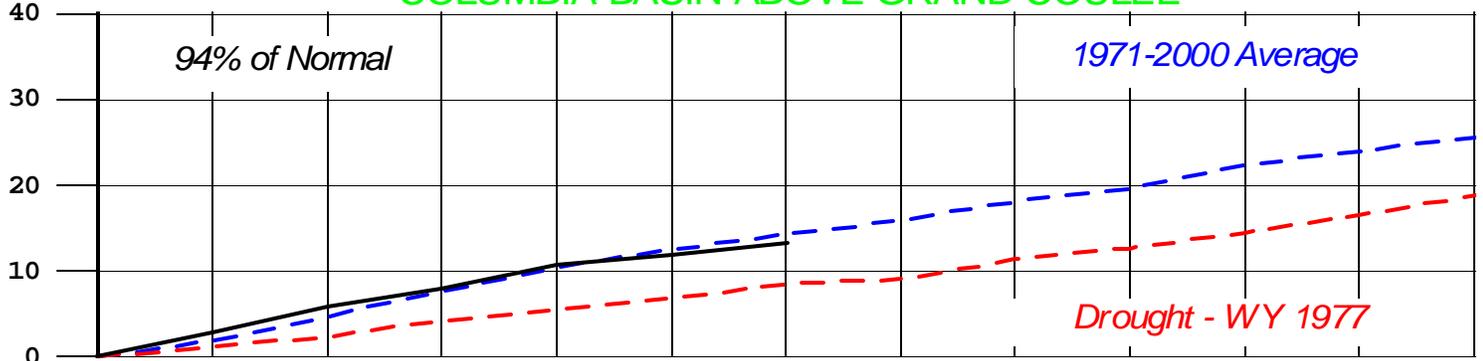


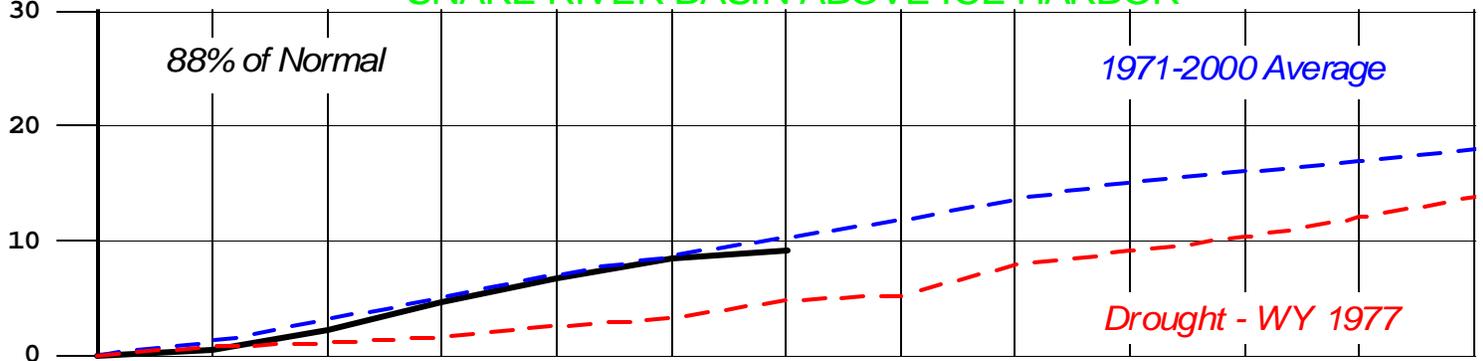
CUMULATIVE PRECIPITATION WATER YEAR 2004

ACCUMULATED PRECIPITATION IN INCHES

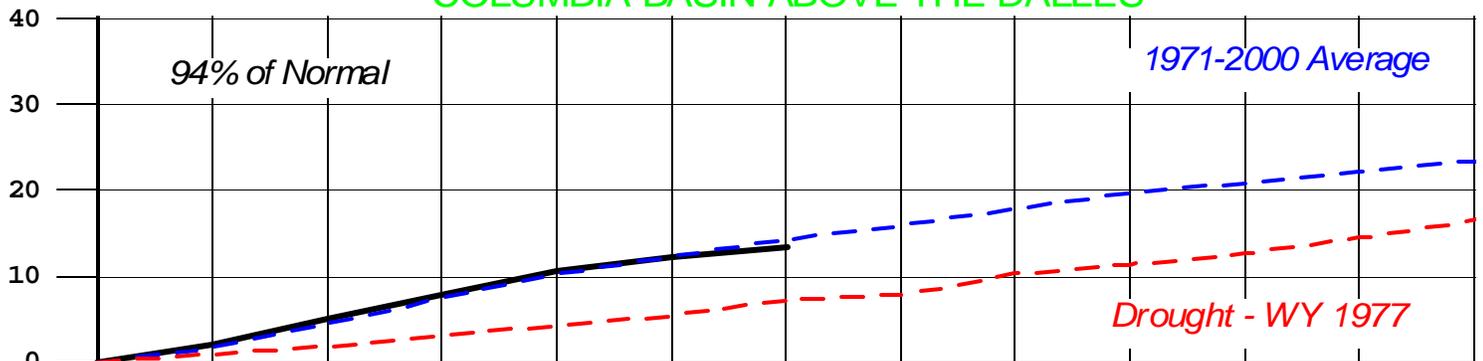
COLUMBIA BASIN ABOVE GRAND COULEE



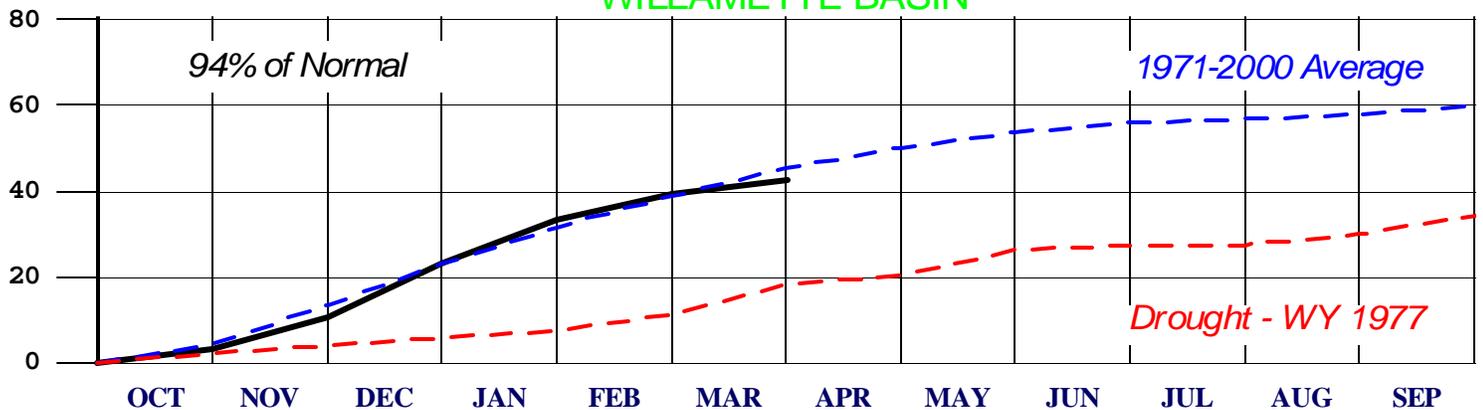
SNAKE RIVER BASIN ABOVE ICE HARBOR



COLUMBIA BASIN ABOVE THE DALLES



WILLAMETTE BASIN



LAKE COUNTY-GOOSE LAKE	.23	-.68	25.	6.20	-1.07	85.
HARNEY/ MALHEUR BASIN	.21	-.65	25.	5.41	-.90	86.

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:](#)

3-2004	2-2004	1-2004	12-2003	11-2003	11-2003	10-2003	9-2003	8-2003	7-2003	6-2003
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Columbia Basin Seasonal Precipitation Division Averages
Northwest River Forecast Center

(Monthly Summary - Mar 2004)

DIVISION	..MAR TO DAY 31..		OCT - MAR....		
	OBSD	DEP	PCT AV	OBSD	DEP	PCT AV
COLUMBIA ABOVE COULEE	1.49	-.30	83.	13.37	-.88	94.
SNAKE RV AB ICE HARBOR	.66	-.99	40.	9.04	-1.25	88.
COLUMBIA AB THE DALLES	1.27	-.65	66.	13.43	-.86	94.
COLUMBIA AB CASTLEGAR	2.90	.48	120.	21.77	1.39	107.
KOOTENAI	1.38	-.40	77.	13.91	-.68	95.
CLARK FORK	.75	-.45	63.	7.48	-1.51	83.
FLATHEAD	.99	-.64	61.	10.73	-1.45	88.
PEND OREILLE/ SPOKANE	1.78	-.99	64.	18.43	-1.76	91.
NORTHEAST WASHINGTON	1.02	-.60	63.	9.66	-1.16	89.
OKANOGAN	.89	-.22	80.	9.97	1.00	111.
EAST SLOPES WASH CASC.	2.61	-.84	76.	28.61	-3.00	91.
CENTRAL WASHINGTON	.46	-.37	56.	5.22	-.69	88.
UPPER SNAKE	.79	-.94	46.	10.56	-.78	93.
SNAKE RIVER PLAIN	.36	-.77	32.	4.82	-1.29	79.
OWYHEE/ MALHEUR	.27	-.86	24.	5.64	-.91	86.
SALMON/ BOISE/ PAYETTE	.73	-1.21	38.	10.85	-1.92	85.
BURNT/ GRANDE RONDE	.68	-.71	49.	9.22	-.39	96.
CLEARWATER	1.82	-.98	65.	18.10	-.51	97.
SOUTHEAST WASHINGTON	.89	-1.02	46.	10.40	-2.08	83.
UPPER JOHN DAY	.75	-.65	54.	9.15	.46	105.
UMATILLA/ LWR JOHN DAY	.82	-.80	50.	10.94	.59	106.
UPR DESCHUTES/ CROOKED	.63	-.74	46.	10.59	.64	106.
HOOD/ LOWER DESCHUTES	1.64	-1.05	61.	21.26	-.26	99.

NW SLOPE WASH CASCADES	7.04	-1.61	81.	64.91	-.55	99.
SW WA CASCADES/COWLITZ	4.66	-2.42	66.	48.32	-5.15	90.
WILLAMETTE VALLEY	3.27	-3.12	51.	42.72	-2.55	94.
ROGUE/ UMPQUA	2.49	-1.64	60.	29.46	1.64	106.
KLAMATH BASIN	.78	-1.26	38.	13.38	-.27	98.
LAKE COUNTY-GOOSE LAKE	.53	-.76	41.	6.50	-1.14	85.
HARNEY/ MALHEUR BASIN	.36	-.86	30.	5.56	-1.11	83.

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.

DRIER AND WARMER THAN NORMAL MARCH

A western U.S. ridge and eastern U.S. trough was the predominant weather pattern during March. Low pressure systems had a tendency to weaken as they moved into the Pacific Northwest or get diverted north or south of the region. This led to below normal precipitation and above normal temperatures across much of the area.

PRECIPITATION SUMMARY

March precipitation was: 83 percent of normal (1971-2000) at Columbia above Coulee, 40 percent of normal at the Snake River above Ice Harbor, and 66 percent of normal at Columbia above the Dalles.

Seasonal (October through March) precipitation was: 94 percent of normal (1971-2000) at Columbia above Coulee, 88 percent of normal at the Snake River above Ice Harbor, and 94 percent of normal at Columbia above the Dalles.

Daily precipitation records that were broken in March included 0.3 inches at Wenatchee on the 5th, 0.40 inches at Wenatchee on the 25 and 0.52 inches at Pocatello and 1.37 inches at Astoria on the 26th.

TEMPERATURE SUMMARY

The 31 station temperature index for the Pacific Northwest departed +4.0 degrees from normal relative to the 1971-2000 normals. Mean temperature departures ranged from 1.4 to 8.0 degrees.

Record high temperatures tied or broken in March included 65 at Sea-Tac Airport, 69 at Yakima, 69 at Pendleton Airport, 69(tie) at Lewiston, 70 at Olympia, and 78 at Medford on the 8th, 64 at Kalispell and 71(tie) at Pendleton Airport on the 18th, 67 at Astoria, 70(tie) at Portland, 71 at Olympia, and 72 at Pocatello on the 21st, 75 at Pendleton Airport on the 22nd, 73 at Boise on the 23rd, 70(tie) at Spokane Airport, 75 at Portland, 76 at Eugene and 78(all time March record) at Sea-Tac Airport, 79(all time March

record) at Olympia, and 80 at Pendleton Airport on the 29th, and 73(all time March record) at Kalispell and 78(all time March record) at Missoula on the 30th.

No low temperature records were tied or broken in March.

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