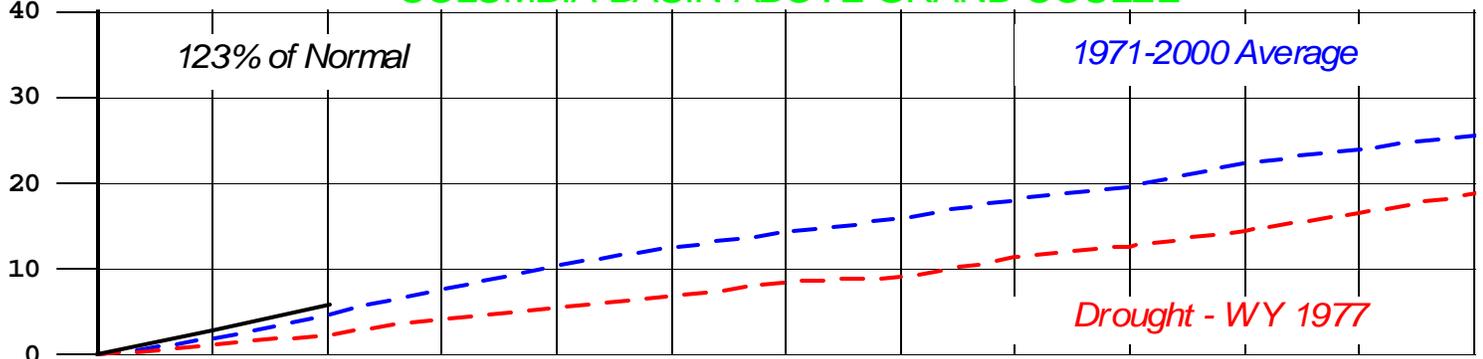


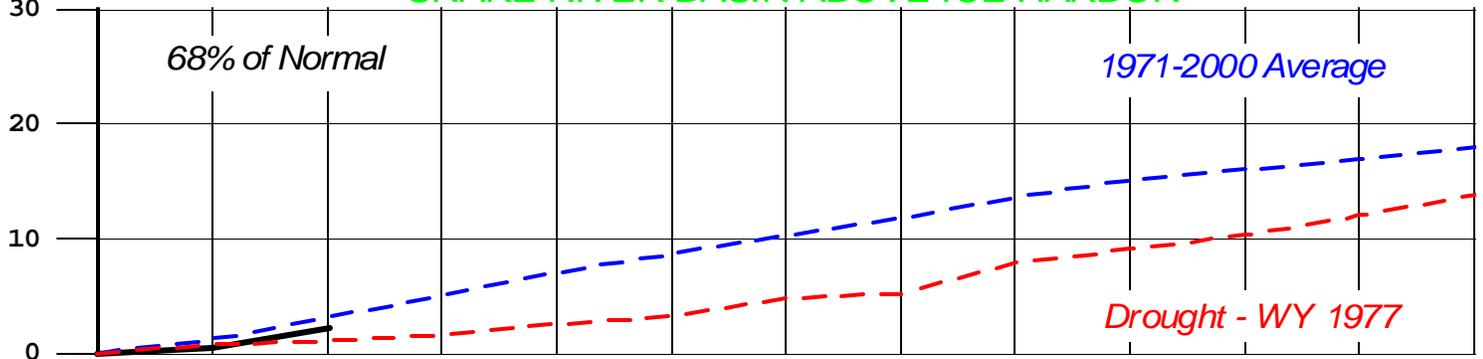
CUMULATIVE PRECIPITATION WATER YEAR 2004

ACCUMULATED PRECIPITATION IN INCHES

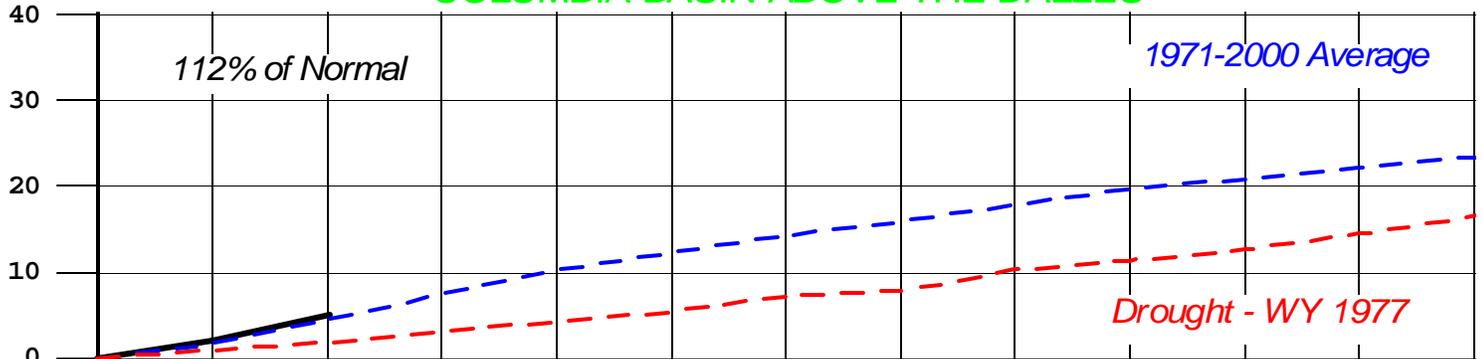
COLUMBIA BASIN ABOVE GRAND COULEE



SNAKE RIVER BASIN ABOVE ICE HARBOR



COLUMBIA BASIN ABOVE THE DALLES



WILLAMETTE BASIN



LAKE COUNTY-GOOSE LAKE .48 -.68 41. .69 -1.32 34.
 HARNEY/ MALHEUR BASIN .44 -.53 45. .79 -.97 45.

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.

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Monthly Divisional Precipitation Summary

[Click on date to display forecast:](#)

11-2003	10-2003	9-2003	8-2003	7-2003	6-2003	5-2003	4-2003	3-2003	2-2003	1-2003
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Columbia Basin Seasonal Precipitation Division Averages Northwest River Forecast Center

(Monthly Summary - nov 2003)

DIVISION	..NOV TO DAY 30..		OCT - NOV....			
	OBSD	DEP	PCT AV	OBSD	DEP	PCT	AV
COLUMBIA ABOVE COULEE	2.99	.11	104.	5.81	1.08	123.	
SNAKE RV AB ICE HARBOR	1.62	-.26	86.	2.10	-.98	68.	
COLUMBIA AB THE DALLES	3.09	.26	109.	5.05	.56	112.	
COLUMBIA AB CASTLEGAR	3.98	-.05	99.	9.46	2.63	139.	
KOOTENAI	3.17	.08	103.	6.30	1.36	127.	
CLARK FORK	1.79	.08	105.	2.99	.10	103.	
FLATHEAD	2.38	-.03	99.	4.17	.08	102.	
PEND OREILLE/ SPOKANE	4.08	-.07	98.	6.34	.05	101.	
NORTHEAST WASHINGTON	1.43	-.79	65.	2.64	-.73	78.	
OKANOGAN	1.63	-.14	92.	4.19	1.41	151.	
EAST SLOPES WASH CASC.	8.24	1.66	125.	13.11	3.74	140.	
CENTRAL WASHINGTON	.49	-.72	40.	.77	-1.05	42.	
UPPER SNAKE	2.14	.19	110.	2.87	-.59	83.	
SNAKE RIVER PLAIN	.89	-.19	83.	1.09	-.85	56.	
OWYHEE/ MALHEUR	1.01	-.19	84.	1.12	-.82	58.	
SALMON/ BOISE/ PAYETTE	1.51	-.90	63.	1.93	-1.72	53.	
BURNT/ GRANDE RONDE	1.27	-.71	64.	1.78	-1.25	59.	
CLEARWATER	3.80	.18	105.	5.42	-.37	94.	
SOUTHEAST WASHINGTON	1.69	-.85	66.	2.37	-1.62	59.	
UPPER JOHN DAY	1.58	-.19	90.	2.19	-.54	80.	
UMATILLA/ LWR JOHN DAY	1.92	-.24	89.	2.73	-.60	82.	
UPR DESCHUTES/ CROOKED	1.47	-.53	73.	1.97	-.95	67.	
HOOD/ LOWER DESCHUTES	3.43	-.96	78.	5.52	-.93	86.	

NW SLOPE WASH CASCADES	15.69	1.92	114.	31.93	10.80	151.
SW WA CASCADES/COWLITZ	10.43	-.62	94.	17.33	.75	105.
WILLAMETTE VALLEY	7.33	-1.99	79.	10.55	-3.06	78.
ROGUE/ UMPQUA	4.58	-1.20	79.	5.21	-3.13	62.
KLAMATH BASIN	1.83	-.81	69.	1.92	-1.87	51.
LAKE COUNTY-GOOSE LAKE	.92	-.53	63.	1.13	-1.17	49.
HARNEY/ MALHEUR BASIN	1.06	-.16	87.	1.41	-.60	70.

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.

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WARMER AND DRIER THAN NORMAL NOVEMBER ACROSS MOST OF THE REGION

During the second week of November, a series of Pacific storms brought moderate to locally heavy valley rain and mountain snow to west side basins and light precipitation to east side basins. High pressure was the dominate weather feature the rest of month, resulting in well below normal precipitation across the region.

PRECIPITATION SUMMARY

November precipitation was: 64 percent of normal (1971-2000) at Co Coulee, 55 percent of normal at the Snake River above Ice Harbor, percent at Columbia above the Dalles.

Seasonal (October through November) precipitation was: 51 percent (1971-2000) at Columbia above Coulee, 51 percent of normal at the Snake River above Ice Harbor, and 49 percent at Columbia above the

Daily precipitation records established in November included 0.73 inches at Pocatello on the 8th.

TEMPERATURE SUMMARY

The 31 station temperature index for the Pacific Northwest departe +1.2 degrees from normal relative to the 1971-2000 normals. Mean temperature departures ranged from -3.0 to 3.9 degrees.

New high temperature records tied or broken in November included 68 at Pendleton on the 16th, 63 at Salem and 64 at Eugene on the 19th, 63 at Portland, 63 at Yakima, and 66(tie) at Medford on the 20th, 56 at Spokane on the 21st, 63 at Astoria on the 27th, and 62 at Astoria and 64(tie) at Medford on the 28th.

New low temperature records tied or broken in November included 1 at Missoula, 6 at Yakima, and 18 at Olympia on the 1st, 4 at Yakima, 21(tie) at Olympia and 31(tie) at Sea-Tac Airport on the 2nd, 7 at Yakima and 18 at Olympia on the 3rd, 9(tie) at Kalispell

**11 at Yakima, 22(tie) at Olympia and 30(tie) at Sea-Tac Airport
on the 4th.**

National Weather Service
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