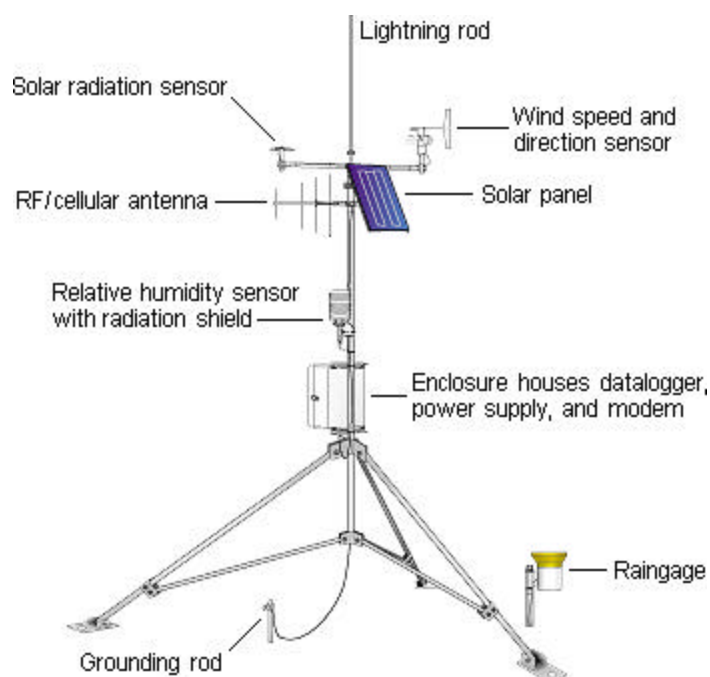




October 2002 Monthly Weather Report

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Weather Monitoring at Prairie Fork Conservation Area



October 2002

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)
10 1	88.8	69.1	57	13.8	5.5	198	15.93	0.00	1013.8
10 2	86.6	64.1	73	18.7	3.6	200	13.52	0.75	1014.1
10 3	81.8	67.0	81	11.5	1.5	125	8.76	0.15	1007.9
10 4	75.5	48.3	72	17.1	4.1	216	14.43	0.31	1002.7
10 5	71.7	41.4	64	6.9	1.7	188	19.43	0.00	1018.0
10 6	74.4	48.7	64	14.2	3.5	210	14.87	0.31	1015.5
10 7	62.0	36.7	65	7.5	1.5	210	18.51	0.00	1020.7
10 8	64.1	39.5	70	9.3	1.7	194	10.77	0.00	1018.3
10 9	71.3	45.3	64	4.9	1.0	186	12.12	0.00	1019.2
10 10	74.1	43.9	66	8.7	1.9	84	17.94	0.00	1017.4
10 11	75.6	49.3	76	6.2	1.4	105	12.62	0.00	1016.1
10 12	70.1	47.4	84	8.9	1.8	212	6.28	0.22	1016.4
10 13	57.9	34.4	62	8.2	1.4	350	18.32	0.00	1027.3
10 14	62.9	30.3	61	8.5	1.7	83	18.44	0.00	1017.2
10 15	64.0	33.3	65	5.4	1.4	332	15.88	0.00	1015.3
10 16	54.1	31.4	64	6.3	1.2	311	13.59	0.00	1016.1
10 17	54.7	35.8	76	12.4	3.5	244	10.70	0.00	1015.6
10 18	69.0	36.2	72	22.0	6.9	203	9.16	0.39	1010.2
10 19	59.8	35.1	73	9.5	1.5	333	13.32	0.37	1011.9
10 20	58.2	30.7	66	7.4	1.3	20	15.85	0.00	1017.7
10 21	65.3	30.4	64	7.7	1.4	161	15.26	0.00	1017.0
10 22	55.9	35.7	78	7.6	2.1	20	13.87	0.00	1019.1
10 23	47.7	40.6	78	8.1	3.7	27	5.39	0.01	1024.9
10 24	60.0	41.1	73	7.0	2.2	39	10.54	0.08	1018.0
10 25	54.0	47.9	93	5.7	1.3	340	2.43	0.79	1013.7
10 26	48.4	43.1	84	3.4	0.8	329	3.09	0.03	1018.0
10 27	47.1	42.0	80	7.6	2.6	43	3.42	0.02	1018.0
10 28	49.3	43.5	90	6.4	2.8	44	2.15	0.01	1011.9
10 29	48.3	42.0	92	8.8	4.1	27	1.63	0.38	1009.0
10 30	43.2	39.1	91	7.9	1.8	27	1.86	0.12	1014.8
10 31	43.6	36.0	86	4.5	1.0	331	2.91	0.00	1022.0
Average	62.6	42.2	74	9.1	2.3		11.06		1016.1
Max	88.8	69.1	93	22.0	6.9		19.43	0.79	1027.3
Min	43.2	30.3	57	3.4	0.8		1.63		1002.7
Total							342.99	3.94	

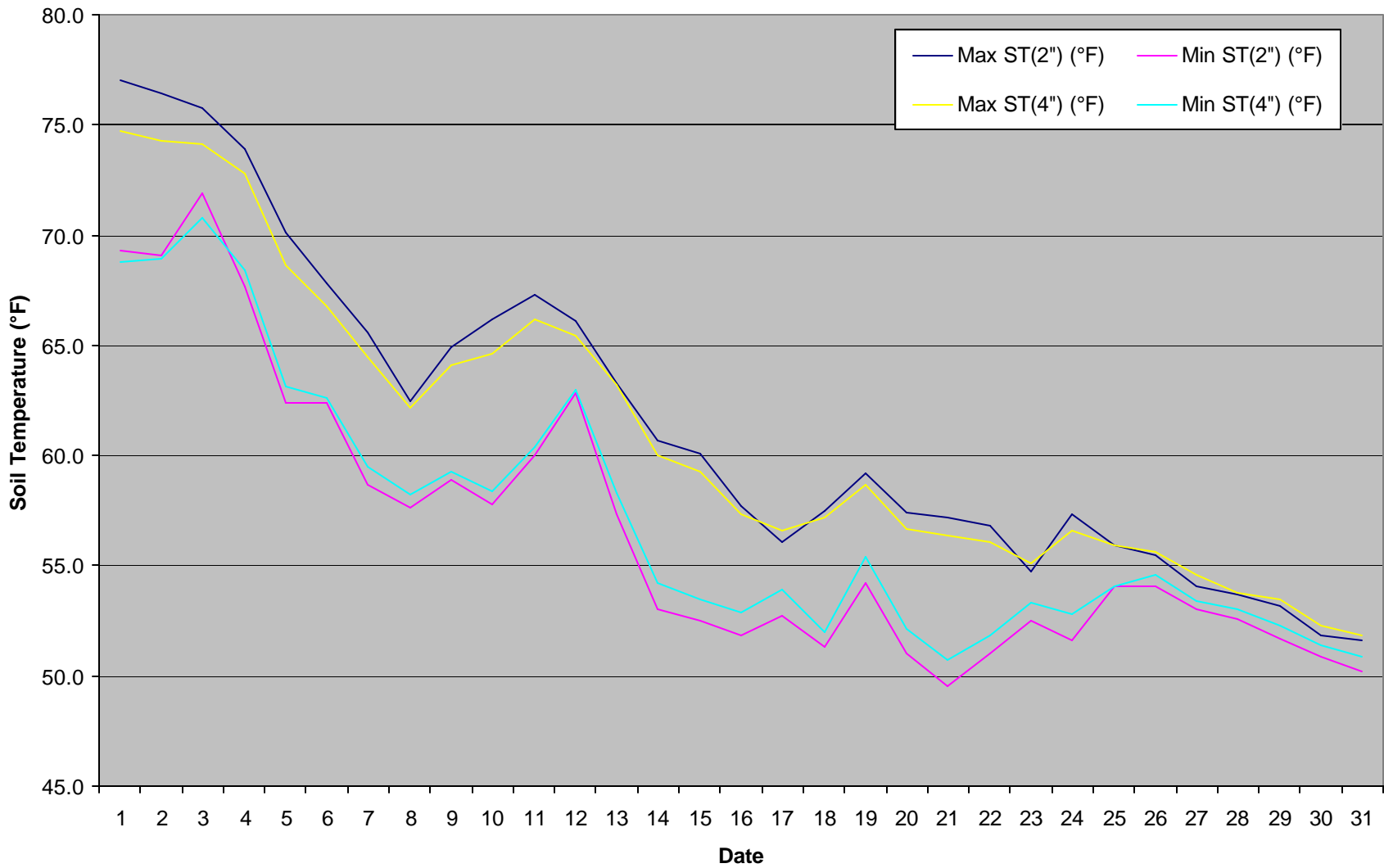
October 2002

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)
10 1	77.0	69.3	74.7	68.8	43.0	3.0	77.3
10 2	76.4	69.1	74.3	68.9	50.0	10.7	72.4
10 3	75.8	71.9	74.1	70.8	78.0	26.0	71.5
10 4	73.9	67.7	72.8	68.4	84.0	21.7	64.6
10 5	70.1	62.4	68.6	63.1	81.0	10.9	57.3
10 6	67.8	62.4	66.8	62.6	86.0	13.8	58.5
10 7	65.6	58.7	64.5	59.5	83.0	7.7	50.1
10 8	62.5	57.6	62.2	58.2	80.0	8.7	51.1
10 9	64.9	58.9	64.1	59.3	78.0	8.1	56.6
10 10	66.2	57.8	64.6	58.4	76.0	8.1	59.0
10 11	67.3	60.0	66.2	60.4	75.0	8.3	62.5
10 12	66.1	62.8	65.4	63.0	74.0	19.1	58.9
10 13	63.3	57.3	63.2	58.3	73.0	18.4	47.0
10 14	60.7	53.0	60.0	54.2	71.0	9.3	45.4
10 15	60.1	52.5	59.3	53.5	70.0	7.4	48.0
10 16	57.7	51.8	57.3	52.9	69.0	6.9	44.5
10 17	56.1	52.7	56.6	53.9	67.0	8.9	43.0
10 18	57.5	51.3	57.2	52.0	67.0	16.6	52.5
10 19	59.2	54.2	58.7	55.4	88.0	24.6	47.9
10 20	57.4	51.0	56.7	52.1	83.0	13.1	43.3
10 21	57.2	49.5	56.4	50.7	80.0	9.0	46.4
10 22	56.8	51.0	56.1	51.8	79.0	9.2	46.6
10 23	54.7	52.5	55.1	53.3	78.0	9.5	43.8
10 24	57.3	51.6	56.6	52.8	77.0	11.7	50.4
10 25	55.9	54.1	55.9	54.1	90.0	33.9	49.5
10 26	55.5	54.1	55.6	54.6	88.0	29.3	44.6
10 27	54.1	53.0	54.6	53.4	86.0	18.9	42.9
10 28	53.7	52.6	53.8	53.0	85.0	20.9	45.3
10 29	53.2	51.7	53.5	52.3	92.0	30.8	44.0
10 30	51.8	50.9	52.3	51.4	91.0	33.8	40.4
10 31	51.6	50.2	51.8	50.9	91.0	29.9	38.9
Average	61.5	56.6	60.9	57.2	77.8	15.7	51.7
Max	77.0	71.9	74.7	70.8	92.0	33.9	77.3
Min	51.6	49.5	51.8	50.7	43.0	3.0	38.9

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

Prairie Fork Conservation Area Soil Temperature Chart (October 2002)



Prairie Fork Conservation Area Soil Moisture Chart (October 2002)

