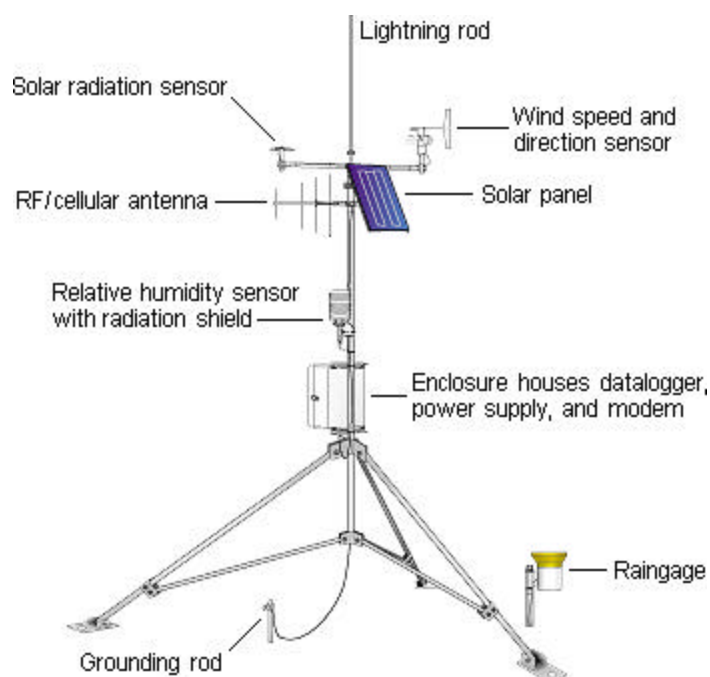




July 2003 Monthly Weather Report

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Weather Monitoring at Prairie Fork Conservation Area



July 2003

Prairie Fork Conservation Area
Monthly Weather Data

Date	Max Temp (°F)	Min Temp (°F)	Avg RH (%)	Max Wind (mph)	Avg Wind (mph)	Wind Dir (deg)	Total SR (MJ/m ²)	Total Rain (in)	Min SLP (mb)
7 1	83.7	64.1	78	7.6	1.1	105	20.17	0.09	1013.6
7 2	88.3	65.9	72	7.3	1.5	197	26.37	0.00	1011.1
7 3	89.8	67.0	73	10.8	4.3	199	28.03	0.00	1010.2
7 4	91.9	73.9	71	13.2	5.1	212	26.91	0.00	1011.6
7 5	91.4	72.8	71	12.8	3.8	206	27.23	0.00	1012.5
7 6	89.0	72.1	72	14.5	5.7	215	26.75	0.00	1011.9
7 7	90.9	73.6	67	14.4	6.5	219	27.78	0.00	1013.3
7 8	89.8	75.1	68	15.2	6.5	215	25.65	0.00	1013.4
7 9	90.8	68.7	73	14.5	5.5	211	26.05	0.35	1009.6
7 10	85.9	64.8	69	12.2	4.0	226	23.80	0.20	1011.2
7 11	85.7	61.8	64	10.7	3.1	237	26.27	0.00	1013.6
7 12	85.6	64.1	67	7.2	1.4	345	27.66	0.00	1014.8
7 13	88.1	60.6	65	6.3	1.6	77	27.69	0.00	1016.0
7 14	90.0	63.1	70	10.1	3.5	150	27.94	0.00	1012.7
7 15	93.2	63.8	58	9.8	3.1	306	25.27	0.00	1012.9
7 16	91.4	60.7	64	7.4	1.1	38	27.02	0.00	1017.9
7 17	88.8	69.2	67	14.8	3.1	203	19.68	0.01	1017.2
7 18	81.9	72.1	76	13.3	4.6	144	13.26	0.00	1015.1
7 19	87.6	69.3	72	6.8	1.8	69	17.99	0.00	1016.3
7 20	94.0	67.1	70	11.3	4.6	201	27.59	0.00	1008.2
7 21	90.7	65.6	61	12.2	2.8	246	27.26	0.00	1006.9
7 22	82.7	60.6	65	6.5	1.6	6	24.22	0.00	1011.7
7 23	81.5	56.8	63	7.9	1.6	14	25.60	0.00	1016.5
7 24	82.6	52.6	64	9.3	2.1	135	26.95	0.00	1018.1
7 25	89.1	61.2	60	12.6	4.6	180	27.12	0.00	1018.2
7 26	92.7	63.2	62	14.4	5.1	197	27.05	0.00	1017.4
7 27	97.4	73.8	61	12.6	4.1	247	23.38	0.00	1014.7
7 28	83.7	68.3	79	6.3	1.9	43	11.78	0.08	1014.0
7 29	84.5	64.0	70	8.1	2.5	37	21.32	0.00	1014.8
7 30	88.1	58.4	64	6.7	1.6	44	24.32	0.00	1014.5
7 31	94.6	60.6	63	9.9	2.9	196	23.70	0.03	1013.1
Average	88.6	65.6	68	10.5	3.3		24.57		1013.6
Max	97.4	75.1	79	15.2	6.5		28.03	0.35	1018.2
Min	81.5	52.6	58	6.3	1.1		11.78		1006.9
Total							761.81	0.76	

July 2003

Prairie Fork Conservation Area
 Monthly Soil/Fuel Data

Date	Max ST(2") (°F)	Min ST(2") (°F)	Max ST(4") (°F)	Min ST(4") (°F)	Avg SM (%)	Avg FM (%)	Avg FT (°F)
7 1	81.0	74.9	78.4	73.4	118.0	12.0	75.6
7 2	83.6	75.6	80.6	74.0	116.0	8.9	79.1
7 3	83.8	76.3	80.8	74.9	112.0	7.3	81.1
7 4	85.0	78.2	81.8	76.4	107.0	6.4	83.4
7 5	85.7	79.0	82.7	77.2	102.0	6.8	83.0
7 6	84.6	79.0	81.8	77.2	97.0	7.5	81.4
7 7	84.6	78.4	81.6	76.5	91.0	6.5	82.6
7 8	84.3	78.8	81.4	76.9	86.0	6.7	82.0
7 9	84.6	78.1	81.6	76.3	82.0	6.6	81.8
7 10	82.7	77.2	80.3	75.5	100.0	21.8	73.8
7 11	82.7	75.0	80.1	73.3	93.0	7.7	75.6
7 12	83.2	75.3	80.9	73.6	87.0	7.2	76.2
7 13	83.1	74.3	80.7	73.0	82.0	6.1	76.2
7 14	83.7	74.6	81.3	73.2	78.0	5.7	80.9
7 15	85.2	77.7	83.0	76.4	75.0	5.4	82.0
7 16	84.1	74.7	82.0	73.6	71.0	5.0	79.7
7 17	82.9	77.2	80.4	75.3	69.0	6.3	78.8
7 18	79.9	77.5	77.8	75.7	68.0	8.2	76.9
7 19	81.7	76.7	79.6	74.8	67.0	7.7	78.3
7 20	85.0	75.4	82.1	73.8	65.0	6.7	83.8
7 21	86.3	78.4	83.7	77.0	64.0	4.2	82.6
7 22	82.2	75.6	80.3	74.4	62.0	5.0	73.6
7 23	80.8	72.6	78.9	71.6	61.0	5.1	70.8
7 24	80.8	70.7	78.5	69.9	60.0	4.7	72.6
7 25	82.3	72.5	79.5	71.2	59.0	3.5	76.9
7 26	83.6	73.4	80.4	72.1	58.0	3.2	80.1
7 27	85.8	76.7	82.7	74.9	58.0	3.6	85.9
7 28	81.9	77.8	79.6	76.7	58.0	10.1	76.9
7 29	82.5	75.7	80.3	74.2	57.0	8.7	74.4
7 30	82.9	72.8	80.4	71.7	57.0	5.5	76.0
7 31	85.0	73.6	81.5	72.4	56.0	5.8	78.0
Average	83.4	75.9	80.8	74.4	77.9	7.0	78.7
Max	86.3	79.0	83.7	77.2	118.0	21.8	85.9
Min	79.9	70.7	77.8	69.9	56.0	3.2	70.8

ST : Soil Temperature
 SM : Soil Moisture (by volume)
 FM : Fuel Moisture
 FT : Fuel Temperature

Prairie Fork Conservation Area Soil Temperature Chart (July 2003)

