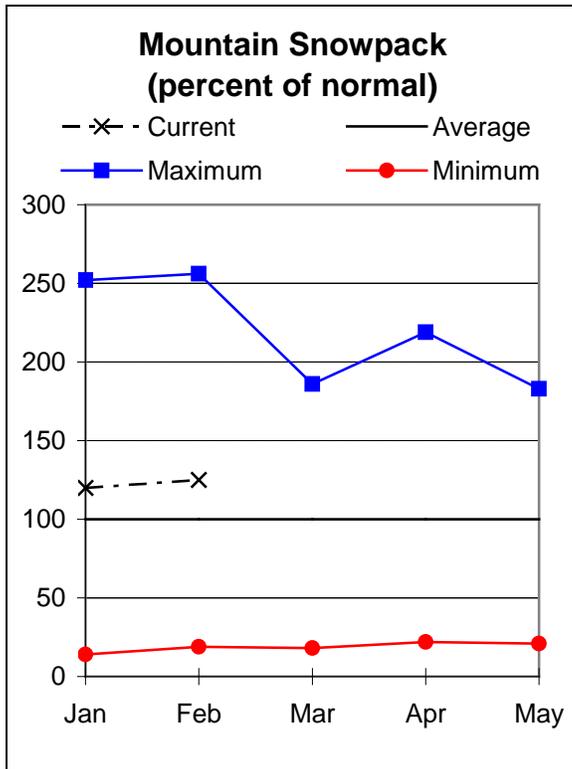
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
CRANE PRAIRIE	55.3	32.9	35.7	39.6	Crooked, Ochoco	4	199	132
CRESCENT LAKE	86.9	33.6	43.5	49.1	Deschutes above Wickiup	3	256	137
OCHOCO	47.5	19.0	14.8	21.0	Little Deschutes	4	219	128
PRINEVILLE	153.0	88.5	84.4	90.0	Tumalo and Squaw Creeks	4	189	114
WICKIUP	200.0	135.3	143.9	161.6				

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HOOD, MILE CREEKS, AND LOWER DESCHUTES BASINS

February 1, 2004



Water Supply Outlook

The snowpack on the drainages of Mt Hood was 125 percent of average as of February 1. January precipitation was 129 percent of average, bringing the total since the start of the water year to 103 percent of average. Much of the January valley precipitation fell as snow and freezing rain causing many travel difficulties. The streamflow forecasts for the coming April through July period are between 112 percent of average on the White River and 103 percent of average on Hood River. Adequate water supplies are expected for most water users this 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 - February 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	APR-JUL APR-SEP	185 226	215 258	235 280	103 103	255 302	285 334	228 271
WF HOOD near Dee	APR-JUL APR-SEP	96 114	113 133	125 145	103 103	137 157	154 176	121 141
WHITE below Tygh Valley	APR-JUL APR-SEP	95 110	112 127	123 139	112 112	134 151	151 168	110 124

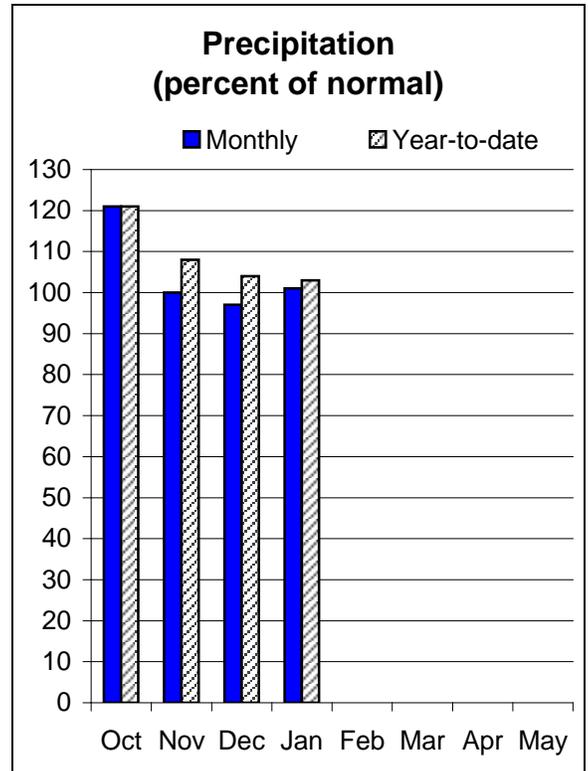
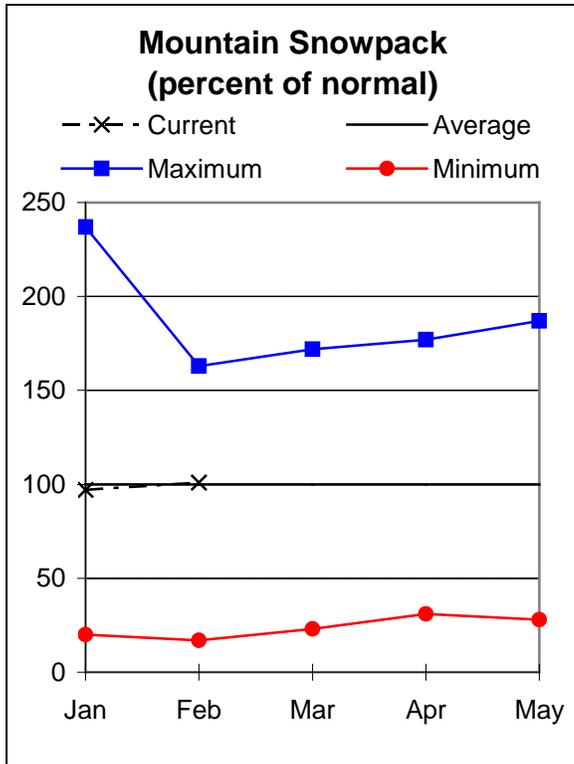
HOOD, MILE CREEKS AND LOWER DESCHUTES BASINS Reservoir Storage (1000 AF) - End of January					HOOD, MILE CREEKS AND LOWER DESCHUTES BASINS Watershed Snowpack Analysis - February 1, 2004			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
CLEAR LAKE (WASCO)	11.9	0.1	1.3	3.7	Hood River	7	423	121
					Mile Creeks	1	234	144
					White River	3	404	118

* 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

February 1, 2004



Water Supply Outlook

The snowpack in the Sandy River basin was 130 percent of average on February 1. January precipitation was 134 percent of average, bringing the total since the start of the water year to 105 percent of average. In reviewing the entire Columbia River Basin, the February 1 snowpack was 101 percent of average. Precipitation in January was 101 percent of average, bringing the total since the start of the water year to 103 percent of average. Adequate water supplies are expected for most users in the Lower Columbia Basin 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 - February 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)	APR-JUL	61283	72606	80300	95	87990	99320	84800
	APR-SEP	76064	86446	93500	94	100550	110940	99000
SANDY near Marmot	APR-JUL	253	299	330	105	361	407	313
	APR-SEP	300	348	380	105	412	460	363

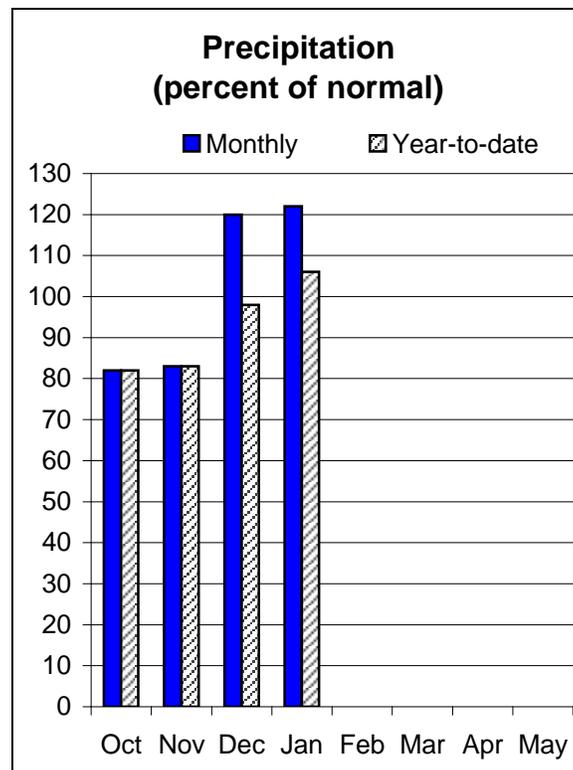
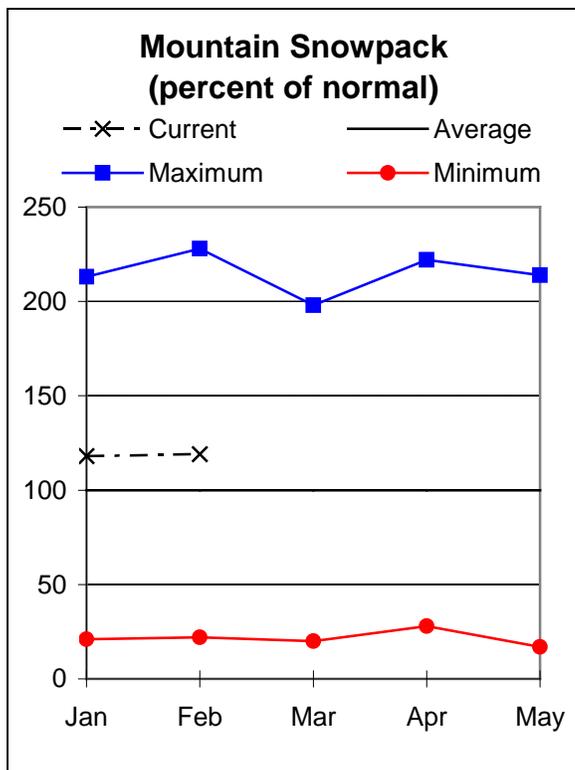
LOWER COLUMBIA BASIN Reservoir Storage (1000 AF) - End of January					LOWER COLUMBIA BASIN Watershed Snowpack Analysis - February 1, 2004			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
					Sandy River	5	682	137

* 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

February 1, 2004



Water Supply Outlook

As of February 1, the snowpack in the mountains surrounding the Willamette River Basin was 119 percent of average. During the month, measurable amounts of snow were recorded on the valley floor. Precipitation in January was 122 percent of average, bringing the total since the start of the water year to 106 percent of average. Water stored in both Timothy and Henry Hagg Lakes was 101 percent of average on January 31. The streamflow forecasts for the coming spring and summer months are between 116 percent of average on Scoggins Creek and 98 percent of average on the Mckenzie River. Adequate water supplies are expected for most water users 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 - February 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)	10% (1000AF)	10% (1000AF)	
BLUE RIVER LAKE INFLOW (1,2)	FEB-MAY	120	158	175	107	192	163
	APR-SEP	53	79	91	106	103	86
CLACKAMAS at Estacada (2)	APR-JUL	523	614	675	106	736	640
	APR-SEP	630	725	790	106	855	748
CLACKAMAS above Three Lynx (2)	APR-JUL	401	460	500	106	540	474
	APR-SEP	483	547	590	105	633	562
COTTAGE GROVE LAKE INFLOW (1,2)	FEB-MAY	53	79	90	103	102	87
	APR-SEP	16.2	36	45	105	54	43
COUGAR LAKE INFLOW (1,2)	FEB-MAY	217	274	300	105	326	285
	APR-SEP	176	223	245	107	267	230
DETROIT LAKE INFLOW (1,2)	FEB-MAY	513	683	760	102	837	744
	APR-JUL	360	484	540	102	596	528
	APR-SEP	442	571	630	102	689	616
DORENA LAKE INFLOW (1,2)	FEB-MAY	150	233	270	106	307	255
	APR-SEP	49	105	130	107	155	122
FALL CREEK LAKE INFLOW (1,2)	FEB-MAY	133	186	210	107	234	197
FERN RIDGE LAKE INFLOW (1,2)	FEB-MAY	81	156	190	106	224	180
	APR-SEP	3.5	14.2	28	104	42	27
FOSTER LAKE INFLOW (1,2)	FEB-MAY	684	888	980	112	1072	878
	APR-JUL	271	435	510	104	585	490
	APR-SEP	309	475	550	104	625	527
GREEN PETER LAKE INFLOW (1,2)	FEB-MAY	474	612	675	112	738	604
	APR-JUL	179	286	335	102	384	327
	APR-SEP	205	312	360	102	408	354
HILLS CREEK LAKE INFLOW (1,2)	FEB-MAY	292	383	425	110	467	388
	APR-JUL	197	268	300	108	332	277
	JUN-OCT	113	152	170	104	188	164
	APR-SEP	237	311	345	108	379	320
LITTLE NORTH SANTIAM (1)	APR-JUL	77	120	140	105	160	133
	APR-SEP	85	130	150	105	170	143
LOOKOUT POINT LAKE INFLOW (1,2)	FEB-MAY	844	1055	1150	112	1245	1025
	APR-JUL	494	680	765	105	850	726
	JUN-OCT	284	388	435	108	482	402
	APR-SEP	573	777	870	105	963	828
McKENZIE below Trail Bridge (2)	APR-JUL	225	249	265	100	281	266
	APR-SEP	346	375	395	98	415	404
McKENZIE near Vida (1,2)	APR-JUL	746	935	1020	104	1105	977
	APR-SEP	960	1160	1250	104	1340	1201
MOHAWK near Springfield	FEB-JUL	127	171	200	103	229	195
OAK GROVE FORK above Power Intake	APR-JUL	116	130	140	108	150	130
	APR-SEP	153	169	180	108	191	167
NORTH SANTIAM at Mehama (1,2)	APR-JUL	497	685	770	105	855	732
	APR-SEP	576	771	860	103	949	834
SOUTH SANTIAM at Waterloo (2)	APR-JUL	361	486	570	104	654	549
	APR-SEP	406	531	615	105	699	587
SCOGGINS CREEK near Gaston (2)	FEB-JUL	40	46	50	116	54	43
THOMAS CREEK near Scio	FEB-JUL	117	152	175	102	198	172
MF WILLAMETTE below NF (1,2)	FEB-MAY	797	998	1090	112	1182	973
	JUN-OCT	293	384	425	109	466	391
	APR-JUL	501	665	740	106	815	698
	APR-SEP	575	754	835	105	916	798
WILLAMETTE at Salem (1,2)	FEB-MAY	5898	7729	8560	109	9391	7837
	APR-JUL	2753	3927	4460	103	4993	4347
	APR-SEP	3317	4474	5000	104	5526	4804

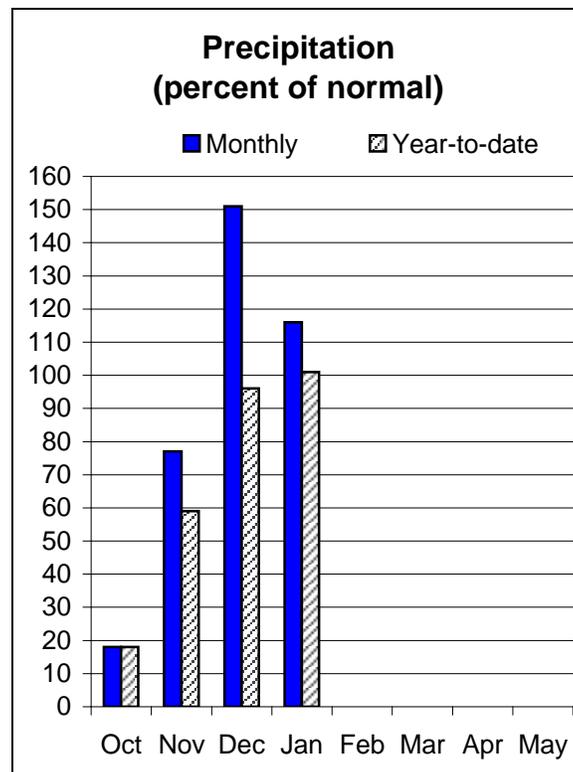
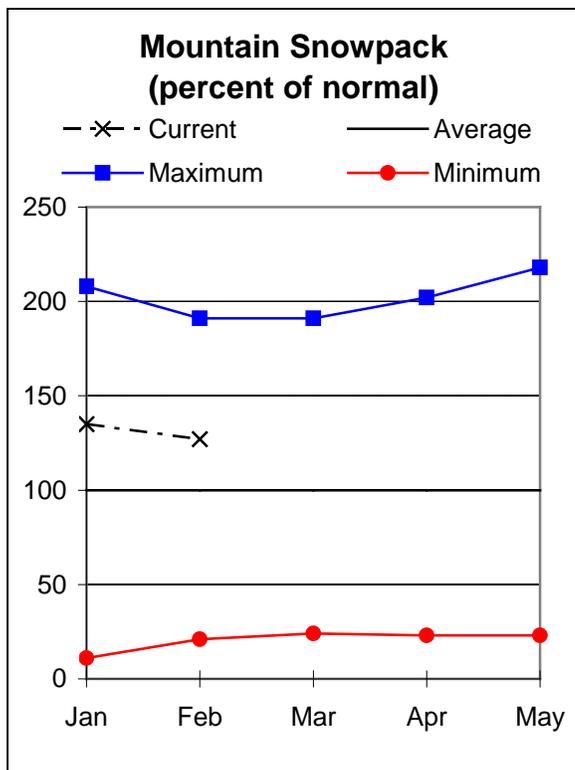
WILLAMETTE BASIN Reservoir Storage (1000 AF) - End of January					WILLAMETTE BASIN Watershed Snowpack Analysis - February 1, 2004			
Reservoir	Usable Capacity	*** Usable Storage This Year	*** Usable Storage Last Year	*** Avg	Watershed	Number of Data Sites	This Year as % of Last Yr	% of Average
BLUE RIVER **	85.5	16.5	16.5	6.0	Clackamas River	5	720	116
COTTAGE GROVE **	29.8	2.8	5.2	3.6	McKenzie River	5	425	122
COUGAR **	155.2	0.0	0.0	77.6	Row River	1	2180	125
DETROIT **	300.7	110.0	92.4	69.0	Santiam River	6	788	121
DORENA **	70.5	11.6	13.9	11.8	Willamette, Middle Fork	6	371	132
FALL CREEK **	115.5	26.1	---	7.1				
FERN RIDGE **	109.6	4.8	5.7	18.6				
FOSTER **	29.7	1.2	4.0	4.9				
GREEN PETER **	268.2	103.2	73.0	91.2				
HILLS CREEK **	200.2	29.1	40.3	71.3				
LOOKOUT POINT **	337.0	94.3	50.6	41.8				
TIMOTHY LAKE	61.7	51.4	56.0	49.9				
HENRY HAGG LAKE	53.0	41.3	43.4	36.2				

* 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

February 1, 2004



Water Supply Outlook

On February 1, the snowpack in the Rogue and Umpqua Basins was 127 percent of average. Snowfall in the early part of the month, closed the Interstate (I-5) Freeway for 3 days. January precipitation was 116 percent of average, bringing the total since the start of the water year to 101 percent of average. Water stored in the major irrigation reservoirs of the basin was very low at 38 percent of average. The streamflow forecasts for the coming April through July period ranges from 107 percent of average on the inflow into Applegate Reservoir and 81 percent of average on the Illinois River. Adequate water supplies are expected for most water users this season, but there is still concern about refilling the irrigation reservoirs

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

ROGUE AND UMPQUA BASINS
Streamflow Forecasts - February 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)	
APPLEGATE LAKE Net Inflow (2)	APR-JUL	74	101	120	107	139	166	112				
	APR-SEP	80	108	127	107	146	174	119				
	FEB-JUL	136	183	215	105	247	294	205				
	FEB-SEP	146	194	226	105	258	306	215				
SF BIG BUTTE CK nr Butte Falls	APR-JUL	21	29	34	100	39	47	34				
CLEARWATER above Trap Creek (2)	APR-SEP	49	57	62	93	67	75	67				
COW CREEK near Azalea	FEB-JUL	17.2	30	38	91	46	59	42				
	APR-JUL	5.7	10.6	14.0	85	17.4	22	16.5				
	APR-SEP	6.4	11.5	15.0	85	18.5	24	17.7				
FOURMILE LAKE net Inflow (2)	APR-JUL	3.66	4.82	5.60	97	6.38	7.54	5.80				
	APR-SEP	4.76	5.92	6.70	94	7.48	8.64	7.10				
GRAVE CREEK at Pease Bridge	FEB-JUL	10.1	16.6	21	100	25	32	21				
HYATT PRAIRIE RES net Inflow (2)	APR-JUL	2.27	3.66	4.60	96	5.54	6.93	4.80				
ILLINOIS R near Kerby	APR-JUL	68	114	145	81	176	222	179				
	APR-SEP	77	124	155	83	186	233	186				
NF LITTLE BUTTE CK nr Lakecreek (2)	APR-SEP	8.9	11.7	13.6	102	15.5	18.3	13.4				
SF LITTLE BUTTE CK nr Lakecreek (2)	APR-SEP	19.5	26	31	97	36	43	32				
LOST CREEK LAKE INFLOW (2)	APR-JUL	421	492	540	102	588	659	530				
	APR-SEP	540	620	675	102	730	810	665				
	FEB-JUL	684	783	850	103	917	1016	825				
	FEB-SEP	807	916	990	103	1064	1173	960				
RED BLANKET CK nr Prospect	APR-JUL	22	29	34	100	39	46	34				
ROGUE above Prospect	APR-JUL	183	217	240	98	263	297	245				
	APR-SEP	230	269	295	98	321	360	300				
SF ROGUE near Prospect (2)	APR-JUL	40	49	56	97	63	72	58				
	APR-SEP	47	58	66	94	74	85	70				
ROGUE R at Raygold (2)	APR-JUL	537	661	745	102	829	953	730				
	APR-SEP	689	826	920	103	1014	1151	890				
ROGUE R at Grants Pass (2)	APR-JUL	512	654	750	101	846	988	740				
	APR-SEP	633	789	895	101	1001	1157	885				
SUCKER CK blw Little Grayback	APR-JUL	28	41	50	96	59	72	52				
	APR-SEP	32	45	54	96	63	77	56				
NORTH UMPQUA nr Toketee Falls (2)	APR-SEP	119	140	154	102	168	189	151				
NORTH UMPQUA at Winchester	APR-JUL	548	692	790	99	888	1032	795				
SOUTH UMPQUA near Brockway	APR-JUL	119	257	350	88	443	581	400				
SOUTH UMPQUA at Tiller	APR-JUL	106	156	190	98	224	274	193				
	APR-SEP	120	171	205	100	239	290	205				

ROGUE AND UMPQUA BASINS Reservoir Storage (1000 AF) - End of January					ROGUE AND UMPQUA BASINS Watershed Snowpack Analysis - February 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	0.0	3.6	12.7	Applegate River	6	99	118
EMIGRANT LAKE	39.0	23.3	27.5	21.9	Bear Creek	5	97	117
FISH LAKE	8.0	3.4	3.5	5.3	Butte Creek	6	216	131
FOURMILE LAKE	16.1	2.1	1.8	9.0	Illinois River	5	175	125
HOWARD PRAIRIE	60.0	24.2	20.6	39.1	North Umpqua River	8	442	123
HYATT PRAIRIE	16.1	10.6	7.3	10.2	Rogue River	22	166	126
LOST CREEK **	315.0	36.5	47.8	162.0				

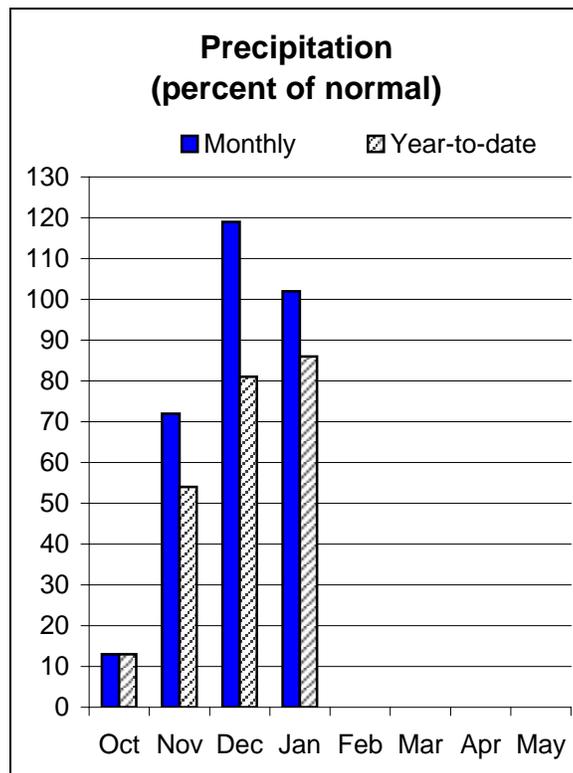
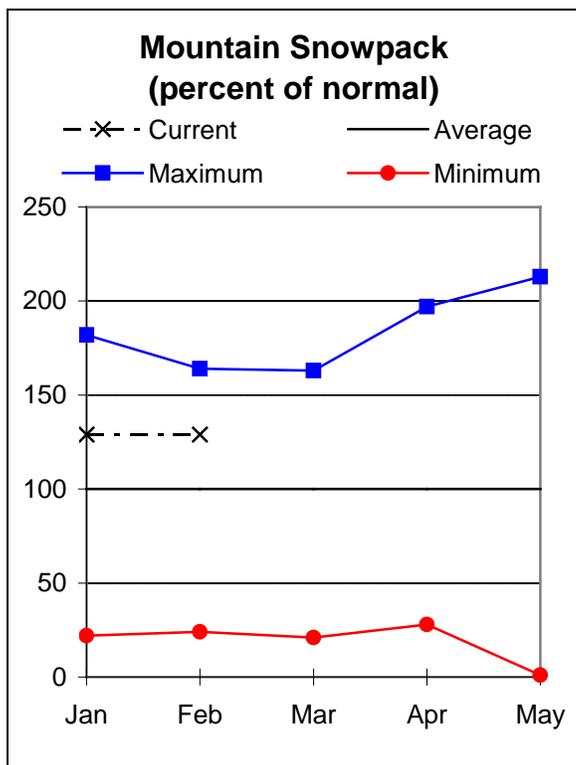
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual flow will exceed the volumes in the table.

(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.

KLAMATH BASIN

February 1, 2004



Water Supply Outlook

The February 1, snowpack in the Klamath Basin was 129 percent of average, the same as last month. January precipitation was 102 percent of average, bringing the total precipitation since the start of the water year to 86 percent of average. On January 31, there were 357,900 acre-feet of water stored in the irrigation reservoirs of the basin, represent 59 percent of average and 32 percent of capacity. The streamflow forecasts for the coming February through July period are between 86 percent of average on the Williamson River and 70 percent of average for the inflow into Gerber Reservoir. Careful water management will be necessary to ensure adequate supplies for 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 - February 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)	
CLEAR LK Net Inflow (2)	FEB-JUL	34	64	85	81	106	136	105
GERBER RESERVOIR net Inflow (2)	FEB-JUL	10.8	24	33	70	42	55	47
SPRAGUE R nr Chiloquin	FEB-JUL	114	183	230	71	277	346	325
	APR-SEP	81	128	160	70	192	239	230
UPPER KLAMATH LK net Inflow (1)	FEB-JUL	303	542	650	83	758	997	780
	APR-SEP	186	350	425	83	500	664	515
WILLIAMSON R nr Chiloquin	FEB-JUL	263	372	445	86	518	627	520
	APR-SEP	188	272	330	86	388	472	385

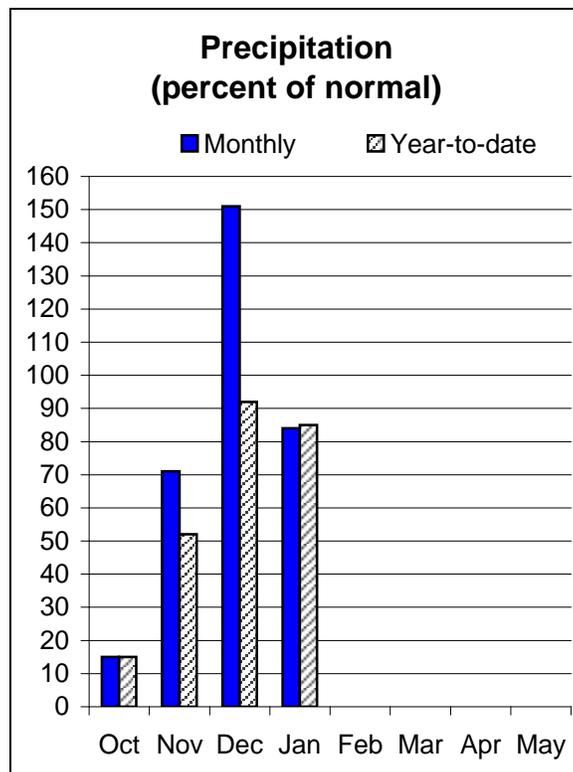
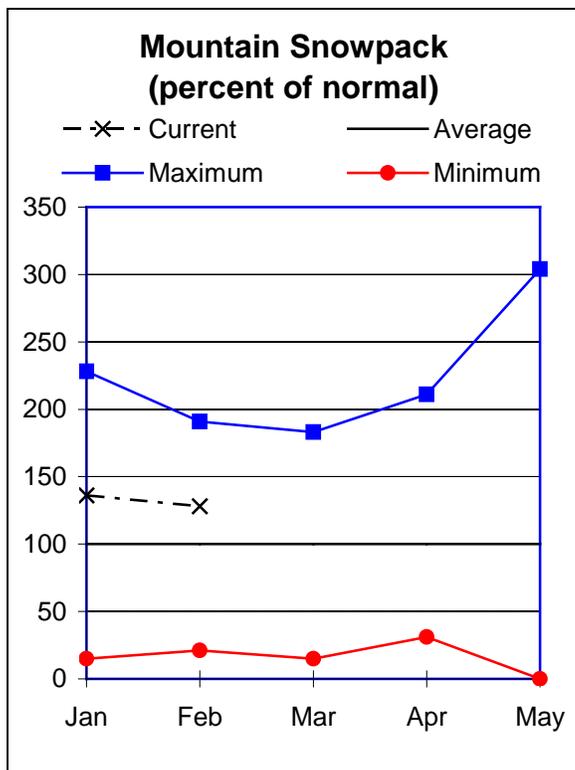
KLAMATH BASIN Reservoir Storage (1000 AF) - End of January					KLAMATH BASIN Watershed Snowpack Analysis - February 1, 2004			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
CLEAR LAKE (CALIF)	513.3	70.6	101.9	207.8	Lost River	2	0	88
GERBER	94.3	18.1	24.1	46.9	Sprague River	3	153	103
UPPER KLAMATH LAKE	523.7	269.2	350.9	354.6	Upper Klamath Lake	10	207	129
					Williamson River	5	216	124

* 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

February 1, 2004



Water Supply Outlook

The snowpack on February 1 was 128 percent of average. January precipitation was 84 percent of average, the lowest percentage in the state. Since the start of the water year, the total precipitation has been 85 percent of average, also the lowest percentage in the state. Water stored in the irrigation reservoirs on January 31 was 59 percent of average. The streamflow forecasts for the coming spring and summer months range from 88 percent of average on Deep Creek and 75 percent of average on Bridge Creek, Honey Creek and the inflow into Drews Reservoir. Careful use of water will be required to insure that adequate supplies will be available for 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 - February 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	APR-JUL	0.30	1.55	2.40	75	3.25	4.50	3.20
CHEWAUCAN R nr Paisley	MAR-JUL	39	58	70	79	83	101	89
COTTONWOOD CK nr Lakeview (2)	MAR-JUL	4.2	6.4	8.0	76	9.6	11.8	10.6
DEEP CK abv Adel	MAR-JUL	44	62	74	88	86	104	84
DREWS RESERVOIR net Inflow (2)	MAR-JUL	4.4	17.9	27	75	36	50	36
HONEY CK nr Plush	MAR-JUL	6.3	11.5	15.0	75	18.5	24	20
SILVER CK nr Silver Lk	MAR-JUL	3.9	10.5	15.0	76	19.5	26	19.7
TWENTYMILE CK nr Adel	MAR-JUL	13.6	19.8	24	86	28	34	28

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

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

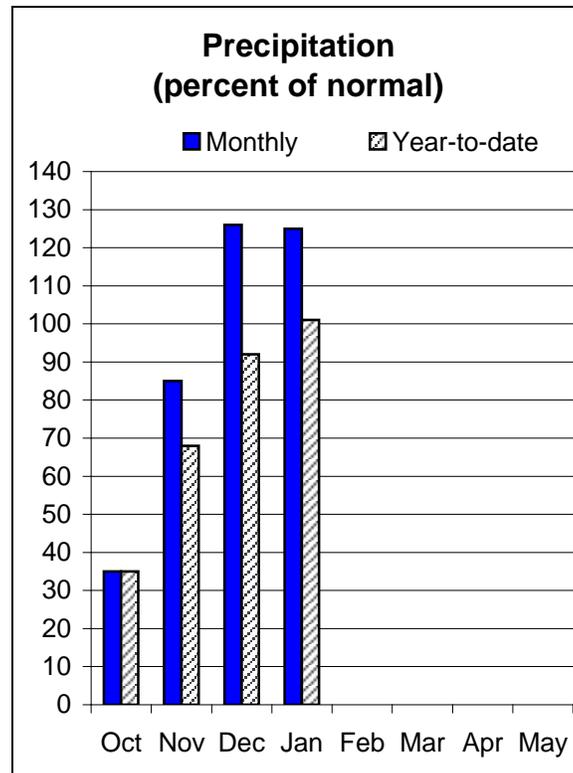
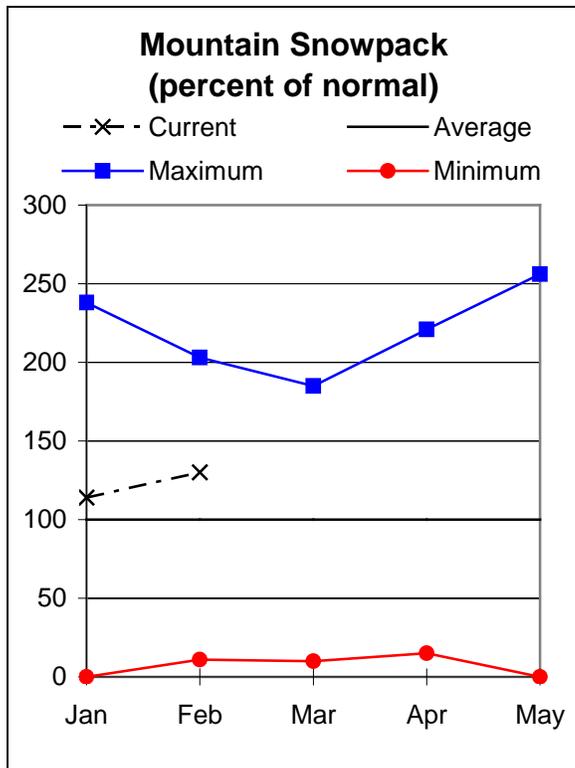
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
COTTONWOOD	8.7	6.1	4.1	3.1	Chewaucan River	2	135	92
DREWS	63.0	12.0	11.5	33.1	Deep Creek	2	226	132
THOMPSON VALLEY	18.4	2.1	4.7	9.2	Drew Creek	2	0	88
					Honey Creek	1	314	139
					Silver Creek (Lake Co.)	3	154	116
					Twentymile Creek	2	226	132

* 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

February 1, 2004



Water Supply Outlook

The snowpack in the mountains of the Harney Basin was 130 percent of average as of February 1. January precipitation was 125 percent of average. This amount brings the total precipitation since the start of the water year on October 1 to 101 percent of average. The streamflow forecasts for the coming spring and summer months range from 90 percent of average on Silver Creek near Riley and 82 percent of average on Trout Creek. Adequate water supplies should be available for most users this season, though careful management of the water resource will be needed to insure the supply lasts.

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

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HARNEY BASIN
Streamflow Forecasts - February 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	MAR-JUL	45	56	63	84	70	81	75
	APR-SEP	41	51	58	83	65	75	70
SILVER CK nr Riley	FEB-JUL	19.0	24	27	90	30	35	30
SILVIES R nr Burns	MAR-JUL	56	93	118	92	143	180	129
	APR-SEP	34	67	89	90	111	144	99
TROUT CK nr Denio	MAR-JUL	4.4	7.2	9.1	82	11.0	13.8	11.1
	APR-SEP	3.9	6.7	8.5	83	10.3	13.1	10.3

HARNEY BASIN Reservoir Storage (1000 AF) - End of January					HARNEY BASIN Watershed Snowpack Analysis - February 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	5	258	131
					Silver Creek (Harney Co)	2	352	135
					Silvies River	6	248	135
					Trout Creek	5	227	119

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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.