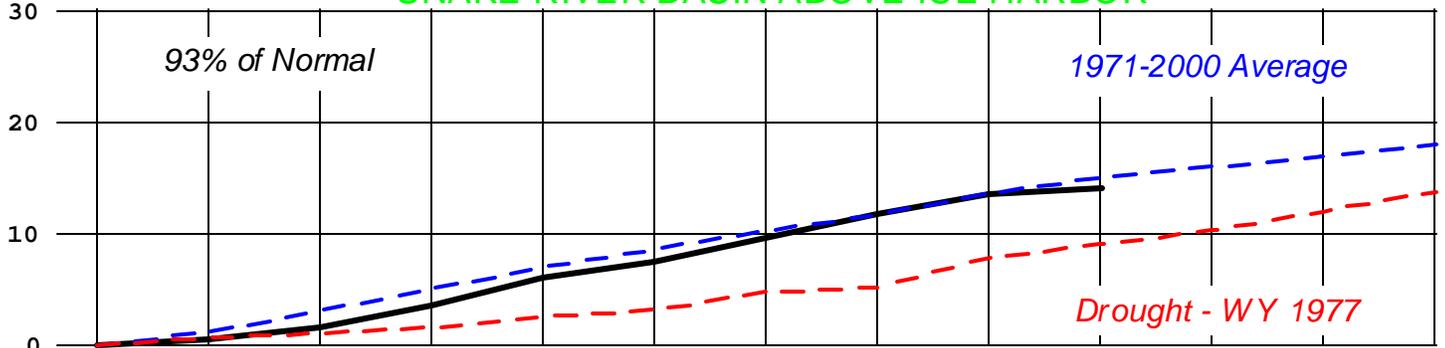


# CUMULATIVE PRECIPITATION WATER YEAR 2003

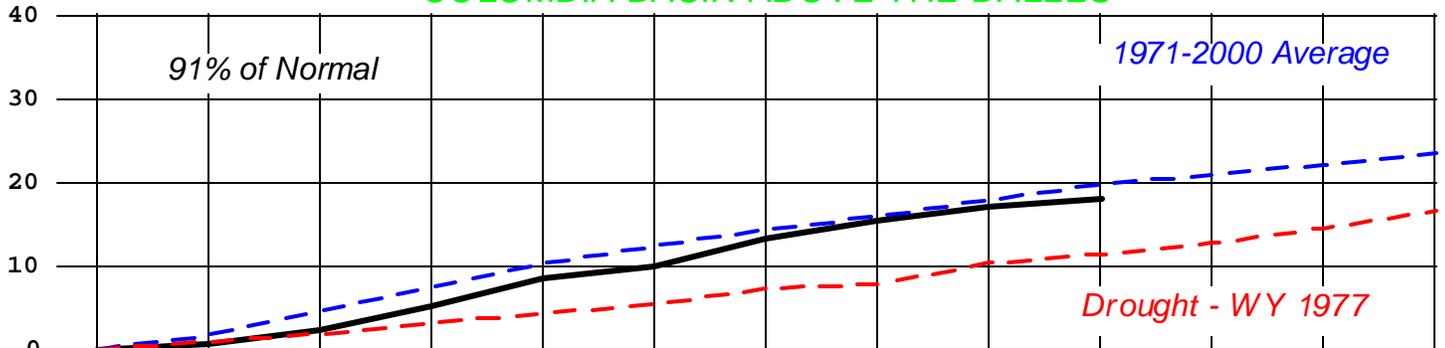
## COLUMBIA BASIN ABOVE GRAND COULEE



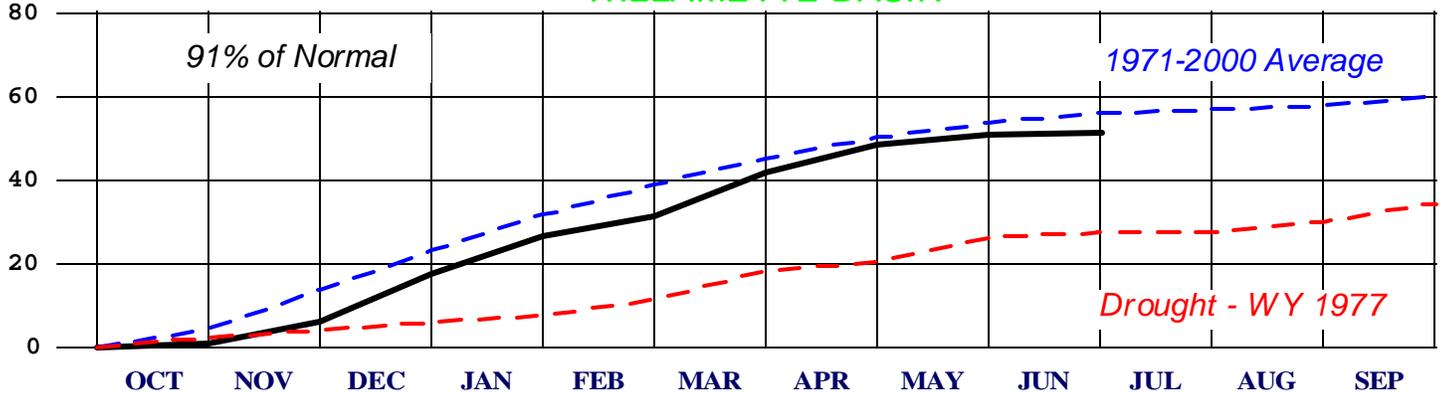
## SNAKE RIVER BASIN ABOVE ICE HARBOR



## COLUMBIA BASIN ABOVE THE DALLES



## WILLAMETTE BASIN



ACCUMULATED PRECIPITATION IN INCHES

Please contact NWRFC for further information: (503) 326-7291.

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**Monthly Divisional Precipitation Summary**

Click on date to display forecast:

<a href="#">5-2003</a>	<a href="#">3-2003</a>	<a href="#">3-2003</a>	<a href="#">2-2003</a>	<a href="#">1-2003</a>	<a href="#">12-2002</a>	<a href="#">11-2002</a>	<a href="#">10-2002</a>
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Columbia Basin Seasonal Precipitation Division Averages  
Northwest River Forecast Center

(Monthly Summary - Jun 2003)

DIVISION	..JUN TO DAY 30..			....OCT - JUN....		
	OBSD	DEP	PCT AV	OBSD	DEP	PCT AV
COLUMBIA ABOVE COULEE	1.66	-.73	69.	18.15	-2.37	88.
SNAKE RV AB ICE HARBOR	.56	-.90	38.	14.10	-1.00	93.
COLUMBIA AB THE DALLES	.90	-.89	50.	17.97	-1.72	91.
COLUMBIA AB CASTLEGAR	2.46	-.40	86.	23.70	-3.80	86.
KOOTENAI	1.61	-.85	66.	17.27	-3.75	82.
CLARK FORK	1.04	-.89	54.	13.00	-1.21	91.
FLATHEAD	1.59	-1.05	60.	15.53	-3.31	82.
PEND OREILLE/ SPOKANE	1.11	-1.08	51.	25.70	-1.55	94.
NORTHEAST WASHINGTON	1.00	-.90	53.	17.64	1.25	108.
OKANOGAN	.52	-1.05	33.	11.30	-1.75	87.
EAST SLOPES WASH CASC.	.25	-1.08	19.	33.74	-2.87	92.
CENTRAL WASHINGTON	.06	-.58	10.	8.30	.34	104.
UPPER SNAKE	.88	-.86	51.	13.21	-3.86	77.
SNAKE RIVER PLAIN	.24	-.72	25.	6.72	-2.87	70.
OWYHEE/ MALHEUR	.23	-.70	24.	8.71	-1.00	90.
SALMON/ BOISE/ PAYETTE	.56	-.91	38.	17.45	-.18	99.
BURNT/ GRANDE RONDE	.48	-.92	34.	13.55	-.50	96.
CLEARWATER	1.08	-1.41	43.	27.55	.76	103.
SOUTHEAST WASHINGTON	.21	-1.00	17.	15.24	-2.01	88.
UPPER JOHN DAY	.16	-1.04	13.	13.03	.33	103.
UMATILLA/ LWR JOHN DAY	.06	-1.04	6.	15.20	.68	105.
UPR DESCHUTES/ CROOKED	.02	-.81	3.	11.30	-1.54	88.
HOOD/ LOWER DESCHUTES	.20	-.97	17.	24.10	-2.35	91.
NW SLOPE WASH CASCADES	1.43	-2.26	39.	67.64	-12.47	84.
SW WA CASCADES/COWLITZ	.72	-2.24	24.	56.88	-8.69	87.
WILLAMETTE VALLEY	.40	-1.85	18.	51.06	-4.83	91.
ROGUE/ UMPQUA	.00	-1.00	0.	37.61	4.03	112.
KLAMATH BASIN	.02	-.77	3.	16.66	-.20	99.
LAKE COUNTY-GOOSE LAKE	.10	-.92	10.	9.32	-1.88	83.
HARNEY/ MALHEUR BASIN	.15	-.76	17.	8.93	-1.04	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 JUNE

A ridge of high pressure across the Western United States dominated

early in the month, bringing the region drier and warmer than normal weather conditions. Later in the month, high pressure weakened, allowing the westerlies to shift farther south. Weak troughs of low pressure moved along in the westerly flow and brought cooler temperatures and light scattered showers to the region.

#### PRECIPITATION SUMMARY

June precipitation was: 69 percent of normal (1971-2000) at Columbia above Coulee, 38 percent of normal at the Snake River above Ice Harbor, and 50 percent at Columbia above the Dalles.

Seasonal (October through June) precipitation was: 88 percent of normal (1971-2000) at Columbia above Coulee, 93 percent of normal at the Snake River above Ice Harbor, and 91 percent of normal at Columbia above the Dalles.

There were no daily precipitation records tied or broken in June. New record low precipitation for the entire month of June was reported at Pendleton and Yakima, where only a trace of precipitation fell.

#### TEMPERATURE SUMMARY

The 31 station temperature index for the Pacific Northwest departed +2.2 degrees from normal relative to the 1971-2000 normals. Mean temperature departures ranged from -1.1 to 5.2 degrees.

High temperature records tied or broken in June included 91 at Portland on the 4th, 90 at Astoria and 96 at Salem and Portland on the 5th, 90 at Sea-Tac Airport, 93 at Olympia, 96 at Salem, and 98 at Portland on the 6th, 90 at Sea-Tac Airport, 93 at Olympia, and 94(tie) at Pendleton on the 7th, 100(tie) at Medford on the 27th, and 92 at Olympia, 96 at Portland, 97(tie) at Salem, 97 at Missoula, and 103 at Medford on the 28th.

Low temperature records tied or broken in June included 32 at Pocatello and 38(tie) at Yakima on the 23rd and 43 at Pendleton on the 24th.

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