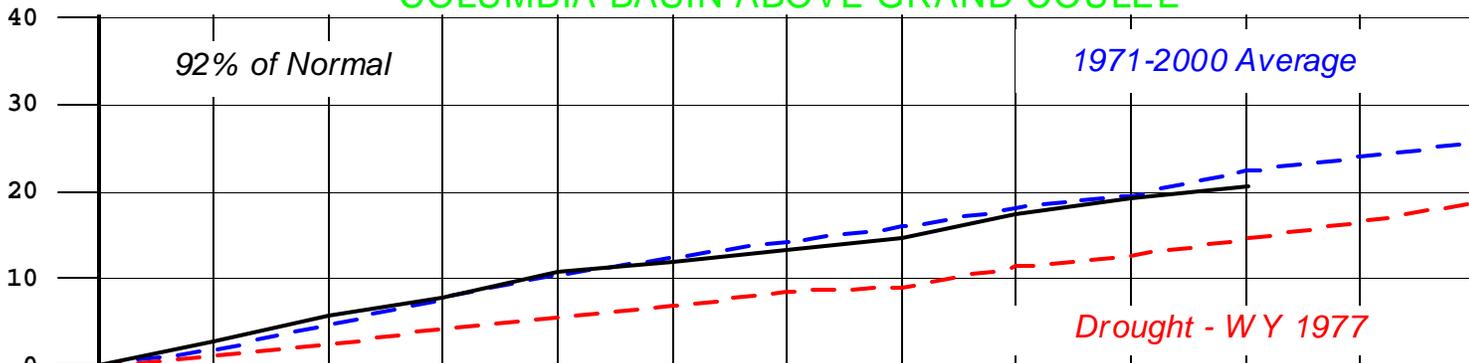
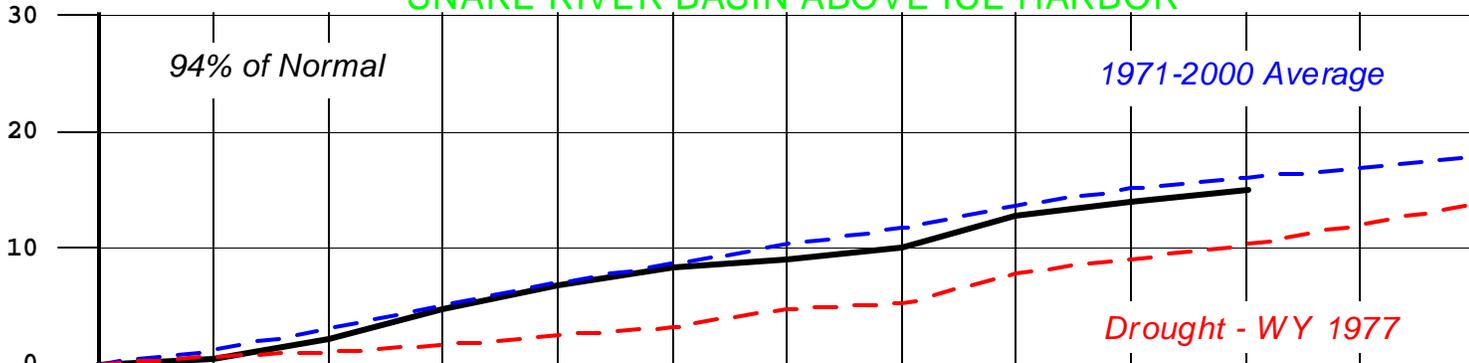


CUMULATIVE PRECIPITATION WATER YEAR 2004

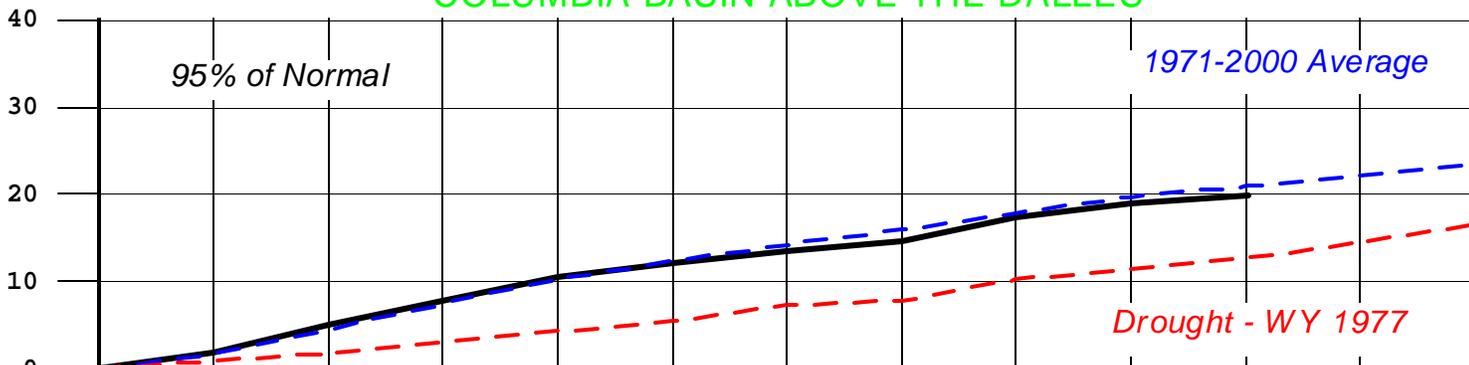
COLUMBIA BASIN ABOVE GRAND COULEE



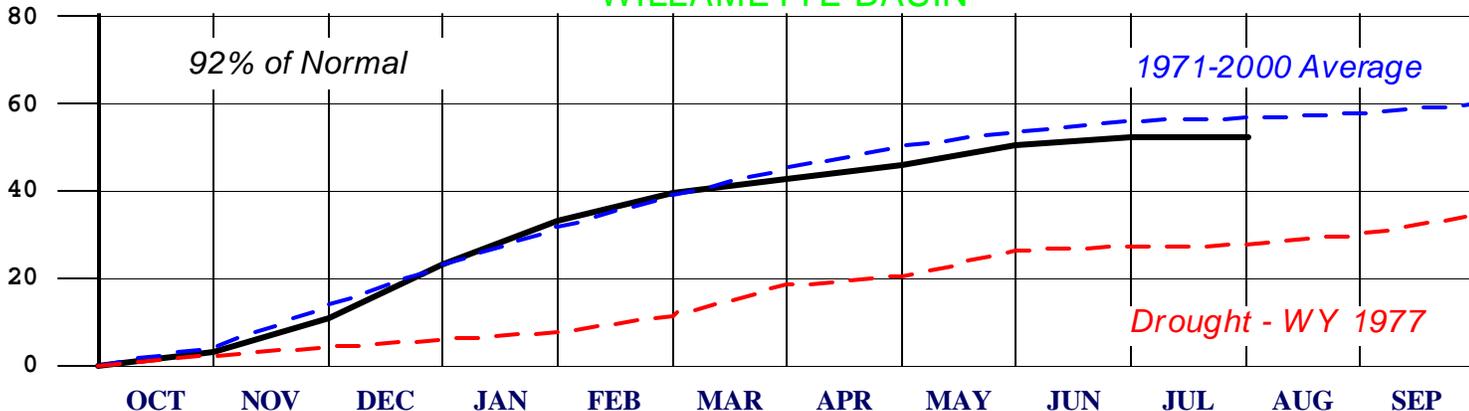
SNAKE RIVER BASIN ABOVE ICE HARBOR



COLUMBIA BASIN ABOVE THE DALLES



WILLAMETTE BASIN



ACCUMULATED PRECIPITATION IN INCHES

ROGUE/ UMPQUA	0.05	-0.34	14.	34.81	0.83	102.
KLAMATH BASIN	0.30	-0.09	78.	16.77	-0.48	97.
LAKE COUNTY-GOOSE LAKE	0.15	-0.28	34.	9.93	-1.69	85.
HARNEY/ MALHEUR BASIN	0.14	-0.26	36.	9.33	-1.04	90.

This precipitation summary for the Columbia River Basin is based analysis using a limited number of reporting stations. Final val depicted in this narrative are prorated by the number of elapsed 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 (July 2004)

Click on date to display forecast:

7-2004	6-2004	6-2004	5-2004	4-2004	3-2004	2-2004	1-2004	12-2003	11-2003	11-2003
------------------------	------------------------	------------------------	------------------------	------------------------	------------------------	------------------------	------------------------	-------------------------	-------------------------	-------------------------

Columbia Basin Seasonal Precipitation Division Averages Northwest River Forecast Center

(Monthly Summary - jul 2004)

DIVISION	..JUL TO DAY 31..		OCT - JUL....			
	OBSD	DEP	PCT AV	OBSD	DEP	PCT	AV
COLUMBIA ABOVE COULEE	1.36	-0.42	77.	20.61	-1.69	92.	
SNAKE RV AB ICE HARBOR	0.88	-0.04	96.	15.07	-0.95	94.	
COLUMBIA AB THE DALLES	0.95	-0.29	76.	19.96	-0.97	95.	
COLUMBIA AB CASTLEGAR	2.08	-0.55	79.	30.61	0.48	102.	
KOOTENAI	1.48	-0.42	78.	20.76	-2.16	91.	
CLARK FORK	0.82	-0.37	69.	14.05	-1.35	91.	
FLATHEAD	1.44	-0.15	91.	18.48	-1.95	90.	
PEND OREILLE/ SPOKANE	0.70	-0.67	51.	26.52	-2.10	93.	
NORTHEAST WASHINGTON	0.77	-0.61	55.	14.69	-3.08	83.	
OKANOGAN	0.49	-0.69	41.	14.89	0.66	105.	
EAST SLOPES WASH CASC.	0.32	-0.42	43.	32.84	-4.51	88.	
CENTRAL WASHINGTON	0.19	-0.18	51.	7.60	-0.73	91.	
UPPER SNAKE	1.27	-0.10	93.	18.60	0.16	101.	
SNAKE RIVER PLAIN	0.61	0.01	101.	8.64	-1.55	85.	
OWYHEE/ MALHEUR	0.43	-0.05	90.	9.21	-0.98	90.	
SALMON/ BOISE/ PAYETTE	0.52	-0.28	65.	16.79	-1.64	91.	
BURNT/ GRANDE RONDE	0.85	0.09	111.	15.02	0.21	101.	
CLEARWATER	0.94	-0.52	64.	28.82	0.57	102.	
SOUTHEAST WASHINGTON	0.22	-0.53	30.	16.12	-1.88	90.	
UPPER JOHN DAY	0.44	-0.30	59.	14.59	1.15	109.	
UMATILLA/ LWR JOHN DAY	0.27	-0.24	53.	16.10	1.07	107.	

UPR DESCHUTES/ CROOKED	0.14	-0.47	23.	14.33	0.88	107.
HOOD/ LOWER DESCHUTES	0.20	-0.28	42.	26.45	-0.48	98.
NW SLOPE WASH CASCADES	0.85	-1.25	41.	75.56	-6.65	92.
SW WA CASCADES/COWLITZ	0.17	-1.22	12.	58.50	-8.46	87.
WILLAMETTE VALLEY	0.10	-0.73	12.	52.35	-4.37	92.
ROGUE/ UMPQUA	0.05	-0.42	11.	34.80	0.75	102.
KLAMATH BASIN	0.26	-0.20	56.	16.73	-0.59	97.
LAKE COUNTY-GOOSE LAKE	0.14	-0.37	27.	9.92	-1.78	85.
HARNEY/ MALHEUR BASIN	0.17	-0.31	36.	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 weak trough of low pressure that dominated early in the month quickly gave way to a ridge of high pressure during the middle and latter part of the month. This resulted in above normal temperatures and below normal precipitation through the month of July.

PRECIPITATION SUMMARY

July precipitation was: 77 percent of normal (1971-2000) at Columbia above Coulee, 96 percent of normal at the Snake River above Ice Harbor, and 76 percent of normal at Columbia above the Dalles.

Seasonal (October through July) precipitation was: 92 percent of normal (1971-2000) at Columbia above Coulee, 94 percent of normal at the Snake River above Ice Harbor, and 95 percent of normal at Columbia above the Dalles.

Daily precipitation records tied or broken in July included 0.13 inches (tie) at Pocatello on the 15th and 0.30 inches at Wenatchee on the 19th.

TEMPERATURE SUMMARY

The 31 station temperature index for the Pacific Northwest departed +3.0 degrees from normal relative to the 1971-2000 normals. Mean temperature departures ranged from 0.1 to 6.9 degrees.

Record high temperatures tied or broken in July included 81 at Astoria on the 12th, 98 (tie) at Portland on the 22nd, 96 at Astoria on the 23rd, 99 at Olympia, 103 at Portland, and 103 at Eugene on the 23rd, 95 at Sea-Tac Airport, 95 at Salem, 99 at Redmond, 99 at Olympia, 100 (tie) at Portland, 100 at Eugene, and 105 at Medford on the 24th.

Record low temperatures tied in July included 37 at Kalispell on the 9th and 37 at Kalispell on the 12th.