



United States
Department of
Agriculture



Natural Resources
Conservation
Service

Oregon Basin Outlook Report

February 1, 2009



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General Outlook

February 1, 2009

SUMMARY

January 2009 was warmer and drier than normal throughout Oregon.

A wet storm early in the month brought rain-on-snow conditions to Western Oregon and snowfall east of the Cascades. During mid January, a temperature inversion created cold valley temperatures and well above normal temperatures at mountain SNOTEL sites. A small storm late in the month refreshed the dense snowpack but brought limited relief to water supply conditions.

February and March will need to be wetter and snowier than normal to provide a boost to water supply conditions in the mountains of Oregon.

SNOWPACK

A rain-on-snow event hit Western Oregon January 7 through 9, causing snow to melt before turning back to snow accumulation. Mid January was unseasonably dry and warm in the mountains of Oregon creating consolidation of the snowpack. Snow densities throughout the state are higher than normal. The warm temperatures resulted in some snow melt at lower and mid elevations. A few small storms late in the month brought some additional fresh snow.

While the January 1 snowpack was above average, the February 1 snowpack was largely below average in Oregon. The February 1 snowpack ranges from 72 percent of average in Harney basin to 103 percent of average in the Owyhee and Malheur basins. The February 1 snowpack was below normal in all but three water supply basins in Oregon.

PRECIPITATION

Following above average precipitation in the month of December, January precipitation was below average throughout the state.

Total precipitation for the month of January ranges from a low of 46 percent of average in the Harney basin to 96 percent of average in the Lower Columbia. Since the beginning of the water year, precipitation in Oregon basins ranges from 72 percent of average in Lake County and Goose Lake basin to 101 percent of average in the Owyhee and Malheur basins.

RESERVOIRS

The February 1 storage at 26 major Oregon reservoirs analyzed in this publication was 74 percent of average. A total of 1,357,500 acre feet of water were stored on February 1, representing 43 percent of useable capacity. Last year at this time the same reservoirs stored 1,207,600 acre feet of water or 38 percent of capacity.

STREAMFLOW

Many summer streamflow forecasts show a drop from last month due to a drier than normal January and less than average February 1 snowpack conditions. The precipitation patterns over the next few months will be key in determining summer water supplies.

| STREAM | PERIOD | PERCENT OF AVERAGE |
|-----------------------------|-----------------|---------------------------|
| Owyhee Net Inflow | April-September | 78 |
| Grande Ronde at La Grande | April-September | 85 |
| Umatilla at Pendleton | April-September | 107 |
| Deschutes at Benham Falls | April-September | 97 |
| Willamette MF near Oakridge | April-September | 91 |
| Rogue at Raygold | April-September | 89 |
| Upper Klamath L. Net Inflow | April-September | 73 |
| Silvies near Burns | April-September | 81 |

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

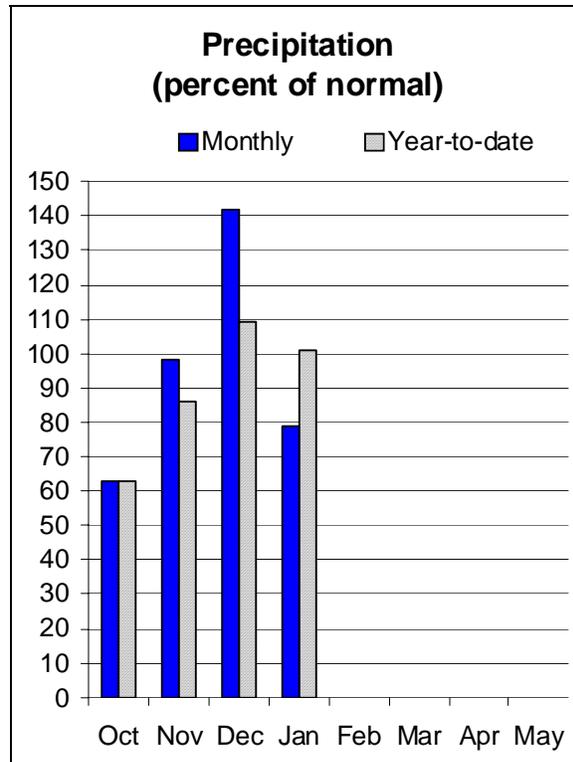
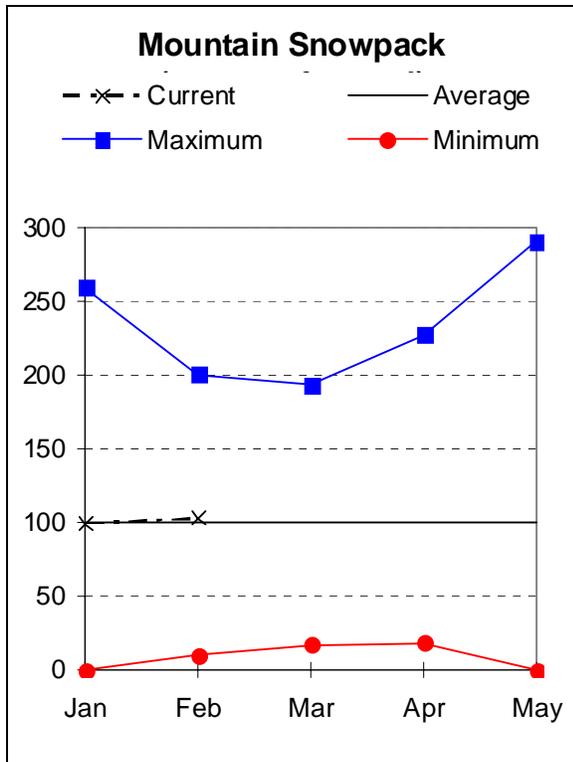
The forecasts in this bulletin are a result of coordinated activity between the Natural Resources Conservation Service and the National Weather Service as an effort to provide the best possible service to water users.

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



Owyhee and Malheur Basins

February 1, 2009



Water Supply Outlook

The February 1 snowpack in the Owyhee and Malheur basins was the healthiest in the state at 103 percent of normal. Measurements were taken at 19 aerial markers, 11 SNOTEL sites and 5 snow courses. Most sites reported an increase in snow water from their January 1 measurements.

January precipitation in the Owyhee and Malheur basins was 79 percent of average. Since the beginning of the water year, precipitation in these basins has been near average.

At the end of January, storage at four Owyhee and Malheur basin reservoirs was 44 percent of average and 25 percent of capacity.

The April through September streamflow forecasts range from 54 to 80 percent of average. At the current time, water users in the basin can anticipate below average water supply conditions for the April through September period.

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

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

OWYHEE AND MALHEUR BASINS
Streamflow Forecasts - February 1, 2009

| Forecast Point | Forecast Period | <<===== Drier ===== Future Conditions ===== Wetter =====>> | | | | | 30-Yr Avg. (1000AF) | |
|-----------------------------|-----------------|--|-----------------|-----------------|----------|-----------------|------------------------|-----------------|
| | | Chance Of Exceeding * | | | | | | |
| | | 90% (1000AF) | 70% (1000AF) | 50% (1000AF) | (% AVG.) | 30% (1000AF) | | 10% (1000AF) |
| Malheur R nr Drewsey | FEB-JUL | 24 | 47 | 67 | 53 | 90 | 131 | 127 |
| | APR-SEP | 11.4 | 27 | 41 | 54 | 58 | 89 | 76 |
| NF Malheur R at Beulah | FEB-JUL | 22 | 39 | 52 | 58 | 67 | 94 | 90 |
| Owyhee Reservoir Inflow (2) | FEB-JUL | 14.0 | 325 | 575 | 82 | 825 | 1192 | 700 |
| | FEB-SEP | 22 | 341 | 599 | 82 | 857 | 1237 | 730 |
| | APR-SEP | 13.0 | 184 | 335 | 78 | 486 | 708 | 430 |
| Owyhee R nr Rome | FEB-JUL | 283 | 442 | 570 | 87 | 714 | 956 | 655 |
| | FEB-SEP | 294 | 457 | 587 | 87 | 734 | 979 | 675 |
| | APR-SEP | 150 | 243 | 320 | 80 | 407 | 554 | 400 |

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

OWYHEE AND MALHEUR BASINS
Watershed Snowpack Analysis - February 1, 2009

| 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 | 14.4 | 13.2 | 28.5 | Owyhee | 20 | 92 | 112 |
| BULLY CREEK | 30.0 | 9.2 | 5.5 | 13.6 | Upper Malheur | 8 | 46 | 71 |
| OWYHEE | 715.0 | 206.6 | 191.9 | 438.3 | Jordan Creek | 4 | 74 | 97 |
| WARMSPRINGS | 191.0 | 20.0 | 15.9 | 87.7 | Bully Creek | 3 | 38 | 74 |
| | | | | | Willow Creek | 4 | 45 | 87 |

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

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

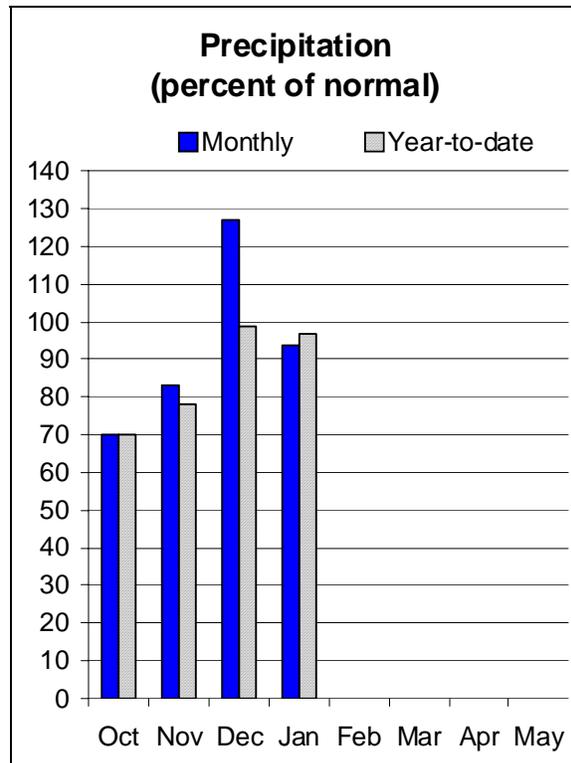
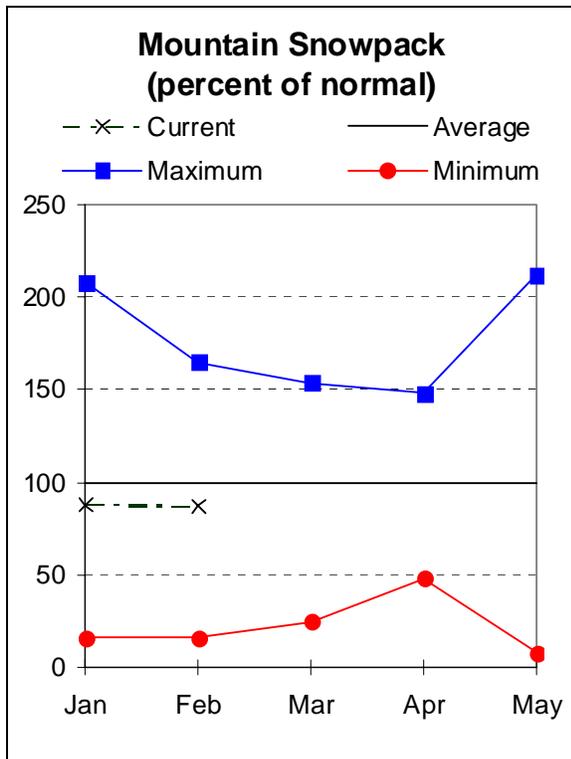
(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

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



Burnt, Powder, Grand Ronde, and Imnaha Basins

February 1, 2009



Water Supply Outlook

As of February 1, the snowpack as measured at 8 snow courses, 17 SNOTEL sites and 6 aerial markers was 87 percent of average.

January precipitation in these basins was 94 percent of average. Since the beginning of the water year, precipitation in these basins has been 97 percent of average.

At the end of January, storage at three basin reservoirs was 86 percent of average and 52 percent of capacity.

The April through September streamflow forecasts range from 67 to 92 percent of average. At the current time, water users in the basins can expect well below to slightly below average water supply conditions for the April through September period.

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

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BURNT, POWDER, PINE, GRANDE RONDE AND IMNAHA BASINS
Streamflow Forecasts - February 1, 2009

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| Forecast Point | Forecast Period | <<===== Drier ===== Future Conditions ===== Wetter =====>> | | | | 30-Yr Avg. (1000AF) | | |
|------------------------------|-----------------|--|-----------------|---|----|------------------------|-----------------|-----------------|
| | | 90% (1000AF) | 70% (1000AF) | Chance Of Exceeding * 50% (1000AF) (% AVG.) | | | 30% (1000AF) | 10% (1000AF) |
| Bear Ck nr Wallowa | APR-SEP | 39 | 50 | 58 | 89 | 66 | 77 | 65 |
| Burnt R nr Hereford | FEB-JUL | 22 | 33 | 41 | 72 | 50 | 65 | 57 |
| | APR-SEP | 12.4 | 19.9 | 26 | 67 | 33 | 45 | 39 |
| Catherine Ck nr Union | APR-JUL | 42 | 51 | 57 | 92 | 63 | 74 | 62 |
| | APR-SEP | 46 | 55 | 61 | 92 | 68 | 78 | 66 |
| Deer Ck nr Sumpster | FEB-JUL | 10.7 | 13.7 | 16.0 | 83 | 18.4 | 22 | 19.4 |
| Grande Ronde R at La Grande | MAR-JUL | 147 | 188 | 218 | 88 | 251 | 303 | 247 |
| | APR-SEP | 99 | 133 | 159 | 85 | 188 | 234 | 188 |
| Grande Ronde R at Troy | MAR-JUL | 854 | 1244 | 1422 | 90 | 1600 | 1990 | 1580 |
| | APR-SEP | 704 | 1057 | 1218 | 89 | 1379 | 1732 | 1370 |
| Imnaha R at Imnaha | APR-JUL | 120 | 177 | 215 | 80 | 253 | 310 | 270 |
| | APR-SEP | 134 | 194 | 235 | 80 | 276 | 336 | 295 |
| Lostine R nr Lostine | APR-JUL | 71 | 84 | 94 | 84 | 104 | 120 | 112 |
| | APR-SEP | 77 | 91 | 102 | 84 | 113 | 131 | 121 |
| Pine Ck nr Oxbow | FEB-JUL | 106 | 147 | 175 | 84 | 203 | 244 | 208 |
| | APR-JUL | 71 | 100 | 119 | 80 | 138 | 167 | 148 |
| | APR-SEP | 74 | 103 | 123 | 80 | 143 | 172 | 154 |
| Powder R nr Sumpster | FEB-JUL | 37 | 50 | 59 | 80 | 69 | 86 | 74 |
| | APR-JUL | 26 | 36 | 44 | 76 | 52 | 66 | 58 |
| | APR-SEP | 27 | 37 | 45 | 76 | 54 | 68 | 59 |
| Wolf Ck Reservoir Inflow (2) | MAR-JUN | 6.2 | 10.2 | 13.0 | 80 | 15.8 | 19.8 | 16.2 |

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

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

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

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

| BURNT, POWDER, PINE, GRANDE RONDE AND IMNAHA BASINS Reservoir Storage (1000 AF) - End of January | | | | | BURNT, POWDER, PINE, GRANDE RONDE AND IMNAHA BASINS Watershed Snowpack Analysis - February 1, 2009 | | | |
|---|-----------------|------------------------------|-----------|---------|---|----------------------|---------------------------|--------------|
| Reservoir | Usable Capacity | *** Usable Storage This Year | Last Year | *** Avg | Watershed | Number of Data Sites | This Year as % of Last Yr | % of Average |
| PHILLIPS LAKE | 73.5 | 36.5 | 9.0 | 40.8 | Upper Grande Ronde | 11 | 73 | 100 |
| THIEF VALLEY | 17.4 | 13.5 | 9.3 | 16.5 | Wallowa | 9 | 74 | 92 |
| UNITY | 25.2 | 10.2 | 7.0 | 12.9 | Imnaha | 6 | 65 | 84 |
| WALLOWA LAKE | 37.5 | 14.8 | 7.8 | 17.9 | Powder | 13 | 71 | 90 |
| WOLF CREEK | 10.4 | 3.0 | 1.0 | 3.2 | Burnt | 5 | 55 | 83 |

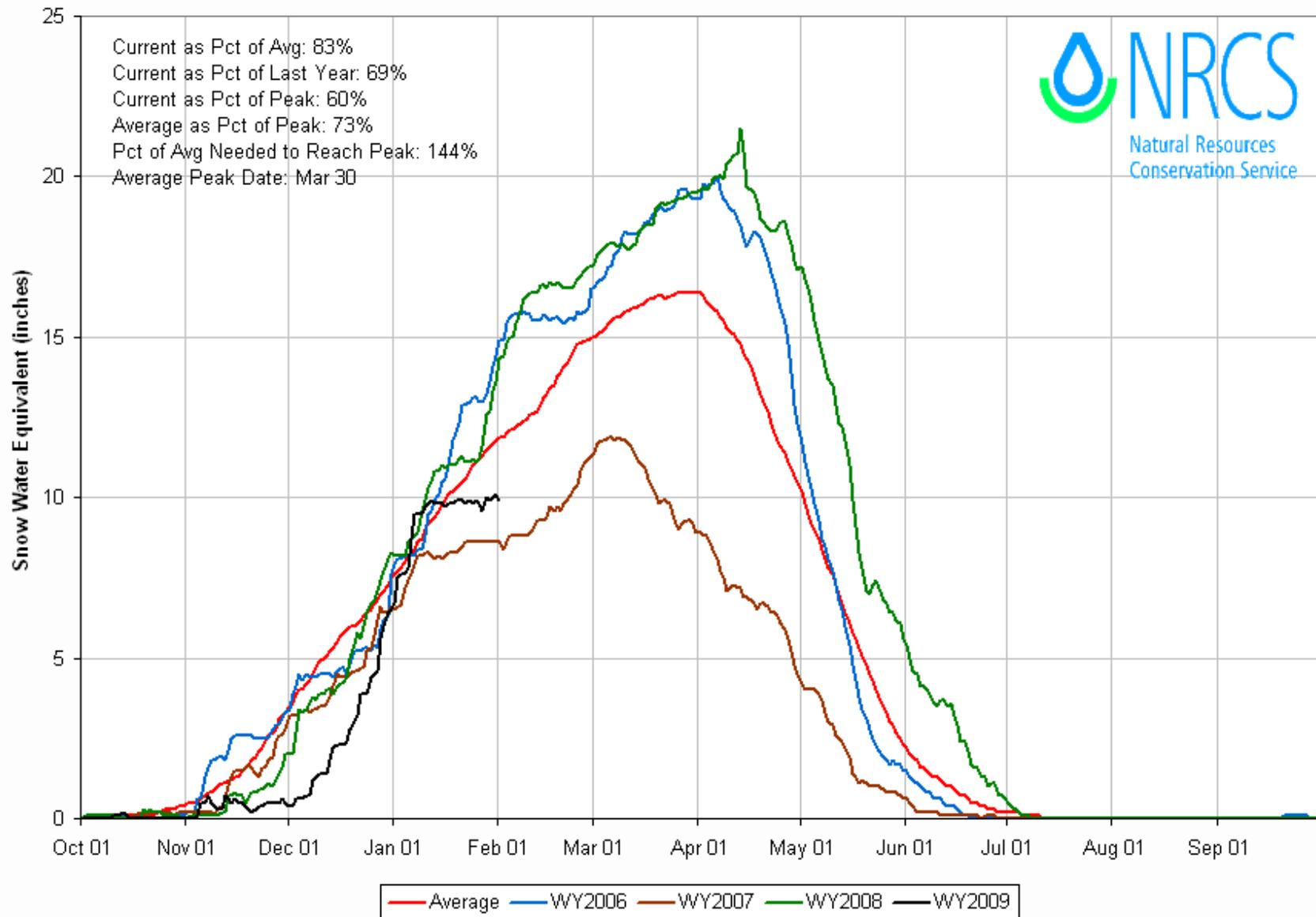
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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

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

Burnt, Powder, Pine, Grande Ronde, and Imnaha Basins Time Series Snowpack Summary

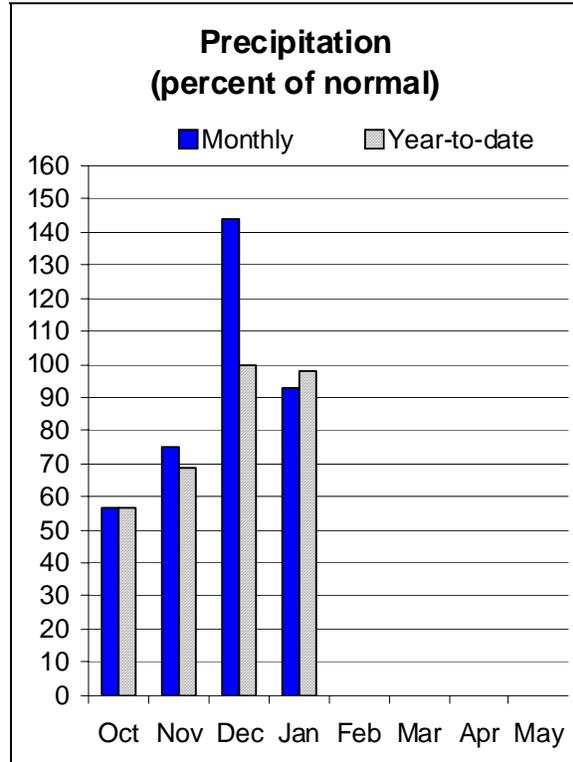
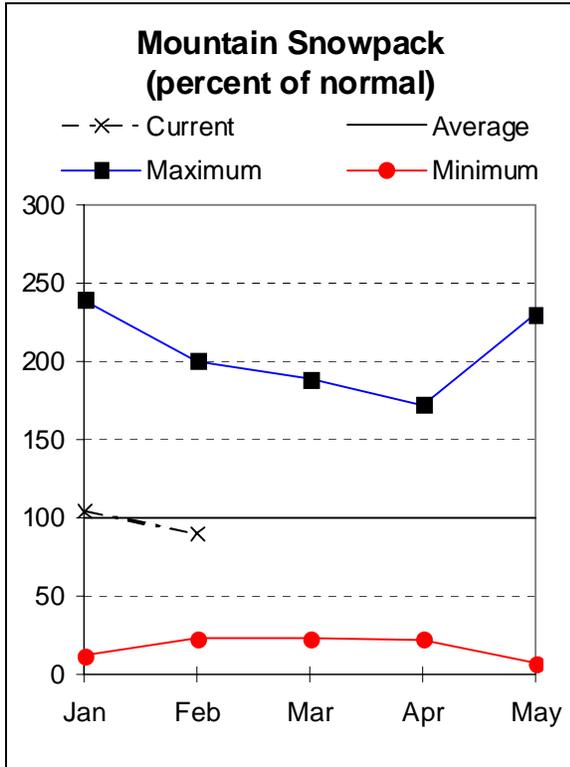
Based on Provisional SNOTEL data as of Feb 01, 2009





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

February 1, 2009



Water Supply Outlook

As of February 1, the snowpack as measured at two snow courses and seven SNOTEL sites was 90 percent of average. This marks a notable decrease from the January 1 basin snowpack that measured 104 percent of average.

January precipitation in these basins was 93 percent of average. Since the beginning of the water year, precipitation in these basins has been 98 percent of average.

At the end of January, storage at two basin reservoirs was 76 percent of average and 34 percent of capacity.

The April through September streamflow forecasts range from 90 to 108 percent of average. At the current time, water users in the basin can expect near to average conditions for the April through September period.

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

UMATILLA, WALLA WALLA, WILLOW, ROCK AND LOWER JOHN DAY BASINS
Streamflow Forecasts - February 1, 2009

| Forecast Point | Forecast Period | <<===== Drier ===== Future Conditions ===== Wetter =====>> | | | | 30-Yr Avg. (1000AF) | | |
|--------------------------------------|-----------------|--|-----------------|-----------------|----------|------------------------|-----------------|-----------------|
| | | Chance Of Exceeding * | | | | | | |
| | | 90% (1000AF) | 70% (1000AF) | 50% (1000AF) | (% AVG.) | | 30% (1000AF) | 10% (1000AF) |
| Butter Ck nr Pine City | MAR-JUL | 7.2 | 11.0 | 13.5 | 90 | 16.0 | 19.8 | 15.0 |
| | APR-SEP | 4.7 | 7.4 | 9.2 | 90 | 11.0 | 13.7 | 10.2 |
| McKay Ck nr Pilot Rock | APR-SEP | 8.4 | 19.5 | 27 | 100 | 35 | 46 | 27 |
| Rhea Ck nr Heppner | FEB-JUL | 5.5 | 9.2 | 11.8 | 87 | 14.4 | 18.1 | 13.5 |
| Umatilla R ab Meacham Ck nr Gibbon | APR-JUL | 57 | 69 | 78 | 107 | 87 | 99 | 73 |
| | MAR-SEP | 88 | 103 | 113 | 107 | 123 | 138 | 106 |
| | APR-SEP | 64 | 76 | 85 | 108 | 94 | 106 | 79 |
| Umatilla R at Pendleton | APR-JUL | 111 | 140 | 160 | 107 | 180 | 210 | 149 |
| | MAR-SEP | 188 | 220 | 245 | 107 | 270 | 300 | 230 |
| | APR-SEP | 116 | 146 | 166 | 107 | 186 | 215 | 155 |
| SF Walla Walla R nr Milton-Freewater | APR-JUL | 42 | 49 | 53 | 98 | 57 | 64 | 54 |
| | MAR-SEP | 66 | 74 | 80 | 99 | 86 | 94 | 81 |
| | APR-SEP | 54 | 61 | 66 | 99 | 71 | 78 | 67 |
| Willow Ck ab Willow Ck Lake nr Heppn | FEB-JUL | 5.6 | 9.0 | 11.3 | 85 | 13.6 | 17.0 | 13.3 |
| | APR-JUL | 2.2 | 4.6 | 6.3 | 85 | 8.0 | 10.4 | 7.4 |

| | |
|---|---|
| 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, 2009 |

| 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 | 10.8 | 7.2 | 21.4 | Walla Walla | 3 | 64 | 89 |
| MCKAY | 73.8 | 31.6 | 15.4 | 34.1 | Umatilla | 7 | 68 | 93 |
| WILLOW CREEK | 1.8 | 0.0 | 0.1 | --- | McKay Creek | 4 | 74 | 96 |

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

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

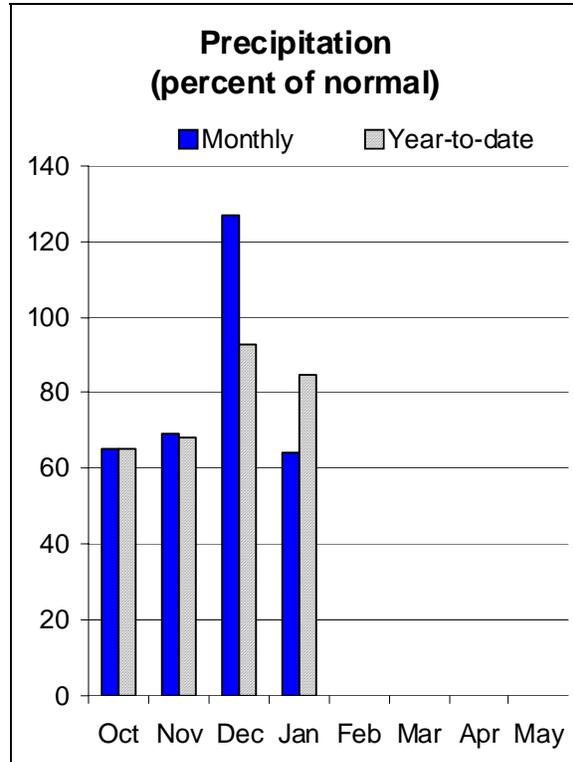
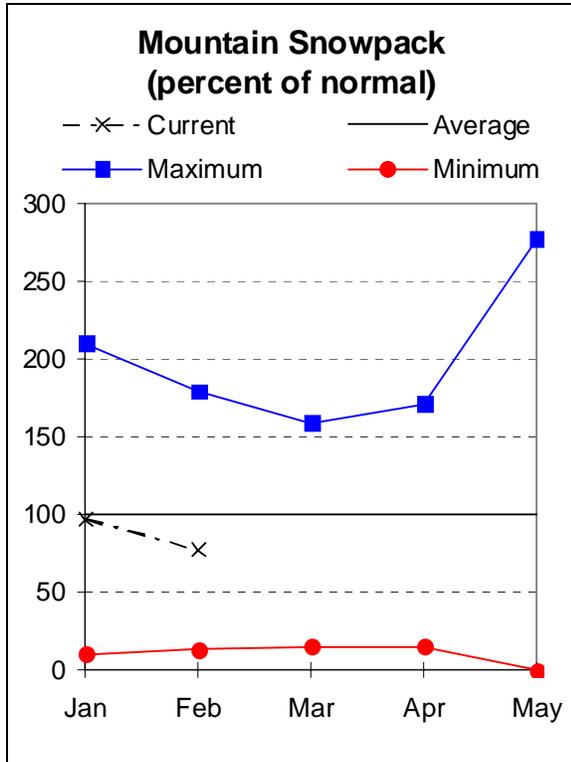
(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

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



Upper John Day Basin

February 1, 2009



Water Supply Outlook

As of February 1, the snowpack as measured at five snow courses and 13 SNOTEL sites was 77 percent of average. This marks a significant decrease from the 97 percent of average snowpack measured on January 1.

Total precipitation since the beginning of the water year has been only 85 percent of average. January precipitation in the Upper John Day basin was 64 percent of average.

Water supply forecasts for the April through September period range from 85 to 95 percent of average. The decrease in streamflow forecasts from last month reflects below normal January precipitation. Currently, Upper John Day water users may anticipate slightly below normal summer streamflow conditions.

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

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

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UPPER JOHN DAY BASIN
Streamflow Forecasts - February 1, 2009

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| Forecast Point | Forecast Period | <<===== Drier ===== Future Conditions ===== Wetter =====>> | | | | | 30-Yr Avg. (1000AF) | |
|-------------------------------|-----------------|--|-----------------|-----------------------|----------|-----------------|------------------------|-----------------|
| | | ===== | | Chance Of Exceeding * | | ===== | | |
| | | 90% (1000AF) | 70% (1000AF) | 50% (1000AF) | (% AVG.) | 30% (1000AF) | | 10% (1000AF) |
| Camas Ck nr Ukiah | MAR-JUL | 32 | 42 | 48 | 92 | 54 | 64 | 52 |
| | APR-SEP | 20 | 29 | 35 | 92 | 41 | 50 | 38 |
| MF John Day R at Ritter | MAR-JUL | 84 | 116 | 137 | 86 | 158 | 190 | 159 |
| | APR-SEP | 64 | 91 | 110 | 86 | 129 | 156 | 128 |
| NF John Day R at Monument | MAR-JUL | 420 | 570 | 670 | 85 | 770 | 920 | 790 |
| | APR-SEP | 310 | 435 | 520 | 85 | 605 | 730 | 615 |
| Mountain Ck nr Mitchell | FEB-JUL | 2.9 | 5.1 | 6.6 | 94 | 8.1 | 10.3 | 7.0 |
| | APR-SEP | 1.7 | 3.3 | 4.4 | 95 | 5.5 | 7.1 | 4.6 |
| Strawberry Ck nr Prairie City | MAR-JUL | 4.1 | 5.7 | 6.7 | 91 | 7.7 | 9.3 | 7.4 |
| | APR-SEP | 4.3 | 5.9 | 7.0 | 90 | 8.1 | 9.7 | 7.8 |

| UPPER JOHN DAY BASIN Reservoir Storage (1000 AF) - End of January | | | | | UPPER JOHN DAY BASIN Watershed Snowpack Analysis - February 1, 2009 | | | |
|--|-----------------|------------------------|-----------|-----|--|----------------------|-------------------|---------|
| Reservoir | Usable Capacity | *** Usable Storage *** | | | Watershed | Number of Data Sites | This Year as % of | |
| | | This Year | Last Year | Avg | | | Last Yr | Average |
| | | | | | North Fork John Day | 7 | 63 | 79 |
| | | | | | John Day above Kimberly | 5 | 62 | 73 |

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

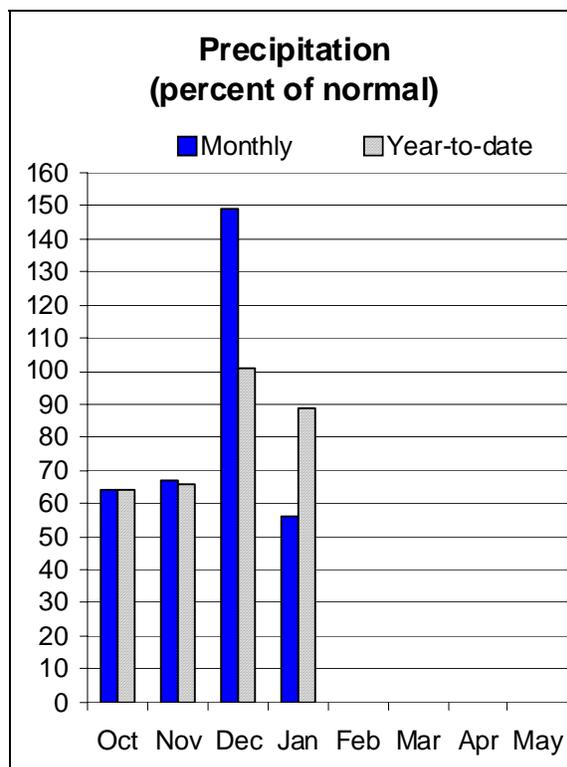
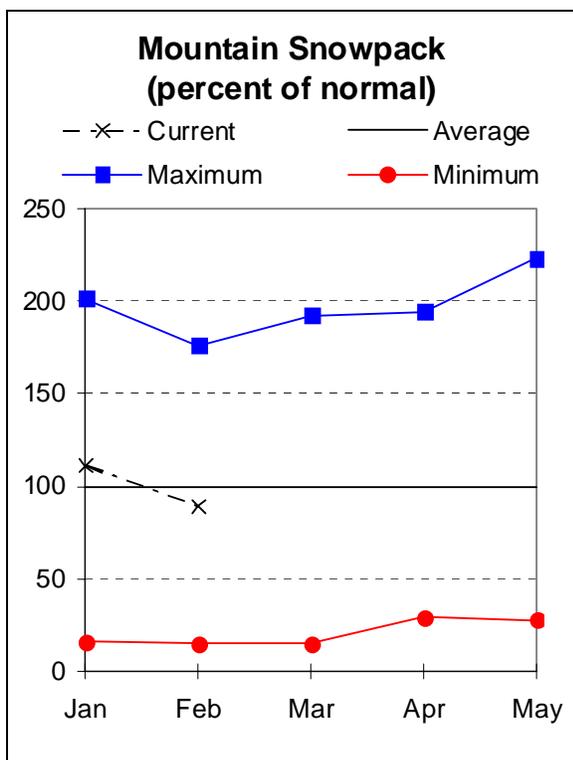
The average is computed for the 1971-2000 base period.

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



Upper Deschutes and Crooked Basins

February 1, 2009



Water Supply Outlook

As of February 1, the snowpack as measured at five snow courses and 14 SNOTEL sites in the Upper Deschutes and Crooked river basins was 89 percent of average. This marks a significant decrease from the 106 percent of average snowpack measured on January 1.

January precipitation in these basins was only 56 percent of average. Since the beginning of the water year, precipitation in the basin has been 89 percent of average.

At the end of January, storage at five basin reservoirs was 114 percent of average or 76 percent of capacity.

The April through September streamflow forecasts range from 84 to 100 percent of average. Water users in the Upper Deschutes and Crooked River basins can anticipate normal to somewhat below normal streamflows this coming summer.

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

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

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UPPER DESCHUTES AND CROOKED BASINS
Streamflow Forecasts - February 1, 2009

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| Forecast Point | Forecast Period | <<===== Drier ===== Future Conditions ===== Wetter =====>> | | | | 30-Yr Avg. (1000AF) | | |
|-------------------------------------|-----------------|--|-----------------|---|-----|------------------------|-----------------|-----------------|
| | | 90% (1000AF) | 70% (1000AF) | Chance Of Exceeding * 50% (1000AF) (% AVG.) | | | 30% (1000AF) | 10% (1000AF) |
| Crane Prairie Reservoir Inflow (2) | FEB-JUL | 62 | 72 | 79 | 101 | 86 | 96 | 78 |
| | APR-JUL | 46 | 53 | 58 | 98 | 63 | 70 | 59 |
| | FEB-SEP | 90 | 103 | 112 | 100 | 121 | 134 | 112 |
| | APR-SEP | 71 | 82 | 90 | 97 | 98 | 109 | 93 |
| Crescent Ck nr Crescent (2) | FEB-JUL | 10.9 | 17.5 | 22 | 96 | 26 | 33 | 23 |
| | APR-JUL | 7.7 | 12.8 | 16.3 | 95 | 19.8 | 25 | 17.2 |
| | FEB-SEP | 14.4 | 21 | 26 | 96 | 31 | 38 | 27 |
| | APR-SEP | 11.1 | 16.4 | 20 | 95 | 24 | 29 | 21 |
| Deschutes R at Benham Falls nr Bend | FEB-JUL | 430 | 470 | 495 | 99 | 520 | 560 | 500 |
| | APR-JUL | 305 | 325 | 340 | 97 | 355 | 375 | 350 |
| | FEB-SEP | 590 | 640 | 670 | 99 | 700 | 750 | 680 |
| | APR-SEP | 455 | 490 | 510 | 97 | 530 | 565 | 525 |
| Deschutes R bl Snow Ck nr La Pine | FEB-JUL | 32 | 40 | 45 | 100 | 50 | 58 | 45 |
| | APR-JUL | 24 | 29 | 33 | 100 | 37 | 42 | 33 |
| | FEB-SEP | 54 | 64 | 70 | 99 | 76 | 86 | 71 |
| | APR-SEP | 45 | 53 | 58 | 98 | 63 | 71 | 59 |
| Little Deschutes R nr La Pine (2) | FEB-JUL | 65 | 86 | 100 | 99 | 114 | 135 | 101 |
| | APR-JUL | 51 | 62 | 70 | 99 | 78 | 89 | 71 |
| | FEB-SEP | 70 | 92 | 108 | 98 | 124 | 146 | 110 |
| | APR-SEP | 55 | 69 | 78 | 98 | 87 | 101 | 80 |
| Ochoco Reservoir Inflow (2) | FEB-JUL | 24 | 33 | 40 | 93 | 47 | 56 | 43 |
| | APR-JUL | 12.2 | 18.0 | 22 | 100 | 26 | 32 | 22 |
| | FEB-SEP | 23 | 33 | 40 | 93 | 47 | 57 | 43 |
| | APR-SEP | 11.7 | 17.8 | 22 | 100 | 26 | 32 | 22 |
| Prineville Reservoir Inflow (2) | FEB-JUL | 93 | 154 | 195 | 88 | 235 | 295 | 221 |
| | APR-JUL | 39 | 74 | 98 | 91 | 122 | 157 | 108 |
| | FEB-SEP | 91 | 153 | 195 | 88 | 235 | 300 | 222 |
| | APR-SEP | 37 | 73 | 98 | 90 | 123 | 159 | 109 |
| Whychus Ck nr Sisters | FEB-JUL | 30 | 34 | 37 | 86 | 40 | 44 | 43 |
| | APR-JUL | 26 | 28 | 30 | 83 | 32 | 34 | 36 |
| | FEB-SEP | 38 | 43 | 47 | 87 | 51 | 56 | 54 |
| | APR-SEP | 35 | 39 | 41 | 84 | 43 | 47 | 49 |

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

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

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| UPPER DESCHUTES AND CROOKED BASINS Reservoir Storage (1000 AF) - End of January | | | | | UPPER DESCHUTES AND CROOKED BASINS Watershed Snowpack Analysis - February 1, 2009 | | | |
|--|-----------------|------------------------------|-----------|---------|--|----------------------|---------------------------|--------------|
| Reservoir | Usable Capacity | *** Usable Storage This Year | Last Year | *** Avg | Watershed | Number of Data Sites | This Year as % of Last Yr | % of Average |
| CRANE PRAIRIE | 55.3 | 44.7 | 43.2 | 39.6 | Crooked | 4 | 52 | 66 |
| CRESCENT LAKE | 86.9 | 63.1 | 46.7 | 49.1 | Little Deschutes | 4 | 65 | 95 |
| OCHOCO | 47.5 | 23.1 | 19.6 | 21.0 | Deschutes above Wickiup R | 4 | 65 | 101 |
| PRINEVILLE | 153.0 | 90.0 | 81.9 | 90.0 | Tumalo and Squaw Creeks | 4 | 67 | 92 |
| WICKIUP | 200.0 | 189.2 | 166.6 | 161.6 | | | | |

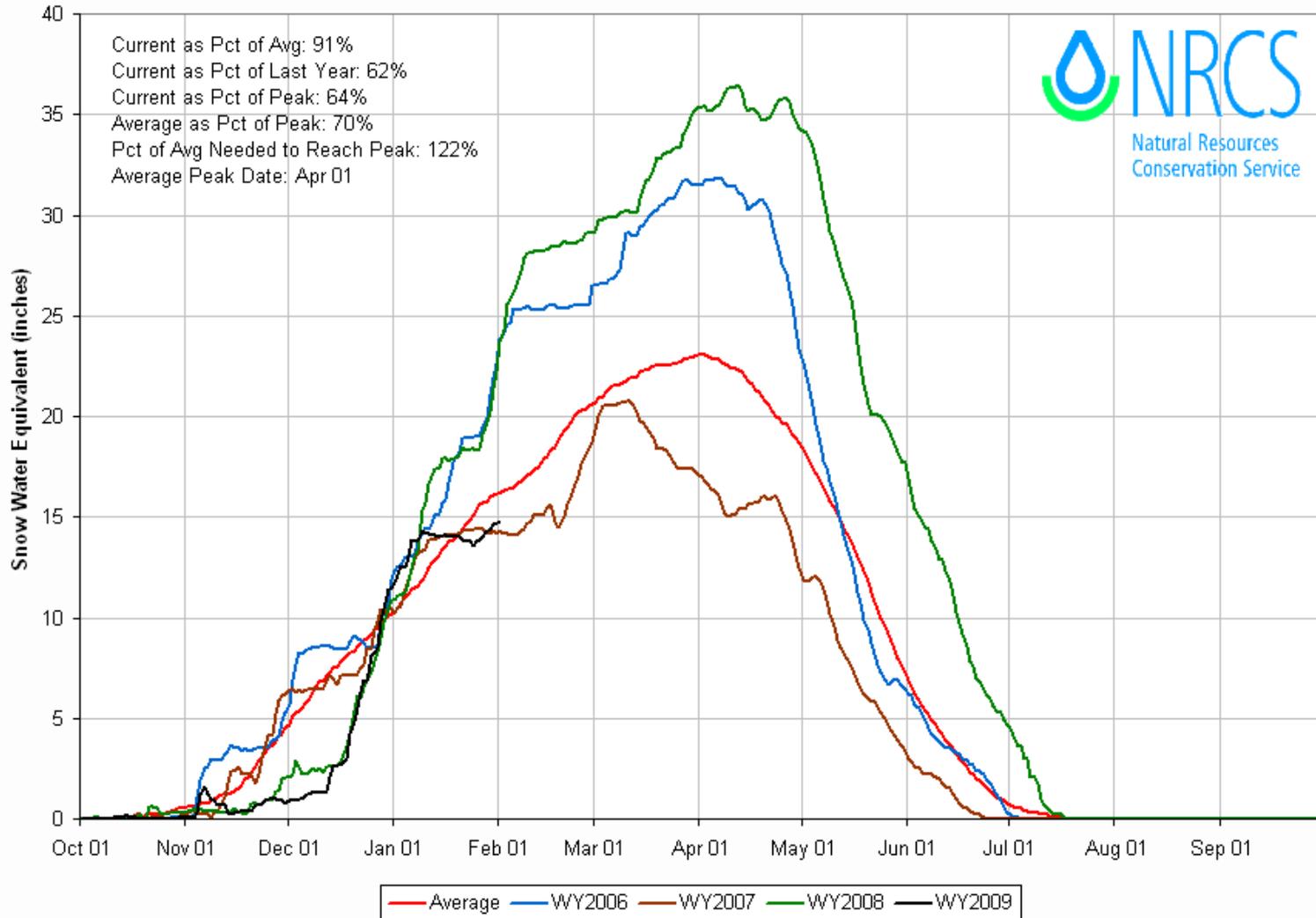
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

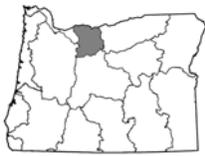
The average is computed for the 1971-2000 base period.

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

Upper Deschutes and Crooked Basins Time Series Snowpack Summary

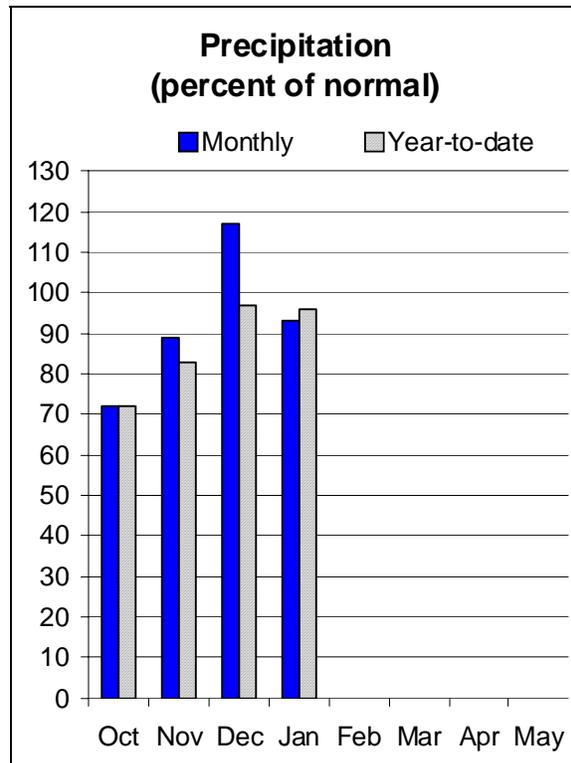
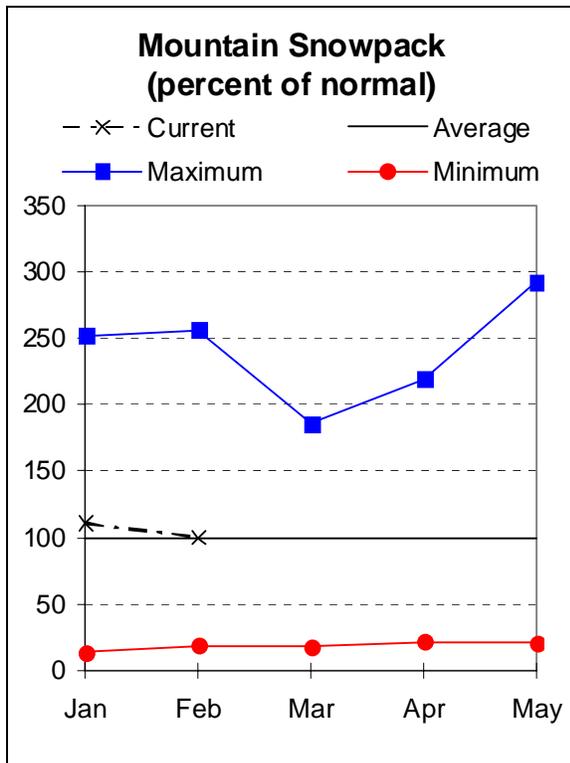
Based on Provisional SNOTEL data as of Feb 01, 2009





Hood, Mile Creeks, and Lower Deschutes Basins

February 1, 2009



Water Supply Outlook

As of February 1, the snowpack as measured at three snow courses and eight SNOTEL sites in the Hood, Mile Creeks and Lower Deschutes basins was 100 percent of average.

January precipitation in these basins was 93 percent of average. Since the beginning of the water year, precipitation in these basins has been 96 percent of average.

At the end of January, storage at Clear Lake reservoir in Wasco county was 141 percent of average or 44 percent of capacity.

The April through September streamflow forecast for Hood River at Tucker Bridge is 98 percent of average.

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

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

HOOD, MILE CREEKS AND LOWER DESCHUTES BASINS
Streamflow Forecasts - February 1, 2009

| Forecast Point | Forecast Period | <<===== Drier ===== Future Conditions ===== Wetter =====>> | | | | | 30-Yr Avg. (1000AF) | | | | | |
|-------------------------|-----------------|--|----------|----------|----------|----------|------------------------|----------|----------|----------|----------|----------|
| | | 90% | | 70% | | 50% | | 30% | | 10% | | |
| | | (1000AF) | (1000AF) | (1000AF) | (1000AF) | (% AVG.) | | (1000AF) | (1000AF) | (1000AF) | (1000AF) | (1000AF) |
| Hood R at Tucker Bridge | APR-JUL | 180 | 205 | 225 | 99 | 245 | 270 | 228 | | | | |
| | APR-SEP | 215 | 245 | 265 | 98 | 285 | 315 | 271 | | | | |

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, 2009

| Reservoir | Usable Capacity | *** Usable Storage *** | | | Watershed | Number of Data Sites | This Year as % of | |
|--------------------|-----------------|------------------------|-----------|-----|-------------|----------------------|-------------------|---------|
| | | This Year | Last Year | Avg | | | Last Yr | Average |
| CLEAR LAKE (WASCO) | 11.9 | 5.2 | 1.1 | 3.7 | Hood River | 7 | 62 | 102 |
| | | | | | Mile Creeks | 2 | 60 | 95 |
| | | | | | White River | 5 | 62 | 92 |

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

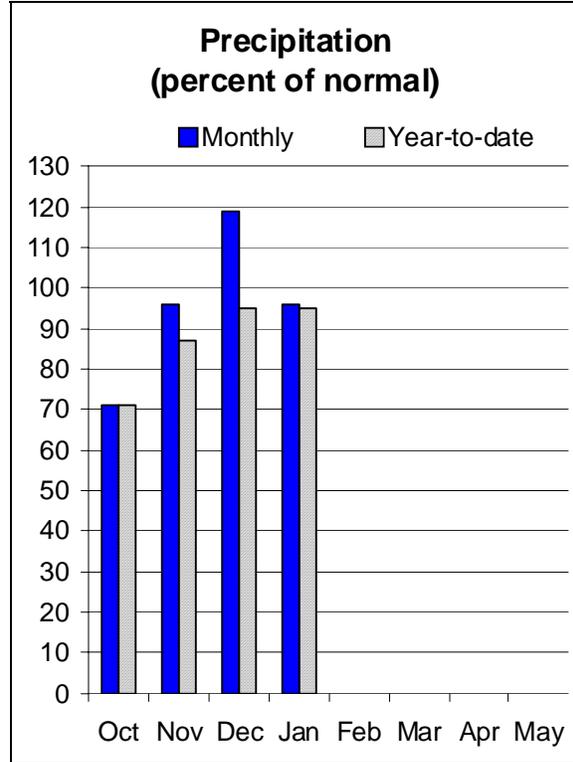
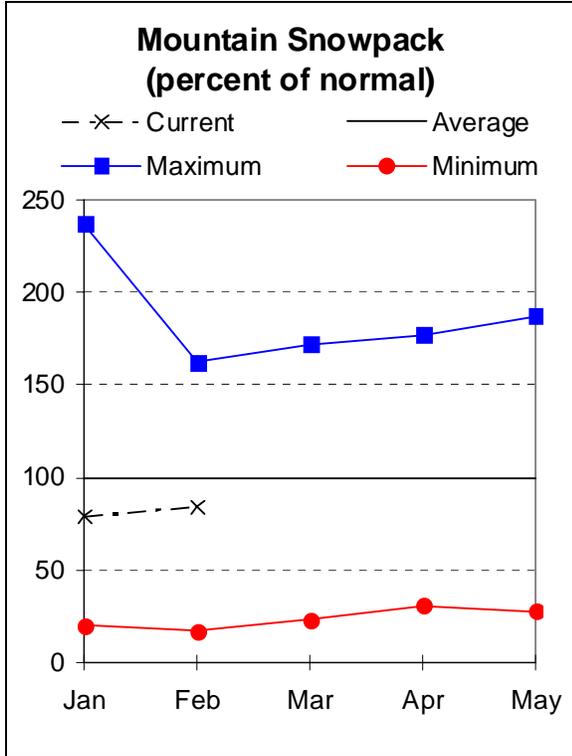
The average is computed for the 1971-2000 base period.

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



Lower Columbia Basin

February 1, 2009



Water Supply Outlook

As of February 1, the combined Columbia Basin snowpack above The Dalles was 84 percent of average. Last month, the snowpack was 79 percent of average. January precipitation was 96 percent of average. Since the beginning of the water year, basin precipitation has been 95 percent of average.

The April through September streamflow forecast for the Columbia at The Dalles is 86 percent of average.

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

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

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LOWER COLUMBIA BASIN
Streamflow Forecasts - February 1, 2009

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| Forecast Point | Forecast Period | <<===== Drier ===== Future Conditions ===== Wetter =====>> | | | | 30-Yr Avg. (1000AF) | | |
|------------------------------|-----------------|--|-----------------|--------------------------|-----------------|------------------------|-----------------|-------|
| | | ===== Chance Of Exceeding * ===== | | | | | | |
| | | 90% (1000AF) | 70% (1000AF) | 50% (1000AF) (% AVG.) | 30% (1000AF) | | 10% (1000AF) | |
| Columbia R at The Dalles (2) | APR-JUL | 53000 | 66300 | 72400 | 86 | 78500 | 91800 | 84600 |
| | APR-SEP | 61900 | 77400 | 84500 | 86 | 91600 | 107000 | 98600 |
| Sandy R nr Marmot | APR-JUL | 260 | 295 | 320 | 102 | 345 | 380 | 313 |
| | APR-SEP | 310 | 350 | 375 | 103 | 400 | 440 | 363 |

| LOWER COLUMBIA BASIN Reservoir Storage (1000 AF) - End of January | | | | | LOWER COLUMBIA BASIN Watershed Snowpack Analysis - February 1, 2009 | | | |
|--|-----------------|------------------------|-----------|-----|--|----------------------|-------------------|---------|
| Reservoir | Usable Capacity | *** Usable Storage *** | | | Watershed | Number of Data Sites | This Year as % of | |
| | | This Year | Last Year | Avg | | | Last Yr | Average |
| | | | | | Sandy | 8 | 55 | 110 |

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

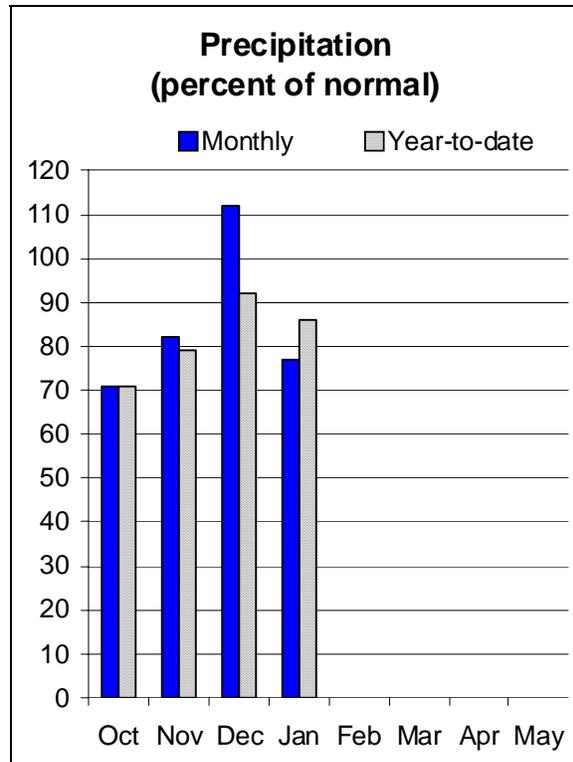
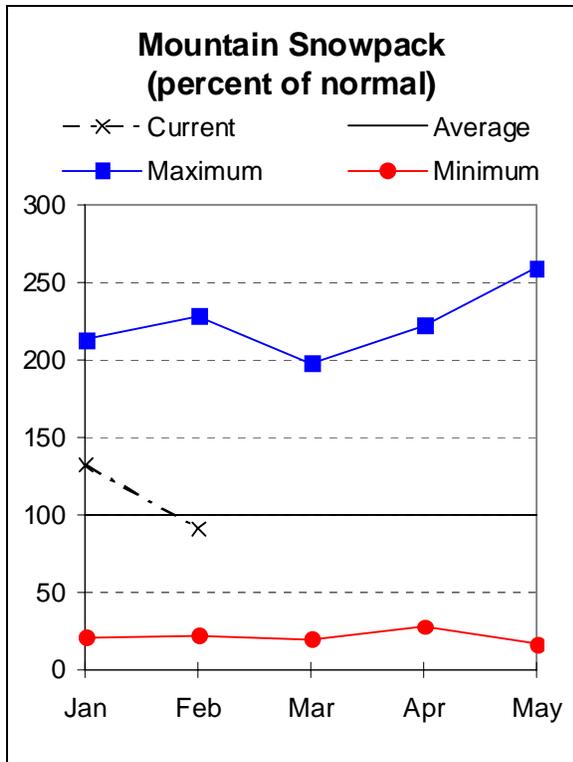
The average is computed for the 1971-2000 base period.

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



Willamette Basin

February 1, 2009



Water Supply Outlook

As of February 1, the snowpack as measured at three snow courses and 21 SNOTEL sites in the Willamette basin was 91 percent of average. This marks a significant decrease from the January 1 snowpack which was 132 percent of average.

January precipitation in the basin was 77 percent of average. Since the beginning of the water year, precipitation in the basin has been 86 percent of average.

At the end of January, storage at Henry Hagg and Timothy Lake reservoirs was near average. April through September streamflow forecasts in the Willamette basin range from 76 to 95 percent of average. At this point in the season, Willamette basin water users can anticipate somewhat less than normal summer streamflows.

For more information contact your local Natural Resources Conservation Service Office:
 Eugene - (541) 465-6436; Portland - (503) 231-2270; Tangent - (541) 967-5925; Oregon City - (503) 656-3499;
 Hillsboro - (503) 648-3174; McMinnville - (503) 472-1474
 Salem - (503) 399-5746; Dallas - (503) 623-5534
 Or visit: <http://www.wcc.nrcs.usda.gov/cgibin/bor.pl>

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WILLAMETTE BASIN
Streamflow Forecasts - February 1, 2009

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| Forecast Point | Forecast Period | <<===== Drier ===== Future Conditions ===== Wetter =====>> | | | | 30-Yr Avg. (1000AF) | | |
|---------------------------------|-----------------|--|-----------------|---|----|------------------------|-----------------|-----------------|
| | | 90% (1000AF) | 70% (1000AF) | Chance Of Exceeding * 50% (1000AF) (% AVG.) | | | 30% (1000AF) | 10% (1000AF) |
| Blue River Lake Inflow (1,2) | FEB-MAY | 114 | 142 | 155 | 95 | 168 | 196 | 163 |
| | APR-SEP | 44 | 67 | 77 | 90 | 87 | 110 | 86 |
| Clackamas R at Estacada (2) | APR-JUL | 425 | 510 | 565 | 88 | 620 | 705 | 640 |
| | APR-SEP | 515 | 600 | 660 | 88 | 720 | 805 | 748 |
| Clackamas R ab Three Lynx (2) | APR-JUL | 330 | 385 | 425 | 90 | 465 | 520 | 474 |
| | APR-SEP | 405 | 465 | 505 | 90 | 545 | 605 | 562 |
| Cottage Grove Lake Inflow (1,2) | FEB-MAY | 42 | 70 | 83 | 95 | 96 | 124 | 87 |
| | APR-SEP | 17.8 | 34 | 41 | 95 | 48 | 64 | 43 |
| Cougar Lake Inflow (1,2) | FEB-MAY | 215 | 260 | 280 | 98 | 300 | 345 | 285 |
| | APR-SEP | 156 | 193 | 210 | 91 | 225 | 265 | 230 |
| Detroit Lake Inflow (1,2) | FEB-MAY | 490 | 635 | 700 | 94 | 765 | 910 | 744 |
| | APR-JUL | 335 | 440 | 485 | 92 | 530 | 635 | 528 |
| | APR-SEP | 400 | 510 | 560 | 91 | 610 | 720 | 616 |
| Dorena Lake Inflow (1,2) | FEB-MAY | 140 | 215 | 250 | 98 | 285 | 360 | 255 |
| | APR-SEP | 54 | 97 | 116 | 95 | 135 | 178 | 122 |
| Fall Creek Lake Inflow (1,2) | FEB-MAY | 121 | 167 | 187 | 95 | 205 | 255 | 197 |
| Fern Ridge Lake Inflow (1,2) | FEB-MAY | 84 | 136 | 160 | 89 | 184 | 235 | 180 |
| | APR-SEP | 11.8 | 30 | 38 | 76 | 46 | 64 | 50 |
| Foster Lake Inflow (1,2) | FEB-MAY | 575 | 660 | 700 | 80 | 740 | 825 | 878 |
| | APR-JUL | 200 | 365 | 440 | 90 | 515 | 680 | 490 |
| | APR-SEP | 230 | 395 | 470 | 89 | 545 | 710 | 527 |
| Green Peter Lake Inflow (1,2) | FEB-MAY | 345 | 480 | 545 | 90 | 610 | 745 | 604 |
| | APR-JUL | 104 | 210 | 260 | 80 | 310 | 415 | 327 |
| | APR-SEP | 125 | 230 | 280 | 79 | 330 | 435 | 354 |
| Hills Creek Lake Inflow (1,2) | FEB-MAY | 190 | 285 | 330 | 85 | 375 | 470 | 388 |
| | APR-JUL | 132 | 210 | 245 | 88 | 280 | 360 | 277 |
| | APR-SEP | 184 | 250 | 280 | 88 | 310 | 375 | 320 |
| | JUN-OCT | 64 | 103 | 121 | 74 | 139 | 178 | 164 |

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* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.
(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

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WILLAMETTE BASIN
Streamflow Forecasts - February 1, 2009

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| Forecast Point | Forecast Period | <<===== Drier ===== Future Conditions ===== Wetter =====>> | | | | 30-Yr Avg. (1000AF) | | |
|--------------------------------------|-----------------|--|-----------------|-----------------------|----------|------------------------|-----------------|------|
| | | ===== | | Chance Of Exceeding * | | | ===== | |
| | | 90% (1000AF) | 70% (1000AF) | 50% (1000AF) | (% AVG.) | 30% (1000AF) | 10% (1000AF) | |
| Little North Santiam R nr Mehama (1) | APR-JUL | 64 | 98 | 113 | 85 | 128 | 162 | 133 |
| | APR-SEP | 69 | 104 | 120 | 84 | 136 | 171 | 143 |
| Lookout Point Lake Inflow (1,2) | FEB-MAY | 590 | 840 | 955 | 93 | 1070 | 1320 | 1025 |
| | APR-JUL | 415 | 575 | 650 | 90 | 725 | 885 | 726 |
| | APR-SEP | 480 | 665 | 745 | 90 | 825 | 1010 | 828 |
| | JUN-OCT | 162 | 270 | 320 | 80 | 370 | 480 | 402 |
| McKenzie R bl Trail Bridge (2) | APR-JUL | 200 | 220 | 235 | 88 | 250 | 270 | 266 |
| | APR-SEP | 310 | 335 | 350 | 87 | 365 | 390 | 404 |
| McKenzie R nr Vida (1,2) | APR-JUL | 645 | 815 | 890 | 91 | 965 | 1140 | 977 |
| | APR-SEP | 865 | 1020 | 1090 | 91 | 1160 | 1320 | 1201 |
| Mohawk R nr Springfield | FEB-JUL | 97 | 142 | 172 | 88 | 200 | 245 | 196 |
| Oak Grove Fork R ab Power Intake | APR-JUL | 88 | 102 | 112 | 86 | 122 | 136 | 130 |
| | APR-SEP | 117 | 133 | 144 | 86 | 155 | 171 | 167 |
| North Santiam R at Mehama (1,2) | APR-JUL | 445 | 595 | 660 | 90 | 725 | 875 | 732 |
| | APR-SEP | 520 | 680 | 750 | 90 | 820 | 980 | 834 |
| South Santiam R at Waterloo (2) | APR-JUL | 280 | 405 | 490 | 89 | 575 | 700 | 549 |
| | APR-SEP | 310 | 435 | 520 | 89 | 605 | 730 | 587 |
| Scoggins Ck nr Gaston (2) | FEB-JUL | 21 | 31 | 37 | 86 | 43 | 53 | 43 |
| Thomas Ck nr Scio | FEB-JUL | 77 | 112 | 135 | 78 | 158 | 193 | 173 |
| MF Willamette R bl NF (1,2) | FEB-MAY | 560 | 810 | 925 | 95 | 1040 | 1290 | 973 |
| | APR-JUL | 430 | 575 | 640 | 92 | 705 | 850 | 698 |
| | APR-SEP | 495 | 655 | 725 | 91 | 795 | 955 | 798 |
| | JUN-OCT | 175 | 270 | 315 | 81 | 360 | 455 | 391 |
| Willamette R at Salem (1,2) | FEB-MAY | 4400 | 6230 | 7060 | 90 | 7890 | 9720 | 7837 |
| | APR-JUL | 2200 | 3380 | 3900 | 90 | 4440 | 5620 | 4347 |
| | APR-SEP | 2640 | 3790 | 4300 | 90 | 4850 | 6000 | 4804 |

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table. The average is computed for the 1971-2000 base period.

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

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

| WILLAMETTE BASIN Reservoir Storage (1000 AF) - End of January | | | | | WILLAMETTE BASIN Watershed Snowpack Analysis - February 1, 2009 | | | |
|--|-----------------|------------------------------|-----------|---------|--|----------------------|---------------------------|--------------|
| Reservoir | Usable Capacity | *** Usable Storage This Year | Last Year | *** Avg | Watershed | Number of Data Sites | This Year as % of Last Yr | % of Average |
| BLUE RIVER | 85.5 | 1.2 | 1.4 | 6.0 | Clackamas | 5 | 46 | 92 |
| COTTAGE GROVE | 29.8 | 0.8 | 3.2 | 3.6 | McKenzie | 8 | 56 | 92 |
| COUGAR | 155.2 | 18.6 | 6.9 | 77.6 | Row River | 1 | 49 | 80 |
| DETROIT | 300.7 | 24.9 | 16.6 | 69.0 | Santiam | 6 | 40 | 79 |
| DORENA | 70.5 | 2.3 | 3.3 | 11.8 | Middle Fork Willamette | 7 | 61 | 96 |
| FALL CREEK | 115.5 | 0.0 | 1.8 | 7.1 | | | | |
| FERN RIDGE | 109.6 | 1.0 | 6.5 | 18.6 | | | | |
| FOSTER | 29.7 | 0.2 | 2.5 | 4.9 | | | | |
| GREEN PETER | 268.2 | 29.3 | 7.5 | 91.2 | | | | |
| HILLS CREEK | 200.2 | 30.1 | 10.7 | 71.3 | | | | |
| LOOKOUT POINT | 337.0 | 39.7 | 21.4 | 41.8 | | | | |
| TIMOTHY LAKE | 61.7 | 53.5 | 44.7 | 49.9 | | | | |
| HENRY HAGG LAKE | 53.0 | 37.3 | 36.3 | 36.2 | | | | |

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

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

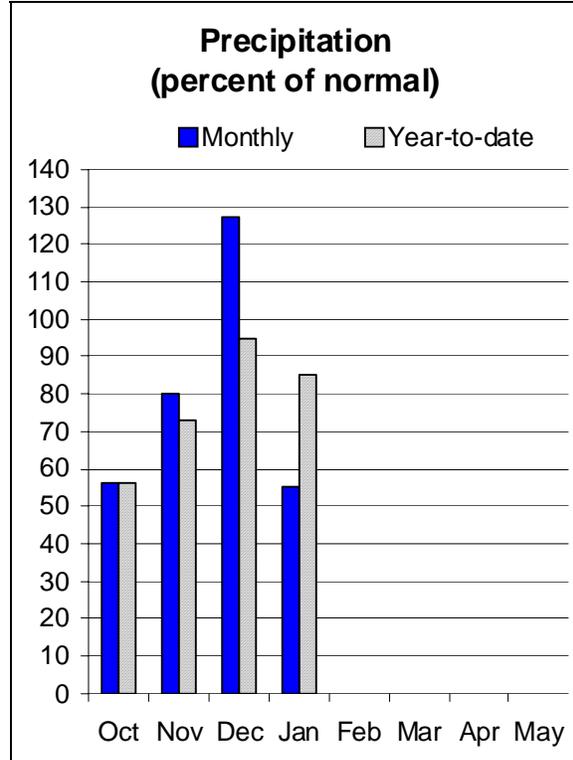
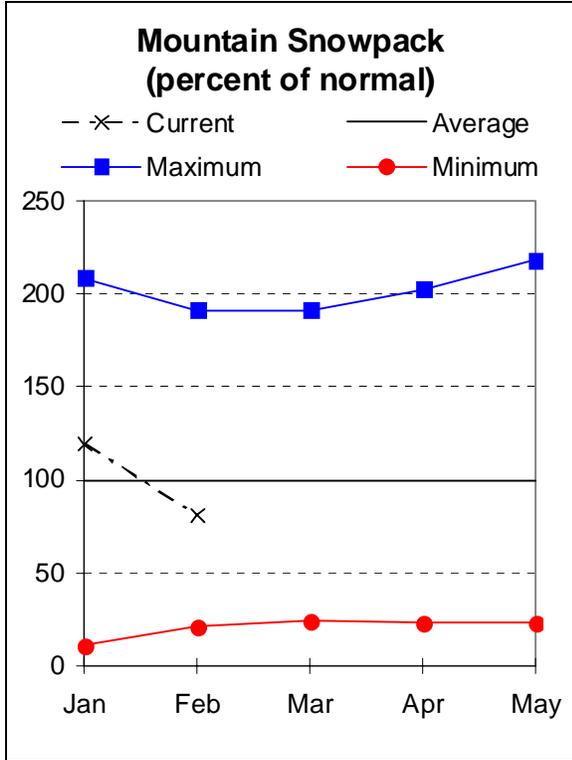
(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

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



Rogue and Umpqua Basins

February 1, 2009



Water Supply Outlook

As of February 1, the snowpack as measured at 16 snow courses and 10 SNOTEL sites in the Rogue and Umpqua basins was 81 percent of average. This marks a significant decrease from the 123 percent of average snowpack measured on January 1.

January precipitation in these basins was 55 percent of average. Since the beginning of the water year, precipitation in the basin has been 85 percent of average.

At the end of January, storage at five basin reservoirs was 114 percent of average or 70 percent of capacity. April through September streamflow forecasts for the basin range from 60 to 106 percent of average. Some water users in the basin may anticipate reduced water availability this coming summer.

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

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ROGUE AND UMPQUA BASINS
Streamflow Forecasts - February 1, 2009

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| Forecast Point | Forecast Period | <<===== Drier ===== Future Conditions ===== Wetter =====>> | | | | 30-Yr Avg. (1000AF) | | |
|-------------------------------------|-----------------|--|-----------------|---|-----|------------------------|-----------------|-----------------|
| | | 90% (1000AF) | 70% (1000AF) | Chance Of Exceeding * 50% (1000AF) (% AVG.) | | | 30% (1000AF) | 10% (1000AF) |
| Applegate Lake Inflow (2) | FEB-JUL | 22 | 83 | 125 | 61 | 167 | 230 | 205 |
| | APR-JUL | 17.0 | 47 | 67 | 60 | 87 | 117 | 112 |
| | FEB-SEP | 27 | 89 | 131 | 61 | 173 | 235 | 215 |
| | APR-SEP | 19.0 | 50 | 71 | 60 | 92 | 123 | 119 |
| SF Big Butte Ck nr Butte Falls | APR-JUL | 23 | 30 | 35 | 103 | 40 | 47 | 34 |
| | APR-SEP | 30 | 39 | 45 | 103 | 51 | 60 | 44 |
| Cow Ck nr Azalea (2) | FEB-JUL | 7.5 | 24 | 35 | 83 | 46 | 62 | 42 |
| | APR-JUL | 3.2 | 9.8 | 14.3 | 87 | 18.8 | 25 | 16.5 |
| | APR-SEP | 3.6 | 10.5 | 15.2 | 86 | 19.9 | 27 | 17.7 |
| Hyatt Prairie Reservoir Inflow (2) | APR-JUL | 1.0 | 2.8 | 4.0 | 83 | 5.2 | 7.0 | 4.8 |
| Illinois R at Kerby | APR-JUL | 23 | 87 | 131 | 73 | 175 | 240 | 179 |
| | APR-SEP | 26 | 91 | 135 | 73 | 179 | 245 | 186 |
| NF Little Butte Ck nr Lakecreek (2) | APR-JUL | 23 | 29 | 33 | 104 | 37 | 43 | 32 |
| | APR-SEP | 36 | 44 | 49 | 106 | 54 | 62 | 46 |
| Lost Creek Lake Inflow (2) | FEB-JUL | 585 | 695 | 770 | 93 | 845 | 955 | 825 |
| | APR-JUL | 375 | 450 | 500 | 94 | 550 | 625 | 530 |
| | FEB-SEP | 690 | 810 | 895 | 93 | 980 | 1100 | 960 |
| | APR-SEP | 480 | 565 | 625 | 94 | 685 | 770 | 665 |
| Rogue R at Raygold (2) | APR-JUL | 405 | 550 | 650 | 89 | 750 | 895 | 730 |
| | APR-SEP | 530 | 685 | 790 | 89 | 895 | 1050 | 890 |
| Rogue R at Grants Pass (2) | APR-JUL | 405 | 570 | 680 | 92 | 790 | 955 | 740 |
| | APR-SEP | 510 | 690 | 810 | 92 | 930 | 1110 | 885 |

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

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

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

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

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ROGUE AND UMPQUA BASINS
Streamflow Forecasts - February 1, 2009

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| Forecast Point | Forecast Period | <<===== Drier ===== Future Conditions ===== Wetter =====>> | | | | | | 30-Yr Avg. (1000AF) |
|--------------------------------------|-----------------|--|----------|----------|----------|----------|----------|------------------------|
| | | 90% | | 50% | | 30% | | |
| | | (1000AF) | (1000AF) | (1000AF) | (% AVG.) | (1000AF) | (1000AF) | |
| Sucker Ck bl Lt1 Grayback Ck nr Holl | APR-JUL | 14.1 | 26 | 34 | 65 | 42 | 54 | 52 |
| | APR-SEP | 16.6 | 29 | 37 | 66 | 45 | 57 | 56 |
| North Umpqua R at Winchester | APR-JUL | 500 | 650 | 750 | 94 | 850 | 1000 | 795 |
| | APR-SEP | 600 | 760 | 865 | 94 | 970 | 1130 | 920 |
| South Umpqua R nr Brockway | APR-JUL | 170 | 290 | 375 | 94 | 460 | 580 | 400 |
| | APR-SEP | 180 | 305 | 390 | 93 | 475 | 600 | 420 |
| South Umpqua R at Tiller | APR-JUL | 95 | 146 | 181 | 94 | 215 | 265 | 193 |
| | APR-SEP | 103 | 155 | 190 | 93 | 225 | 275 | 205 |

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ROGUE AND UMPQUA BASINS
Reservoir Storage (1000 AF) - End of January

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ROGUE AND UMPQUA BASINS
Watershed Snowpack Analysis - February 1, 2009

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| Reservoir | Usable Capacity | *** Usable Storage *** | | | Watershed | Number of Data Sites | This Year as % of | |
|----------------|-----------------|------------------------|-----------|-------|--------------------------|----------------------|-------------------|---------|
| | | This Year | Last Year | Avg | | | Last Yr | Average |
| APPLEGATE | 75.2 | 0.9 | 1.5 | 12.7 | Applegate | 5 | 33 | 51 |
| EMIGRANT LAKE | 39.0 | 21.3 | 21.8 | 21.9 | Bear Creek | 5 | 33 | 51 |
| FISH LAKE | 8.0 | 6.4 | 4.8 | 5.3 | Little Butte Creek | 6 | 67 | 100 |
| FOURMILE LAKE | 16.1 | 11.3 | 9.7 | 9.0 | Illinois | 4 | 34 | 36 |
| HOWARD PRAIRIE | 60.0 | 43.9 | 44.2 | 39.1 | North Umpqua | 6 | 40 | 92 |
| HYATT PRAIRIE | 16.1 | 14.3 | 13.8 | 10.2 | Rogue River above Grants | 21 | 54 | 79 |
| LOST CREEK | 315.0 | 25.4 | 20.5 | 162.0 | | | | |

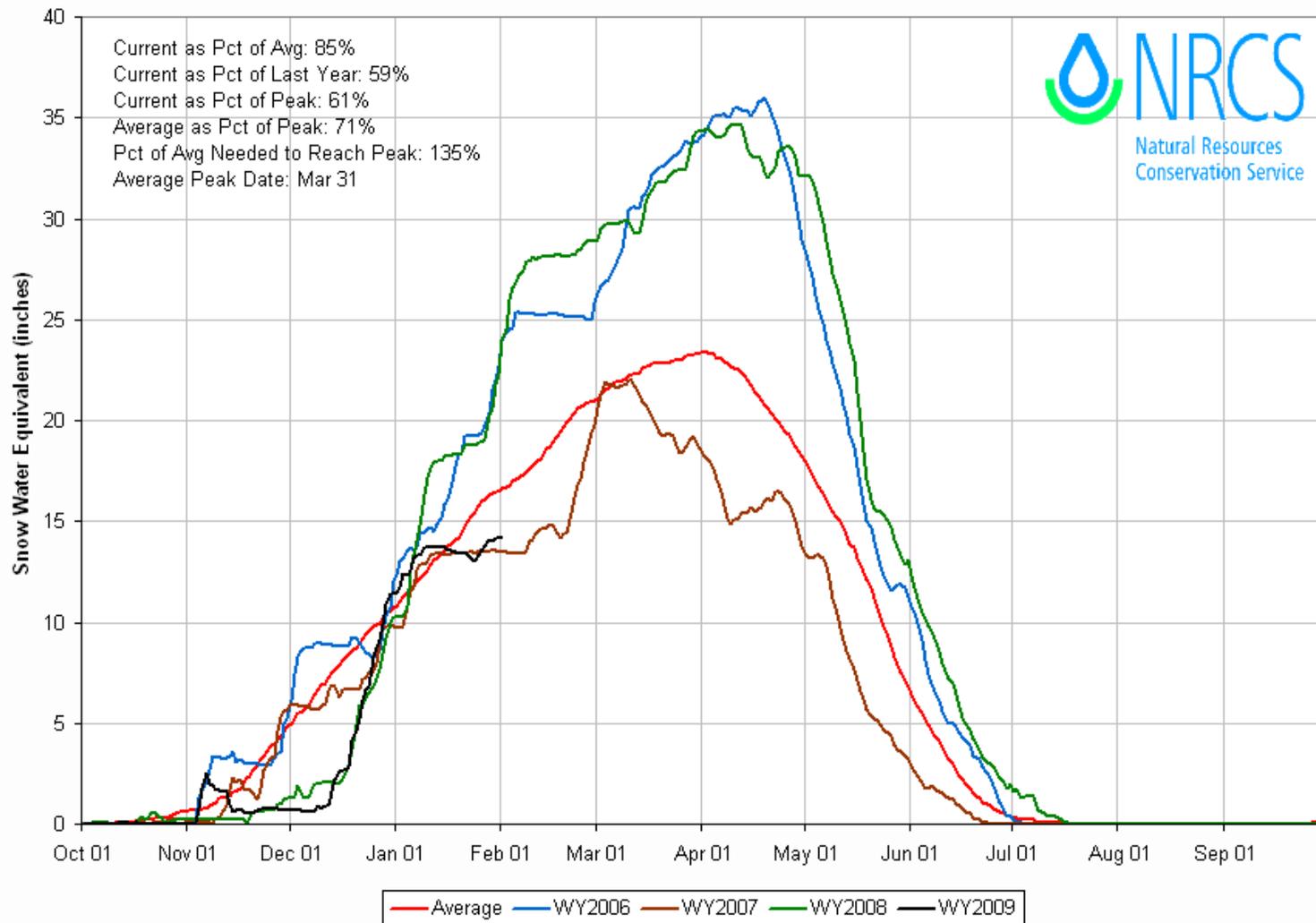
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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

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

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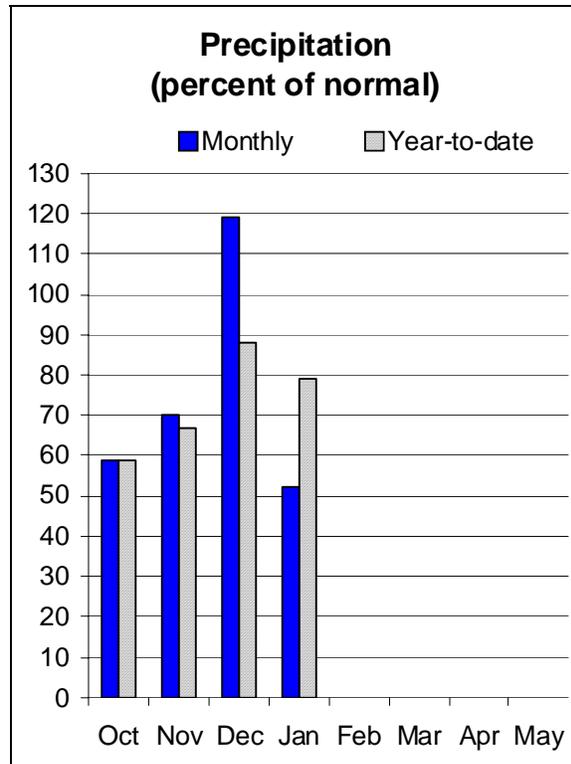
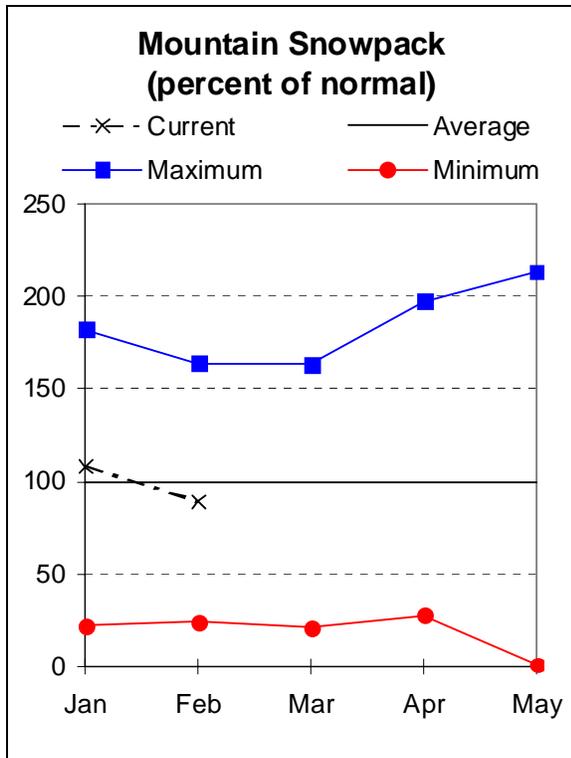
Rogue and Umpqua Basins
Time Series Snowpack Summary
Based on Provisional SNOTEL data as of Feb 01, 2009





Klamath Basin

February 1, 2009



Water Supply Outlook

As of February 1, the snowpack as measured at six snow courses, 16 SNOTEL sites and seven aerial markers in the Klamath basin was 89 percent of average. In contrast, the January 1 snowpack measured 103 percent of average.

January precipitation in the basin was well below normal at 52 percent of average. Since the beginning of the water year, precipitation in the basin has been 79 percent of average.

At the end of January, storage at 3 Klamath basin reservoirs was 67 percent of average or 36 percent of capacity. The April through September streamflow forecasts for the Klamath basin range from 62 to 75 percent of average. Water supply forecasts for the April through September period reflect the decline in snowpack from January to February. At this point in the season water users in the Klamath basin may anticipate reduced water availability this coming summer.

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

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

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KLAMATH BASIN
Streamflow Forecasts - February 1, 2009

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| Forecast Point | Forecast Period | <<===== Drier ===== Future Conditions ===== Wetter =====>> | | | | | 30-Yr Avg. (1000AF) | |
|--------------------------------------|-----------------|--|-----------------|-----------------------|----------|-----------------|------------------------|-----------------|
| | | ===== | | Chance Of Exceeding * | | ===== | | |
| | | 90% (1000AF) | 70% (1000AF) | 50% (1000AF) | (% AVG.) | 30% (1000AF) | | 10% (1000AF) |
| Clear Lake Inflow (2) | FEB-JUL | 3.0 | 41 | 66 | 63 | 91 | 129 | 105 |
| | APR-SEP | 5.8 | 20 | 30 | 63 | 40 | 54 | 48 |
| Gerber Reservoir Inflow (2) | FEB-JUL | 1.3 | 17.8 | 29 | 62 | 40 | 57 | 47 |
| | APR-SEP | 1.0 | 4.7 | 11.0 | 62 | 17.3 | 26 | 17.8 |
| Sprague R nr Chiloquin | FEB-JUL | 77 | 150 | 200 | 62 | 250 | 325 | 325 |
| | FEB-SEP | 92 | 168 | 220 | 63 | 270 | 350 | 349 |
| | APR-SEP | 60 | 111 | 145 | 63 | 179 | 230 | 230 |
| Upper Klamath Lake Inflow (1,2) | FEB-JUL | 285 | 480 | 570 | 73 | 660 | 855 | 780 |
| | FEB-SEP | 330 | 545 | 640 | 73 | 735 | 950 | 875 |
| | APR-SEP | 205 | 320 | 375 | 73 | 430 | 545 | 515 |
| Williamson R bl Sprague R nr Chiloqu | FEB-JUL | 235 | 330 | 390 | 75 | 450 | 545 | 520 |
| | FEB-SEP | 270 | 370 | 435 | 75 | 500 | 600 | 582 |
| | APR-SEP | 185 | 250 | 290 | 75 | 330 | 395 | 385 |

| KLAMATH BASIN Reservoir Storage (1000 AF) - End of January | | | | | KLAMATH BASIN Watershed Snowpack Analysis - February 1, 2009 | | | |
|---|-----------------|------------------------|-----------|-------|---|----------------------|-------------------|---------|
| 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 | 79.8 | 88.7 | 207.8 | Lost | 3 | 56 | 104 |
| GERBER | 94.3 | 44.5 | 43.4 | 46.9 | Sprague | 9 | 74 | 81 |
| UPPER KLAMATH LAKE | 523.7 | 281.0 | 267.8 | 354.6 | Upper Klamath Lake | 7 | 71 | 86 |
| | | | | | Williamson River | 5 | 71 | 84 |

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

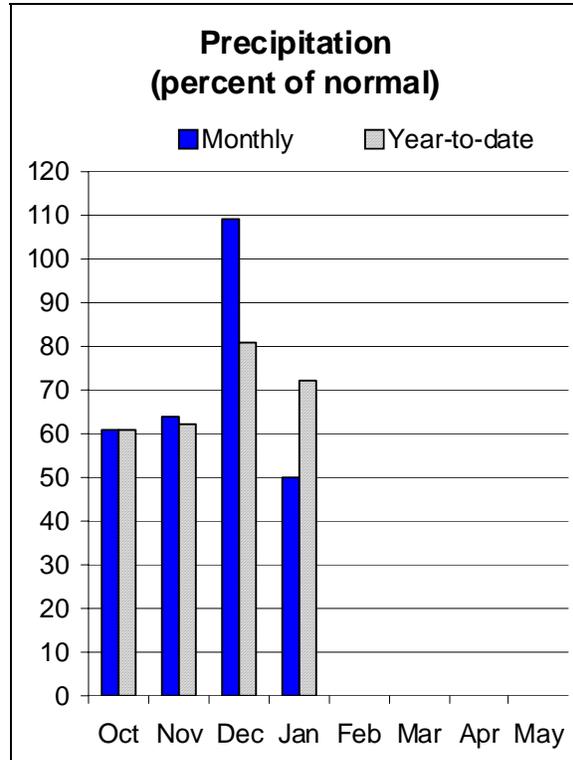
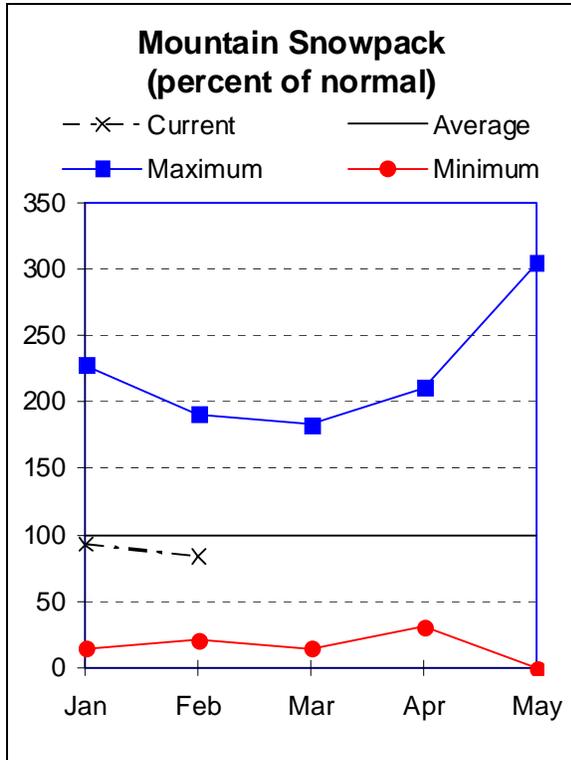
The average is computed for the 1971-2000 base period.

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



Lake County and Goose Lake

February 1, 2009



Water Supply Outlook

As of February 1, the snowpack as measured at one snow course, nine SNOTEL sites and 14 aerial markers in the Lake County and Goose Lake basins was 84 percent of average. In contrast, the January 1 snowpack measured 97 percent of average.

January precipitation in the basin was 50 percent of average. Since the beginning of the water year, precipitation in the basin has been 72 percent of average, the lowest in the state.

At the end of January, storage at two Lake County and Goose Lake basin reservoirs was 31 percent of average or 16 percent of capacity. April through September streamflow forecasts for the basin range from 80 to 85 percent of average. Water users in the basin may anticipate reduced water availability this coming summer.

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

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

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LAKE COUNTY AND GOOSE LAKE BASINS
Streamflow Forecasts - February 1, 2009

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| Forecast Point | Forecast Period | <<===== Drier ===== Future Conditions ===== Wetter =====>> | | | | | 30-Yr Avg. (1000AF) | |
|------------------------------|-----------------|--|----------|----------|----------|------|------------------------|------|
| | | ===== Chance Of Exceeding * ===== | | | | 30% | | 10% |
| | | 90% | 70% | 50% | (% AVG.) | | | |
| (1000AF) | (1000AF) | (1000AF) | (% AVG.) | (1000AF) | (1000AF) | | | |
| Chewaucan R nr Paisley | MAR-JUL | 43 | 61 | 73 | 82 | 85 | 103 | 89 |
| | APR-SEP | 38 | 53 | 64 | 82 | 75 | 90 | 78 |
| Deep Ck ab Adel | MAR-JUL | 35 | 54 | 67 | 80 | 80 | 99 | 84 |
| | APR-SEP | 28 | 44 | 55 | 80 | 66 | 82 | 69 |
| Honey Ck nr Plush | MAR-JUL | 4.2 | 11.3 | 16.2 | 81 | 21 | 28 | 20 |
| | APR-SEP | 3.1 | 9.2 | 13.4 | 81 | 17.6 | 24 | 16.6 |
| Silver Ck nr Silver Lake (2) | MAR-JUL | 4.1 | 9.0 | 12.4 | 85 | 15.8 | 21 | 14.6 |
| | APR-SEP | 0.6 | 5.9 | 9.5 | 85 | 13.1 | 18.4 | 11.2 |
| Twentymile Ck nr Adel | MAR-JUL | 1.5 | 12.8 | 22 | 79 | 31 | 45 | 28 |
| | APR-SEP | 1.0 | 7.2 | 14.0 | 81 | 21 | 31 | 17.4 |

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

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LAKE COUNTY AND GOOSE LAKE BASINS
Watershed Snowpack Analysis - February 1, 2009

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| Reservoir | Usable Capacity | *** Usable Storage *** | | | Watershed | Number of Data Sites | This Year as % of | |
|------------|-----------------|------------------------|-----------|------|-------------------------|----------------------|-------------------|---------|
| | | This Year | Last Year | Avg | | | Last Yr | Average |
| COTTONWOOD | 8.7 | 63.0 | 5.3 | 3.1 | Chewaucan River | 6 | 69 | 73 |
| DREWS | 63.0 | 5.0 | 10.2 | 33.1 | Deep Creek | 3 | 90 | 96 |
| | | | | | Drew Creek | 4 | 71 | 77 |
| | | | | | Honey Creek | 3 | 53 | 86 |
| | | | | | Silver Creek (Lake Co.) | 5 | 83 | 86 |
| | | | | | Twentymile Creek | 5 | 102 | 104 |

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

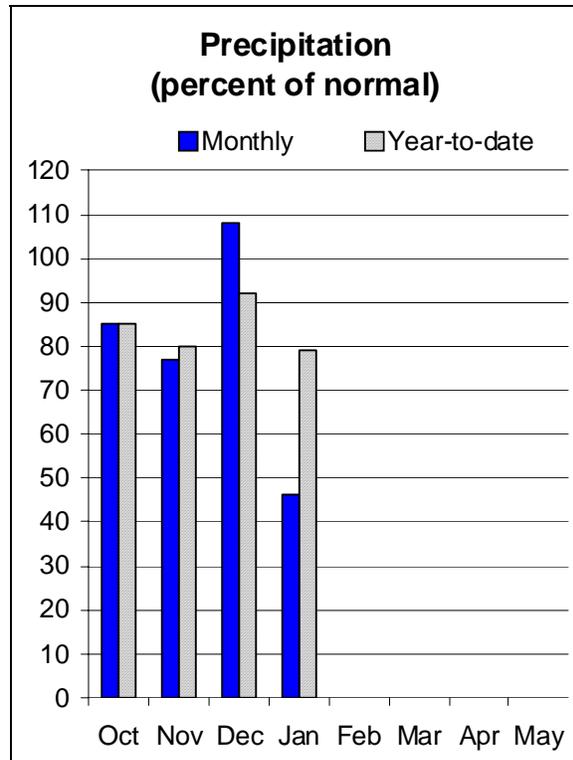
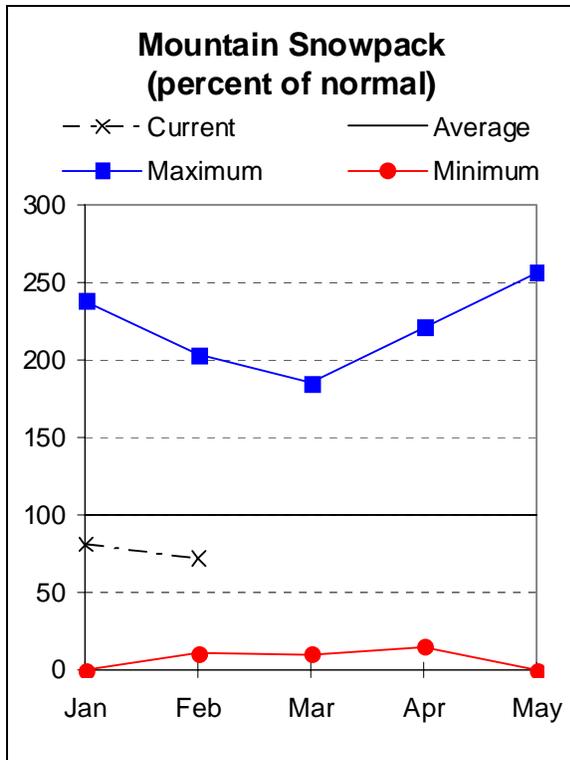
The average is computed for the 1971-2000 base period.

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



Harney Basin

February 1, 2009



Water Supply Outlook

As of February 1, the snowpack as measured at 9 SNOTEL sites and 9 aerial markers in the Harney basin was 72 percent of average, the lowest in the state.

January precipitation in the basin was 46 percent of average, the lowest for the state. Since the beginning of the water year, precipitation in the basin has been 79 percent of average.

April through September streamflow forecasts for the basin range from 81 to 88 percent of average. Water users in the basin may anticipate reduced water availability this coming summer.

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

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

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HARNEY BASIN
Streamflow Forecasts - February 1, 2009

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| Forecast Point | Forecast Period | <<===== Drier ===== Future Conditions ===== Wetter =====>> | | | | 30-Yr Avg. (1000AF) | | |
|------------------------------------|-----------------|--|-----------------|-----------------------|----------|------------------------|-----------------|-----------------|
| | | ===== | | Chance Of Exceeding * | | | ===== | |
| | | 90% (1000AF) | 70% (1000AF) | 50% (1000AF) | (% AVG.) | | 30% (1000AF) | 10% (1000AF) |
| Donner Und Blitzen R nr Frenchglen | MAR-JUL | 33 | 52 | 64 | 85 | 76 | 95 | 75 |
| | APR-SEP | 29 | 48 | 60 | 86 | 72 | 91 | 70 |
| Silvies R nr Burns | MAR-JUL | 30 | 75 | 105 | 81 | 135 | 180 | 129 |
| | APR-SEP | 25 | 58 | 80 | 81 | 102 | 135 | 99 |
| Trout Ck nr Denio | MAR-JUL | 4.4 | 7.6 | 9.8 | 88 | 12.0 | 15.2 | 11.1 |
| | APR-SEP | 3.6 | 6.9 | 9.1 | 88 | 11.3 | 14.6 | 10.3 |

| HARNEY BASIN Reservoir Storage (1000 AF) - End of January | | | | | HARNEY BASIN Watershed Snowpack Analysis - February 1, 2009 | | | |
|--|-----------------|------------------------|-----------|-----|--|----------------------|-------------------|---------|
| Reservoir | Usable Capacity | *** Usable Storage *** | | | Watershed | Number of Data Sites | This Year as % of | |
| | | This Year | Last Year | Avg | | | Last Yr | Average |
| | | | | | Donner und Blitzen River | 4 | 64 | 73 |
| | | | | | Silver Creek (Harney Co.) | 2 | 74 | 81 |
| | | | | | Silvies River | 6 | 55 | 69 |
| | | | | | Trout Creek | 7 | 68 | 77 |

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

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

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

Recession Forecasts for Oregon

NEW – Changes to Low Flow and Peak Flow Forecasts

Recession flow forecasts will be presented in a new format starting this year. Each forecast provides a range of possible outcomes representing the uncertainty of forecasting models. Forecast models have been redeveloped using post 1970 data and as a result average values have changed from previous years. The recession flow forecasts use exceedance probabilities in a format similar to the standard water supply forecasts presented in this document.

The types of forecasts in the table below are:

- 1) Threshold flow -- Date that the daily streamflow rate falls below the given threshold flow
- 2) Peak flow -- Maximum daily flow
- 3) Date of peak flow -- Date of occurrence of maximum daily flow
- 4) Average daily flow on a given date

Forecasts are included at key streamflow sites within the state that have reliable daily streamflow data. If you have questions, comments, or concerns about changes to forecasts, please contact the Snow Survey Data Collection Office.

| OWYHEE AND MALHEUR BASINS | | | | | |
|---------------------------|--------------------|--|--------|--------|----------------------------|
| FORECAST POINT | FORECAST THRESHOLD | FORECAST VALUE ----- CHANCE OF EXCEEDING ----- ----- | | | LONG-TERM AVERAGE VALUE |
| | | 90% | 50% | 10% | |
| Owyhee R nr Rome | 2000 cfs | Mar 16 | Apr 26 | Jun 6 | May 6 |
| Owyhee R nr Rome | 1000 cfs | Mar 22 | May 4 | Jun 16 | May 18 |
| Owyhee R nr Rome | 500 cfs | Apr 10 | May 21 | Jul 1 | Jun 2 |

| UPPER JOHN DAY BASIN | | | | | |
|-----------------------------|--------------------------------|--|-----|-----|----------------------------|
| FORECAST POINT | FORECAST THRESHOLD | FORECAST VALUE ----- CHANCE OF EXCEEDING ----- ----- | | | LONG-TERM AVERAGE VALUE |
| | | 90% | 50% | 10% | |
| John Day R at Service Creek | Average Daily Flow on Aug. 1st | 30 | 255 | 480 | 271 |

| UPPER DESCHUTES AND CROOKED BASINS | | | | | |
|------------------------------------|--------------------------------|--|--------|--------|----------------------------|
| FORECAST POINT | FORECAST THRESHOLD | FORECAST VALUE ----- CHANCE OF EXCEEDING ----- ----- | | | LONG-TERM AVERAGE VALUE |
| | | 90% | 50% | 10% | |
| Crane Prairie Inflow | Date of Peak * | May 9 | May 25 | Jun 10 | May 25 |
| Crane Prairie Inflow | Peak Flow | 303 | 455 | 607 | 403 |
| Crane Prairie Inflow | Average Daily Flow on Oct. 1st | 192 | 265 | 338 | 269 |
| Prineville Reservoir Inflow | 113 cfs | May 5 | May 30 | Jun 24 | Jun 3 |
| Prineville Reservoir Inflow | 75 cfs | May 9 | Jun 3 | Jun 28 | Jun 11 |
| Prineville Reservoir Inflow | 50 cfs | May 15 | Jun 10 | Jul 6 | Jun 19 |
| Whychus Creek nr Sisters | 100 cfs | Jul 17 | Aug 13 | Sep 9 | Aug 16 |

* Crane Prairie date of peak -- no prediction possible until April. Historical values shown.

| ROGUE AND UMPQUA BASINS | | | | | |
|--------------------------------|---------------------------|---|--------|--------|------------------------------------|
| <i>FORECAST POINT</i> | <i>FORECAST THRESHOLD</i> | <i>FORECAST VALUE ----- CHANCE OF EXCEEDING ----- -----</i> | | | <i>LONG-TERM AVERAGE VALUE</i> |
| | | 90% | 50% | 10% | |
| South Umpqua R nr Brockway * | 90 cfs | Jul 17 | Aug 4 | Aug 22 | Aug 8 |
| South Umpqua R at Tiller | 140 cfs | Jun 17 | Jul 9 | Jul 31 | Jul 11 |
| South Umpqua R at Tiller | 90 cfs | Jul 6 | Jul 29 | Aug 21 | Aug 1 |
| South Umpqua R at Tiller | 60 cfs | Jul 30 | Aug 29 | Sep 28 | Aug 28 |

*Data values were internally adjusted for releases from Galesville Reservoir and do not match observed gage data.

| LAKE COUNTY AND GOOSE LAKE BASINS | | | | | |
|--|---------------------------|---|--------|--------|------------------------------------|
| <i>FORECAST POINT</i> | <i>FORECAST THRESHOLD</i> | <i>FORECAST VALUE ----- CHANCE OF EXCEEDING ----- -----</i> | | | <i>LONG-TERM AVERAGE VALUE</i> |
| | | 90% | 50% | 10% | |
| Deep Ck ab Adel | 100 cfs | May 18 | Jun 7 | Jun 27 | Jun17 |
| Honey Ck nr Plush | 100 cfs | Apr 5 | May 10 | Jun 14 | May 16 |
| Honey Ck nr Plush | 50 cfs | Apr 23 | May 25 | Jun 26 | Jun 4 |
| Twentymile Ck nr Adel | 50 cfs | Apr 11 | May 11 | Jun 10 | May 30 |
| Twentymile Ck nr Adel | 10 cfs | Jun 4 | Jun 27 | Jul 20 | Jul 7 |

| HARNEY BASIN | | | | | |
|------------------------------------|---------------------------|---|--------|--------|------------------------------------|
| <i>FORECAST POINT</i> | <i>FORECAST THRESHOLD</i> | <i>FORECAST VALUE ----- CHANCE OF EXCEEDING ----- -----</i> | | | <i>LONG-TERM AVERAGE VALUE</i> |
| | | 90% | 50% | 10% | |
| Silvies R nr Burns | 400 cfs | Apr 10 | May 7 | Jun 3 | May 21 |
| | 200 cfs | Apr 17 | May 15 | Jun 12 | Jun 2 |
| | 100 cfs | Apr 29 | May 28 | Jun 26 | Jun 13 |
| | 50 cfs | May 16 | Jun 20 | Jul 25 | Jul 3 |
| Donner Und Blitzen R nr Frenchglen | 200 cfs | May 15 | Jun 6 | Jun 28 | Jun 20 |
| Donner Und Blitzen R nr Frenchglen | 100 cfs | Jun 6 | Jun 26 | Jul 16 | Jul 9 |

Summary of Snow Course Data

| SNOW COURSE | ELEVATION | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 71-00 |
|----------------------|-----------|---------|------------|---------------|-----------|---------------|
| Oregon | | | | | | |
| ALTHOUSE #2 | 4530 | 2/02/09 | 0 | .0 | -- | 3.6 |
| ALTHOUSE #3 | 5000 | 2/02/09 | 0 | .0 | -- | 8.8 |
| ANEROID LAKE SNOTEL | 7410 | 2/01/09 | 38 | 9.6 | 18.2 | 16.2 |
| ANNIE SPRING SNOTEL | 6010 | 2/01/09 | 54 | 18.2 | 28.5 | 26.0 |
| ANTHONY LAKE (REV) | 7130 | 1/30/09 | 46 | 15.6 | 17.8 | -- |
| ARBUCKLE MTN SNOTEL | 5770 | 2/01/09 | 33 | 10.7 | 14.4 | 13.9 |
| BALD MTN,OR AM | 6720 | 1/29/09 | 69 | 21.4 | -- | 16.7 |
| BARLEY CAMP AM | 6900 | 1/30/09 | 18 | 5.2 | 9.1 | 10.3 |
| BEAR FLAT MEADOW AM | 5900 | 1/30/09 | 23 | 7.8 | 10.1 | 7.3 |
| BEAVER DAM CREEK | 5100 | 2/02/09 | 29 | 10.8 | 17.2 | 9.8 |
| BEAVER RES. SNOTEL | 5150 | 2/01/09 | 27 | 6.6 | 10.7 | 7.1 |
| BIG RED MTN SNOTEL | 6050 | 2/01/09 | 28 | 8.9 | 24.8 | 16.7 |
| BIG SHEEP AM | 6200 | 1/29/09 | 62 | 16.7 | -- | 18.8 |
| BIGELOW CAMP SNOTEL | 5120 | 2/01/09 | 18 | 8.2 | 23.9 | 9.4 |
| BILLIE CK DVD SNOTEL | 5300 | 2/01/09 | 47 | 17.6 | 23.7 | 16.9 |
| BLAZED ALDER SNOTEL | 3650 | 2/01/09 | 67 | 23.8 | 47.7 | 21.4 |
| BLUE MTN SPGS SNOTEL | 5900 | 2/01/09 | 28 | 9.2 | 15.1 | 12.3 |
| BOULDER CREEK AM | 5690 | 1/29/09 | 8 | 2.6 | 3.5 | 2.6 |
| BOURNE SNOTEL | 5850 | 2/01/09 | 30 | 9.1 | 14.8 | 12.8 |
| BOWMAN SPRNGS SNOTEL | 4530 | 2/01/09 | --- | 6.4 | 7.4 | 7.3 |
| BUCK PASTURE AM | 5700 | 1/29/09 | 14 | 4.3 | 5.2 | 2.1 |
| BUCKSKIN LAKE AM | 5200 | 1/29/09 | 3 | .9 | 3.4 | -- |
| BULLY CREEK AM | 5300 | 1/29/09 | 5 | 1.6 | 5.9 | 2.8 |
| CALIBAN ALT | 6500 | 1/29/09 | 30 | 8.8 | 25.2 | 19.1 |
| CALL MEADOWS AM | 5340 | 1/29/09 | 9 | 2.6 | 7.0 | 3.6 |
| CAMAS CREEK #3 | 5850 | 2/02/09 | 25 | 8.4 | 12.0 | 9.7 |
| CASCADE SUM. SNOTEL | 5100 | 2/01/09 | 60 | 20.0 | 31.2 | 21.3 |
| CHEMULT ALT SNOTEL | 4850 | 2/01/09 | 17 | 5.6 | 10.6 | 7.3 |
| CLACKAMAS LK. SNOTEL | 3400 | 2/01/09 | 26 | 9.1 | 16.8 | 10.2 |
| CLEAR LAKE SNOTEL | 3810 | 2/01/09 | 27 | 6.6 | 19.7 | 10.4 |
| COLD SPRINGS SNOTEL | 5940 | 2/01/09 | 53 | 20.0 | 26.7 | 21.3 |
| COLVIN CREEK AM | 6550 | 1/30/09 | 3 | 1.0 | 4.1 | 3.2 |
| COUNTY LINE SNOTEL | 4800 | 2/01/09 | 8 | 3.7 | 5.6 | 4.2 |
| COX FLAT AM | 5750 | 1/30/09 | 11 | 3.7 | 6.5 | 5.3 |
| CRAZYMAN FLAT AM | 6100 | 1/30/09 | 18 | 4.5 | 6.2 | 6.3 |
| CRAZYMAN FLAT SNOTEL | 6180 | 2/01/09 | 24 | 5.9 | 11.7 | 11.9 |
| DALY LAKE SNOTEL | 3690 | 2/01/09 | 27 | 10.9 | 31.6 | 12.6 |
| DEADHORSE GRADE | 3700 | 1/30/09 | 19 | 6.9 | -- | 7.4 |
| DEADWOOD JUNCTION | 4600 | 2/02/09 | 16 | 7.3 | 15.3 | 6.3 |
| DERR | 5670 | 1/29/09 | 20 | 6.8 | 11.0 | 7.6 |
| DERR SNOTEL | 5850 | 2/01/09 | 24 | 7.4 | 12.7 | 10.3 |
| DIAMOND LAKE SNOTEL | 5320 | 2/01/09 | 32 | 14.8 | 16.4 | 12.9 |
| DOG HOLLOW AM | 4900 | 1/30/09 | 5 | 1.4 | 4.4 | 1.0 |
| DOOLEY MOUNTAIN | 5430 | 1/29/09 | 20 | 6.6 | 13.0 | 6.1 |
| EAST EAGLE | 4400 | 1/31/09 | 50 | 14.3 | 20.6 | 16.2 |
| EILERTSON SNOTEL | 5510 | 2/01/09 | 20 | 7.3 | 9.0 | 7.7 |
| ELDORADO PASS | 4600 | 1/29/09 | 6 | 2.0 | 5.8 | 3.2 |
| EMIGRANT SPGS SNOTEL | 3800 | 2/01/09 | 21 | 6.8 | 9.9 | 5.9 |
| FINLEY CORRALS AM | 6000 | 1/30/09 | 37 | 9.3 | 10.4 | 11.1 |
| FISH CREEK SNOTEL | 7660 | 2/01/09 | 46 | 11.9 | 13.3 | 17.6 |
| FISH LK. SNOTEL | 4670 | 2/01/09 | 29 | 9.4 | 16.4 | 9.3 |
| FLAG PRAIRIE AM | 4750 | 1/29/09 | 9 | 2.8 | 8.8 | 4.1 |
| FOURMILE LAKE SNOTEL | 6000 | 2/01/09 | 52 | 19.0 | 23.1 | 21.3 |
| GERBER RES SNOTEL | 4850 | 2/01/09 | 8 | 2.0 | 4.0 | 1.6 |
| GOLD CENTER SNOTEL | 5410 | 2/01/09 | 23 | 7.2 | 12.2 | 8.1 |

| SNOW COURSE | ELEVATION | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 71-00 |
|-------------------------|-----------|---------|------------|---------------|-----------|---------------|
| Oregon Continued | | | | | | |
| GOVT CORRALS AM | 7450 | 1/29/09 | 24 | 7.4 | -- | 9.1 |
| GREENPOINT SNOTEL | 3310 | 2/01/09 | 31 | 12.2 | 24.7 | 14.4 |
| HART MOUNTAIN AM | 6350 | 1/30/09 | 2 | .7 | 7.0 | 1.6 |
| HIGH PRAIRIE | 6100 | 1/29/09 | 75 | 30.0 | 43.4 | 30.9 |
| HIGH RIDGE SNOTEL | 4920 | 2/01/09 | 51 | 15.7 | 25.7 | 16.9 |
| HOGG PASS SNOTEL | 4760 | 2/01/09 | 46 | 14.2 | 30.0 | 26.8 |
| HOLLAND MDWS SNOTEL | 4900 | 2/01/09 | 35 | 13.9 | 28.5 | 17.4 |
| HOWARD PRAIRIE | 4500 | 2/02/09 | 14 | 5.9 | 9.2 | 6.1 |
| IRISH-TAYLOR SNOTEL | 5500 | 2/01/09 | 63 | 22.6 | 31.2 | 23.8 |
| JUMP OFF JOE SNOTEL | 3520 | 2/01/09 | 30 | 9.8 | 24.4 | 8.9 |
| KING MTN #1 | 4500 | 1/29/09 | 9 | 2.5 | -- | 5.4 |
| KING MTN #2 SNOTEL | 4340 | 2/01/09 | 2 | .8 | 18.7 | 3.1 |
| KING MTN #3 | 3650 | 1/29/09 | 0 | .0 | -- | .8 |
| KING MTN #4 | 3050 | 1/29/09 | 0 | .0 | -- | .2 |
| LAKE CK R.S. SNOTEL | 5200 | 2/01/09 | 21 | 6.0 | 11.4 | 9.5 |
| LITTLE ALPS | 6200 | 1/30/09 | 29 | 8.0 | 9.8 | 8.5 |
| LITTLE ANTONE (ALT) | 5000 | 1/30/09 | 25 | 7.5 | 10.2 | 6.5 |
| LITTLE MEADOW SNOTEL | 4000 | 2/01/09 | 47 | 16.7 | 41.3 | 18.2 |
| LOOKOUT BUTTE AM | 5650 | 1/29/09 | 1 | .4 | 2.9 | .4 |
| LOUSE CANYON AM | 6440 | 1/29/09 | 16 | 3.8 | 10.8 | 4.9 |
| LUCKY STRIKE SNOTEL | 4970 | 2/01/09 | 20 | 5.7 | 9.2 | 7.6 |
| MADISON BUTTE SNOTEL | 5150 | 2/01/09 | --- | 5.2 | 9.4 | 4.5 |
| MARION FORKS SNOTEL | 2600 | 2/01/09 | 13 | 4.8 | 22.1 | 8.1 |
| MARKS CREEK | 4540 | 1/29/09 | 6 | 1.7 | 6.3 | 3.2 |
| MARY'S PEAK REV | 3620 | 2/02/09 | 18 | 7.6 | -- | 4.5 |
| MCKENZIE SNOTEL | 4800 | 2/01/09 | 71 | 32.0 | 40.7 | 29.4 |
| MEACHAM | 4300 | 2/03/09 | 25 | 8.4 | 10.6 | 7.6 |
| MILL CREEK MDW | 4400 | 1/29/09 | 26 | 8.0 | 20.0 | 9.1 |
| MIRROR LAKE AM | 8200 | 1/29/09 | 142 | 44.0 | -- | 46.8 |
| MOSS SPRINGS SNOTEL | 5760 | 2/01/09 | 55 | 17.3 | 17.6 | 17.5 |
| MT ASHLAND SWBK. | 6400 | 1/29/09 | 25 | 8.2 | 27.8 | 20.6 |
| MT HOOD | 5400 | 1/29/09 | 87 | 38.4 | 53.2 | 43.0 |
| MT HOOD TEST SNOTEL | 5400 | 2/01/09 | 81 | 33.7 | 49.2 | 38.6 |
| MT HOWARD SNOTEL | 7910 | 2/01/09 | 27 | 10.3 | 14.5 | 10.3 |
| MUD RIDGE SNOTEL | 4070 | 2/01/09 | 55 | 19.0 | 30.7 | 16.9 |
| NEW CRESCENT SNOTEL | 4910 | 2/01/09 | 32 | 10.7 | 17.0 | 9.2 |
| NEW DUTCHMAN #3 | 6400 | 1/29/09 | 85 | 31.9 | 43.3 | 35.7 |
| NORTH FK RES SNOTEL | 3060 | 2/01/09 | 51 | 20.4 | 39.9 | 11.6 |
| OCHOCO MEADOWS | 5200 | 1/29/09 | 18 | 5.0 | 10.2 | 7.6 |
| OCHOCO MEADOW SNOTEL | 5430 | 2/01/09 | 18 | 5.5 | 11.2 | 7.3 |
| OREGON CANYON AM | 6950 | 1/29/09 | 11 | 3.5 | 5.4 | 4.5 |
| PAGE MTN | 4050 | 2/02/09 | 0 | .0 | -- | 1.1 |
| PARK H.Q. REV | 6550 | 1/29/09 | 83 | 31.0 | 41.8 | 37.5 |
| PATTON MEADOWS AM | 6800 | 1/30/09 | 24 | 8.2 | 8.6 | 10.9 |
| PEAVINE RIDGE SNOTEL | 3420 | 2/01/09 | 28 | 10.2 | 25.5 | 9.5 |
| PUEBLO SUMMIT AM | 6800 | 1/29/09 | 11 | 3.3 | 4.3 | 1.9 |
| QUARTZ MTN SNOTEL | 5720 | 2/01/09 | 2 | 2.1 | 3.1 | 2.6 |
| R.R. OVERPASS SNOTEL | 2680 | 2/01/09 | 0 | .0 | 4.5 | .5 |
| RED BUTTE #1 | 4560 | 1/28/09 | 29 | 10.9 | 31.8 | 8.3 |
| RED BUTTE #2 | 4000 | 1/28/09 | 0 | .0 | 14.7 | 4.4 |
| RED BUTTE #3 | 3500 | 1/28/09 | 0 | .0 | 15.9 | 2.0 |
| RED BUTTE #4 | 3000 | 1/28/09 | 0 | .0 | 10.8 | 1.0 |
| RED HILL SNOTEL | 4400 | 2/01/09 | 73 | 35.6 | 50.7 | 30.2 |
| ROARING RIVER SNOTEL | 4950 | 2/01/09 | 51 | 21.3 | 36.4 | 19.3 |
| ROCK SPRINGS SNOTEL | 5290 | 2/01/09 | 10 | 1.2 | 5.6 | 4.1 |
| ROGGER MEADOWS AM | 6500 | 1/30/09 | 41 | 13.9 | 9.4 | 8.6 |
| SADDLE MTN SNOTEL | 3110 | 2/01/09 | 5 | 4.5 | 28.4 | 5.4 |
| SALT CK FALLS SNOTEL | 4220 | 2/01/09 | 42 | 15.0 | 26.4 | 13.1 |
| SANTIAM JCT. SNOTEL | 3750 | 2/01/09 | 30 | 14.2 | 27.8 | 14.6 |

| SNOW COURSE | | ELEVATION | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 71-00 |
|-------------------------|--------|-----------|---------|------------|---------------|-----------|---------------|
| Oregon Continued | | | | | | | |
| SCHNEIDER MDW | SNOTEL | 5400 | 2/01/09 | 53 | 14.4 | 21.5 | 22.3 |
| SEINE CREEK | SNOTEL | 2060 | 2/01/09 | 0 | .1 | 4.7 | 2.7 |
| SEVENMILE MARSH | SNTL | 5700 | 2/01/09 | 52 | 16.0 | 24.6 | 20.1 |
| SHERMAN VALLEY | AM | 6600 | 1/30/09 | 25 | 8.5 | 17.5 | 7.9 |
| SILVER BURN | | 3720 | 1/29/09 | 31 | 11.0 | 15.4 | 8.4 |
| SILVER CREEK | SNOTEL | 5740 | 2/01/09 | 23 | 7.7 | 8.8 | 7.8 |
| SILVIES | SNOTEL | 6990 | 2/01/09 | 19 | 6.9 | 11.2 | 11.1 |
| SISKIYOU SUMMIT | REV | 4630 | 1/29/09 | 16 | 5.9 | 18.4 | 4.6 |
| SKI BOWL ROAD | | 6000 | 1/29/09 | 25 | 7.3 | 23.7 | 16.1 |
| SNOW MTN | SNOTEL | 6220 | 2/01/09 | 19 | 4.3 | 6.3 | 7.8 |
| SF BULL RUN | SNOTEL | 2690 | 2/01/09 | 26 | 8.7 | 22.5 | 2.6 |
| STANDLEY | AM | 7400 | 1/29/09 | 61 | 18.9 | -- | 20.3 |
| STARR RIDGE | SNOTEL | 5250 | 2/01/09 | 16 | 6.2 | 7.9 | 5.2 |
| STRAWBERRY | SNOTEL | 5760 | 2/01/09 | 5 | 4.0 | 7.3 | 4.5 |
| SUMMER RIM | SNOTEL | 7100 | 2/01/09 | 26 | 7.5 | 11.1 | 11.4 |
| SUMMIT LAKE | SNOTEL | 5600 | 2/01/09 | 63 | 22.8 | 31.7 | 24.4 |
| SUN PASS | SNOTEL | 5600 | 2/01/09 | 39 | 14.4 | 19.3 | -- |
| SWAN LAKE MTN | SNOTEL | 6830 | 2/01/09 | 31 | 11.4 | 17.6 | -- |
| SYCAN FLAT | AM | 5500 | 1/30/09 | 25 | 8.8 | 2.4 | 4.5 |
| TANGENT | | 5400 | 1/29/09 | 32 | 11.2 | 25.2 | 15.2 |
| TAYLOR BUTTE | SNOTEL | 5030 | 2/01/09 | 16 | 5.3 | 8.6 | 5.4 |
| TAYLOR GREEN | SNOTEL | 5740 | 2/01/09 | 40 | 13.3 | 17.7 | 14.5 |
| THREE CK MEAD | SNOTEL | 5650 | 2/01/09 | 36 | 10.0 | 18.7 | 12.1 |
| TIMOTHY LAKE | | 3300 | 1/30/09 | 18 | 5.8 | 17.2 | 8.3 |
| TIPTON | SNOTEL | 5150 | 2/01/09 | 29 | 6.7 | 11.5 | 10.3 |
| TOKETTE AIRSTRIP | SN | 3240 | 2/01/09 | 9 | 5.1 | 11.1 | -- |
| TOLLGATE | | 5070 | 2/03/09 | 57 | 19.6 | 30.2 | 19.5 |
| TROUT CREEK | AM | 7800 | 1/29/09 | 22 | 6.8 | -- | 7.0 |
| TV RIDGE #2 | AM | 7000 | 1/29/09 | 21 | 6.5 | -- | 11.2 |
| V LAKE | AM | 6600 | 1/29/09 | 11 | 3.4 | 10.0 | 5.6 |
| WEST EAGLE MEADOWS | | 5500 | 1/29/09 | 66 | 21.8 | -- | 23.2 |
| WOLF CREEK | SNOTEL | 5630 | 2/01/09 | 29 | 11.0 | 14.1 | 11.2 |
| California | | | | | | | |
| ADIN MOUNTAIN | | 6350 | 1/30/09 | 25 | 7.4 | 8.7 | 8.5 |
| ADIN MTN | SNOTEL | 6350 | 2/01/09 | 27 | 8.4 | 10.8 | 9.0 |
| BLUE LAKE RANCH | | 6800 | 2/02/09 | 20 | 5.8 | 9.0 | -- |
| CEDAR PASS | | 7100 | 2/03/09 | 27 | 9.0 | 10.9 | 10.9 |
| CEDAR PASS | SNOTEL | 7100 | 2/01/09 | 29 | 9.7 | 12.0 | 11.4 |
| CROWDER FLAT | AM | 5200 | 1/30/09 | 8 | 3.2 | 5.9 | 2.6 |
| CROWDER FLAT | SNOTEL | 5200 | 2/01/09 | 7 | 2.8 | 6.9 | 3.7 |
| DISMAL SWAMP | SNOTEL | 7000 | 2/01/09 | 41 | 12.0 | 15.0 | 18.0 |
| STATE LINE | AM | 5750 | 2/01/09 | --- | 4.0E | 13.0 | 4.8 |
| Idaho | | | | | | | |
| BATTLE CREEK | AM | 5720 | 1/29/09 | 22 | 6.8 | 7.4 | 3.4 |
| BULL BASIN | AM | 5460 | 1/29/09 | 9 | 2.8 | -- | 2.1 |
| MUD FLAT | SNOTEL | 5730 | 2/01/09 | 14 | 5.0 | 6.5 | 5.2 |
| RED CANYON | AM | 6650 | 1/29/09 | 16 | 4.5 | -- | 6.0 |
| SILVER CITY | | 6400 | 1/29/09 | 39 | 13.4 | 16.4 | 12.0 |
| SOUTH MTN | SNOTEL | 6500 | 2/01/09 | 29 | 9.2 | 13.6 | 12.8 |
| SUCCOR CREEK | AM | 6100 | 1/29/09 | 24 | 7.2 | 10.3 | 5.7 |
| VAUGHT RANCH | AM | 5830 | 1/29/09 | 24 | 7.4 | 4.6 | 4.1 |
| Nevada | | | | | | | |
| BALD MOUNTAIN | AM | 6720 | 1/30/09 | 9 | 3.0 | .8 | 2.7 |
| BEAR CREEK | SNOTEL | 7800 | 2/01/09 | 51 | 14.2 | 11.0 | 12.5 |
| BIG BEND | SNOTEL | 6700 | 2/01/09 | 26 | 7.5 | 7.1 | 6.7 |
| BUCKSKIN,L | SNOTEL | 6700 | 2/01/09 | 26 | 6.2 | 7.0 | 6.4 |
| COLUMBIA BASIN | AM | 6650 | 1/29/09 | 27 | 8.9 | 8.6 | 7.3 |
| DISASTER PEAK | SNOTEL | 6500 | 2/01/09 | 18 | 6.1 | 8.3 | 9.1 |
| FAWN CREEK | SNOTEL | 7050 | 2/01/09 | 38 | 10.2 | 7.2 | 11.1 |
| FRY CANYON | | 6700 | 1/29/09 | 24 | 7.9 | 5.9 | 6.0 |

| SNOW COURSE | ELEVATION | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 71-00 |
|-------------------------|-----------|---------|------------|---------------|-----------|---------------|
| Nevada Continued | | | | | | |
| GOLD CREEK | 6600 | 1/29/09 | 22 | 7.0 | 6.1 | 4.2 |
| GRANITE PEAK SNOTEL | 7800 | 2/01/09 | 30 | 8.4 | 11.0 | 14.2 |
| JACK CREEK, U SNOTEL | 7280 | 2/01/09 | 42 | 9.6 | 7.5 | 11.4 |
| LAMANCE CREEK SNOTEL | 6000 | 2/01/09 | 17 | 5.9 | 9.7 | 9.4 |
| LAUREL DRAW SNOTEL | 6700 | 2/01/09 | 31 | 8.6 | 8.4 | 7.2 |
| LITTLE BALLY MTN. AM | 6000 | 1/30/09 | 16 | 5.3 | 3.9 | 3.0 |
| MERRIT MOUNTAIN AM | 7000 | 1/29/09 | 27 | 8.9 | 4.0 | 5.6 |
| MIDAS (d) | 7200 | 1/29/09 | 6 | 2.0 | 3.8 | 2.8 |
| QUINN RIDGE AM | 6300 | 1/29/09 | 7 | 1.7 | 8.2 | 2.1 |
| SEVENTYSIX CK SNOTEL | 7100 | 2/01/09 | 27 | 6.5 | 7.4 | 7.9 |
| STAG MOUNTAIN AM | 7700 | 1/28/09 | 12 | 4.0 | .9 | 4.2 |
| TAYLOR CANYON SNOTEL | 6200 | 2/01/09 | 18 | 6.4 | 5.6 | 3.9 |
| TOE JAM AM AM | 7700 | 1/29/09 | 24 | 8.0 | 5.9 | 6.9 |
| TREMEWAN RANCH | 5700 | 1/27/09 | 10 | 3.0 | 2.3 | 1.7 |

And Federal – State – Private Cooperative Snow Surveys

For more water supply and resource management information, contact:

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

Phone: (503) 414-3270

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

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

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

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

Interpreting Water Supply Forecasts

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

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

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

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

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

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

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

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

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

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

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

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

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

Using the forecasts - an Example

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

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

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

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

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

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

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OWYHEE AND MALHEUR BASINS

Streamflow Forecasts - February 1, 2006

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

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

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Official Business



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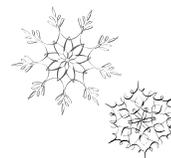
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**Oregon
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