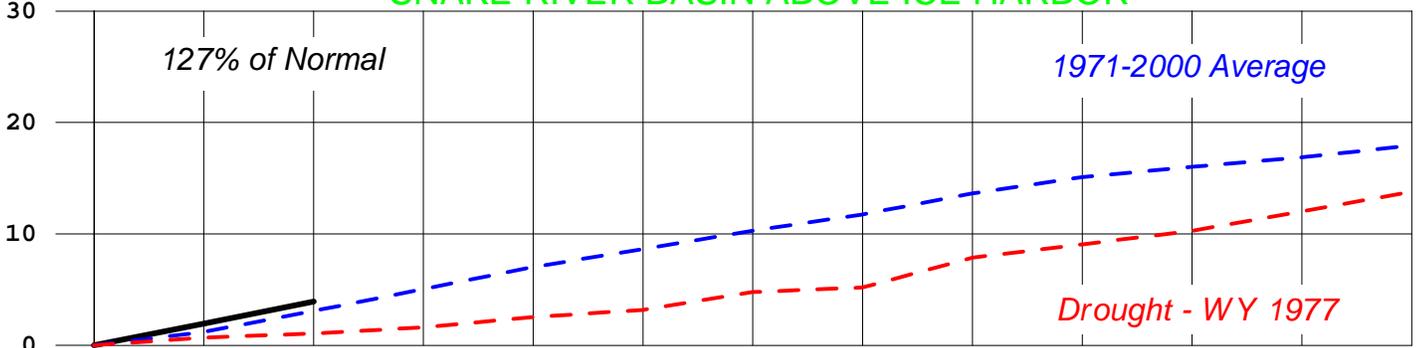


# CUMULATIVE PRECIPITATION WATER YEAR 2011

## 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



# Northwest River Forecast Center

## Seasonal Divisional Precipitation Summary

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### Monthly Divisional Precipitation Summary

Columbia Basin Seasonal Precipitation Division Averages  
Northwest River Forecast Center

(Monthly Summary - nov 2010)

DIVISION	..NOV TO DAY 30..			....OCT - NOV....		
	OBSD	DEP	PCT AV	OBSD	DEP	PCT AV
COLUMBIA ABOVE COULEE	2.94	0.06	102.	4.66	-0.07	98.
SNAKE RV AB ICE HARBOR	1.99	0.11	106.	3.92	0.84	127.
COLUMBIA AB THE DALLES	2.89	0.06	102.	4.91	0.42	109.
COLUMBIA AB CASTLEGAR	3.66	-0.37	91.	5.65	-1.18	83.
KOOTENAI	2.78	-0.31	90.	4.49	-0.45	91.
CLARK FORK	1.92	0.21	112.	3.34	0.45	115.
FLATHEAD	3.07	0.66	127.	4.58	0.49	112.
PEND OREILLE/ SPOKANE	4.13	-0.02	99.	7.08	0.79	113.
NORTHEAST WASHINGTON	2.35	0.13	106.	4.12	0.75	122.
OKANOGAN	1.62	-0.15	92.	2.62	-0.16	94.
EAST SLOPES WASH CASC.	5.03	-1.55	76.	7.58	-1.79	81.
CENTRAL WASHINGTON	1.04	-0.17	86.	1.91	0.09	105.
UPPER SNAKE	2.73	0.78	140.	5.01	1.55	145.
SNAKE RIVER PLAIN	1.40	0.32	130.	2.95	1.01	152.
OWYHEE/ MALHEUR	1.57	0.37	131.	3.12	1.18	161.
SALMON/ BOISE/ PAYETTE	2.25	-0.16	93.	4.27	0.62	117.
BURNT/ GRANDE RONDE	1.61	-0.37	82.	3.34	0.31	110.
CLEARWATER	2.81	-0.81	78.	5.74	-0.05	99.
SOUTHEAST WASHINGTON	2.74	0.20	108.	4.95	0.96	124.
UPPER JOHN DAY	2.05	0.28	116.	4.09	1.36	150.
UMATILLA/ LWR JOHN DAY	2.45	0.29	114.	4.48	1.15	135.
UPR DESCHUTES/ CROOKED	2.01	0.01	100.	4.34	1.42	149.
HOOD/ LOWER DESCHUTES	4.68	0.29	107.	7.74	1.29	120.
NW SLOPE WASH CASCADES	11.38	-2.39	83.	19.02	-2.11	90.
SW WA CASCADES/COWLITZ	10.33	-0.72	93.	17.54	0.96	106.
WILLAMETTE VALLEY	8.26	-1.06	89.	15.95	2.34	117.
ROGUE/ UMPQUA	4.79	-0.99	83.	8.56	0.22	103.
KLAMATH BASIN	2.38	-0.26	90.	5.13	1.34	135.
LAKE COUNTY-GOOSE LAKE	1.47	0.02	102.	3.36	1.06	146.
HARNEY/ MALHEUR BASIN	1.64	0.42	134.	3.27	1.26	163.

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

NOV 10

WEATHER SUMMARY

A LOW PRESSURE TROUGH RESIDED OVER THE WESTERN U.S. AND CANADA FOR MUCH OF THE MONTH OF NOVEMBER. THIS HELPED BRING COLD AIR DOWN FROM THE ARCTIC INTO THE REGION. ARCTIC INFLUENCE HELPED KEEP TEMPERATURES COOLER THAN NORMAL. PRECIPITATION TRENDED NEAR NORMAL FOR MOST OF THE REGION. THE EXCEPTIONS WERE OVER SOUTHERN BRITISH COLUMBIA WHERE PRECIPITATION WAS SLIGHTLY BELOW NORMAL...AND NEAR THE GREAT DIVIDE WHERE PRECIPITATION WAS SLIGHTLY ABOVE NORMAL.

PRECIPITATION SUMMARY

NOVEMBER PRECIPITATION WAS: 102 PERCENT OF NORMAL (1971-2000) AT COLUMBIA ABOVE COULEE, 106 PERCENT OF NORMAL AT THE SNAKE RIVER ABOVE ICE HARBOR, AND 102 PERCENT OF NORMAL AT COLUMBIA ABOVE THE DALLES.

SEASONAL (OCTOBER THROUGH NOVEMBER) PRECIPITATION WAS: 98 PERCENT OF NORMAL (1971-2000) AT COLUMBIA ABOVE COULEE, 127 PERCENT OF NORMAL AT THE SNAKE RIVER ABOVE ICE HARBOR, AND 109 PERCENT OF NORMAL AT COLUMBIA ABOVE THE DALLES.

TEMPERATURE SUMMARY

THE 37 STATION TEMPERATURE INDEX FOR THE PACIFIC NORTHWEST DEPARTED -1.7 DEGREES FROM NORMAL RELATIVE TO THE 1971-2000 NORMALS. MEAN TEMPERATURE DEPARTURES RANGED FROM -4.8 TO 0.4 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.

11/06            A RECORD HIGH TEMPERATURE OF 69 DEGREES WAS SET AT IDAHO FALLS ID.

11/07            A RECORD RAINFALL OF 0.47 INCHES WAS SET AT BOISE ID.

A RECORD HIGH TEMPERATURE OF 66 DEGREES WAS SET AT PULLMAN WA.

11/08 A RECORD DAILY MAXIMUM PRECIPITATION OF 0.69 INCHES WAS SET AT POCATELLO ID.

11/09 A RECORD DAILY MAXIMUM PRECIPITATION OF 0.72 INCHES WAS SET AT POCATELLO ID.

11/15 A RECORD HIGH TEMPERATURE OF 61 DEGREES WAS SET AT WENATCHEE WA.

11/17 A RECORD RAINFALL OF 1.3 INCHES WAS SET AT TROUTDALE OR.

11/20 A RECORD DAILY MAXIMUM PRECIPITATION OF 0.60 INCHES WAS SET AT IDAHO FALLS ID.

11/21 A RECORD LOW TEMPERATURE OF 6 DEGREES WAS SET AT MULLAN PASS ID.

11/24 A RECORD LOW TEMPERATURE OF 14 DEGREES WAS SET AT SEA-TAC WA.

A RECORD LOW TEMPERATURE OF -10 DEGREES WAS SET AT PULLMAN WA.

A RECORD LOW TEMPERATURE OF -7 DEGREES WAS SET AT PENDLETON OR.

A RECORD LOW TEMPERATURE OF -18 DEGREES WAS SET AT MCCALL ID.

A RECORD LOW TEMPERATURE OF -11 DEGREES WAS SET AT MISSOULA MT.

A RECORD LOW TEMPERATURE OF -22 DEGREES WAS SET AT BUTTE MT.

11/25 A RECORD LOW TEMPERATURE OF -6 DEGREES WAS SET AT PENDLETON OR.