

United States  
 Department of  
 Agriculture

Natural Resources  
 Conservation  
 Service

National Water and  
 Climate Center  
 Portland, Oregon

WEEKLY SNOTEL SNOWPACK AND PRECIPITATION REPORT  
 As of Monday, July 19, 2010

The National Water and Climate Center creates and transmits the weekly Western US Basin snowpack and cumulative precipitation report every Monday. This report is based on an analysis of data collected at over 680 NRCS SNOTEL sites in the Western United States. A narrative description of significant changes and events will be included in this report as conditions warrant. Please contact one of the names below if you have any questions or comments.

WEEKLY SNOTEL SNOWPACK AND PRECIPITATION REPORT  
 As of Monday, July 19, 2010

STATE RIVER BASIN	Number of Sites	PERCENT OF AVERAGE Snow Water Equivalent	Accum Precip
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ALASKA			
ANCHORAGE/SHIP CREEK BASIN .....	4 of 4	*	102
SUSITNA BASIN .....	4 of 6	*	74
NORTHERN KENAI MOUNTAINS .....	6 of 6	*	118
SOUTHERN KENAI .....	3 of 6	*	91
COPPER BASIN .....	2 of 4	*	94
PRINCE WILLIAM SOUND .....	0 of 6	*	108
CHENA BASIN .....	6 of 6	*	65
UPPER TANANA .....	2 of 3	*	131
KOYUKUK BASIN .....	1 of 3	*	*
CENTRAL YUKON BASIN .....	0 of 3	*	69
SEWARD PENINSULA .....	0 of 2	*	96
KUPARUK RIVER BASIN .....	0 of 1	*	88
SOUTHEAST ALASKA BASIN .....	0 of 1	*	*
ARIZONA			
VERDE RIVER BASIN .....	4 of 7	*	113
SAN FRANCISCO PEAKS .....	1 of 1	*	67
CENTRAL MOGOLLON RIM .....	3 of 3	*	113
LITTLE COLORADO - SOUTHERN HEADWATERS .....	5 of 5	*	115
UPPER SALT RIVER BASIN / WHITE MOUNTAINS .....	6 of 7	*	104
SAN FRANCISCO RIVER BASIN .....	5 of 5	*	97
UPPER GILA RIVER BASIN .....	3 of 3	*	110
CALIFORNIA			
NORTHERN GREAT BASIN .....	4 of 4	*	90
TRUCKEE RIVER .....	8 of 8	*	97
LAKE TAHOE .....	8 of 8	*	98
CARSON RIVER .....	5 of 9	*	99
WALKER RIVER .....	5 of 6	*	105
KLAMATH .....	8 of 10	*	82
COLORADO			
GUNNISON RIVER BASIN .....	9 of 15	250*	91
UPPER COLORADO RIVER BASIN .....	23 of 30	300*	91
SOUTH PLATTE RIVER BASIN .....	14 of 17	*	92
LARAMIE AND NORTH PLATTE RIVER BASINS .....	9 of 13	20*	97

YAMPA AND WHITE RIVER BASINS .....	12 of 19	17*	*
ARKANSAS RIVER BASIN .....	5 of 9	*	84
UPPER RIO GRANDE BASIN .....	8 of 15	*	90
SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASIN .....	11 of 16	*	80
IDAHO			
NORTHERN PANHANDLE REGION .....	7 of 10	*	93
SPOKANE RIVER BASIN .....	9 of 10	*	84
CLEARWATER BASIN .....	14 of 16	*	81
SALMON BASIN .....	22 of 22	*	89
WEISER BASIN .....	3 of 4	*	103
PAYETTE BASIN .....	9 of 11	*	88
BOISE BASIN .....	9 of 10	*	91
BIG WOOD BASIN .....	9 of 9	*	85
LITTLE WOOD BASIN .....	4 of 5	*	89
BIG LOST BASIN .....	4 of 5	*	88
LITTLE LOST, BIRCH BASINS .....	4 of 4	*	97
MEDICINE LODGE, BEAVER, CAMAS BASINS .....	4 of 4	*	90
HENRYS FORK, TETON BASINS .....	7 of 8	*	82
SNAKE BASIN ABOVE PALISADES .....	17 of 18	*	83
WILLOW, BLACKFOOT, PORTNEUF BASINS .....	6 of 6	*	87
SNAKE BASIN ABOVE AMERICAN FALLS .....	27 of 29	*	83
OAKLEY BASIN .....	3 of 3	*	94
SALMON FALLS BASIN .....	5 of 5	*	96
BRUNEAU BASIN .....	5 of 5	*	98
OWYHEE BASIN .....	7 of 8	*	93
BEAR RIVER BASIN .....	15 of 15	*	86
MONTANA			
KOOTENAI RIVER BASIN .....	8 of 8	*	90
FLATHEAD RIVER BASIN .....	15 of 15	*	94
UPPER CLARK FORK RIVER BASIN .....	14 of 15	*	87
BITTERROOT RIVER BASIN .....	7 of 7	*	78
LOWER CLARK FORK RIVER BASIN .....	8 of 8	*	83
JEFFERSON RIVER BASIN .....	19 of 19	*	94
MADISON RIVER BASIN .....	11 of 11	*	92
GALLATIN RIVER BASIN .....	7 of 7	*	96
MISSOURI HEADWATERS .....	31 of 31	*	92
HEADWATERS MISSOURI MAINSTEM .....	5 of 5	*	98
SMITH, JUDITH, AND MUSSELSHELL RIVER BASINS ..	9 of 10	*	115
SUN, TETON AND MARIAS RIVER BASINS .....	6 of 6	*	78
MISSOURI MAINSTEM RIVER BASIN .....	20 of 21	*	99
ST. MARY AND MILK RIVER BASINS .....	3 of 3	*	94
UPPER YELLOWSTONE RIVER BASIN .....	23 of 24	*	91
WIND RIVER BASIN (WYOMING) .....	12 of 12	*	102
SHOSHONE RIVER BASIN (WYOMING) .....	6 of 6	*	92
BIGHORN RIVER BASIN (WYOMING) .....	16 of 16	*	94
TONGUE RIVER BASIN (WYOMING) .....	6 of 6	*	103
POWDER RIVER BASIN (WYOMING) .....	6 of 6	*	101
LOWER YELLOWSTONE RIVER BASIN .....	32 of 32	*	100
NEVADA			
NORTHERN GREAT BASIN .....	4 of 4	*	90
SNAKE RIVER .....	3 of 3	*	94
OWYHEE RIVER .....	5 of 6	*	91
UPPER HUMBOLDT RIVER .....	5 of 5	*	97
LOWER HUMBOLDT RIVER .....	4 of 6	*	85
CLOVER VALLEY .....	1 of 1	*	93
EASTERN NEVADA .....	3 of 3	*	113

## NEW MEXICO

RIO CHAMA RIVER BASIN .....	4 of 4	*	84
UPPER RIO GRANDE BASIN .....	6 of 9	*	91
SANGRE DE CRISTO MOUNTAIN RANGE BASINS .....	9 of 9	*	99
JEMEZ RIVER BASIN .....	2 of 3	*	85
SAN FRANCISCO RIVER BASIN .....	3 of 3	*	104
GILA RIVER BASIN .....	3 of 3	*	110
MIMBRES RIVER BASIN .....	2 of 2	*	113
PECOS RIVER BASIN .....	1 of 1	*	100
SAN JUAN RIVER HEADWATERS .....	3 of 5	*	*
ANIMAS RIVER BASIN .....	5 of 7	*	81
CIMARRON RIVER BASIN .....	2 of 2	*	108
ZUNI/BLUEWATER RIVER BASIN .....	1 of 1	*	118
RIO HONDO BASIN .....	1 of 1	*	186

## OREGON

OWYHEE .....	7 of 8	*	93
MALHEUR .....	2 of 3	*	99
GRANDE RONDE, POWDER, BURNT, IMNAHA .....	13 of 17	1000*	100
UMATILLA, WALLA WALLA, WILLOW .....	5 of 8	*	95
JOHN DAY .....	11 of 13	*	100
UPPER DESCHUTES, CROOKED .....	11 of 14	183*	90
HOOD, SANDY, LOWER DESCHUTES .....	8 of 8	57*	91
COAST RANGE .....	1 of 2	*	86
WILLAMETTE .....	16 of 21	83*	92
ROGUE, UMPQUA .....	9 of 12	233*	89
KLAMATH .....	14 of 18	*	83
LAKE COUNTY, GOOSE LAKE .....	8 of 9	*	89
HARNEY .....	7 of 9	*	101

## UTAH

BEAR RIVER .....	8 of 14	*	87
WEBER-OGDEN RIVERS .....	14 of 17	*	85
PROVO R.-UTAH LAKE-JORDAN R. ....	13 of 15	*	90
TOOELE VALLEY-VERNON CREEK .....	3 of 3	*	95
GREEN RIVER .....	6 of 7	*	99
DUCHESNE RIVER .....	12 of 13	*	79
PRICE-SAN RAFAEL .....	5 of 6	*	82
DIRTY DEVIL .....	3 of 3	*	90
SOUTH EASTERN UTAH .....	3 of 3	*	101
SEVIER RIVER .....	14 of 16	*	102
BEAVER RIVER .....	2 of 2	*	104
ESCALANTE RIVER .....	2 of 3	*	95
VIRGIN RIVER .....	7 of 9	*	109

## WASHINGTON

NORTHERN PANHANDLE .....	7 of 10	*	93
SPOKANE .....	9 of 10	*	84
UPPER COLUMBIA .....	5 of 5	80*	99
CENTRAL COLUMBIA .....	7 of 8	27*	90
UPPER YAKIMA .....	4 of 5	*	87
LOWER YAKIMA .....	6 of 9	2*	98
LOWER SNAKE .....	16 of 22	300*	87
LOWER COLUMBIA .....	16 of 22	95*	95
SOUTH PUGET SOUND .....	6 of 8	119*	86
CENTRAL PUGET SOUND .....	8 of 9	*	88
NORTH PUGET SOUND .....	6 of 12	40*	97
OLYMPIC .....	3 of 4	*	147

## WYOMING

SNAKE RIVER .....	14 of 16	*	85
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UPPER YELLOWSTONE-MADISON .....	13 of 13	*	85
WIND RIVER .....	9 of 9	*	105
BIGHORN BASIN .....	16 of 16	*	94
SHOSHONE RIVER .....	7 of 7	*	93
POWDER-TONGUE .....	12 of 12	*	102
BELLE FOURCHE .....	3 of 3	*	126
UPPER N. PLATTE RIVER .....	8 of 11	40*	107
LOWER N. PLATTE - SWEETWATER - LARAMIE .....	9 of 10	*	108
LITTLE SNAKE RIVER .....	1 of 5	*	*
UPPER GREEN RIVER .....	11 of 13	*	78
LOWER GREEN RIVER .....	7 of 7	*	94
UPPER BEAR RIVER .....	7 of 7	*	84

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The Snow Water Equivalent Percent of Average represents the snow water equivalent found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day. The Accumulated Precipitation Percent of Average represents the total precipitation beginning October 1st) found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day.

\* = Data are not available or data may not provide a valid measure of conditions for over half of the sites within the basin. Refer to the individual state reports for a complete data listing and basin analysis.

Units = inches for the Current and Average Snow Water Equivalent and Total Precipitation values

Reference period for average conditions is 1971-2000.  
Provisional data, subject to revision.

#### Report Overview:

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Individual SNOTEL site current year graphs:

<http://www.wcc.nrcs.usda.gov/cgi-bin/site-wygraph-multi.pl>

SNOTEL Precipitation Maps (NEW):

[ftp://ftp.wcc.nrcs.usda.gov/data/water/wcs/gis/maps/west\\_mtdprecpcptnormal\\_update.pdf](ftp://ftp.wcc.nrcs.usda.gov/data/water/wcs/gis/maps/west_mtdprecpcptnormal_update.pdf)

SNOTEL Snow Water Equivalent Maps (NEW):

[ftp://ftp.wcc.nrcs.usda.gov/data/water/wcs/gis/maps/west\\_swepcptnormal\\_update.pdf](ftp://ftp.wcc.nrcs.usda.gov/data/water/wcs/gis/maps/west_swepcptnormal_update.pdf)

SNOTEL Precipitation Maps (Western Regional Climate Center):

<http://www.wrcc.dri.edu/snotelanom/basinpre.html>] (color)

<http://www.wrcc.dri.edu/snotelanom/basinpren.html> (numeric)

SNOTEL Snow Water Equivalent Maps (Western Regional Climate Center):

<http://www.wrcc.dri.edu/snotelanom/basinswe.html> (color)

<http://www.wrcc.dri.edu/snotelanom/basinswen.html> (numeric)

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You can view this report on the National Water and Climate Center Homepage:

<ftp://ftp.wcc.nrcs.usda.gov/data/snow/update/ws.txt>

For questions, comments and more information about this report please contact: Jolyne Lea - 503-414-3040, [Jolyne.lea@por.usda.gov](mailto:Jolyne.lea@por.usda.gov)