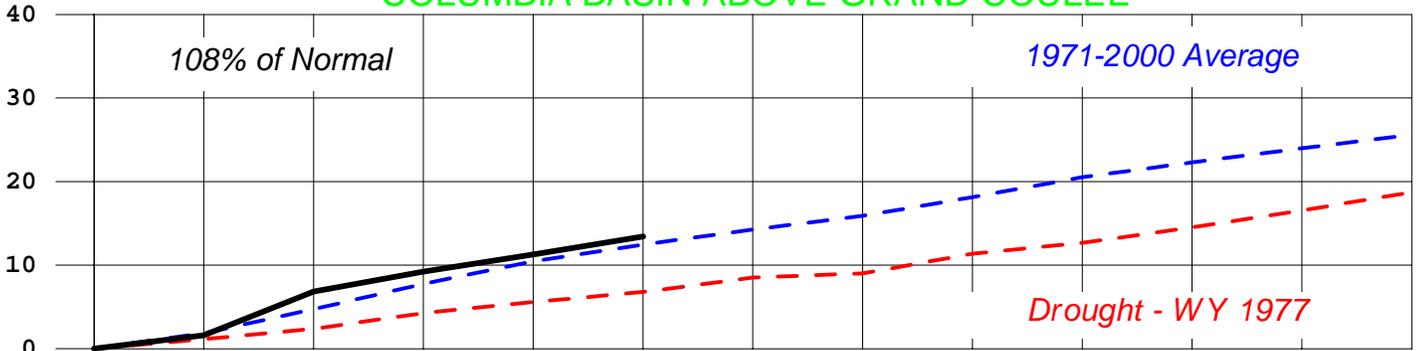
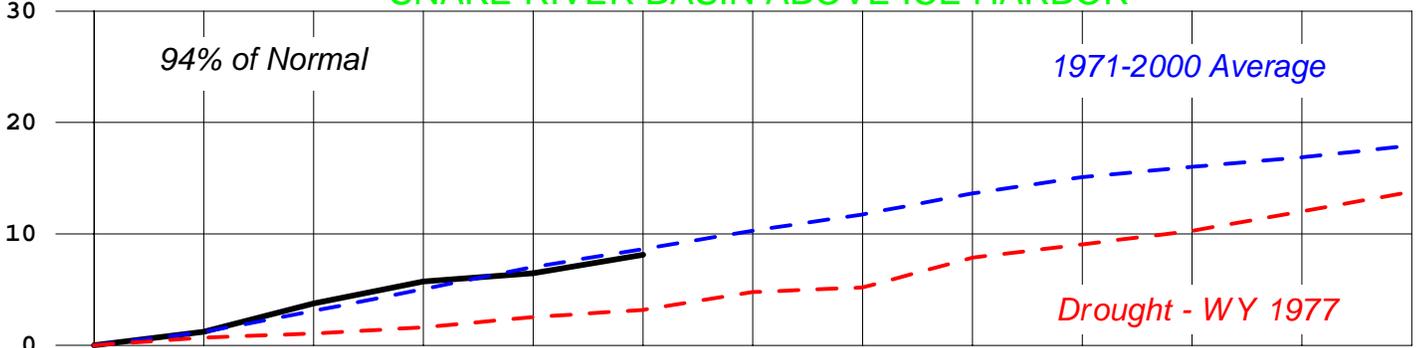


# CUMULATIVE PRECIPITATION WATER YEAR 2007

## COLUMBIA BASIN ABOVE GRAND COULEE



## SNAKE RIVER BASIN ABOVE ICE HARBOR



## COLUMBIA BASIN ABOVE THE DALLES



## WILLAMETTE BASIN



ACCUMULATED PRECIPITATION IN INCHES

DIVISION	..FEB TO DAY 28..			....OCT - FEB....			
	OBSD	DEP	PCT AV	OBSD	DEP	PCT	AV
COLUMBIA ABOVE COULEE	2.13	0.13	107.	13.41	0.95	108.	
SNAKE RV AB ICE HARBOR	1.67	0.06	104.	8.13	-0.51	94.	
COLUMBIA AB THE DALLES	2.09	-0.02	99.	13.27	0.90	107.	
COLUMBIA AB CASTLEGAR	2.87	0.04	101.	18.30	0.34	102.	
KOOTENAI	2.31	0.37	119.	14.22	1.41	111.	
CLARK FORK	1.39	0.08	106.	8.73	0.94	112.	
FLATHEAD	2.18	0.42	124.	11.47	0.92	109.	
PEND OREILLE/ SPOKANE	3.18	0.14	105.	16.92	-0.50	97.	
NORTHEAST WASHINGTON	1.64	0.05	103.	9.01	-0.19	98.	
OKANOGAN	1.12	-0.25	82.	9.55	1.69	121.	
EAST SLOPES WASH CASC.	4.68	-0.25	95.	34.28	6.12	122.	
CENTRAL WASHINGTON	0.92	0.06	107.	5.39	0.30	106.	
UPPER SNAKE	1.70	-0.06	97.	9.52	-0.09	99.	
SNAKE RIVER PLAIN	0.85	-0.03	96.	4.51	-0.47	91.	
OWYHEE/ MALHEUR	1.11	0.11	111.	4.21	-1.21	78.	
SALMON/ BOISE/ PAYETTE	2.37	0.31	115.	10.47	-0.36	97.	
BURNT/ GRANDE RONDE	1.59	0.19	113.	7.14	-1.08	87.	
CLEARWATER	3.12	0.25	109.	17.55	1.74	111.	
SOUTHEAST WASHINGTON	1.65	-0.30	85.	10.28	-0.29	97.	
UPPER JOHN DAY	1.80	0.59	149.	7.99	0.70	110.	
UMATILLA/ LWR JOHN DAY	1.75	0.18	112.	10.45	1.72	120.	
UPR DESCHUTES/ CROOKED	1.52	0.00	100.	8.89	0.31	104.	
HOOD/ LOWER DESCHUTES	3.27	-0.16	95.	23.89	5.06	127.	
NW SLOPE WASH CASCADES	8.99	-0.80	92.	63.35	6.54	112.	
SW WA CASCADES/COWLITZ	7.85	-0.56	93.	50.11	3.72	108.	
WILLAMETTE VALLEY	8.12	0.87	112.	45.79	6.91	118.	
ROGUE/ UMPQUA	6.14	1.62	136.	29.34	5.65	124.	
KLAMATH BASIN	2.77	0.63	130.	11.76	0.15	101.	
LAKE COUNTY-GOOSE LAKE	1.84	0.63	152.	5.82	-0.53	92.	
HARNEY/ MALHEUR BASIN	1.24	0.26	126.	4.72	-0.73	87.	

Columbia River Basin division values are computed by utilizing un-weighted precipitation amounts from key stations in each area.

Precipitation normals are based on 1971-2000 historical data.

Please contact NWRFC for further information: (503) 326-7291.

FEBRUARY 2007 WAS FAIRLY NOTABLE FOR ITS LACK OF EXTREMES ACROSS MUCH OF THE NWRFC AREA. WHILE THE EASTERN TWO-THIRDS OF THE UNITED STATES EXPERIENCED GENERALLY MUCH BELOW NORMAL TEMPERATURES, THE WEST COAST ENJOYED RATHER MILD CONDITIONS DUE TO EITHER RIDGING ALOFT OR AN ONSHORE PACIFIC INFLUENCE. AS A RESULT, MOST LOCATIONS EXPERIENCED MONTHLY AVERAGE TEMPERATURES 1-3 DEGREES ABOVE NORMAL FOR THE MONTH OF FEBRUARY.

TWO SEPARATE OCCURRENCES OF A STRONG HIGH PRESSURE RIDGE ALOFT RESULTED IN WIDESPREAD RECORD HIGH TEMPERATURES ACROSS MAINLY EASTERN OREGON AND WASHINGTON, ONCE DURING THE PERIOD OF FEBRUARY 4-6 AND AGAIN FEBRUARY 15-17. WIDESPREAD 60S AND LOCAL TEMPERATURES IN THE LOWER 70S WERE OBSERVED ACROSS SOUTHERN AND EASTERN OREGON DURING BOTH OF THESE WARM SPELLS.

THE CONTINENTAL DIVIDE PROVIDED A SHARP LINE OF DEMARCATION BETWEEN THE COLD AIR OF THE EASTERN UNITED STATES AND THE MILDER AIR WEST OF THE ROCKIES. FOR EXAMPLE, THE MEAN TEMPERATURE IN MISSOULA FOR FEBRUARY 2007 WAS 32.7 DEGREES F, WHICH WAS 3.7 DEGREES F ABOVE NORMAL. MEANWHILE, GREAT FALLS MONTANA RECORDED A FEBRUARY 2007 MEAN TEMPERATURE OF 23.6 DEGREES, WHICH WAS 2.8 DEGREES F BELOW NORMAL.

#### Precipitation Summary

IN TERMS OF PRECIPITATION ACROSS THE PACIFIC NORTHWEST, FEBRUARY 2007 WAS FAIRLY TYPICAL AS WELL. AN ACTIVE PACIFIC JET STREAM BROUGHT OCCASIONAL WIDESPREAD PRECIPITATION FROM TRANSITORY PACIFIC STORM SYSTEMS. FOR A PERIOD THIS JET STREAM FOCUSED ON SOUTHERN OREGON, BRINGING MONTHLY PRECIPITATION TOTALS TO LEVELS MUCH ABOVE NORMAL FOR THE MONTH OF FEBRUARY.

ONE PARTICULAR STORM FEBRUARY 21-22 DEVELOPED OVER NORTHERN CALIFORNIA, THEN MOVED NORTHEAST ACROSS EASTERN OREGON AND CENTRAL IDAHO. THIS SYSTEM BROUGHT MODERATE TO HEAVY PRECIPITATION TO MUCH OF EASTERN OREGON AND EASTERN WASHINGTON, WITH OVER 1 INCH LIQUID EQUIVALENT PRECIPITATION FALLING ALONG THE EAST SLOPES OF THE SOUTHERN OREGON CASCADES. COLD AIR WRAPPED INTO THE NORTH AND WEST SIDE OF THIS STORM SYSTEM, CAUSING NEARLY ALL OF THIS PRECIPITATION TO FALL AS SNOW ACROSS THE MEDFORD/KLAMATH FALLS AREA.

WHILE THIS STORM SYSTEM PUSHED MONTHLY PRECIPITATION TOTALS TO ABOVE NORMAL THROUGH MUCH OF EASTERN OREGON, EASTERN WASHINGTON, AND WESTERN IDAHO, SE IDAHO DID NOT SEE MUCH IN THE WAY OF SIGNIFICANT PRECIPITATION FROM THIS EVENT. AS A RESULT, MANY LOCATIONS IN THE MIDDLE TO UPPER SNAKE RIVER BASINS RECEIVED WELL BELOW THEIR NORMAL PRECIPITATION FOR THE MONTH OF FEBRUARY.

ONE MORE NOTABLE PRECIPITATION EVENT WAS THE PERSISTENT COLD ONSHORE FLOW THAT PREVAILED TOWARD THE END OF FEBRUARY IN WESTERN WASHINGTON AND WESTERN OREGON. PACIFIC MOISTURE COMBINED WITH LOW SNOW LEVELS TO GENERATE HEAVY COAST RANGE SNOWS, PARTICULARLY ABOVE 2000-3000 FEET IN THE OREGON COAST RANGE AND OLYMPIC MOUNTAINS. AS OF THE END OF THE MONTH, MUCH OF THIS SNOW REMAINED ON THE GROUND.

February precipitation was: 107 percent of normal (1971-2000) at Columbia above Coulee, 104 percent of normal at the Snake River above Ice Harbor, and 99 percent of normal at Columbia above the Dalles.

Seasonal (October through February) precipitation was: 108 percent of normal (1971-2000) at Columbia above Coulee, 94 percent of normal at the Snake River above Ice Harbor, and 107 percent of normal at Columbia above the Dalles.

.END

LISTED BELOW IS AN UNOFFICIAL SUMMARY OF NEW PRECIPITATION RECORDS REPORTED BY NWS FORECAST OFFICES DURING THE MONTH OF FEBRUARY 2007. FOR OFFICIAL INFORMATION, PLEASE CONTACT YOUR LOCAL FORECAST OFFICE OR THE NATIONAL CLIMATIC DATA CENTER.

#### DAILY MAXIMUM PRECIPITATION RECORDS

ON FEBRUARY 9, 2007

LOCATION	NEW RECORD	PREVIOUS RECORD
WINNEMUCCA, NV	0.49 INCHES	0.46 INCHES IN 1922
PASCO, WA	0.20 INCHES	0.17 INCHES IN 1961

ON FEBRUARY 11, 2007

LOCATION	NEW RECORD	PREVIOUS RECORD
----------	------------	-----------------

MEACHAM, OR	0.64 INCHES	0.51 INCHES IN 1951
LA GRANDE, OR	0.50 INCHES	0.25 INCHES IN 1951
PENDLETON, OR	0.49 INCHES	0.31 INCHES IN 1943

ON FEBRUARY 25, 2007

LOCATION	NEW RECORD	PREVIOUS RECORD
CHALLIS, ID	0.16 INCHES	0.15 INCHES IN 1957

#### TEMPERATURE SUMMARY

The 31 station temperature index for the Pacific Northwest departed +1.9 degrees from normal relative to the 1971-2000 normals. Mean temperature departures ranged from -2.8 to 6.2 degrees.

THE FOLLOWING IS A LIST SUMMARIZING SOME OF THE TEMPERATURE RECORDS BROKEN DURING THE MONTH OF FEBRUARY 2007:

NOTE: THE FOLLOWING IS AN UNOFFICIAL SUMMARY BASED ON RECORD EVENT REPORTS ISSUED BY LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICES. FOR OFFICIAL INFORMATION, PLEASE CONTACT YOUR LOCAL FORECAST OFFICE OR THE NATIONAL CLIMATIC DATA CENTER.

RECORD HIGH TEMPERATURES (DEGREES F) TIED OR BROKEN IN FEBRUARY WERE:

ON FEBRUARY 4, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
REDMOND, OR	67	61 SET IN 1987
MEACHAM, OR	57	51 SET IN 1963
KLAMATH FALLS, OR	57 (T)	57 SET IN 1984
STANLEY, ID	46 (T)	46 SET IN 1987

ON FEBRUARY 5, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
MOUNT SHASTA CITY, CA	66	65 SET IN 1995
REDMOND, OR	64	61 SET IN 1987

ON FEBRUARY 6, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
PRINEVILLE, OR	65	64 SET IN 1987
JOHN DAY, OR	65 (T)	65 SET IN 1995

MONUMENT, OR	62	60 SET IN 1995
BEND, OR	62 (T)	62 SET IN 1987
CONDON, OR	58	57 SET IN 1963
MEACHAM, OR	57	53 SET IN 1963
STANLEY, ID	47	44 SET IN 1991

## ON FEBRUARY 15, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
YAKIMA, WA	61 (T)	61 SET IN 1972
CHIEF JOSEPH DAM, WA	54	53 SET IN 1974

## ON FEBRUARY 16, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
REPUBLIC, WA	53 (T)	53 SET IN 1977

## ON FEBRUARY 17, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
PENDLETON, OR	74	70 SET IN 1997
WALLA WALLA, WA	69	67 SET IN 1965
REDMOND, OR	67	65 SET IN 1965
MOUNT SHASTA CITY, CA	66	62 SET IN 1977
LACROSSE, WA	65	62 SET IN 1948
LEWISTON, ID	64	62 SET IN 1954
OLYMPIA, WA	62	60 SET IN 1958
SEATTLE NWS WFO, WA	62	55 SET IN 1998
SEATAC AIRPORT, WA	58 (T)	58 SET IN 1965
MEACHAM, OR	55 (T)	55 SET IN 1965

## RECORD LOW TEMPERATURES (DEGREES F) TIED OR BROKEN IN FEBRUARY WERE:

## ON FEBRUARY 22, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
KLAMATH FALLS, OR	13	15 SET IN 1975

US Dept of Commerce  
National Oceanic and Atmospheric Administration  
National Weather Service  
Northwest River Forecast Center (NWRFC)  
5241 NE 122nd Avenue

Disclaimer  
Information Quality  
Credits  
Glossary

Privacy Policy  
Freedom of Information Act  
About Us  
Career Opportunities

Portland, Oregon 97230-1089  
Telephone: 503-326-7401

Last Modified: December 8, 2005