

ESCALANTE VALLEY, UTAH

1981 - 1982

Precipitation during the 1981 - 1982 water year in the Escalante Valley was much above normal ranging from 128% of the new 30-year average (1951-1980) at Beaver to 151% at Milford. During the period October thru May, the three reporting stations averaged only 89% of normal. The summer months all had above average precipitation. In September the remnants of Hurricane Olivia brought a final deluge to the wet summer. September precipitation averaged 3.61 inches for the three stations, 430% of normal.

Temperatures were near normal throughout the water year with only a few notable departures; November and December were warmer than normal while July and September were cooler than average.

Provisional streamflow data for the water year 1981-1982 at Beaver, Utah was 42,800 acre-feet, 145%. This represents the fifth consecutive year of above normal flows and about 10,000 acre-feet higher than the previous 1980-1981 water-year season.

A good early snowpack, significant groundwater flow, and much above average precipitation (152%) during the first three months of the present water year suggests another above normal runoff year. As of January 1, 1983, the April-July forecast for the Beaver River at Beaver, Utah is 40,000 acre-feet, 199% of normal.

TABLE I

Weather Data for Stations in or near Escalante Valley, Utah

Milford Area 1980 - 1982

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	WATER YEAR TOTAL	CAL. YEAR TOTAL
<u>MILFORD WSO</u>														
Temperature														
1980	53.1	32.8	30.8	31.4	36.8	36.3	47.0	52.5	65.1	74.7	70.7	62.3	49.5	49.9
1981	48.4	38.4	34.6	29.9	34.7	38.8	50.4	54.7	69.1	76.0	72.5	64.8	51.0	50.9
1982	46.4	40.3	33.3	25.0	30.3	39.2	44.8	54.7	63.6	71.5	73.5	60.8	48.6	--
1951-80 AVG.	50.3	36.8	28.2	26.4	32.1	38.2	46.3	55.9	65.8	74.3	72.1	62.6	49.1	49.1
Precipitation														
1980	.48	.57	.46	1.86	1.50	1.21	1.54	1.01	.02	.94	.61	2.06	11.26	12.27
1981	1.55	.75	.22	.39	.29	2.00	1.09	2.26	.32	1.57	.10	2.12	12.66	13.00
1982	1.09	.85	.35	.60	.20	1.29	.40	.57	1.38	.68	1.88	3.64	12.93	--
1951-80 AVG.	.73	.69	.63	.69	.74	.99	.96	.73	.42	.61	.71	.69	8.59	8.59
<u>MINERSVILLE</u>														
Temperature														
Precipitation														
1980	.48	.48	.64	2.79	1.40	1.79	.40	2.43	.00	.25	.49	3.05	14.20	14.83
1981	1.65	.69	.04	.37	.65	2.82	1.03	1.50	.21	.79	1.95	1.57	13.27	13.12
1982	1.42	.43	.38	1.17	.36	1.80	.30	.74	.83	1.44	3.16	3.44	15.47	--
1951-80 AVG.	.80	.78	.74	.76	.82	1.05	1.00	.94	.42	1.00	1.25	.83	10.39	10.39
<u>BEAVER</u>														
Temperature														
Precipitation														
1980	53.1	33.0	32.4	33.1	37.0	35.5	46.0	50.0	62.4	70.5	67.0	59.6	48.3	48.6
1981	47.7	37.5	36.6	31.1	35.0	37.4	48.9	53.0	65.4	66.7	67.9	61.2	49.0	49.3
1982	45.5	39.8	34.2	25.5	31.2	37.2	42.9	M	60.8	66.9	67.9	58.1	M	--
1951-80 AVG.	48.7	36.8	29.4	28.4	32.0	37.1	44.5	53.4	62.6	69.7	67.3	59.6	47.5	47.5
<u>MILFORD WSO</u>														
Precipitation														
1980	.63	.56	.60	2.09	1.29	.97	.69	2.16	.10	.46	1.18	2.52	13.52	12.97
1981	1.04	.44	.03	.21	.57	2.56	1.20	2.31	.19	1.00	1.42	.66	11.63	11.85
1982	1.44	.53	.53	.85	.28	1.55	.15	.58	.39	1.18	3.02	3.74	14.24	--
1951-80 AVG.	.80	.72	.74	.84	.91	.90	1.12	1.07	.57	1.10	1.36	1.00	11.13	11.13