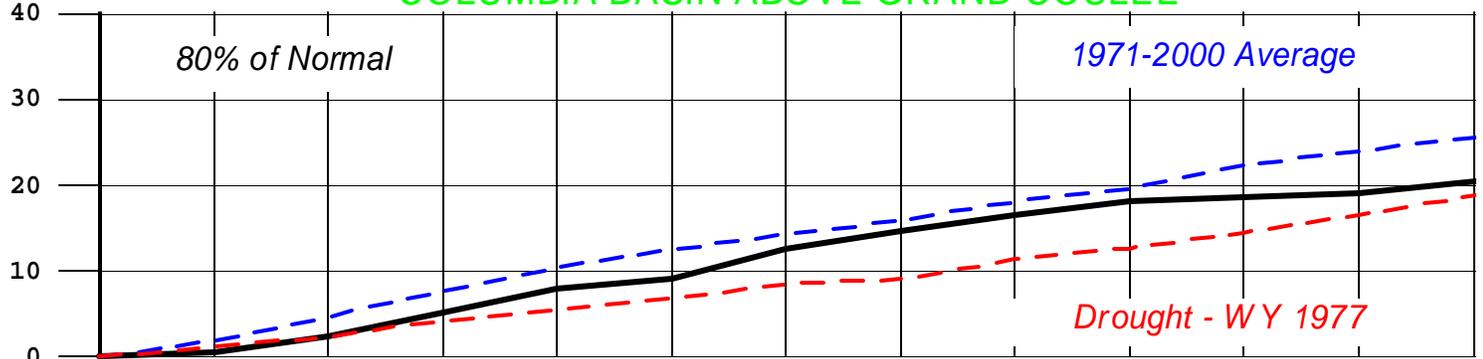


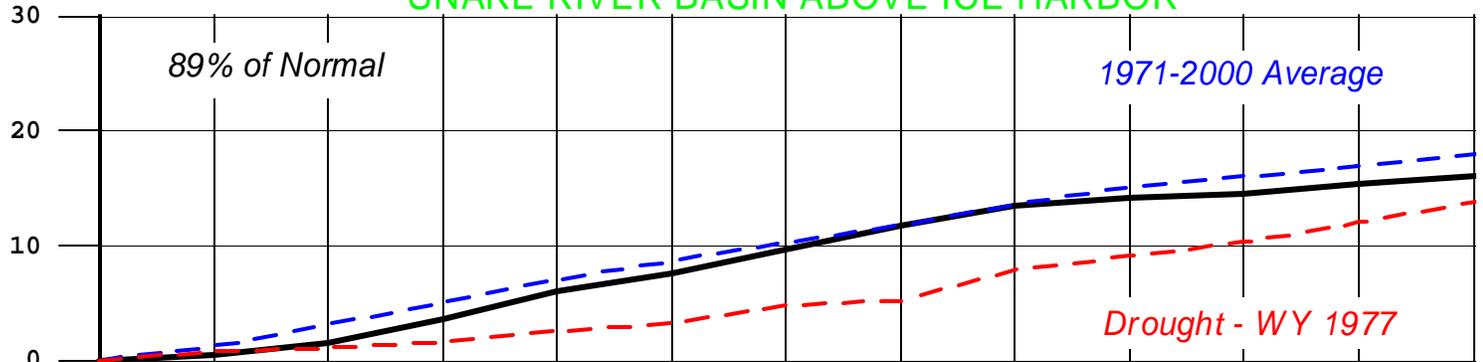
CUMULATIVE PRECIPITATION WATER YEAR 2003

ACCUMULATED PRECIPITATION IN INCHES

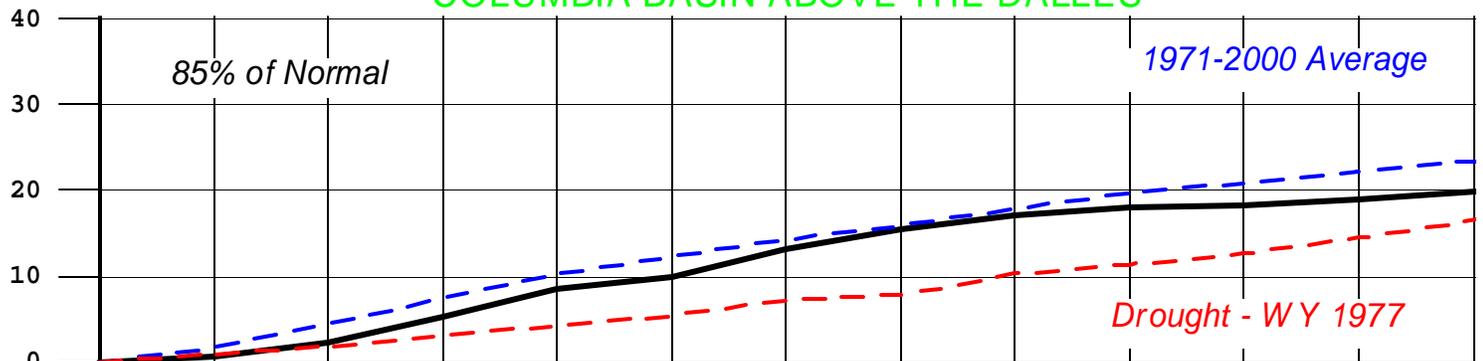
COLUMBIA BASIN ABOVE GRAND COULEE



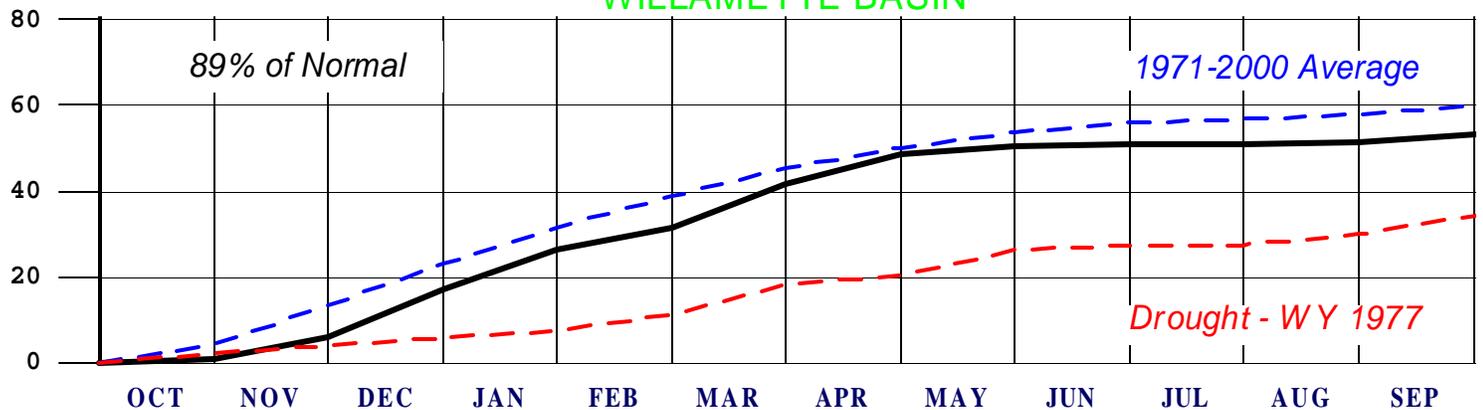
SNAKE RIVER BASIN ABOVE ICE HARBOR



COLUMBIA BASIN ABOVE THE DALLES



WILLAMETTE BASIN



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:](#)

9-2003	8-2003	7-2003	6-2003	5-2003	4-2003	3-2003	2-2003	1-2003	12-2002	11-2002
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Columbia Basin Seasonal Precipitation Division Averages
Northwest River Forecast Center

(Monthly Summary - Sep 2003)

DIVISION	..SEP TO DAY 30..		OCT - SEP....		
	OBSD	DEP	PCT AV	OBSD	DEP	PCT AV
COLUMBIA ABOVE COULEE	1.48	-.13	92.	20.53	-5.07	80.
SNAKE RV AB ICE HARBOR	.65	-.41	61.	16.04	-1.90	89.
COLUMBIA AB THE DALLES	1.08	-.22	83.	19.98	-3.44	85.
COLUMBIA AB CASTLEGAR	2.23	-.02	99.	27.23	-7.58	78.
KOOTENAI	1.38	-.24	85.	19.34	-6.89	74.
CLARK FORK	.87	-.34	72.	14.99	-2.92	84.
FLATHEAD	1.59	-.04	98.	17.49	-6.18	74.
PEND OREILLE/ SPOKANE	1.41	-.09	94.	28.04	-3.35	89.
NORTHEAST WASHINGTON	.99	-.04	96.	18.86	-1.03	95.
OKANOGAN	.68	-.30	69.	12.24	-4.08	75.
EAST SLOPES WASH CASC.	.50	-.88	36.	34.37	-5.15	87.
CENTRAL WASHINGTON	.22	-.22	51.	8.76	-.39	96.
UPPER SNAKE	1.04	-.41	72.	15.91	-5.32	75.
SNAKE RIVER PLAIN	.39	-.45	46.	8.15	-3.46	70.
OWYHEE/ MALHEUR	.32	-.28	54.	10.39	-.85	92.
SALMON/ BOISE/ PAYETTE	.46	-.56	45.	19.00	-1.15	94.
BURNT/ GRANDE RONDE	.59	-.23	72.	15.37	-1.07	94.
CLEARWATER	1.26	-.43	75.	30.02	-1.12	96.
SOUTHEAST WASHINGTON	1.10	.17	119.	16.93	-2.84	86.
UPPER JOHN DAY	.59	-.12	83.	14.27	-.67	96.
UMATILLA/ LWR JOHN DAY	.77	.01	101.	16.69	.25	102.
UPR DESCHUTES/ CROOKED	.74	.15	126.	12.79	-1.89	87.
HOOD/ LOWER DESCHUTES	.92	-.24	79.	25.36	-3.35	88.
NW SLOPE WASH CASCADES	3.14	-.81	80.	71.36	-16.89	81.
SW WA CASCADES/COWLITZ	2.11	-1.00	68.	59.29	-12.32	83.
WILLAMETTE VALLEY	1.93	-.20	91.	53.40	-6.52	89.
ROGUE/ UMPQUA	1.09	-.07	94.	39.30	3.38	109.
KLAMATH BASIN	.80	.11	115.	19.29	.67	104.
LAKE COUNTY-GOOSE LAKE	.94	.26	138.	10.88	-2.03	84.
HARNEY/ MALHEUR BASIN	.57	-.04	93.	10.43	-1.22	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.

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DRIER AND WARMER THAN NORMAL SEPTEMBER

A ridge of high pressure across the Western United States dominated early and again late in the month, bringing drier and warmer than normal weather conditions to a majority of the Pacific Northwest. During the middle of the month the main storm track sagged south, allowing a series of storm systems to move across the region.

PRECIPITATION SUMMARY

September precipitation was: 92 percent of normal (1971-2000) at Columbia above Coulee, 61 percent of normal at the Snake River above Ice Harbor, and 83 percent of normal at Columbia above the Dalles.

Seasonal (October through September) precipitation was: 80 percent of normal (1971-2000) at Columbia above Coulee, 89 percent of normal at the Snake River above Ice Harbor, and 85 percent of normal at Columbia above the Dalles.

Daily precipitation records broken in September included 0.26 inches at Pendleton on the 7th and 0.76 inches at Medford on the 9th.

TEMPERATURE SUMMARY

The 31 station temperature index for the Pacific Northwest departed +2.3 degrees from normal relative to the 1971-2000 normals. Mean temperature departures ranged from -0.2 to 4.0 degrees.

High temperature records tied or broken in September included 91 at Olympia, 94 at Portland, and 100(tie) at Pendleton on the 3rd, 87 at Sea-Tac Airport, 92 at Olympia, and 97(tie) at Eugene on the 4th, 84 at Astoria, 95 at Portland, 97 at Eugene, and 98 at Salem on the 27th, and 84 at Sea-Tac Airport, 85 at Olympia, and 102(tie) at Medford on the 28th.

There were no low temperature records tied or broken in September.

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