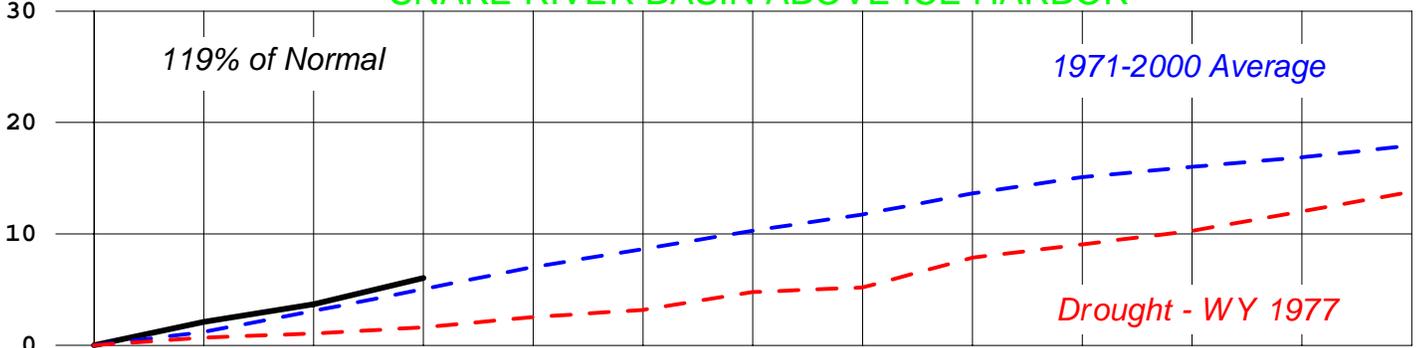


CUMULATIVE PRECIPITATION WATER YEAR 2008

COLUMBIA BASIN ABOVE GRAND COULEE



SNAKE RIVER BASIN ABOVE ICE HARBOR



COLUMBIA BASIN ABOVE THE DALLES



WILLAMETTE BASIN



ACCUMULATED PRECIPITATION IN INCHES

ROGUE/ UMPQUA	3.62	2.47	314.	19.66	4.45	129.
KLAMATH BASIN	1.33	0.69	208.	8.74	1.45	120.
LAKE COUNTY-GOOSE LAKE	0.60	0.27	186.	4.26	0.22	106.
HARNEY/ MALHEUR BASIN	0.36	0.09	134.	3.55	0.00	100.

This precipitation summary for the Columbia River Basin is based on analysis using a limited number of reporting stations. Final values depicted in this narrative are prorated by the number of elapsed days in the month.

Precipitation normals are based on 1971-2000 historical data.

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

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Monthly Divisional Precipitation Summary

Click on date to display forecast:

12/2007

COLUMBIA BASIN SEASONAL PRECIPITATION DIVISION AVERAGES NORTHWEST RIVER FORECAST CENTER

(MONTHLY SUMMARY - DEC 2007)

DIVISION	..DEC TO DAY 31..		OCT - DEC....		
	OBSD	DEP	PCT AV	OBSD	DEP	PCT
COLUMBIA ABOVE COULEE	3.93	0.91	130.	8.96	1.21	116.
SNAKE RV AB ICE HARBOR	2.33	0.36	118.	6.03	0.98	119.
COLUMBIA AB THE DALLES	3.85	0.87	129.	8.57	1.10	115.
COLUMBIA AB CASTLEGAR	5.37	1.08	125.	13.50	2.38	121.
KOOTENAI	3.95	0.79	125.	8.58	0.48	106.
CLARK FORK	2.22	0.41	123.	5.57	0.87	119.
FLATHEAD	2.83	0.38	115.	6.27	-0.27	96.
PEND OREILLE/ SPOKANE	6.38	2.17	152.	12.40	1.90	118.
NORTHEAST WASHINGTON	3.25	0.87	137.	5.70	-0.05	99.
OKANOGAN	2.90	0.92	146.	5.41	0.65	114.
EAST SLOPES WASH CASC.	10.06	2.89	140.	17.82	1.28	108.
CENTRAL WASHINGTON	1.14	-0.20	85.	2.66	-0.50	84.
UPPER SNAKE	2.57	0.43	120.	6.89	1.29	123.
SNAKE RIVER PLAIN	0.97	-0.05	95.	3.29	0.33	111.
OWYHEE/ MALHEUR	1.30	0.07	106.	3.28	0.11	103.
SALMON/ BOISE/ PAYETTE	3.07	0.44	117.	7.89	1.61	126.
BURNT/ GRANDE RONDE	2.58	0.64	133.	6.39	1.42	129.
CLEARWATER	5.08	1.54	144.	10.90	1.57	117.
SOUTHEAST WASHINGTON	2.84	0.45	119.	6.38	0.00	100.
UPPER JOHN DAY	1.61	-0.13	93.	5.02	0.55	112.
UMATILLA/ LWR JOHN DAY	2.58	0.67	135.	6.89	1.65	131.
UPR DESCHUTES/ CROOKED	1.75	-0.29	86.	5.61	0.65	113.

HOOD/ LOWER DESCHUTES	5.63	1.00	122.	13.41	2.33	121.
NW SLOPE WASH CASCADES	16.61	3.38	126.	32.72	-1.64	95.
SW WA CASCADES/COWLITZ	13.81	2.73	125.	27.32	-0.34	99.
WILLAMETTE VALLEY	11.67	2.23	124.	24.79	1.74	108.
ROGUE/ UMPQUA	6.93	1.21	121.	16.04	1.98	114.
KLAMATH BASIN	3.09	0.23	108.	7.42	0.77	112.
LAKE COUNTY-GOOSE LAKE	0.96	-0.46	67.	3.54	-0.18	95.
HARNEY/ MALHEUR BASIN	1.14	-0.13	90.	3.19	-0.09	97.

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.

PRECIPITATION SUMMARY

DECEMBER 2007 STARTED OFF VERY WET ACROSS WASHINGTON AND WESTERN OREGON, AS A SERIES OF POWERFUL STORMS IMPACTED THE REGION WITH HEAVY RAIN AND WIDESPREAD FLOODING. RAINFALL RATES WERE EXTREME THIS STORM, WITH SOME GAGES IN THE COAST RANGE REPORTING UP TO 12 INCHES OF RAIN IN 12 HOURS EARLY DECEMBER 3. ON DECEMBER 3, THE SEATTLE NATIONAL WEATHER SERVICE OFFICE BROKE THEIR ALL-TIME RECORD FOR 24 HOUR RAINFALL WITH 4.15 INCHES, EASILY OUTDOING THE PREVIOUS RECORD OF 3.59 INCHES SET ON OCTOBER 20 2003.

ONCE THE RAINFALL SUBSIDED FROM THE DEC 2-4 STORM, THE PACIFIC NORTHWEST SETTLED INTO A COLDER AND DRIER PATTERN AS NORTHWEST WINDS TOOK OVER ACROSS THE REGION. THIS COLDER PATTERN CONTINUED UNTIL AN ONSHORE FLOW BROUGHT AN INCREASING PACIFIC INFLUENCE FOR THE LAST HALF OF THE MONTH. PERSISTENT ONSHORE FLOW, COUPLED WITH RELATIVELY WEAK DISTURBANCES AND COOL TEMPERATURES, BROUGHT IMPRESSIVE SNOWFALL TO THE CASCADES AS WELL AS THE UPPER COLUMBIA/KOOTENAI HEADWATERS.

OVERALL, THE WESTSIDE AND NORTHERN INTERIOR RECEIVED GENERALLY ABOVE NORMAL PRECIPITATION DURING DECEMBER 2007. PRECIPITATION WAS MORE SPOTTY IN THE SNAKE BASIN, BUT SHOWERY WEATHER DID BRING MORE RAIN TO MANY LOCATIONS UP TO NEAR NORMAL. THE DRIEST LOCATIONS WERE PORTIONS OF EASTERN OREGON, PARTICULARLY NEAR THE DESCHUTES RIVER, AND PORTIONS OF MONTANA AND WYOMING NEAR AND EAST OF THE CONTINENTAL DIVIDE.

DECEMBER PRECIPITATION WAS: 130 PERCENT OF NORMAL (1971-2000) AT COLUMBIA ABOVE COULEE, 118 PERCENT OF NORMAL AT THE SNAKE RIVER ABOVE ICE HARBOR, AND 129 PERCENT OF NORMAL AT COLUMBIA ABOVE THE DALLES.

SEASONAL (OCTOBER THROUGH DECEMBER) PRECIPITATION WAS: 116 PERCENT OF NORMAL (1971-2000) AT COLUMBIA ABOVE COULEE, 119 PERCENT OF NORMAL AT THE SNAKE RIVER ABOVE ICE HARBOR, AND 115 PERCENT OF NORMAL AT COLUMBIA ABOVE THE DALLES.

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

DAILY MAXIMUM PRECIPITATION RECORDS

ON DECEMBER 1, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
CHIEF JOSEPH DAM, WA	1.75 INCHES	0.66 INCHES IN 1966

ON DECEMBER 2, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
OLYMPIA, WA	2.12 INCHES	2.01 INCHES IN 1975
SEATTLE, WA	1.48 INCHES	1.11 INCHES IN 1989
COLVILLE, WA	0.65 INCHES	0.63 INCHES IN 1941

ON DECEMBER 3, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
SEATTLE, WA	4.15 INCHES**	0.76 INCHES IN 1989
SEATAC AIRPORT, WA	3.77 INCHES	1.85 INCHES IN 1968
OLYMPIA, WA	3.19 INCHES	2.77 INCHES IN 1982
PLAIN, WA	3.00 INCHES	2.10 INCHES IN 1943
MULLAN PASS, ID	2.82 INCHES	0.70 INCHES IN 1953
SANDPOINT, ID	2.71 INCHES	1.65 INCHES IN 1979
WINTHROP, WA	1.65 INCHES	1.11 INCHES IN 1915
SAINT MARIES, ID	1.54 INCHES	1.32 INCHES IN 1961
COEUR D'ALENE, ID	1.40 INCHES	1.31 INCHES IN 1962
SPOKANE, WA	1.18 INCHES	0.64 INCHES IN 1980
PLUMMER, ID	1.10 INCHES	0.80 INCHES IN 2001
CHELAN, WA	1.06 INCHES	0.58 INCHES IN 1987
BOUNDARY DAM, WA	0.96 INCHES	0.80 INCHES IN 1982
COLVILLE, WA	0.95 INCHES	0.71 INCHES IN 1980
WENATCHEE, WA	0.94 INCHES	0.90 INCHES IN 1989
LACROSSE, WA	0.81 INCHES	0.57 INCHES IN 1947
CHIEF JOSEPH DAM, WA	0.56 INCHES	0.46 INCHES IN 1980
NORTHPORT, WA	0.55 INCHES	0.50 INCHES IN 1910
WENATCHEE AIRPORT, WA	0.40 INCHES	0.37 INCHES IN 1980

** SEATTLE NWS WFO BROKE THEIR ALL-TIME 24 HOUR RAINFALL RECORD DURING THIS EVENT. A 24 HOUR TOTAL OF 4.15 INCHES WAS RECORDED DECEMBER 3 2007. THE PREVIOUS ALL-TIME 24 HOUR RAINFALL RECORD 3.59 INCHES SET ON OCT 20 2003. RECORDS HAVE BEEN KEPT AT THE S NWS WFO AT SANDPOINT SINCE 1986.

ON DECEMBER 4, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
SANDPOINT, ID	1.52 INCHES	1.24 INCHES IN 1975

ON DECEMBER 6, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
KLAMATH FALLS, OR	0.53 INCHES (T)	0.53 INCHES IN 1955

ON DECEMBER 7, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
KENNEWICK, WA	0.70 INCHES	0.60 INCHES IN 1973
HERMISTON, OR	0.69 INCHES	0.36 INCHES IN 1958
LONG CREEK, OR	0.63 INCHES	0.50 INCHES IN 1973
JOHN DAY, OR	0.42 INCHES	0.35 INCHES IN 1991

PENDLETON, OR	0.41 INCHES	0.27 INCHES IN 1991
SUNNYSIDE, WA	0.26 INCHES	0.22 INCHES IN 1985
ON DECEMBER 18, 2007:		
LOCATION	NEW RECORD	PREVIOUS RECORD
CHIEF JOSEPH DAM, WA	0.40 INCHES	0.33 INCHES IN 1961
MOSES LAKE, WA	0.17 INCHES	0.14 INCHES IN 1960
ON DECEMBER 20, 2007:		
LOCATION	NEW RECORD	PREVIOUS RECORD
COEUR D'ALENE, ID	0.82 INCHES	0.74 INCHES IN 1933
STANLEY, ID	0.34 INCHES	0.18 INCHES IN 1969
ON DECEMBER 23, 2007:		
LOCATION	NEW RECORD	PREVIOUS RECORD
PLAIN, WA	0.79 INCHES	0.76 INCHES IN 1969
ON DECEMBER 24, 2007:		
LOCATION	NEW RECORD	PREVIOUS RECORD
IDAHO FALLS, ID	0.36 INCHES	0.34 INCHES IN 1955
ON DECEMBER 28, 2007:		
LOCATION	NEW RECORD	PREVIOUS RECORD
COLVILLE, WA	0.76 INCHES	0.51 INCHES IN 1970
ON DECEMBER 29, 2007:		
LOCATION	NEW RECORD	PREVIOUS RECORD
POMEROY, WA	0.30 INCHES	0.26 INCHES IN 1996

TEMPERATURE SUMMARY

THE 31 STATION TEMPERATURE INDEX FOR THE PACIFIC NORTHWEST DEPARTURE FROM NORMAL WAS +1.0 DEGREES FROM NORMAL RELATIVE TO THE 1971-2000 NORMALS. MONTHLY TEMPERATURE DEPARTURES RANGED FROM -4.6 TO 6.2 DEGREES.

AFTER RECORD-SETTING WARM TEMPERATURES EARLY IN THE MONTH, A COOL AIRMASS MOVED INTO THE PACIFIC NORTHWEST FROM CANADA DURING THE SECOND WEEK OF DECEMBER. TEMPERATURES WERE GENERALLY A FEW DEGREES BELOW NORMAL DURING THIS PERIOD, BEFORE AN INCREASING PACIFIC INFLUENCE SLOWLY CAUSED TEMPERATURES TO MODERATE. TEMPERATURES WERE MOSTLY NEAR NORMAL ACROSS THE PACIFIC NORTHWEST DURING LATE DECEMBER, SEASONABLY COOL WEST OF THE CASCADES AND SEASONABLY COOL EAST OF THE CASCADES. ASIDE FROM A SWATH OF NEW RECORDS ASSOCIATED WITH THE SURGE OF WARM AIR AHEAD OF OUR DEC 2-4 STORM, FEW HIGH OR LOW TEMPERATURE RECORDS WERE SET DURING THE MONTH OF DECEMBER.

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

NOTE: THE FOLLOWING IS AN UNOFFICIAL SUMMARY BASED ON RECORD EVALUATION 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 DECEMBER

ON DECEMBER 3, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
WINNEMUCCA, NV	67	65 SET IN 1878

ON DECEMBER 4, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
THE DALLES, OR	63	56 SET IN 1965
PRIEST RAPIDS DAM, WA	63	61 SET IN 1975
LEWISTON, ID	63	61 SET IN 1979
YAKIMA, WA	62	58 SET IN 1918
CHIEF JOSEPH DAM, WA	59	58 SET IN 1975
QUINCY, WA	59	56 SET IN 1975
COULEE DAM, WA	58	55 SET IN 1975
OLYMPIA, WA	56 (T)	56 SET IN 1989
CHELAN, WA	54	49 SET IN 1966
MEACHAM, OR	53	52 SET IN 1975
IDAHO FALLS, ID	53	50 SET IN 1980
COEUR D'ALENE, ID	53 (T)	53 SET IN 1918
PLUMMER, ID	52	46 SET IN 1990

ON DECEMBER 6, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
PLUMMER, ID	42 (T)	42 SET IN 1991

RECORD LOW TEMPERATURES (DEGREES F) TIED OR BROKEN IN DECEMBER

ON DECEMBER 1, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
KLAMATH FALLS, OR	10 (T)	10 SET IN 1985

ON DECEMBER 8, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
SEATTLE, WA	27	31 SET IN 2005

ON DECEMBER 9, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
SEATTLE, WA	27	31 SET IN 2005

ON DECEMBER 11, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
BOUNDARY DAM, WA	1	2 SET IN 1985
PLUMMER, ID	11	19 SET IN 1993

ON DECEMBER 22, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
MEACHAM, OR	5 (T)	5 SET IN 1948

ON DECEMBER 25, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
MEACHAM, OR	9 (T)	9 SET IN 1999

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WEAGLE

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