



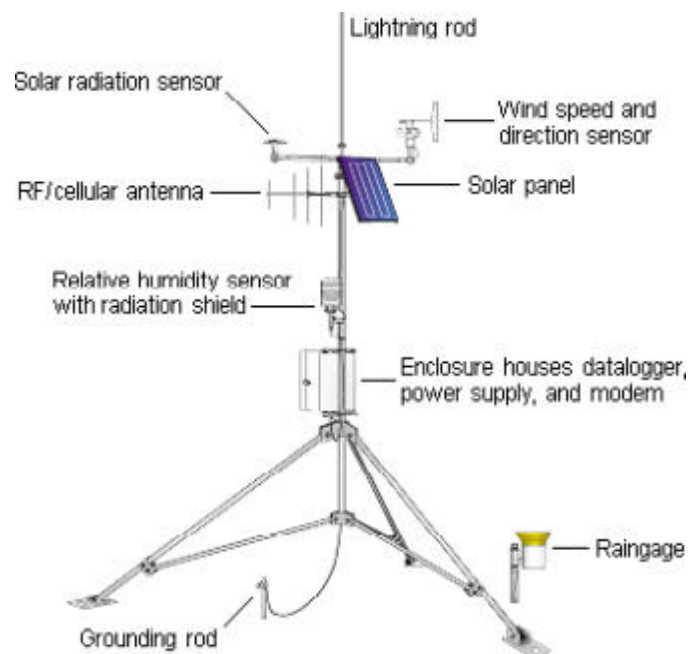
## December 2003 Monthly Weather Report

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### Weather Monitoring at Prairie Fork Conservation Area



December 2003

**Prairie Fork Conservation Area  
Monthly Weather Data**

<b>Date</b>	<b>Max Temp (°F)</b>	<b>Min Temp (°F)</b>	<b>Avg RH (%)</b>	<b>Max Wind (mph)</b>	<b>Avg Wind (mph)</b>	<b>Wind Dir (deg)</b>	<b>Total SR (MJ/m<sup>2</sup>)</b>	<b>Total Rain (in)</b>	<b>Min SLP (mb)</b>
12 1	50.8	31.9	42	6.9	1.4	318	9.39	0.00	1026.6
12 2	48.8	35.4	51	10.9	4.0	127	6.29	0.00	1021.9
12 3	40.2	33.9	65	11.4	4.5	72	0.88	0.08	1017.5
12 4	38.1	34.8	94	5.6	1.4	299	1.06	0.02	1017.2
12 5	37.7	28.3	91	6.3	2.1	310	0.86	0.07	1016.0
12 6	33.7	25.5	92	6.6	1.3	277	2.61	0.00	1022.4
12 7	50.5	26.6	66	12.1	4.7	144	7.22	0.00	1012.3
12 8	55.6	39.8	74	12.2	4.9	166	8.76	0.00	1006.8
12 9	57.1	45.3	91	10.9	3.7	104	1.38	0.69	992.6
12 10	54.4	18.0	90	8.1	1.3	314	0.52	0.37	991.0
12 11	32.2	10.7	75	3.3	0.5	314	2.31	0.11	1015.9
12 12	33.9	11.4	70	5.6	1.5	43	2.68	0.02	1022.3
12 13	28.0	24.4	85	8.4	2.9	42	0.69	0.00	1014.6
12 14	28.4	22.2	94	10.7	3.4	209	0.68	0.00	1011.0
12 15	51.9	22.3	80	18.0	7.1	165	8.49	0.31	1000.2
12 16	48.5	25.0	75	14.5	4.0	265	3.06	0.00	1002.0
12 17	41.7	22.7	72	12.2	5.0	234	7.57	0.02	1011.6
12 18	45.2	32.3	72	9.8	3.3	283	4.22	0.04	1011.5
12 19	38.8	23.4	65	7.1	1.9	296	9.31	0.00	1018.9
12 20	44.4	17.6	60	11.2	4.0	191	9.93	0.00	1019.0
12 21	60.6	36.7	58	21.8	8.9	202	9.33	0.00	1012.6
12 22	51.7	38.7	81	7.9	2.7	173	0.67	1.36	1011.6
12 23	39.1	25.5	84	4.2	0.9	305	1.90	0.02	1011.8
12 24	37.6	19.8	69	3.4	0.7	267	9.91	0.00	1018.4
12 25	46.9	15.0	65	8.5	2.6	187	9.52	0.00	1020.0
12 26	53.3	28.7	58	11.7	5.2	156	7.97	0.00	1019.1
12 27	64.0	38.6	69	17.9	8.8	164	7.74	0.03	1009.8
12 28	52.6	42.6	75	14.4	5.9	206	3.24	0.14	1011.3
12 29	43.0	30.1	67	11.2	3.2	247	7.38	0.00	1012.5
12 30	55.9	26.1	54	17.5	7.7	197	10.31	0.00	1015.8
12 31	56.8	33.1	50	9.8	3.3	190	10.02	0.00	1018.1
<b>Average</b>	<b>45.9</b>	<b>27.9</b>	<b>72</b>	<b>10.3</b>	<b>3.6</b>		<b>5.35</b>		<b>1013.3</b>
<b>Max</b>	<b>64.0</b>	<b>45.3</b>	<b>94</b>	<b>21.8</b>	<b>8.9</b>		<b>10.31</b>	<b>1.36</b>	<b>1026.6</b>
<b>Min</b>	<b>28.0</b>	<b>10.7</b>	<b>42</b>	<b>3.3</b>	<b>0.5</b>		<b>0.52</b>		<b>991.0</b>
<b>Total</b>							<b>165.90</b>	<b>3.28</b>	

December 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)
12 1	46.2	42.6	45.1	42.6		5.3	40.9
12 2	45.8	43.2	44.9	43.0		4.9	41.4
12 3	44.1	42.9	43.7	41.7		18.0	35.6
12 4	44.1	43.1	43.4	42.5		40.7	36.0
12 5	43.6	41.0	43.2	41.2		37.4	31.8
12 6	41.8	39.3	41.2	39.5		28.4	27.8
12 7	42.6	39.0	41.8	39.1		23.3	37.6
12 8	45.9	41.7	44.7	40.4		13.5	46.4
12 9	49.1	45.2	48.1	44.4		27.4	51.0
12 10	49.2	44.4	48.2	44.1			
12 11	44.4	42.7	44.1	42.5			
12 12	42.7	41.2	42.5	41.4			
12 13	41.5	40.9	41.6	41.1		20.4	67.9
12 14	41.5	41.2	41.1	40.7		21.4	62.9
12 15	42.8	39.6	42.2	40.6			
12 16	42.9	38.6	42.3	39.0			
12 17	40.2	36.9	39.7	37.1			
12 18	41.8	39.6	41.0	39.4			
12 19	41.4	37.4	40.6	38.0			
12 20	38.5	35.6	38.0	36.0			
12 21	42.8	37.1	41.7	36.9			
12 22	44.3	42.6	43.4	41.6			
12 23	43.2	39.8	42.8	40.0			
12 24	40.0	36.5	40.0	37.1			
12 25	37.1	35.1	37.1	35.4			
12 26	40.2	35.6	39.3	35.6			
12 27	45.4	38.9	44.1	38.4			
12 28	46.0	44.7	45.0	44.0			
12 29	44.7	40.1	44.1	40.3			
12 30	42.3	38.0	41.3	38.1			
12 31	43.6	38.9	42.3	38.7			
<b>Average</b>	<b>43.2</b>	<b>40.1</b>	<b>42.5</b>	<b>40.0</b>	<b>#DIV/0!</b>	<b>21.9</b>	<b>43.6</b>
<b>Max</b>	<b>49.2</b>	<b>45.2</b>	<b>48.2</b>	<b>44.4</b>	<b>0.0</b>	<b>40.7</b>	<b>67.9</b>
<b>Min</b>	<b>37.1</b>	<b>35.1</b>	<b>37.1</b>	<b>35.4</b>	<b>0.0</b>	<b>4.9</b>	<b>27.8</b>

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

Prairie Fork Conservation Area Soil Temperature Chart (December 2003)

