



Average Temperature (°F)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1939	15.6	3.6	25.5	39.1	47.2	50.4	59.0	56.1	49.0	37.6	28.2	21.6	36.1
1940	11.4	17.7	30.0	37.8	47.4	54.8	59.6	58.0	51.4	40.6	20.2	13.6	36.9
1941	6.5	12.8	23.3	35.8	47.8	53.1	60.0	58.0	43.6	36.2	26.9	18.6	35.1
1942	5.7	4.0	21.4	37.8	43.0	50.5	60.0	56.3	47.2	37.9	25.5	13.9	33.6
1943	9.4	10.7	15.5	41.7	49.0	50.5	59.1	55.8	49.2	38.0	26.8	13.4	34.4
1944	6.7	11.8	21.0	34.2	45.5	50.6	56.7	52.3	45.8	39.6	22.2	10.0	33.0
1945	12.4	16.2	23.2	30.1	43.8	47.7	59.3	56.0	44.4	39.6	17.0	5.8	33.0
1946	7.2	10.7	25.1	40.0	42.2	53.9	60.2	56.9	45.5	31.6	21.8	20.7	34.6
1947	8.0	16.8	28.4	33.9	47.4	49.4	59.2	55.0	48.7	39.6	20.2	16.7	35.3
1948	14.0	16.2	20.9	34.2	44.0	54.7	57.1	55.8	50.2	36.4	18.8	5.4	34.0
1949	-5.1	3.3	21.6	38.8	47.1	52.6	58.0	56.8	48.2	32.6	33.5	10.8	33.2
1950	4.5	10.1	20.1	33.8	41.7	51.7	57.2	54.7	46.8	39.9	25.4	21.7	34.0
1951	10.2	17.4	21.8	37.0	46.7	49.9	60.3	55.8	47.0	35.9	18.6	7.0	34.0
1952	2.8	5.2	14.4	36.1	46.6	53.8	58.6	57.3	51.0	41.7	16.2	10.2	32.8
1953	19.4	15.5	27.0	31.9	40.0	52.5	61.2	56.7	50.2	38.7	28.1	13.4	36.2
1954	17.0	23.7	22.6	36.8	47.6	52.0	62.6	55.5	49.4	38.3	30.1	12.6	37.3
1955	8.4	10.9	20.3	34.0	46.3	53.0	59.8	59.2	48.6	37.5	21.5	16.9	34.7
1956	14.8	6.8	23.8	37.4	49.0	56.7	60.1	55.4	48.9	36.7	22.4	15.6	35.6
1957	2.7	20.1	28.7	34.8	47.0	53.6	59.5	58.8	48.0	37.6	16.8	9.5	34.8
1958	5.8	19.6	21.1	33.0	49.5	54.4	55.7	*	*	*	*	*	*
1959	10.2	10.3	27.1	37.2	45.6	54.6	61.2	56.2	46.4	37.1	24.7	18.9	35.4
1960	14.5	17.7	27.1	37.2	46.0	57.3	61.2	54.9	50.4	37.2	22.6	13.6	35.4
1961	10.6	21.5	26.9	34.2	46.0	57.3	59.6	59.2	42.8	34.4	18.4	4.0	34.9
1962	-0.6	13.4	15.6	38.0	46.5	53.5	57.8	54.3	47.4	40.7	28.0	19.5	34.5
1963	8.9	27.1	25.5	34.3	47.4	53.5	59.7	58.2	52.6	42.5	26.8	13.1	37.5
1964	8.2	10.5	18.9	33.4	43.6	51.1	61.7	54.1	44.8	36.9	20.8	11.7	33.0
1965	15.2	17.2	17.6	36.6	43.0	52.7	59.7	55.0	41.7	40.7	27.1	4.3	34.2
1966	1.7	5.4	18.9	34.1	47.4	51.9	61.6	55.7	50.2	33.4	26.7	9.2	33.0
1967	13.6	11.4	23.9	32.4	43.4	53.2	61.1	58.6	51.5	38.7	24.2	8.5	35.0
1968	6.9	14.9	26.9	31.1	42.1	52.5	59.5	54.1	46.7	36.7	20.9	9.2	33.5

\* Equipment malfunction from August 1958 through July 1959.

WEATHER HISTORY

Weather records have been kept in Big Pinery continuously since January 1928. Lorena L. Carr has seen the most service, 20 years, over two periods. The observers and periods of service are listed below.

- Virginia C. Budd . . . . . January 1938 to February 1940
- Nathaniel P. Howerton . . . . . March 1940 to July 1941
- Esther H. Gibson . . . . . August 1941 to April 1942
- Edward L. Carr . . . . . May 1942 to January 1943
- Lorena L. Carr . . . . . February 1943 to October 1950
- Elsie Moffat . . . . . November 1950 to May 1957
- Lorena L. Carr . . . . . June 1957 to present

Total Precipitation (Inches)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1939	0.49	0.34	0.04	0.42	1.71	0.29	1.08	0.17	0.71	0.40	0	0.08	5.73
1940	0.64	0.26	0.12	0.68	0.35	0.40	0.76	0.47	1.79	0.96	0.62	0.34	7.39
1941	0.08	0.47	0.45	1.50	0.30	1.69	1.35	0.89	1.18	1.13	0.44	0.62	9.90
1942	0.22	0.17	0.14	0.48	0.15	0.55	0.73	0.50	1.28	0.68	0.46	0.40	7.75
1943	0.87	0.44	0.47	0.84	0.33	1.23	0.19	1.87	0.47	1.24	0.14	0.35	4.45
1944	0.25	0.28	0.69	1.00	1.28	1.57	0.40	1.07	1.07	0.51	0.50	0.26	7.81
1945	0.15	0.57	0.47	1.10	2.35	1.39	0.73	1.37	0.95	0.51	0.80	0.33	10.72
1946	0.06	0.21	0.83	0.12	1.48	1.34	1.58	0.94	1.05	2.71	0.37	0.30	10.97
1947	0.25	0.36	0.15	1.43	2.54	2.11	0.36	2.26	1.15	0.97	0.30	0.20	12.08
1948	0.25	0.14	0.39	0.66	0.91	2.39	0.50	0.60	0.50	0.15	0.24	0.72	7.45
1949	0.66	0.22	0.75	0.07	3.42	2.33	0.65	0.39	0.78	2.11	0.08	0.56	12.02
1950	1.20	0.01	0.53	1.25	1.13	0.80	1.67	0.55	1.14	0.17	1.10	0.19	9.74
1951	0.48	0.45	0.49	1.98	0.51	0.87	0.39	2.01	0.48	0.53	0.22	0.57	8.08
1952	0.48	0.27	0.79	1.08	0.56	1.29	0.07	0.67	0.11	0	0.28	0.27	5.77
1953	0.61	0.21	0.34	0.67	0.57	0.69	1.07	0.88	0.05	0.28	0.32	0.13	1.37
1954	0.33	0.30	0.94	0.58	1.09	0.19	0.75	0.77	1.14	0.89	0.14	0.10	7.02
1955	0.24	0.68	0.27	0.30	1.62	0.77	1.30	0.44	0.57	0.07	0.21	1.13	7.40
1956	0.76	0.03	0.17	0.42	1.00	0.19	0.81	0.25	0.35	0.26	0.15	0.44	4.83
1957	0.55	0.11	0.29	1.49	3.48	0.41	1.54	1.39	0.48	0.97	0.41	11.60	11.60
1958	0.04	0.15	0.41	0.85	1.65	0.69	0.37	0.93	0.66	0.49	0.58	0.58	6.82
1959	0.12	0.17	0.17	1.14	1.42	0.32	0.45	1.17	1.60	0.06	0.06	0.19	6.89
1960	0.32	0.72	0.18	0.56	0.25	0.14	0.44	0.41	0.77	2.53	0.06	0.06	7.35
1961	0	0.08	0.50	0.19	0.98	0.14	0.13	0.70	1.18	0.63	0.47	0.65	5.70
1962	0.87	0.75	0.17	0.77	1.71	0.48	1.17	0.08	0.53	0.37	0.07	0.01	6.98
1963	0.44	0.50	0.24	1.47	1.39	1.52	0.56	2.07	2.08	0.34	0.32	0.40	11.33
1964	0.33	0.10	0.12	1.55	2.83	2.41	0.79	2.07	0.02	0.04	0.55	1.36	10.39
1965	0.17	0.15	0.31	0.63	1.15	1.61	0.52	1.53	2.03	0.29	1.24	0.85	10.48
1966	0.01	0.16	0.37	0.40	0.40	1.14	0.53	0.50	2.45	0.30	0.20	0.68	7.14
1967	0.37	0.44	0.56	0.85	1.27	2.26	1.02	0.47	0.62	0.76	0.46	0.49	7.57
1968	0.11	0.65	0.50	0.98	0.78	2.11	0.34	2.95	0.62	0.43	0.46	0.63	10.56

SHORT DURATION MAXIMUM RAINFALL INTENSITIES (in inches and tenths)

Return Period (expected recurrence)	Duration of Precipitation											
	30 Min.	1 hour	2 hours	3 hours	6 hours	12 hours	24 hours	2 days	4 days	7 days	10 days	
2 years	0.4	0.5	0.7	0.8	0.9	1.1	1.1	1.3	1.5	1.8	2.0	2.2
5 years	0.5	0.7	0.9	1.0	1.2	1.5	1.5	1.6	2.0	2.1	2.4	2.5
10 years	0.7	0.9	1.1	1.2	1.4	1.7	1.7	2.0	2.4	2.5	2.8	3.0
25 years	0.9	1.1	1.3	1.4	1.7	2.1	2.1	2.3	2.6	2.9	3.2	3.4
50 years	1.0	1.3	1.5	1.6	2.0	2.3	2.3	2.6	3.0	3.2	3.6	4.0

These values are extracted from "Weather Bureau Technical Paper Nos. 40 and 49."