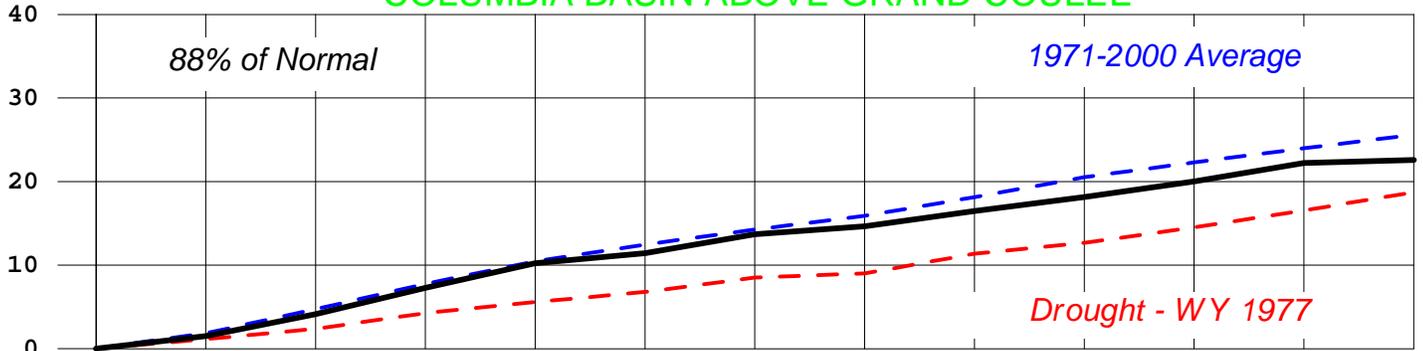
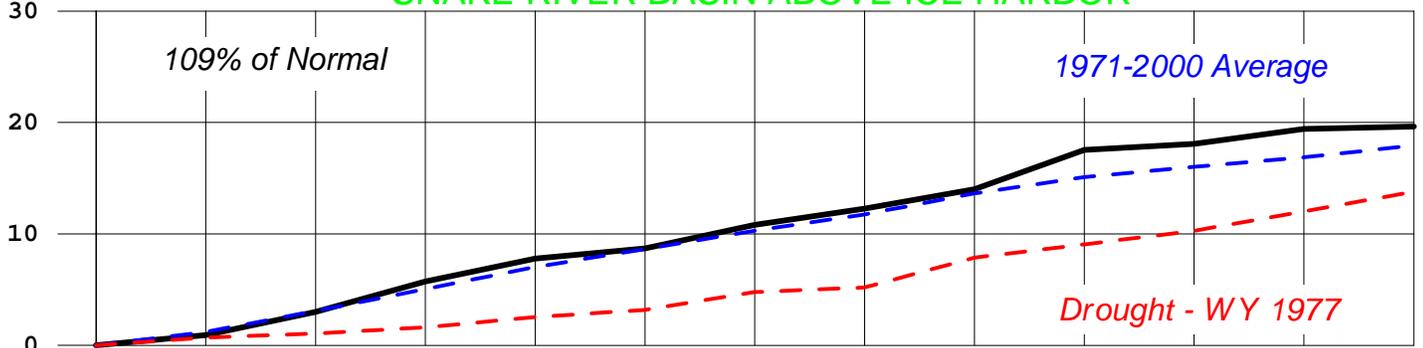


# CUMULATIVE PRECIPITATION WATER YEAR 2009

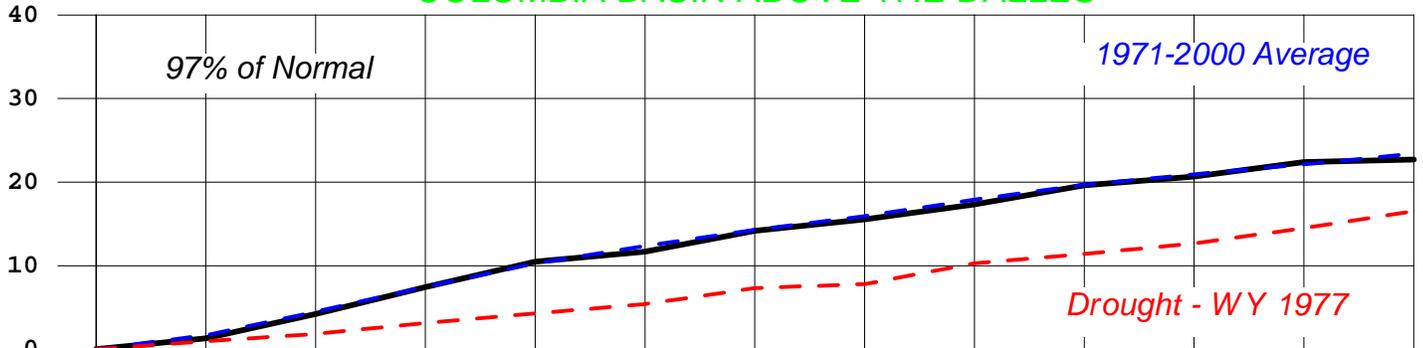
## COLUMBIA BASIN ABOVE GRAND COULEE



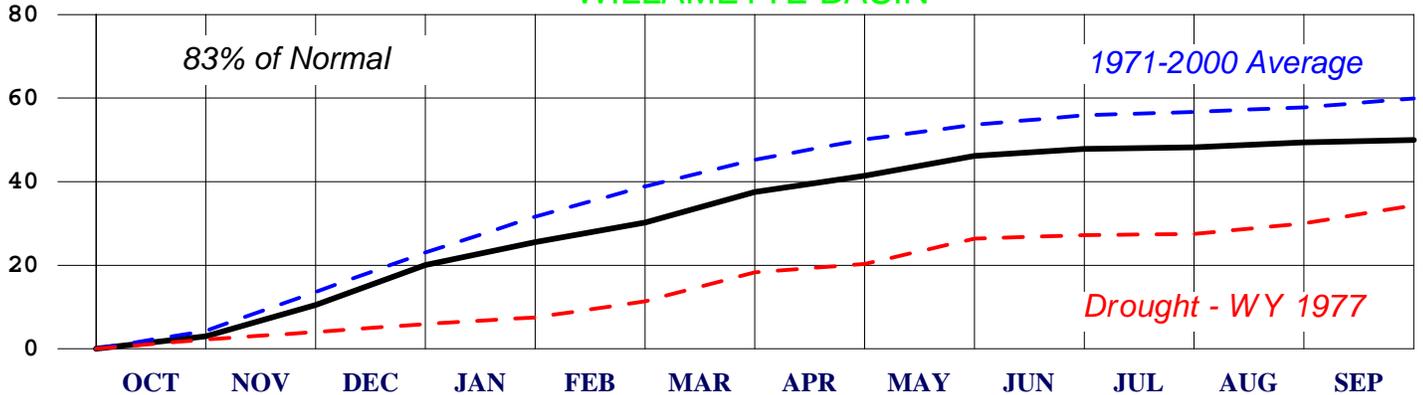
## SNAKE RIVER BASIN ABOVE ICE HARBOR



## COLUMBIA BASIN ABOVE THE DALLES



## WILLAMETTE BASIN



**ACCUMULATED PRECIPITATION IN INCHES**

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



## Water Supply Precipitation Summary

### Weekly Divisional Precipitation Summary

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09/29/2009

#### Columbia Basin Seasonal Precipitation Division Averages Northwest River Forecast Center

(Weekly Summary: 12Z sep 1 - 28, 2009)

DIVISION	..SEP TO DAY 28..			....OCT - SEP....		
	OBSD	DEP	PCT AV	OBSD	DEP	PCT AV
COLUMBIA ABOVE COULEE	0.85	-0.65	56.	22.61	-2.88	89.
SNAKE RV AB ICE HARBOR	0.15	-0.84	15.	19.53	1.66	109.
COLUMBIA AB THE DALLES	0.54	-0.67	45.	22.63	-0.71	97.
COLUMBIA AB CASTLEGAR	2.12	0.02	101.	29.55	-5.11	85.
KOOTENAI	1.07	-0.44	71.	22.47	-3.65	86.
CLARK FORK	0.18	-0.95	16.	17.92	0.09	101.
FLATHEAD	0.33	-1.19	22.	20.46	-3.10	87.
PEND OREILLE/ SPOKANE	0.39	-1.01	28.	28.79	-2.50	92.
NORTHEAST WASHINGTON	0.48	-0.48	50.	16.13	-3.69	81.
OKANOGAN	0.84	-0.08	91.	13.69	-2.56	84.
EAST SLOPES WASH CASC.	1.00	-0.29	78.	34.36	-5.07	87.
CENTRAL WASHINGTON	0.21	-0.20	51.	7.25	-1.87	79.
UPPER SNAKE	0.42	-0.93	31.	25.68	4.55	122.
SNAKE RIVER PLAIN	0.18	-0.61	23.	12.87	1.32	111.
OWYHEE/ MALHEUR	0.04	-0.52	6.	12.13	0.93	108.
SALMON/ BOISE/ PAYETTE	0.05	-0.90	5.	19.03	-1.05	95.
BURNT/ GRANDE RONDE	0.06	-0.71	7.	16.84	0.46	103.
CLEARWATER	0.13	-1.45	8.	32.20	1.18	104.
SOUTHEAST WASHINGTON	0.13	-0.74	15.	19.59	-0.12	99.
UPPER JOHN DAY	0.03	-0.63	5.	14.37	-0.52	97.
UMATILLA/ LWR JOHN DAY	0.13	-0.58	18.	17.15	0.76	105.
UPR DESCHUTES/ CROOKED	0.04	-0.52	6.	14.38	-0.26	98.
HOOD/ LOWER DESCHUTES	0.52	-0.56	48.	31.84	3.21	111.
NW SLOPE WASH CASCADES	3.31	-0.37	90.	76.64	-11.34	87.
SW WA CASCADES/COWLITZ	2.17	-0.73	75.	62.56	-8.84	88.
WILLAMETTE VALLEY	1.03	-0.95	52.	49.65	-10.13	83.
ROGUE/ UMPQUA	0.26	-0.82	24.	29.96	-5.88	84.
KLAMATH BASIN	0.08	-0.57	12.	16.95	-1.63	91.
LAKE COUNTY-GOOSE LAKE	0.09	-0.55	14.	11.81	-1.04	92.
HARNEY/ MALHEUR BASIN	0.08	-0.49	13.	11.44	-0.17	99.

This precipitation summary for the Columbia River Basin is based on an 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.

### Monthly Divisional Precipitation Summary

Click on date to display forecast:

9/2009

#### COLUMBIA BASIN SEASONAL PRECIPITATION DIVISION AVERAGES NORTHWEST RIVER FORECAST CENTER

(MONTHLY SUMMARY - SEP 2009)

DIVISION	..SEP TO DAY 30..			....OCT - SEP....		
	OBSD	DEP	PCT AV	OBSD	DEP	PCT AV
COLUMBIA ABOVE COULEE	0.82	-0.79	51.	22.59	-3.01	88.

SNAKE RV AB ICE HARBOR	0.26	-0.80	25.	19.64	1.70	109.
COLUMBIA AB THE DALLES	0.62	-0.68	47.	22.70	-0.72	97.
COLUMBIA AB CASTLEGAR	1.99	-0.26	89.	29.43	-5.38	85.
KOOTENAI	0.85	-0.77	52.	22.25	-3.98	85.
CLARK FORK	0.34	-0.87	28.	18.08	0.17	101.
FLATHEAD	0.36	-1.27	22.	20.49	-3.18	87.
PEND OREILLE/ SPOKANE	0.40	-1.10	27.	28.81	-2.59	92.
NORTHEAST WASHINGTON	0.50	-0.53	49.	16.15	-3.74	81.
OKANOGAN	0.86	-0.12	88.	13.72	-2.60	84.
EAST SLOPES WASH CASC.	1.15	-0.23	83.	34.51	-5.02	87.
CENTRAL WASHINGTON	0.23	-0.21	53.	7.27	-1.88	79.
UPPER SNAKE	0.58	-0.87	40.	25.84	4.61	122.
SNAKE RIVER PLAIN	0.35	-0.49	42.	13.05	1.44	112.
OWYHEE/ MALHEUR	0.08	-0.52	13.	12.17	0.93	108.
SALMON/ BOISE/ PAYETTE	0.11	-0.91	11.	19.09	-1.06	95.
BURNT/ GRANDE RONDE	0.02	-0.80	3.	16.81	0.37	102.
CLEARWATER	0.22	-1.48	13.	32.29	1.15	104.
SOUTHEAST WASHINGTON	0.12	-0.81	13.	19.58	-0.19	99.
UPPER JOHN DAY	0.03	-0.68	5.	14.38	-0.56	96.
UMATILLA/ LWR JOHN DAY	0.10	-0.66	13.	17.12	0.68	104.
UPR DESCHUTES/ CROOKED	0.02	-0.57	4.	14.37	-0.31	98.
HOOD/ LOWER DESCHUTES	0.83	-0.33	71.	32.15	3.44	112.
NW SLOPE WASH CASCADES	3.74	-0.21	95.	77.07	-11.18	87.
SW WA CASCADES/COWLITZ	2.35	-0.76	76.	62.74	-8.87	88.
WILLAMETTE VALLEY	1.37	-0.76	64.	49.98	-9.94	83.
ROGUE/ UMPQUA	0.47	-0.69	40.	30.16	-5.76	84.
KLAMATH BASIN	0.04	-0.65	6.	16.91	-1.71	91.
LAKE COUNTY-GOOSE LAKE	0.02	-0.66	3.	11.75	-1.15	91.
HARNEY/ MALHEUR BASIN	0.09	-0.52	15.	11.46	-0.19	98.

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.

NORTHWEST RIVER FORECAST CENTER PORTLAND OR

PRECIPITATION, TEMPERATURE, SNOW, AND STREAMFLOW SUMMARIES

SEP 09

#### WEATHER SUMMARY

A STRONG COLD FRONTAL SYSTEM BROUGHT HEAVY PRECIPITATION AND COOL TEMPERATURES TO THE PACIFIC NORTHWEST THE END OF FIRST WEEK OF SEPTEMBER. HIGH PRESSURE BUILT OVER THE REGION BEHIND THIS SYSTEM TO BRING WARM AND DRY CONDITIONS THROUGH THE SECOND WEEK OF THE MONTH. OVERALL...HIGH PRESSURE DOMINATED THE WEATHER OVER THE COLUMBIA BASIN THROUGH THE THIRD AND BEGINNING OF THE FOURTH WEEK TOO..BRINGING WARM AND MAINLY DRY CONDITIONS. A STRONG STORM BUILT OVER THE NORTHWEST AT THE END OF THE MONTH BRINGING RAIN AND MOUNTAIN SNOW...ALONG WITH COOLER TEMPERATURES TO THE REGION.

#### PRECIPITATION SUMMARY

SEPTEMBER PRECIPITATION WAS: 51 PERCENT OF NORMAL (1971-2000) AT COLUMBIA ABOVE COULEE, 25 PERCENT OF NORMAL AT THE SNAKE RIVER ABOVE ICE HARBOR, AND 47 PERCENT OF NORMAL AT COLUMBIA ABOVE THE DALLES.

SEASONAL (OCTOBER THROUGH SEPTEMBER) PRECIPITATION WAS: 88 PERCENT OF NORMAL (1971-2000) AT COLUMBIA ABOVE COULEE, 109 PERCENT OF NORMAL AT THE SNAKE RIVER ABOVE ICE HARBOR, AND 97 PERCENT OF NORMAL AT COLUMBIA ABOVE THE DALLES.

#### TEMPERATURE SUMMARY

THE 37 STATION TEMPERATURE INDEX FOR THE PACIFIC NORTHWEST DEPARTED  
+0.7 DEGREES FROM NORMAL RELATIVE TO THE 1971-2000 NORMALS. MEAN  
TEMPERATURE DEPARTURES RANGED FROM -1.3 TO 2.7 DEGREES.

MONTHLY PRECIPITATION AND TEMPERATURE RECORDS

PARTIAL LIST OF RECORD HIGH AND LOW TEMPERATURES IN DEGREES (F) ARE LISTED BELOW.  
PRECIPITATION IS REPORTED IN INCHES.

PLEASE SEE THE COMPLETE LIST OF RECORDS AT THE NATIONAL WEATHER SERVICE FIELD  
OFFICES CLIMATOLOGY WEB PAGES.

09/05 A RECORD RAINFALL OF 0.21 INCHES WAS SET AT YAKIMA WA.  
A RECORD RAINFALL OF 0.58 INCHES WAS SET AT NORTH BEND OR.  
A RECORD RAINFALL OF 0.75 INCHES WAS SET AT PORTLAND OR.

09/06 A RECORD RAINFALL OF 0.93 INCHES WAS SET AT SEATAC WA.  
A RECORD RAINFALL OF 1.54 INCHES WAS SET AT OLYMPIA WA.  
A RECORD RAINFALL OF 0.13 INCHES WAS SET AT MOSES LAKE WA.

09/07 A RECORD LOW TEMPERATURE OF 32 DEGREES WAS SET AT KLAMATH FALLS OR.

09/10 A RECORD LOW TEMPERATURE OF 32 DEGREES WAS SET AT ROME OR.

09/11 A RECORD HIGH TEMPERATURE OF 93 DEGREES WAS SET AT PORTLAND OR.  
A RECORD HIGH TEMPERATURE OF 88 DEGREES WAS SET AT ASTORIA OR.  
A RECORD HIGH TEMPERATURE OF 87 DEGREES WAS SET AT SEATAC WA.  
A RECORD HIGH TEMPERATURE OF 87 DEGREES WAS SET AT QUILLAYUTE WA.  
A RECORD HIGH TEMPERATURE OF 96 DEGREES WAS SET AT THE DALLES OR.

09/12 A RECORD HIGH TEMPERATURE OF 86 DEGREES WAS SET AT OLYMPIA WA.  
A RECORD HIGH TEMPERATURE OF 78 DEGREES WAS SET AT STAMPEDE PASS WA.  
A RECORD HIGH TEMPERATURE OF 92 DEGREES WAS SET AT BURNS OR.

09/13 A RECORD HIGH TEMPERATURE OF 94 DEGREES WAS SET AT EPHRATA WA.  
A RECORD HIGH TEMPERATURE OF 94 DEGREES WAS SET AT WENATCHEE WA.  
A RECORD HIGH TEMPERATURE OF 94 DEGREES WAS SET AT OMAK WA.

09/14 A RECORD RAINFALL OF 0.60 INCHES WAS SET AT POCATELLO ID.

09/16 A RECORD HIGH TEMPERATURE OF 88 DEGREES WAS SET AT KALISPELL MT.

A RECORD HIGH TEMPERATURE OF 91 DEGREES WAS SET AT MISSOULA MT.

09/19 A RECORD HIGH TEMPERATURE OF 89 DEGREES WAS SET AT CHALLIS ID.  
A RECORD HIGH TEMPERATURE OF 86 DEGREES WAS SET AT BUTTE MT.  
A RECORD HIGH TEMPERATURE OF 88 DEGREES WAS SET AT MISSOULA MT.

09/22 A RECORD HIGH TEMPERATURE OF 90 DEGREES WAS SET AT PENDLETON OR.  
A RECORD HIGH TEMPERATURE OF 92 DEGREES WAS SET AT ASTORIA OR.

09/23 A RECORD HIGH TEMPERATURE OF 92 DEGREES WAS SET AT PENDLETON OR.  
A RECORD HIGH TEMPERATURE OF 89 DEGREES WAS SET AT QUILLAYUTE WA.  
A RECORD HIGH TEMPERATURE OF 92 DEGREES WAS SET AT SISTERS OR.  
A RECORD HIGH TEMPERATURE OF 94 DEGREES WAS SET AT BEND OR.  
A RECORD HIGH TEMPERATURE OF 78 DEGREES WAS SET AT MULLAN PASS ID.  
A RECORD HIGH TEMPERATURE OF 78 DEGREES WAS SET AT PULLMAN WA.

09/24 A RECORD HIGH TEMPERATURE OF 76 DEGREES WAS SET AT MULLAN PASS ID.  
A RECORD HIGH TEMPERATURE OF 90 DEGREES WAS SET AT WENATCHEE WA.  
A RECORD HIGH TEMPERATURE OF 84 DEGREES WAS SET AT SANDPOINT ID.  
A RECORD HIGH TEMPERATURE OF 85 DEGREES WAS SET AT BUTTE MT.  
A RECORD HIGH TEMPERATURE OF 90 DEGREES WAS SET AT BURNS OR.

09/25 A RECORD HIGH TEMPERATURE OF 90 DEGREES WAS SET AT BURNS OR.  
A RECORD HIGH TEMPERATURE OF 94 DEGREES WAS SET AT ONTARIO OR.  
A RECORD HIGH TEMPERATURE OF 86 DEGREES WAS SET AT MISSOULA MT.  
A RECORD HIGH TEMPERATURE OF 85 DEGREES WAS SET AT CHALLIS ID.

09/29 A RECORD RAINFALL OF 0.37 INCHES WAS SET AT STANLEY ID.

09/30 A RECORD RAINFALL OF 0.49 INCHES WAS SET AT BUTTE MT.