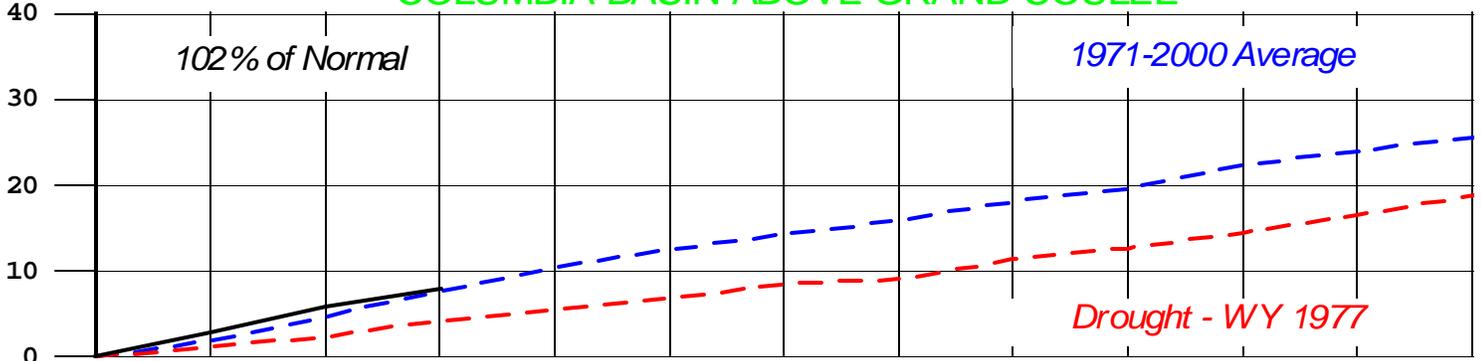


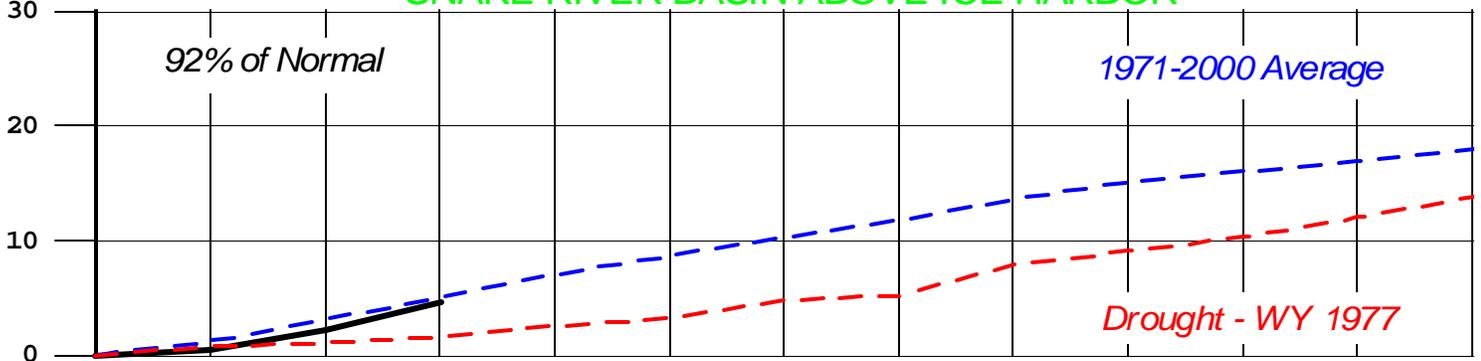
CUMULATIVE PRECIPITATION WATER YEAR 2004

ACCUMULATED PRECIPITATION IN INCHES

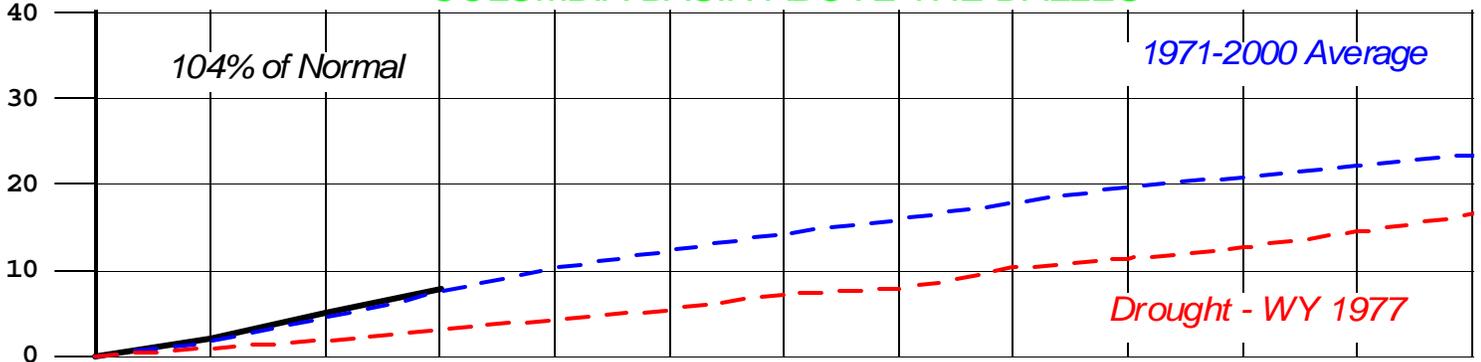
COLUMBIA BASIN ABOVE GRAND COULEE



SNAKE RIVER BASIN ABOVE ICE HARBOR



COLUMBIA BASIN ABOVE THE DALLES



WILLAMETTE BASIN



LAKE COUNTY-GOOSE LAKE 1.46 .13 110. 2.59 -1.04 71.
 HARNEY/ MALHEUR BASIN 1.27 .08 107. 2.49 -.71 78.

This precipitation summary for the Columbia River Basin is based 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:](#)

12-2003	11-2003	11-2003	10-2003	9-2003	8-2003	7-2003	6-2003	5-2003	4-2003	3-2003
-------------------------	-------------------------	-------------------------	-------------------------	------------------------	------------------------	------------------------	------------------------	------------------------	------------------------	------------------------

Columbia Basin Seasonal Precipitation Division Averages Northwest River Forecast Center

(Monthly Summary - Dec 2003)

DIVISION	..DEC TO DAY 31..		OCT - DEC....			
	OBSD	DEP	PCT AV	OBSD	DEP	PCT	AV
COLUMBIA ABOVE COULEE	2.19	-.83	73.	7.88	.13	102.	
SNAKE RV AB ICE HARBOR	2.58	.61	131.	4.64	-.41	92.	
COLUMBIA AB THE DALLES	2.91	-.07	98.	7.75	.28	104.	
COLUMBIA AB CASTLEGAR	2.90	-1.39	68.	12.35	1.23	111.	
KOOTENAI	2.32	-.84	73.	8.33	.23	103.	
CLARK FORK	1.49	-.32	82.	4.52	-.18	96.	
FLATHEAD	1.81	-.64	74.	5.98	-.56	91.	
PEND OREILLE/ SPOKANE	4.14	-.07	98.	10.51	.01	100.	
NORTHEAST WASHINGTON	1.87	-.51	78.	4.39	-1.36	76.	
OKANOGAN	1.58	-.40	80.	5.92	1.16	124.	
EAST SLOPES WASH CASC.	4.92	-2.25	69.	17.79	1.25	108.	
CENTRAL WASHINGTON	1.55	.21	116.	2.33	-.83	74.	
UPPER SNAKE	3.09	.95	145.	5.94	.34	106.	
SNAKE RIVER PLAIN	1.37	.35	134.	2.44	-.52	82.	
OWYHEE/ MALHEUR	1.74	.51	142.	2.76	-.41	87.	
SALMON/ BOISE/ PAYETTE	3.62	.99	138.	5.58	-.70	89.	
BURNT/ GRANDE RONDE	2.54	.60	131.	4.25	-.72	86.	
CLEARWATER	3.89	.35	110.	9.25	-.08	99.	
SOUTHEAST WASHINGTON	2.88	.49	120.	5.23	-1.15	82.	
UPPER JOHN DAY	2.61	.87	150.	4.80	.33	107.	
UMATILLA/ LWR JOHN DAY	3.34	1.43	175.	6.07	.83	116.	
UPR DESCHUTES/ CROOKED	3.43	1.39	168.	5.40	.44	109.	
HOOD/ LOWER DESCHUTES	5.49	.86	119.	11.01	-.07	99.	

NW SLOPE WASH CASCADES	9.18	-4.05	69.	41.24	6.88	120.
SW WA CASCADES/COWLITZ	9.68	-1.40	87.	26.50	-1.16	96.
WILLAMETTE VALLEY	12.44	3.00	132.	22.99	-.06	100.
ROGUE/ UMPQUA	9.50	3.78	166.	14.70	.64	105.
KLAMATH BASIN	4.31	1.45	151.	6.40	-.25	96.
LAKE COUNTY-GOOSE LAKE	1.82	.40	128.	2.94	-.78	79.
HARNEY/ MALHEUR BASIN	1.76	.49	138.	2.97	-.31	91.

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.

NEAR NORMAL TEMPERATURES AND BELOW NORMAL PRECIPITATION ACROSS THE ABOVE NORMAL TEMPERATURES AND ABOVE NORMAL PRECIPITATION ACROSS THE

An active west-to-east oriented jetstream was parked across the region through much of December. Storm systems frequently impacted the region helping to push precipitation to above normal levels across Oregon and Southern Idaho. A mild westerly flow off the Pacific led to above normal temperatures across the south and near normal temperatures across the north.

PRECIPITATION SUMMARY

December precipitation was: 73 percent of normal (1971-2000) at Columbia above Coulee, 131 percent of normal at the Snake River above Ice Harbor and 98 percent of normal at Columbia above the Dalles.

Seasonal (October through December) precipitation was: 102 percent of normal (1971-2000) at Columbia above Coulee, 92 percent of normal at the Snake River above Ice Harbor, and 104 percent of normal at Columbia above the Dalles.

Daily precipitation records broken in December included 0.75 inches at Spokane on the 5th, 2.23 inches at Salem on the 13th, and 2.68 inches at Eugene on the 13th.

TEMPERATURE SUMMARY

The 31 station temperature index for the Pacific Northwest departed from normal degrees from normal relative to the 1971-2000 normals. Mean temperature departures ranged from -1.6 to 6.7 degrees.

High temperature records tied or broken in December included 54 at Medford and Sea-Tac Airport on the 18th and 65 (tie) at Medford on the 19th.

There were no low temperature records tied or broken in December.