

WATER SUPPLY OUTLOOK YAKIMA RIVER WATERSHEDS WASHINGTON

as of
March 1, 1964

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE and WASHINGTON DEPARTMENT OF CONSERVATION

The outlook for irrigation and water supply in the Yakima watershed as of March 1 is still good. Very little snow has fallen since the heavy storms that occurred during January and much of the snow at lower elevations has melted. The snowpack for the Yakima watershed as a whole is exactly normal for this time of year but 213% greater than what was measured last year at this time. The Ahtanum watershed is 25% less than average and only 6% greater than what was measured last year at this time.

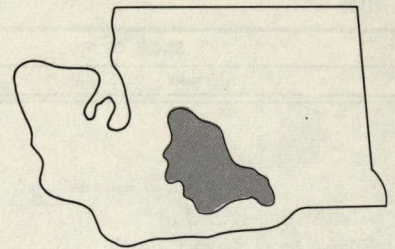
The reservoirs in this watershed have considerably less water than normal for this time of year and although these reservoirs are expected to fill with the spring runoff, extreme adverse weather conditions from here on out could affect the filling of these reservoirs.

Forecasts for the Yakima River system for the April-September period are as follows: Yakima near Martin, 165,000 acre feet or 104% of normal; at Cle Elum, 1,065,000 acre feet or 103%; and near Parker, 1,830,000 acre feet or 93%. The Naches River near Naches is expected to flow only 870,000 acre feet or 89% of normal. It appears that the snowpack is considerably better in the northern portion of the watershed.

Precipitation for the period since September 1, 1963 averages 91% of normal. Storage in the five reservoirs is the lowest it has been since 1958 and inflow to these reservoirs is the lowest it has been since 1957. Runoff for the Yakima River as measured at Kiona was 66% of normal.

STREAMFLOW FORECASTS^a(1,000 Ac. Ft.)

FORECAST POINT		FORECAST * THIS YEAR	FORECAST PERIOD	1943 - 57 AVERAGE *	THIS YEAR AS PERCENT OF AVERAGE ^c
NO.	NAME				
4745	Yakima River nr. Martin	165 154 134	Apr-Sep Apr-Jul Apr-Jun	158 147 127	104 105 106
4795	Yakima River at Cle Elum	1065 990 870	Apr-Sep Apr-Jul Apr-Jun	1029 951 824	103 104 106
5050	Yakima River nr. Parker	1830 1825 1695	Apr-Sep Apr-Jul Apr-Jun	1967 1947 1779	93 94 95
4760	Kachess River nr. Easton	145 138 125	Apr-Sep Apr-Jul Apr-Jun	138 133 117	105 104 107
4790	Cle Elum River nr. Roslyn	520 485 415	Apr-Sep Apr-Jul Apr-Jun	518 479 403	100 101 103
4880	Bumping River nr. Nile	145 135 115	Apr-Sep Apr-Jul Apr-Jun	161 149 121	90 91 95
4845	American River nr. Nile	130 120 103	Apr-Sep Apr-Jul Apr-Jun	137 127 106	95 94 97
4915	Tieton River at Tieton Dam	245 212 172	Apr-Sep Apr-Jul Apr-Jun	273 236 188	90 90 91
4940	Naches River nr. Naches	870 800 700	Apr-Sep Apr-Jul Apr-Jun	974 895 761	89 89 92
5005	Ahtanum Creeks nr. Tampico	48	Apr-Sep	52	92
5010	(Combined Flow)	44 39	Apr-Jul Apr-Jun	48 42	92 93
* Observed flow corrected for storage and diversions.					



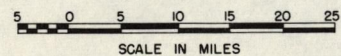
WATERSHED LOCATION



LEGEND

- Watershed Boundary
- Soil and Water Conservation District Bdry.
- County Boundary
- ▲ Forecast Point
- Snow Course
- ⌞ Soil Moisture Station

YAKIMA RIVER WATERSHEDS



SNOW

SNOW COURSE		CURRENT INFORMATION			PAST RECORD		
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)		YEARS OF RECORD
NAME	ELEVATION				LAST YEAR	1943-57 AVERAGE	
Ahtanum R. S.	3100	2/24	18	5.2	0.0	7.5*	19
Big Boulder Creek	3200	2/26	61	24.9	3.7	21.3*	20
Blewett Pass No. 2	4270	2/28	42	15.1	0.0	17.2*	18
Bumping Lake	3450	2/27	50	17.5	5.6	18.4	44
Clockum Pass	5370	2/28	39	11.1	5.4	--	3
Cooke Creek	4123	2/28	22	6.8	0.0	--	3
Fish Lake	3371	2/26	93	31.8	12.6	35.2*	19
Green Lake	6000	2/24	78	24.0	18.0	30.9*	17
Grouse Camp	5385	2/27	38	12.3	4.3	--	3
High Creek	2930	2/27	21	6.1	0.0	--	3
Lake Cle Elum	2200	2/26	33	13.0	0.0	12.4	25
Manashtash	3935	2/28	16	5.2	0.0	--	5
Morse Lake	5400	2/26	128	49.2	27.4	48.7*	7
Nanum	3875	2/27	31	9.8	0.0	--	3
Olallie Meadows	3625	2/26	145	56.3	11.0	46.6*	19
Satus Pass	4030	2/27	25	10.3	0.0	--	7
Stampede Pass	3000	2/28	140	41.6	17.2	44.1*	18
Trail Creek	3360	2/28	15	4.2	0.0	--	3
Tunnel Avenue	2450	2/28	79	31.4	6.7	25.6	23
Walters Flat	3360	2/27	25	7.4	0.0	--	3
White Pass	4500	2/29	92	34.6	12.8	32.4*	11
White Pass (East Side)	4500	2/27	68	25.1	9.0	23.1*	6
White Pass (Leech Lake)	4500	2/29	83	32.0	9.7	--	5

* Adjusted 1943-57 average.

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