TABLE 1

Climatological Summary
The Dalles, Oregon
(Elevation 98 feet)
Period of Record 1850-65 and 1875-51

Item and description	Years of record	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Precipitation, inches														
Average	90	2.82	1.99	1.35	0.63	0.61	0.56	0.18	0.18	0.72	1.07	2.44	2.82	15.37
Percent of average annual	--	18	13	9	4	4	4	1	1	5	7	16	18	100
Maximum	90	7.08	9.41	6.07	2.50[2]	2.94	2.81	1.38	0.95	4.77	4.80	9.41	10.79	43.65
Year of maximum	--	1857	1858	1859	1859	1879	1947	1860	1943	1859	1875	1921	1856	1858
Minimum	90	0.43	0.00	T	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	6.37
Year of minimum	--	1949	1920	1926[1]	1857	1854[1]	1853[1]	1854[1]	1850[1]	1932[1]	1895[1]	1890	1850	1939
Greatest in 24 hours[3]	61	1.96	1.85	1.80	0.74	0.93	1.50	0.80	0.92	1.25	1.50	4.20	1.66	4.20
Year of greatest 24 hours[3]	--	1948	1890	1931	1907	1925	1903	1916	1943	1918	1893	1921	1923	Nov. 1921
Avg. No. days with .01 inch or more	72	11	9	8	5	4	4	1	1	4	6	10	12	75
Average snowfall	76	12.3	6.3	0.6	T						T	2.3	8.1	29.6
Maximum snowfall	76	76.0	39.3	8.5	0.2						1.0	54.0	108.5	151.5
Year of maximum snowfall	--	1950	1916	1877	1895						1878	1921	1884	1884
Avg. No. days with T or more snowfall	39	4	3	0[4]	0[4]						0[4]	1	2	10
Avg. No. days with 0.1 or more snowfall	39	4	2	0[4]							0[4]	0[4]	2	8
Temperature, °F.														
Average	72	33.8	38.4	46.4	53.8	60.4	66.6	72.6	71.4	63.2	53.7	42.5	36.0	53.2
Average daily maximum	72	39.7	46.8	57.1	66.3	73.4	79.5	86.8	85.9	77.2	65.8	50.8	41.6	64.2
Average daily minimum	72	27.8	30.0	35.8	41.2	47.4	53.6	58.2	56.8	49.3	41.6	34.2	30.3	42.2
Absolute maximum	72	65	72	82	95	101	105	115	108	107	90	77	74	115
Year of absolute maximum	--	1924[1]	1932	1911[1]	1926	1947	1926	1928[1]	1897[1]	1950	1921	1941	1933	July 1928[1]
Absolute minimum	72	-25	-21	-1	25	30	32	39	41	25	20	-2	-30	-30
Year of absolute minimum	--	1930	1950	1891	1880[1]	1887	1914	1924	1882[1]	1926	1879	1896	1919	Dec. 1919
Avg. No. days minimum 32 or lower	40	21	15	8	1						3	11	18	77
Avg. No. days minimum 0 or lower	40	1	0[4]	0[4]								0[4]	0[4]	1
Miscellaneous data														
Average number of days clear	37	8	10	14	16	19	19	26	24	20	16	9	6	187
Average number of days partly cloudy	37	9	9	11	10	8	8	4	5	7	9	10	10	100
Average number of days cloudy	37	14	9	6	4	4	3	1	2	3	6	11	15	78
Prevailing wind direction	55	W.	W.	W.	W.	W.	W.	W.	W.	W.	W.	W.	E.	W.

1 Later dates also.
2 Estimated.
3 Observation time to observation time.
4 Less than one-half day.

STATION HISTORY

Station was established July 1, 1850, at Fort Dalles and has been moved to various locations. However, all records were made within the city limits of The Dalles. All meteorological instruments were located from 4 to 5 feet above the ground. Records from April 1866 to November 1874 are missing and data for years 1850, 1851, 1852, 1856, and 1864 are not complete.

TABLE 2

Monthly and Annual Precipitation
The Dalles, Oregon
(Elevation 98 feet)

e - Estimated or Partially Estimated.

Precipitation in inches

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1850	--	--	--	--	--	--	0.01	0.00	0.09	0.91	1.14	0.19	--
1851	3.81	1.70	1.79	--	--	--	--	--	--	--	--	--	--
1852	--	--	--	--	--	--	--	--	--	.25	2.75	8.01	--
1853	3.02	1.09	.27	1.29	.62	.00	.08	.61	1.41	.24	4.90	.95	14.48
1854	2.79	.73	.36	1.52	.00	.15	.00	.18	.84	1.91	1.41	2.50	12.39
1855	3.03	.63	1.87	.17	1.08	.24	.07 e	.00	.69	.15	1.44	2.24	11.61 e
1856		.54	.91	.79	--	--	--	--	--	--	--	10.79	--
1857	7.08	1.85	2.83	.00	.23	1.02	.58	.00	2.70	.25	5.38	7.42	29.34
1858	5.60	9.41	2.91	1.36	1.70	1.03	.00	.75	5.16	3.32	6.48	5.93	43.65
1859	5.33	6.00	6.07	2.50 e	1.27	.20	.06	.47	5.77	2.14	4.25	3.66	37.72 e
1860	5.30	2.00	1.33	.83	1.73	.59	1.38	.40	.35	.48	3.46	3.47	21.32
1861	2.68	3.26	1.59	1.46	1.34	2.08	.00	.14	.33	.75	6.97	8.25	28.85
1862	4.47	2.25	3.54	.20	2.61	1.03	.22	.07	.64	.43	.20	.63	16.29
1863	3.38	2.17	.62	.48	.65	.11	.88	.08	.30	.48	.74	4.11	14.00
1864	5.88	.22	--	--	.09	.36	--	--	.16	.27	1.44	2.95	--
1865	2.20 e	1.66	1.52	.06	.00	.08	.55	.57	.59	2.06	6.37	2.55	18.21 e
1866	6.35	2.83	5.56	--	--	--	--	--	--	--	--	--	--
1874	--	--	--	--	--	--	--	--	--	--	--	3.01	--
1875	4.17	.31	2.13	.59	.81	1.65	.14	.12	.72	4.80	6.18	4.80	26.42
1876	2.76	1.39	2.20	1.09	.20	.34	.07	.02	.13	2.37	4.31	.46	15.34
1877	.78	1.68	3.66	1.21	1.03	.15	.48	.10	1.24	1.66	4.18	1.58	17.75
1878	2.96	2.32	1.99	.20	.26	.02	.08	.13	1.01	.53	1.22	1.61	12.33
1879	1.43	6.32	3.15	1.34	2.94	.11	.31	.48	.79	.88	1.24	2.57	21.56
1880	2.04	1.33	.16	1.03	.94	.02	.02	.43	.08	.12	.69	6.75	13.61
1881	6.37	6.23	.38	1.29	.14	1.82	.11	.23	.26	2.62	.75	1.76	21.96
1882	1.49	2.92	.23	.53	.27	.60	.12	.72	.43	2.30	.75	5.14	15.50
1883	4.85	.61	2.32	1.21	.54	.01	.00	.00	.01	.46	2.19	1.77	13.97
1884	1.33	3.10	.74	1.33	.69	.93	.44	.12	.65	1.27	.82	7.04	18.46
1885	1.10	2.88	.14	.31	.81	1.01	.00	.00	.87	1.28	1.78	2.64	12.82
1886	5.45	.53	.95	.30	.11	.07	.00	.02	.14	.70	.21	5.06	13.54
1887	4.01	1.13	.79	.46	.32	.67	.00	.18	.36	.15	1.06	3.01	12.14
1888	3.36	.41	.94	.05	.70	.92	.29	.00	.02	.95	1.34	2.71	11.69
1889	.51	.04	1.26	.42	.66	.29	T	T	.16	.90	1.27	2.00	7.51
1890	2.97	4.33	1.89	.24	.02	.27	.06	.04	.11	1.16	.00	1.19	12.28
1891	1.13	2.47	.53	.01	.32	.51	.24	.11	.13	1.14	1.39	4.14	12.12
1892	1.35	.68	.70	1.00	.67	.06	.27	T	.14	.90	1.16	5.04	11.97
1893	.69	1.84	.96	1.69	.69	.06	.30	.00	1.21	4.40	4.36	1.77	17.97
1894	4.84	1.83	3.73	.64	.47	1.15	.10	T	1.02	2.08	.51	1.65	18.02
1895	4.72	.47	.65	.24	.94	.00	.32	.05	1.14	.00	1.20	4.15	13.88
1896	3.45	.72	1.00	.95	.63	.10	T	.28	.42	.60	5.87	2.74	16.76
1897	1.14	2.98	1.94	.23	.27	1.07	.24	.08	.54	.24	3.84	4.03	16.60
1898	.82	.98	.30	.11	.03	.90	.17	.02	.85	.13	2.13	1.14	7.58
1899	2.82	2.19	.94	1.05	.45	.20	.00	.86	.81	1.56	3.57	2.29	16.74
1900	1.90	1.94	1.62	.42	.03	.47	T	.55	1.09	2.02	2.25	1.33	13.62
1901	3.46	4.15	.68	.09	.39	.20	T	.16	1.84	.13	1.69	3.04	15.83
1902	1.61	3.79	.52	1.82	.63	.13	.26	.00	.36	.78	3.53	4.00	17.43
1903	2.87	.47	.56	.23	.05	2.11	.12	.11	.15	1.10	4.44	.56	12.77
1904	1.52	4.50	3.10	.98	.09	.46	.40	.04	.61	1.44	1.01	1.79	15.94
1905	3.27	.51	.63	.18	.66	1.27	.19	.10	1.19	1.88	.84	1.07	11.79
1906	1.90	1.67	1.21	.11	.95	1.05	T	.31	.35	.23	3.99	3.07	14.84

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Monthly and Annual Precipitation
The Dalles, Oregon
(Elevation 98 feet)

e - Estimated or partially estimated.

Precipitation in inches

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1907	3.92	3.08	1.30	1.67	0.41	0.42	0.22	0.74	0.29	0.29	2.22	5.50	20.06
1908	1.06	.77	1.50	.17	.92	.10	.36	.16	.03	1.42	.48	1.21	8.18
1909	4.06	1.41	.33	.08	.13	.13	.39	.00	1.05	.83	4.55	3.09	16.05
1910	1.87	2.67	.41	.83	1.31	.72	T	.00	.05	1.01	4.18	1.51	14.56
1911	1.23	.56	.22	.21	.80	.30	.00	.00	2.92	.33	1.19	1.23	8.99
1912	6.30	2.03	1.03	.28	.82	.43	.02	.55	.31	.47	1.62	2.86	16.72
1913	3.88	.28	.71	.69	.92	1.55	.09	T	.46	1.65	2.21	1.72	14.16
1914	3.33	1.06	.30	1.15	.35	.73	.01	.00	1.24	1.22	1.06	.91	11.36
1915	2.24	2.05	1.59	.42	1.63	.00	.76	.00	.22	.52	3.95	2.49	15.87
1916	2.28	3.33	2.89	.60	.66	.98	1.28	.01	.18	.30	1.20	1.83	15.54
1917	.68	1.08	.71	2.05	.33	.10	.00	.00	.37	.00	2.53	4.99	12.84
1918	2.42	1.87	.14	.24	1.16	.00	.24	.30	1.40	2.18	1.03	1.01	11.99
1919	2.57	2.97	1.11	.87	.21	.15	.22	.05	.60	.66	2.86	2.92	15.19
1920	2.22	.00	.82	.98	.07	.69	.10	.54	1.05	.65	2.82	2.94	12.88
1921	2.58	4.12	1.93	.65	.36	.34	.00	.01	.71	.46	9.41	1.13	21.70
1922	1.00	.74	1.12	.50	.01	.09	.00	.58	.17	1.30	1.05	2.95	9.51
1923	4.40	.57	1.58	1.20	.34	.65	1.18	.70	.93	.58	1.04	3.05	16.22
1924	1.81	1.39	.35	.02	.00	.41	.15	.18	.20	1.32	3.35	1.15	10.33
1925	4.04	2.49	.52	.80	1.47	T	T	.01	.81	.03	1.94	1.11	13.22
1926	1.71	3.06	T	.18	.62	.00	T	.23	.44	.75	5.50	1.42	13.91
1927	4.19	3.35	.45	T	.40	.30	T	T	2.51	.81	3.02	.87	15.90
1928	3.50	.23	2.92	1.04	T	.54	.12	.00	.09	.15	1.81	2.61	13.01
1929	2.24	.02	T	.40	T	.55	.00	T	.13	.23	.02	4.96	8.55
1930	2.18	1.85	.88	.20	.12	.12	.00	.03	.21	1.06	1.60	.75	9.00
1931	1.26	.38	3.25	.50	T	1.35	.00	T	.85	.80	1.83	1.38	11.60
1932	1.82	1.72	1.42	.68	1.62	T	T	T	.00	1.01	2.28	2.19	12.74
1933	1.52	1.07	.99	T	1.34	.45	.00	T	.84	1.04	1.07	4.79	13.11
1934	2.15	.38	1.72	.59	.28	.05	T	.23	.88	1.80	3.08	2.85	14.01
1935	.73	.52	1.03	.48	.03	.14	.11	.02	.44	.56	.69	2.11	6.86
1936	5.07	1.90	.63	.19	.90	1.57	.04	.00	.08	.08	.05	2.39	12.90
1937	2.62	2.49	1.28	1.09	.09	2.19	.29	.71	.25	.58	3.11	4.56	19.26
1938	1.71	2.69	2.30	.40	.09	.37	.16	T	T	1.10	1.59	1.46	11.87
1939	.66	1.35	1.18	T	.28	.33	.02	.09	.11	.13	.09	2.13	6.37
1940	1.95	4.79	1.27	1.01	.20	.24	.14	.00	1.38	1.43	1.76	1.33	15.50
1941	2.31	.81	.32	.39	.86	.08	.00	.33	.56	.82	2.48	2.69	11.65
1942	1.53	2.80	.09	.26	1.25	.30	.02	.08	.00	.26	5.10	3.96	15.65
1943	3.39	1.57	1.53	1.48	.30	.87	.10	.95	T	3.84	1.49	.65 e	16.17 e
1944	.90	1.85	.13	.49	.25	.68	.00	T	.50	.26	2.05	.72	7.83
1945	1.43	1.72	.61	.57	2.05	T	T	.03	.22	.65	3.33	3.91	14.52
1946	2.13	1.81	1.39	T	.32	.80	.31	.06	.24	1.50	2.11	.92	11.59
1947	1.45	.99	1.07	.95	.03	2.81	.41	.01	1.14	3.15	1.60	.76	14.37
1948	3.31	2.80	1.67	.59	1.04	1.53	.30	.20	1.60	.46	3.15	3.88	20.53
1949	.43	3.45	1.27	.03	.57	.17	.03	T	.27	.49	2.48	.93	10.12
1950	5.57	1.79	2.03	.51	.12	.40	T	.02	.70	3.98	3.28	3.42	21.82
1951	4.05	2.39	2.10	.22	.90	.43	.03	.41	.35	2.45	1.80	2.87	18.00
Avg.	2.82	1.99	1.35	.63	.61	.56	.18	.18	.72	1.07	2.44	2.82	15.37
Max.	7.08	9.41	6.07	2.50 e	2.94	2.81	1.38	.95	5.77	4.80	9.41	10.79	43.65
Min.	.43	.00	T	.00	.00	.00	.00	.00	.00	.00	.00	.19	6.37