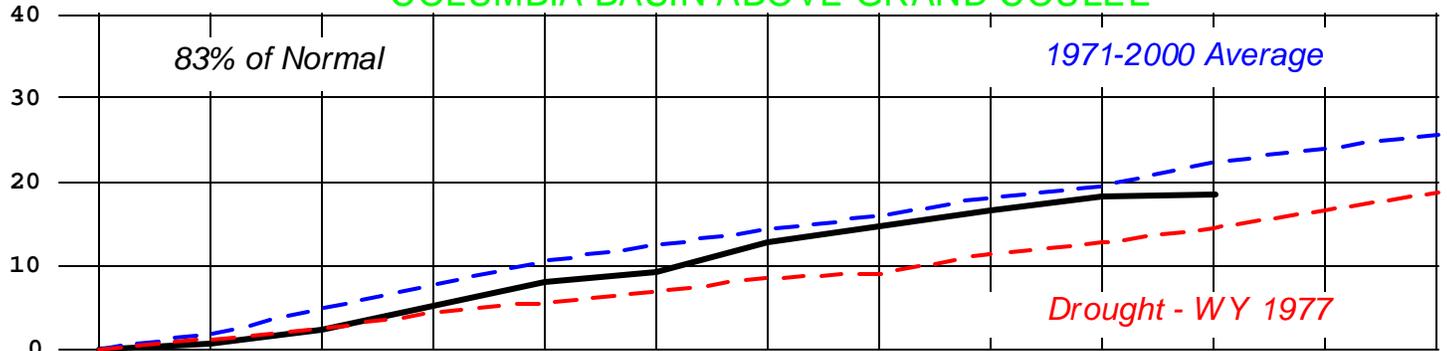
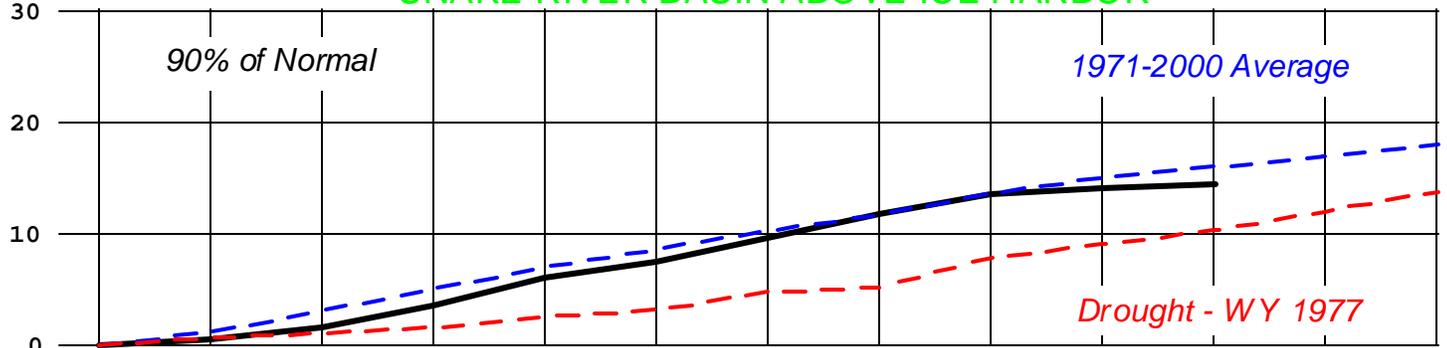


CUMULATIVE PRECIPITATION WATER YEAR 2003

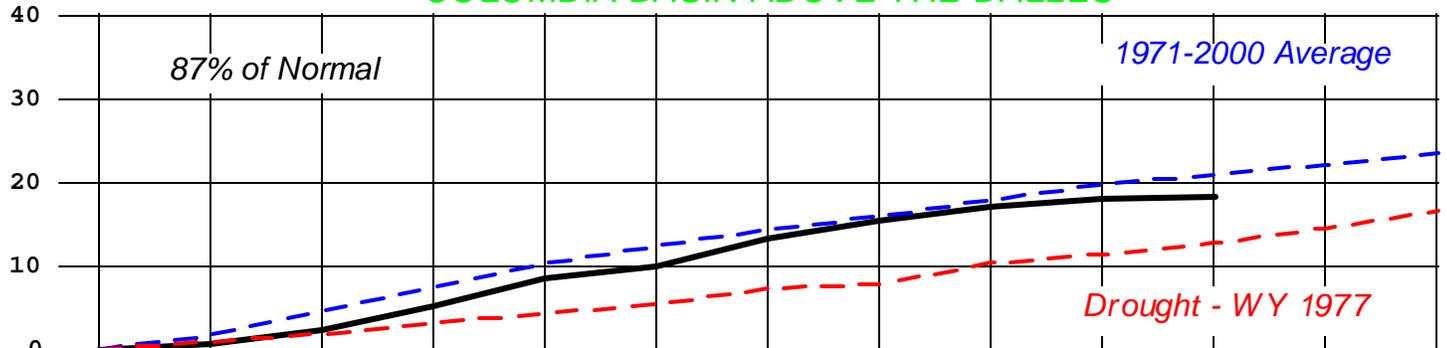
COLUMBIA BASIN ABOVE GRAND COULEE



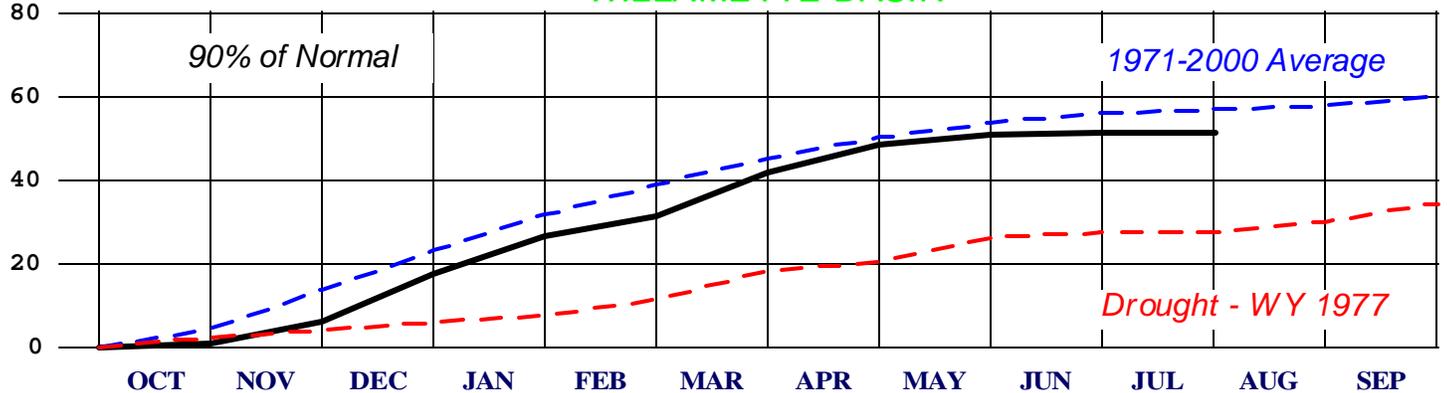
SNAKE RIVER BASIN ABOVE ICE HARBOR



COLUMBIA BASIN ABOVE THE DALLES



WILLAMETTE BASIN



ACCUMULATED PRECIPITATION IN INCHES

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:](#)

7-2003	6-2003	5-2003	4-2003	3-2003	2-2003	1-2003	12-2002	11-2002	10-2002
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Columbia Basin Seasonal Precipitation Division Averages
 Northwest River Forecast Center

(Monthly Summary - Jul 2003)

DIVISION	..JUL TO DAY 31..		OCT - JUL....			
	OBSD	DEP	PCT AV	OBSD	DEP	PCT	AV
COLUMBIA ABOVE COULEE	.33	-1.45	18.	18.51	-3.79	83.	
SNAKE RV AB ICE HARBOR	.34	-.58	36.	14.44	-1.58	90.	
COLUMBIA AB THE DALLES	.25	-.99	20.	18.23	-2.70	87.	
COLUMBIA AB CASTLEGAR	.73	-1.90	28.	24.44	-5.69	81.	
KOOTENAI	.20	-1.70	11.	17.47	-5.45	76.	
CLARK FORK	.34	-.85	28.	13.38	-2.02	87.	
FLATHEAD	.14	-1.45	9.	15.64	-4.79	77.	
PEND OREILLE/ SPOKANE	.26	-1.11	19.	25.96	-2.66	91.	
NORTHEAST WASHINGTON	.01	-1.37	1.	17.65	-.12	99.	
OKANOGAN	.07	-1.11	6.	11.37	-2.86	80.	
EAST SLOPES WASH CASC.	.02	-.72	3.	33.77	-3.58	90.	
CENTRAL WASHINGTON	.00	-.37	0.	8.30	-.03	100.	
UPPER SNAKE	.39	-.98	28.	13.60	-4.84	74.	
SNAKE RIVER PLAIN	.23	-.37	39.	6.94	-3.25	68.	
OWYHEE/ MALHEUR	.42	-.06	89.	9.13	-1.06	90.	
SALMON/ BOISE/ PAYETTE	.30	-.50	38.	17.75	-.68	96.	
BURNT/ GRANDE RONDE	.37	-.39	48.	13.96	-.85	94.	
CLEARWATER	.40	-1.06	27.	27.94	-.31	99.	
SOUTHEAST WASHINGTON	.11	-.64	14.	15.34	-2.66	85.	
UPPER JOHN DAY	.27	-.47	36.	13.30	-.14	99.	
UMATILLA/ LWR JOHN DAY	.03	-.48	5.	15.22	.19	101.	
UPR DESCHUTES/ CROOKED	.08	-.53	13.	11.38	-2.07	85.	
HOOD/ LOWER DESCHUTES	.00	-.48	1.	24.11	-2.82	90.	
NW SLOPE WASH CASCADES	.25	-1.85	12.	67.89	-14.32	83.	
SW WA CASCADES/COWLITZ	.20	-1.19	15.	57.08	-9.88	85.	
WILLAMETTE VALLEY	.01	-.82	1.	51.07	-5.65	90.	
ROGUE/ UMPQUA	.00	-.47	0.	37.61	3.56	110.	
KLAMATH BASIN	.97	.51	211.	17.63	.31	102.	
LAKE COUNTY-GOOSE LAKE	.35	-.16	69.	9.67	-2.03	83.	
HARNEY/ MALHEUR BASIN	.41	-.07	86.	9.36	-1.09	90.	

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 JULY

A ridge of high pressure across the Western United States dominated through much of the month, bringing the Pacific Northwest drier and warmer than normal weather conditions.

PRECIPITATION SUMMARY

July precipitation was: 18 percent of normal (1971-2000) at Columbia above Coulee, 36 percent of normal at the Snake River above Ice Harbor, and 20 percent of normal at Columbia above the Dalles.

Seasonal (October through July) precipitation was: 83 percent of normal (1971-2000) at Columbia above Coulee, 90 percent of normal at the Snake River above Ice Harbor, and 87 percent of normal at Columbia above the Dalles.

There were no daily precipitation records tied or broken in July.

TEMPERATURE SUMMARY

The 31 station temperature index for the Pacific Northwest departed +4.9 degrees from normal relative to the 1971-2000 normals. Mean temperature departures ranged from 1.1 to 10.1 degrees.

High temperature records tied or broken in July included 91(tie) at Jackson on the 16th, 102 at Pocatello and 103(tie) at Boise on the 18th, 102 at Pocatello on the 20th, 106(tie) at Pendleton and 108 at Boise on the 22nd, 101 at Missoula, 103 at Kalispell, and 107 at Boise on the 23rd, 82 at Astoria, 96 at Missoula, and 100(tie) at Pocatello on the 24th, 96(tie) at Salem, 100 at Eugene, and 105(tie) at Medford on the 28th, 96 at Olympia, 99 at Burns, 100 at Portland, 101 at Salem and Eugene, 102(tie) at Yakima, 104(tie) at Pendleton, and 108 at Medford on the 29th, 99(tie) at Spokane and Eugene, 100(tie) at Kalispell, 103 at Burns, 104(tie) at Yakima, 106 at Boise, and 107 at Medford on the 30th.

No low temperature records were tied or broken in July.

National Weather Service
Northwest River Forecast Center (NWRFC)
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