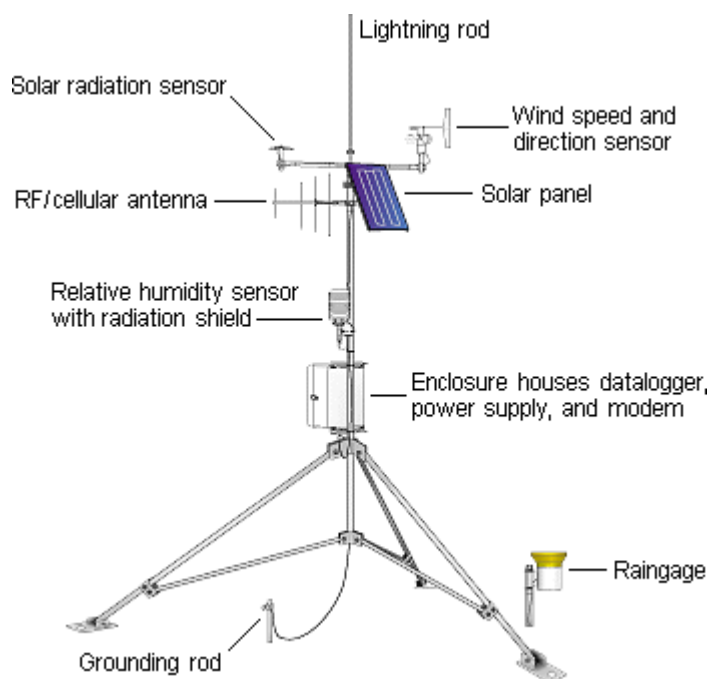




December 2004 Monthly Weather Report

By
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Weather Monitoring at Prairie Fork Conservation Area



Month 2004

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)
12 1	45.4	25.5	74	10.6	2.0	242	11.23	0.08	1018.7
12 2	47.5	27.8	75	10.5	2.9	232	10.55	0.00	1017.9
12 3	49.3	27.3	68	11.9	3.9	220	10.48	0.00	1014.0
12 4	59.4	33.0	58	16.4	6.4	217	10.57	0.00	1012.8
12 5	49.8	29.5	78	10.2	3.3	160	2.31	0.28	1006.5
12 6	57.9	48.1	85	10.2	3.1	170	4.62	0.43	1001.0
12 7	51.8	29.9	88	14.2	2.7	269	1.40	0.19	997.8
12 8	48.0	28.2	79	15.2	3.5	146	6.26	0.00	1008.6
12 9	56.5	39.0	75	10.7	2.1	214	7.99	0.00	1002.7
12 10	42.3	36.7	88	7.1	2.1	283	0.83	0.04	1003.1
12 11	38.4	29.1	87	8.4	2.1	261	1.63	0.00	1009.9
12 12	49.9	30.9	72	14.0	4.4	245	4.47	0.00	1005.7
12 13	35.2	21.0	55	6.7	2.4	302	8.28	0.00	1018.2
12 14	35.9	14.6	63	8.0	1.1	278	10.46	0.00	1033.0
12 15	46.8	13.2	57	15.4	5.1	196	9.26	0.00	1024.6
12 16	50.2	29.1	66	12.1	4.6	236	8.92	0.00	1024.1
12 17	46.1	20.9	71	8.4	1.6	215	9.63	0.00	1016.1
12 18	52.6	25.8	61	10.6	3.5	276	8.03	0.00	1013.9
12 19	25.9	10.6	52	6.9	2.4	357	10.46	0.00	1022.0
12 20	42.0	16.4	53	19.8	7.8	173	9.88	0.00	1000.0
12 21	46.6	22.5	69	9.6	2.4	281	6.67	0.00	1007.0
12 22	22.5	11.3	59	7.7	2.2	344	3.52	0.00	1021.9
12 23	22.8	4.6	58	7.0	1.2	325	10.28	0.00	1023.2
12 24	21.4	0.4	59	11.6	3.6	210	10.50	0.00	1017.8
12 25	37.9	21.1	50	13.7	6.2	210	6.45	0.00	1014.8
12 26	41.5	23.2	68	8.7	1.7	7	8.64	0.00	1019.0
12 27	41.5	21.2	70	10.6	5.2	139	7.22	0.00	1026.0
12 28	53.0	34.2	62	17.0	7.2	205	5.04	0.00	1017.5
12 29	62.2	43.7	70	10.5	2.8	200	8.22	0.00	1018.2
12 30	67.7	47.0	77	22.1	8.9	182	3.71	0.00	1009.3
12 31	67.8	50.5	74	14.7	5.3	240	7.15	0.00	1012.9
Average	45.7	26.3	68	11.6	3.7		7.25		1014.1
Max	67.8	50.5	88	22.1	8.9		11.23	0.43	1033.0
Min	21.4	0.4	50	6.7	1.1		0.83		997.8
Total							224.66	1.02	

December 2004

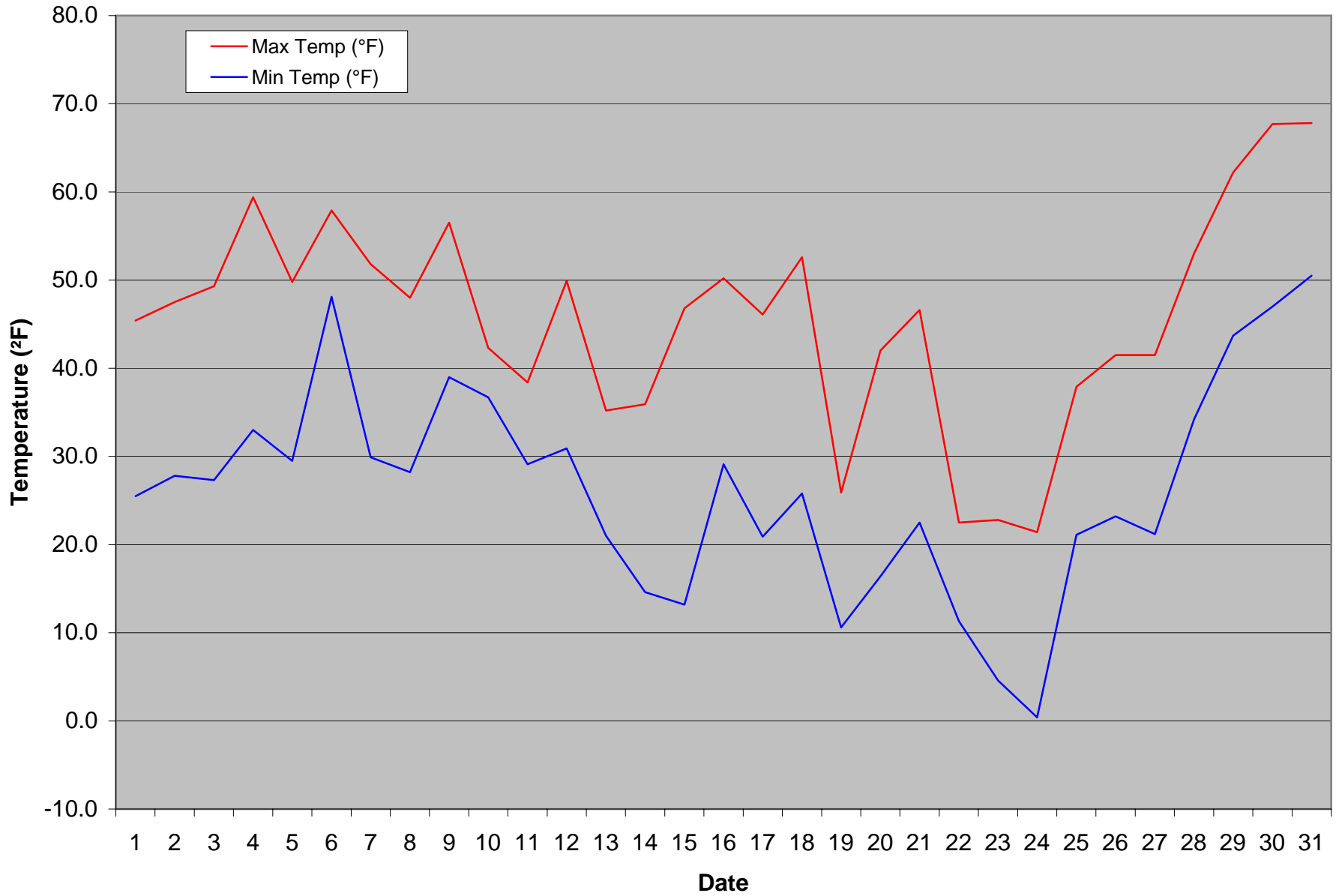
Prairie Fork Conservation Area
 Monthly Soil/Fuel Data

Date	Max ST(2") (°F)	Min ST(2") (°F)	Max ST(4") (°F)	Min ST(4") (°F)	Avg SM (%)	Avg FM (%)	Avg FT (°F)
12 1	44.9	41.9	44.7	42.7	70.0	29.6	65.3
12 2	45.1	41.2	44.5	41.8	70.0	23.2	73.7
12 3	44.3	40.4	43.9	41.1	69.0	16.6	68.3
12 4	45.3	40.9	44.5	41.4	70.0	10.6	75.6
12 5	44.6	41.0	43.9	41.5	70.0	20.6	65.2
12 6	48.7	44.6	47.7	43.9	70.0	36.8	86.4
12 7	48.4	45.4	47.8	45.9	71.0	39.2	67.9
12 8	45.8	42.8	45.9	43.3	70.0	26.1	69.5
12 9	47.7	43.9	46.9	43.9	70.0	19.1	80.3
12 10	45.9	44.4	46.0	44.3	70.0	20.5	63.3
12 11	44.4	42.4	44.4	42.9	70.0	22.2	59.4
12 12	44.9	41.8	44.5	42.0	70.0	15.2	70.5
12 13	42.8	38.8	43.2	39.7	70.0	11.1	50.6
12 14	38.8	36.5	39.7	37.3	70.0	10.5	35.8
12 15	36.5	35.5	37.4	36.1	69.0	9.4	49.4
12 16	39.7	35.8	39.1	36.2	69.0	7.3	67.9
12 17	39.0	35.7	38.6	36.3	69.0	9.3	50.7
12 18	41.4	37.5	40.6	37.6	69.0	8.2	66.3
12 19	39.8	35.5	40.0	36.1	68.0	8.6	25.3
12 20	35.5	34.7	36.1	35.2	68.0	7.4	43.3
12 21	38.3	35.0	37.7	35.2	67.0	8.0	53.3
12 22	36.9	34.6	37.0	35.0	67.0	8.9	22.6
12 23	34.7	33.8	35.0	34.1	66.0	9.2	17.0
12 24	33.9	33.2	34.2	33.6	65.0	9.2	13.5
12 25	33.3	33.1	33.6	33.4	65.0	7.3	38.2
12 26	33.3	33.2	33.5	33.4	65.0	7.9	36.2
12 27	33.3	33.2	33.4	33.3	65.0	8.1	39.3
12 28	35.3	33.3	34.2	33.3	65.0	7.1	69.4
12 29	41.0	35.3	39.6	34.2	66.0	8.3	77.6
12 30	46.4	39.1	44.7	38.7	66.0	9.7	86.1
12 31	48.8	45.7	47.2	44.7	67.0	8.9	85.9
Average	41.2	38.4	41.0	38.6	68.3	14.3	57.2
Max	48.8	45.7	47.8	45.9	71.0	39.2	86.4
Min	33.3	33.1	33.4	33.3	65.0	7.1	13.5

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

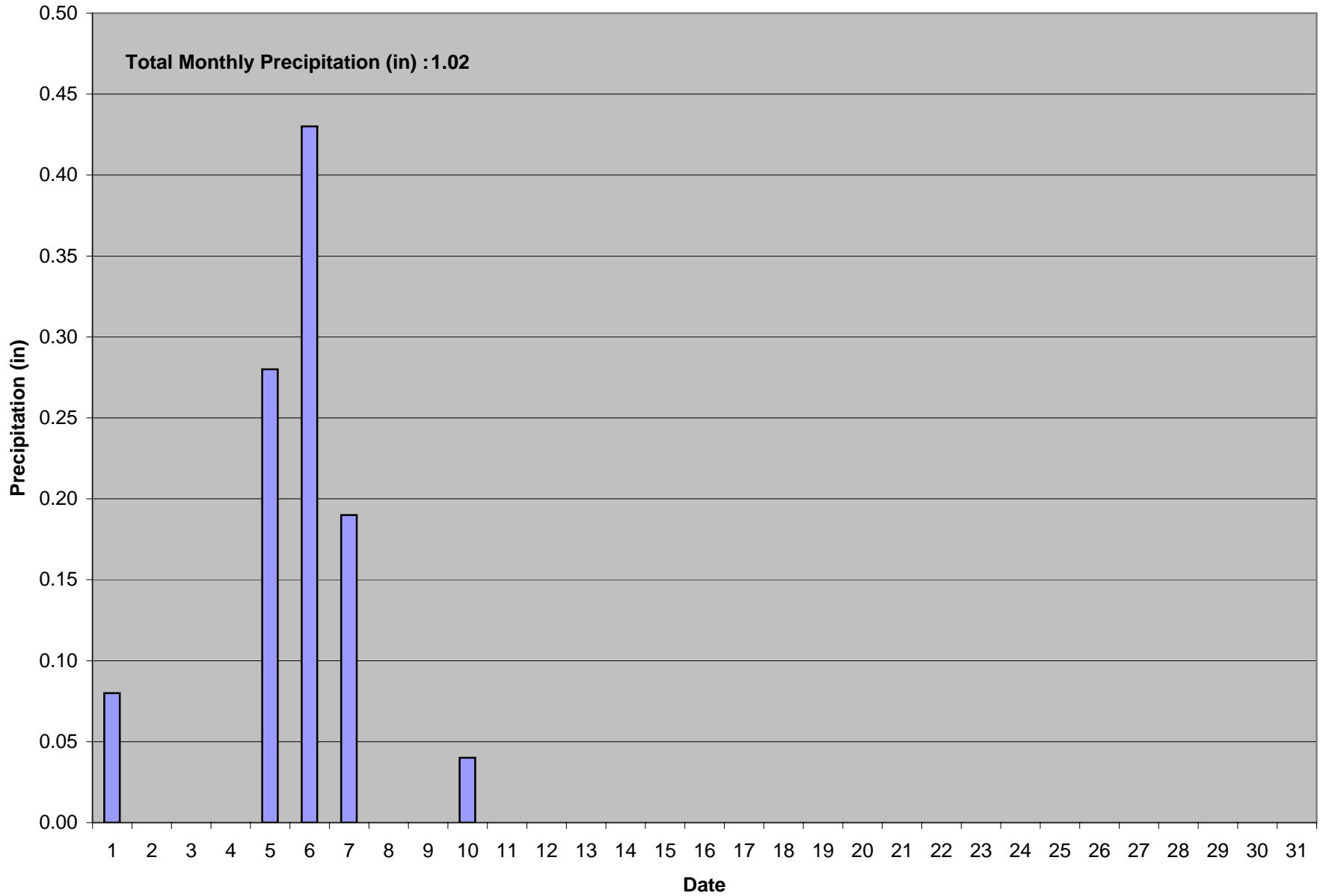
December 2004

Prairie Fork Coservation Area, Williamsburg, MO
Average Daily Temperatures



December 2004

Prairie Fork Conservation Area, Williamsburg, MO
Daily Total Precipitation



Prairie Fork Conservation Area Soil Temperature Chart (December 2004)

