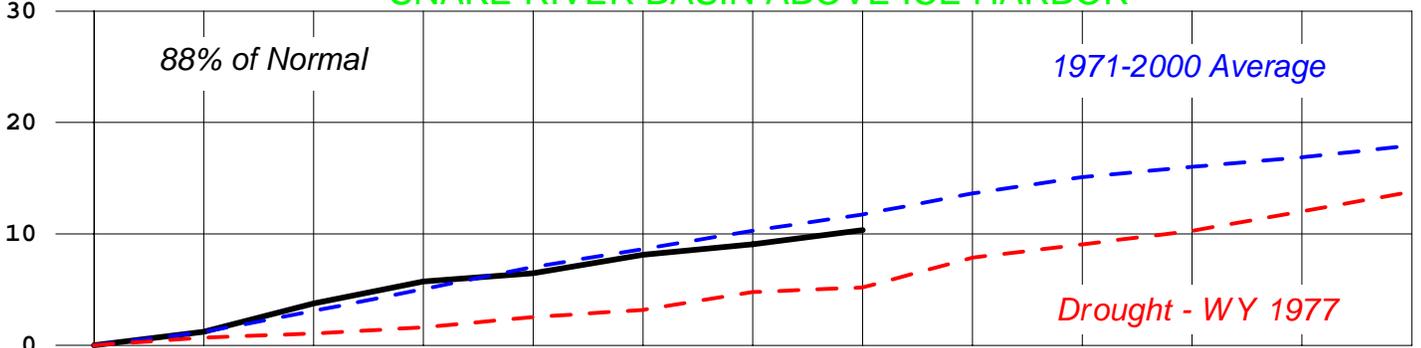


# CUMULATIVE PRECIPITATION WATER YEAR 2007

## COLUMBIA BASIN ABOVE GRAND COULEE



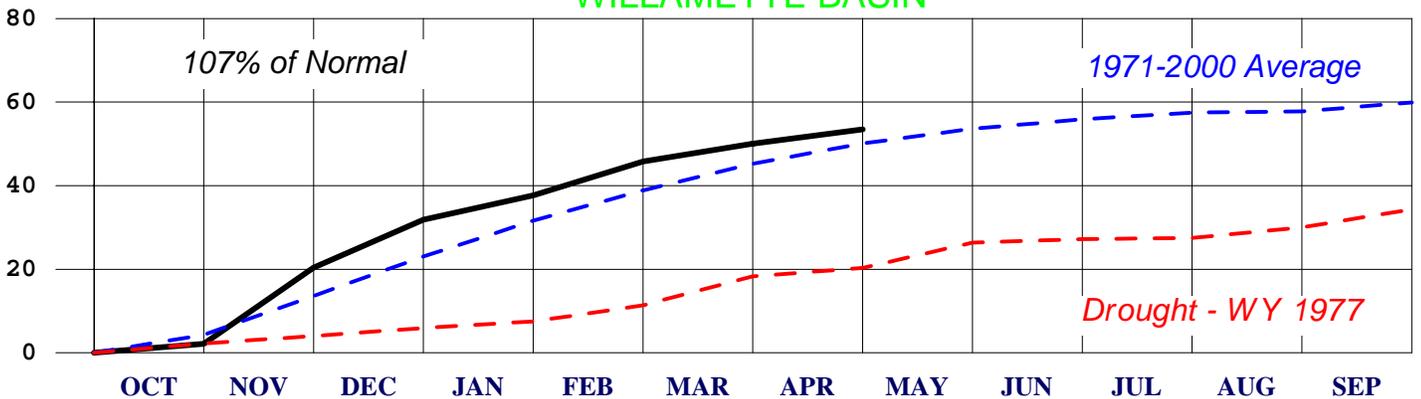
## SNAKE RIVER BASIN ABOVE ICE HARBOR



## COLUMBIA BASIN ABOVE THE DALLES



## WILLAMETTE BASIN



**ACCUMULATED PRECIPITATION IN INCHES**

OCT    NOV    DEC    JAN    FEB    MAR    APR    MAY    JUN    JUL    AUG    SEP

## (Monthly Summary - apr 2007)

DIVISION	..APR TO DAY 30..			....OCT - APR....			
	OBSD	DEP	PCT AV	OBSD	DEP	PCT	AV
COLUMBIA ABOVE COULEE	1.40	-0.25	85.	17.75	1.85	112.	
SNAKE RV AB ICE HARBOR	1.27	-0.19	87.	10.34	-1.41	88.	
COLUMBIA AB THE DALLES	1.37	-0.27	84.	16.79	0.86	105.	
COLUMBIA AB CASTLEGAR	1.83	-0.17	92.	25.00	2.62	112.	
KOOTENAI	1.26	-0.49	72.	19.12	2.78	117.	
CLARK FORK	1.15	-0.09	92.	10.86	0.63	106.	
FLATHEAD	1.48	-0.10	94.	14.47	0.71	105.	
PEND OREILLE/ SPOKANE	1.23	-1.03	55.	21.85	-0.60	97.	
NORTHEAST WASHINGTON	0.67	-0.85	44.	11.67	-0.67	95.	
OKANOGAN	0.44	-0.59	42.	11.28	1.28	113.	
EAST SLOPES WASH CASC.	1.09	-1.03	51.	39.22	5.49	116.	
CENTRAL WASHINGTON	0.38	-0.26	59.	6.31	-0.24	96.	
UPPER SNAKE	1.39	-0.21	87.	11.63	-1.31	90.	
SNAKE RIVER PLAIN	0.97	-0.07	93.	6.04	-1.11	84.	
OWYHEE/ MALHEUR	1.09	0.12	113.	5.74	-1.78	76.	
SALMON/ BOISE/ PAYETTE	1.03	-0.57	64.	12.30	-2.07	86.	
BURNT/ GRANDE RONDE	0.90	-0.46	66.	8.72	-2.25	79.	
CLEARWATER	1.92	-0.74	72.	21.90	0.63	103.	
SOUTHEAST WASHINGTON	0.91	-0.76	54.	13.29	-0.86	94.	
UPPER JOHN DAY	1.38	0.13	111.	10.01	0.07	101.	
UMATILLA/ LWR JOHN DAY	1.48	-0.02	99.	13.30	1.45	112.	
UPR DESCHUTES/ CROOKED	1.00	0.02	102.	10.36	-0.57	95.	
HOOD/ LOWER DESCHUTES	1.42	-0.73	66.	26.97	3.30	114.	
NW SLOPE WASH CASCADES	4.49	-1.73	72.	81.57	9.89	114.	
SW WA CASCADES/COWLITZ	2.81	-2.54	53.	60.28	1.46	102.	
WILLAMETTE VALLEY	3.44	-1.40	71.	53.48	3.37	107.	
ROGUE/ UMPQUA	2.43	-0.35	87.	34.05	3.45	111.	
KLAMATH BASIN	1.17	-0.07	95.	13.58	-1.31	91.	
LAKE COUNTY-GOOSE LAKE	0.99	-0.18	85.	7.26	-1.55	82.	
HARNEY/ MALHEUR BASIN	1.17	0.11	111.	6.37	-1.36	82.	

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.

APRIL 2007 WEATHER WAS FAIRLY UNEVENTFUL FOR MOST LOCATIONS IN THE PACIFIC NORTHWEST. A WEAK UPPER LEVEL TROUGH PERSISTED OVER THE REGION FOR MUCH OF THE MONTH, WITH OCCASIONAL RIDGING IN BETWEEN PACIFIC FRONTAL SYSTEMS. MONTHLY TEMPERATURES AS A WHOLE WERE NEAR NORMAL, AS COOL SHOWERY WEATHER WAS OFTEN OFFSET BY WARM SOUTHERLY FLOW WITHIN THE NEXT COUPLE DAYS.

#### PRECIPITATION SUMMARY

DESPITE A PERSISTENT WEAK TROUGH PATTERN ACROSS MUCH OF THE PACIFIC NORTHWEST, MANY LOCATIONS WEST OF THE CASCADES RECEIVED BELOW TO WELL BELOW NORMAL RAINFALL FOR APRIL. SEATTLE (SEATAC AIRPORT) ONLY RECEIVED 0.69 INCH OF RAIN FOR THE MONTH, ONLY 26 PERCENT OF NORMAL. THERE WERE PLENTY OF RAIN DAYS, BUT FRONTAL SYSTEMS WERE GENERALLY WEAK AND DEVOID OF DEEP MOISTURE AS THEY MOVED ONSHORE. AS A RESULT, NUMEROUS VERY LIGHT RAIN EVENTS OCCURRED WITHOUT ADDING UP TO MUCH.

EAST OF THE CASCADES, AND ACROSS SOUTHWEST OREGON, IT WAS A DIFFERENT STORY. SEVERAL OF THESE WEAK FRONTAL SYSTEMS SPAWNED SECONDARY DISTURBANCES ACROSS THE SOUTHERN TIER. THESE DISTURBANCES OFTEN GENERATED INSTABILITY AND CONVECTIVE SHOWERS ACROSS SOUTHERN AND EASTERN OREGON, WHICH EVENTUALLY MOVED EAST-NORTHEAST INTO THE ROCKIES. THE UPPER DISTURBANCES ALSO PULLED IN PLENTY OF COLD AIR, RESULTING IN OCCASIONAL SNOW DOWN TO VALLEY FLOORS ACROSS NEVADA AND THE MID-UPPER SNAKE PLAIN.

IN THE BIG PICTURE, APRIL PRECIPITATION WAS NEAR TO ABOVE NORMAL IN AREAS THAT NEEDED THE EXTRA PRECIPITATION TO FILL SEASONAL DEFICITS. THE OWYHEE BASIN AND PORTIONS OF THE SNAKE BASIN WERE ABOVE NORMAL FOR THE MONTH. AREAS THAT WERE BELOW NORMAL FOR THE MONTH TENDED TO BE AREAS WHICH ARE ABOVE NORMAL FOR THE SEASON, SUCH AS WESTERN WASHINGTON AND WESTERN OREGON, AS WELL AS PORTIONS OF BRITISH COLUMBIA.

APRIL PRECIPITATION WAS: 93 PERCENT OF NORMAL (1971-2000) AT COLUMBIA ABOVE COULEE, 87 PERCENT OF NORMAL AT THE SNAKE RIVER

ABOVE ICE HARBOR, AND 84 PERCENT OF NORMAL AT COLUMBIA ABOVE THE DALLES.

SEASONAL (OCTOBER THROUGH APRIL) PRECIPITATION WAS: 112 PERCENT OF NORMAL (1971-2000) AT COLUMBIA ABOVE COULEE, 88 PERCENT OF NORMAL AT THE SNAKE RIVER ABOVE ICE HARBOR, AND 105 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 APRIL 2007. FOR OFFICIAL INFORMATION, PLEASE CONTACT YOUR LOCAL FORECAST OFFICE OR THE NATIONAL CLIMATIC DATA CENTER.

#### DAILY MAXIMUM PRECIPITATION RECORDS

ON APRIL 9, 2007

LOCATION	NEW RECORD	PREVIOUS RECORD
BOUNDARY DAM, WA	0.72 INCHES	0.40 INCHES IN 1983
PULLMAN, WA	0.54 INCHES	0.50 INCHES IN 1981

ON APRIL 18, 2007

LOCATION	NEW RECORD	PREVIOUS RECORD
POCATELLO, ID	0.49 INCHES (T)	0.49 INCHES IN 1991
SEATTLE NWS WFO, WA	0.20 INCHES	0.13 INCHES IN 1995

ON APRIL 23, 2007

LOCATION	NEW RECORD	PREVIOUS RECORD
IDAHO FALLS, ID	0.31 INCHES	0.15 INCHES IN 1960

ON APRIL 24, 2007

LOCATION	NEW RECORD	PREVIOUS RECORD
QUILLAYUTE, WA	0.91 INCHES	0.82 INCHES IN 1968

#### TEMPERATURE SUMMARY

WESTERN MONTANA AND WYOMING WERE THE WARMEST WITH RESPECT TO APRIL NORMALS, TEMPERATURES THERE RANGED 1 TO 3 DEGREES ABOVE NORMAL FOR THE MONTH. THE WEAK PACIFIC INFLUENCE WAS GENERALLY ENOUGH TO KEEP MOST LATE SEASON ARCTIC INTRUSIONS WELL EAST OF THE NWRFC AREA. HOWEVER ONE COLD SNAP EARLY IN THE MONTH BROKE SEVERAL RECORD LOW

TEMPERATURES THROUGHOUT THE PACIFIC NORTHWEST APRIL 3. WITHIN A COUPLE DAYS RIDGING RETURNED TO THE AREA, AND SEVERAL RECORD HIGH TEMPERATURES WERE SET APRIL 5-7 ACROSS WASHINGTON, OREGON, AND IDAHO.

THE 31 STATION TEMPERATURE INDEX FOR THE PACIFIC NORTHWEST DEPARTED +0.4 DEGREES FROM NORMAL RELATIVE TO THE 1971-2000 NORMALS. MEAN TEMPERATURE DEPARTURES RANGED FROM -2.5 TO 2.9 DEGREES.

THE FOLLOWING IS A LIST SUMMARIZING SOME OF THE TEMPERATURE RECORDS BROKEN DURING THE MONTH OF APRIL 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 APRIL WERE:

ON APRIL 5, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
SEATTLE NWS WFO, WA	74	68 SET IN 1996
ASTORIA, OR	68 (T)	68 SET IN 1960
QUILLAYUTE, WA	68 (T)	68 SET IN 1977

ON APRIL 6, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
SEATTLE NWS WFO, WA	80	65 SET IN 2005
HILLSBORO, OR	79	78 SET IN 1985
OLYMPIA, WA	79	77 SET IN 1977
PORTLAND, OR	78	77 SET IN 1985
VANCOUVER, WA	78	76 SET IN 1996
SEATAC AIRPORT, WA	78	73 SET IN 1977
PULLMAN, WA	71	70 SET IN 1960
QUILLAYUTE, WA	69	66 SET IN 1985
MEACHAM, OR	66 (T)	66 SET IN 2005

ON APRIL 7, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
DWORSHAK, ID	79	78 SET IN 1996

PIERCE, ID 72 (T) 72 SET IN 1934

ON APRIL 28, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
WINNEMUCCA, NV	84	83 SET IN 1977

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

ON APRIL 1, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
YAKIMA, WA	20	21 SET IN 1909

ON APRIL 2, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
YAKIMA, WA	22 (T)	22 SET IN 1909
EPHRATA, WA	26 (T)	26 SET IN 1953

ON APRIL 3, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
REDMOND, OR	11	12 SET IN 1964
MULLAN PASS, ID	16 (T)	16 SET IN 1950
MEACHAM, OR	17	20 SET IN 2002
GOLDENDALE, WA	19	20 SET IN 1970
UNION, OR	20	21 SET IN 1970
MONUMENT, OR	20	21 SET IN 1972
MORO, OR	21	22 SET IN 1972
YAKIMA, WA	21 (T)	21 SET IN 1975
PENDLETON, OR	22	24 SET IN 1935
MITCHELL, OR	22 (T)	22 SET IN 1980
THE DALLES, OR	23	26 SET IN 1972
CHIEF JOSEPH DAM, WA	23	25 SET IN 1955
OLYMPIA, WA	25 (T)	25 SET IN 2002
QUILLAYUTE, WA	26	27 SET IN 1998
HILLSBORO, OR	27	28 SET IN 1965
ASTORIA, OR	30 (T)	30 SET IN 1967
SEATTLE NWS WFO, WA	34 (T)	34 SET IN 1996

ON APRIL 11, 2007:

LOCATION	NEW RECORD	PREVIOUS RECORD
MOSES LAKE, WA	22	24 SET IN 1970

LA GRANDE, OR	23	24 SET IN 1999
ON APRIL 12, 2007:		
LOCATION	NEW RECORD	PREVIOUS RECORD
COLVILLE, WA	15	20 SET IN 1912
DAVENPORT, WA	20	21 SET IN 1983
IDAHO FALLS, ID	20	22 SET IN 1987
ON APRIL 13, 2007:		
LOCATION	NEW RECORD	PREVIOUS RECORD
IDAHO FALLS, ID	17 (T)	17 SET IN 1987
ON APRIL 16, 2007:		
LOCATION	NEW RECORD	PREVIOUS RECORD
BOUNDARY DAM, WA	25 (T)	25 SET IN 1999
ON APRIL 18, 2007:		
LOCATION	NEW RECORD	PREVIOUS RECORD
DAYTON, WA	23	25 SET IN 1972
ON APRIL 20, 2007:		
LOCATION	NEW RECORD	PREVIOUS RECORD
MOSES LAKE, WA	24	25 SET IN 1982
POMEROY, WA	25 (T)	25 SET IN 1972
SEATTLE NWS WFO, WA	37 (T)	37 SET IN 1996
ON APRIL 21, 2007:		
LOCATION	NEW RECORD	PREVIOUS RECORD
BOUNDARY DAM, WA	25	26 SET IN 2006

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US Dept of Commerce  
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National Weather Service  
Northwest River Forecast Center (NWRFC)  
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Portland, Oregon 97230-1089  
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