

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
5/14/04 5:50 PM	2.432	0.697	0.749	0.8	0.706	0.754	0.914	0.715	1.939
5/14/04 6:50 PM	2.434	0.683	0.736	0.802	0.71	0.751	0.909	0.713	1.935
5/14/04 7:20 PM	2.379	0.702	0.764	0.792	0.703	0.754	0.906	0.709	1.938
5/14/04 8:20 PM	2.401	0.692	0.751	0.795	0.703	0.753	0.905	0.709	1.93
5/14/04 9:20 PM	2.409	0.686	0.741	0.793	0.704	0.75	0.89	0.704	1.916
5/14/04 10:20 PM	2.375	0.689	0.746	0.793	0.704	0.75	0.887	0.699	1.922
5/14/04 11:20 PM	2.391	0.694	0.749	0.798	0.702	0.748	0.887	0.702	1.921
5/15/04 12:20 AM	2.418	0.692	0.735	0.795	0.707	0.75	0.886	0.699	1.926
5/15/04 1:20 AM	2.405	0.692	0.742	0.796	0.705	0.752	0.886	0.699	1.924
5/15/04 2:20 AM	2.385	0.681	0.745	0.799	0.703	0.752	0.89	0.701	1.918
5/15/04 3:20 AM	2.397	0.697	0.75	0.793	0.71	0.755	0.887	0.701	1.928
5/15/04 4:20 AM	2.414	0.694	0.739	0.793	0.71	0.753	0.885	0.699	1.929
5/15/04 5:20 AM	2.458	0.701	0.738	0.795	0.708	0.751	0.884	0.698	1.914
5/15/04 6:20 AM	2.451	0.688	0.738	0.797	0.713	0.754	0.883	0.698	1.919
5/15/04 7:20 AM	2.414	0.69	0.745	0.799	0.71	0.759	0.889	0.703	1.92
5/15/04 8:20 AM	2.419	0.695	0.751	0.801	0.714	0.761	0.889	0.705	1.929
5/15/04 9:20 AM	2.442	0.693	0.742	0.804	0.716	0.762	0.893	0.707	1.934
5/15/04 10:20 AM	2.405	0.695	0.747	0.799	0.717	0.767	0.89	0.704	1.94
5/15/04 11:20 AM	2.417	0.7	0.745	0.804	0.721	0.768	0.891	0.703	1.948
5/15/04 12:20 PM	2.394	0.69	0.751	0.8	0.718	0.768	0.89	0.704	1.943
5/15/04 1:20 PM	2.398	0.696	0.74	0.8	0.715	0.765	0.888	0.704	1.939
5/15/04 2:20 PM	2.396	0.699	0.756	0.798	0.716	0.766	0.888	0.704	1.94
5/15/04 3:20 PM	2.432	0.686	0.744	0.808	0.716	0.765	0.887	0.704	1.927
5/15/04 4:20 PM	2.408	0.683	0.748	0.804	0.711	0.76	0.886	0.703	1.926
5/15/04 5:20 PM	2.434	0.694	0.742	0.801	0.716	0.764	0.884	0.701	1.93
5/15/04 6:20 PM	2.401	0.692	0.742	0.801	0.711	0.763	0.884	0.7	1.921
5/15/04 7:20 PM	2.432	0.686	0.744	0.799	0.709	0.758	0.882	0.701	1.916
5/15/04 8:20 PM	2.418	0.691	0.746	0.796	0.713	0.76	0.904	0.711	1.923
5/15/04 9:20 PM	2.365	0.687	0.746	0.804	0.706	0.759	0.88	0.698	1.913
5/15/04 10:20 PM	2.436	0.691	0.743	0.795	0.712	0.759	0.879	0.698	1.909
5/15/04 11:20 PM	2.431	0.692	0.738	0.793	0.709	0.758	0.877	0.696	1.912
5/16/04 12:20 AM	2.393	0.702	0.739	0.794	0.71	0.756	0.877	0.695	1.915
5/16/04 1:20 AM	2.415	0.693	0.73	0.8	0.715	0.763	0.878	0.698	1.919
5/16/04 2:20 AM	2.424	0.695	0.739	0.8	0.713	0.758	0.902	0.71	1.918
5/16/04 3:20 AM	2.42	0.694	0.742	0.796	0.713	0.762	0.906	0.713	1.913
5/16/04 4:20 AM	2.387	0.695	0.742	0.802	0.711	0.762	0.904	0.711	1.911
5/16/04 4:50 AM	2.407	0.687	0.74	0.799	0.714	0.762	0.909	0.715	1.921
5/16/04 5:50 AM	2.414	0.695	0.744	0.798	0.71	0.761	0.903	0.71	1.91
5/16/04 6:50 AM	2.411	0.694	0.748	0.798	0.713	0.758	0.912	0.715	1.912
5/16/04 7:50 AM	2.459	0.702	0.742	0.802	0.715	0.762	0.909	0.716	1.923
5/16/04 8:50 AM	2.422	0.692	0.747	0.804	0.713	0.765	0.908	0.715	1.917
5/16/04 9:50 AM	2.43	0.691	0.752	0.804	0.716	0.76	0.915	0.719	1.917

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
5/16/04 10:50 AM	2.452	0.685	0.736	0.815	0.722	0.757	0.905	0.718	1.954
5/16/04 11:50 AM	2.413	0.721	0.749	0.802	0.721	0.765	0.911	0.712	1.916
5/16/04 12:50 PM	2.429	0.688	0.74	0.804	0.721	0.765	0.91	0.718	1.936
5/16/04 1:50 PM	2.428	0.685	0.743	0.816	0.715	0.76	0.91	0.718	1.925
5/16/04 2:50 PM	2.479	0.694	0.749	0.806	0.719	0.762	0.897	0.711	1.916
5/16/04 3:50 PM	2.4	0.694	0.74	0.805	0.719	0.768	0.909	0.717	1.925
5/16/04 4:50 PM	2.444	0.701	0.749	0.802	0.709	0.757	0.903	0.714	1.913
5/16/04 5:50 PM	2.414	0.693	0.753	0.803	0.71	0.755	0.909	0.714	1.906
5/16/04 6:50 PM	2.415	0.691	0.741	0.799	0.71	0.755	0.907	0.714	1.917
5/16/04 7:50 PM	2.396	0.687	0.743	0.801	0.71	0.752	0.896	0.709	1.907
5/16/04 8:50 PM	2.382	0.689	0.742	0.799	0.703	0.743	0.897	0.708	1.899
5/16/04 9:50 PM	2.424	0.686	0.741	0.804	0.708	0.752	0.899	0.709	1.903
5/16/04 10:50 PM	2.389	0.691	0.742	0.8	0.709	0.753	0.9	0.709	1.902
5/16/04 11:50 PM	2.394	0.692	0.74	0.799	0.706	0.749	0.905	0.712	1.904
5/17/04 12:50 AM	2.391	0.69	0.744	0.798	0.698	0.743	0.901	0.712	1.903
5/17/04 1:50 AM	2.408	0.694	0.746	0.798	0.706	0.752	0.903	0.712	1.903
5/17/04 2:50 AM	2.417	0.692	0.746	0.799	0.703	0.747	0.893	0.706	1.901
5/17/04 3:50 AM	2.409	0.696	0.742	0.8	0.703	0.745	0.903	0.711	1.905
5/17/04 4:50 AM	2.448	0.696	0.755	0.803	0.7	0.745	0.901	0.712	1.897
5/17/04 5:50 AM	2.421	0.712	0.743	0.798	0.705	0.743	0.904	0.71	1.902
5/17/04 6:50 AM	2.394	0.695	0.757	0.798	0.701	0.743	0.892	0.705	1.904
5/17/04 7:50 AM	2.421	0.696	0.743	0.805	0.71	0.751	0.901	0.71	1.91
5/17/04 8:50 AM	2.427	0.698	0.75	0.803	0.706	0.751	0.899	0.711	1.906
5/17/04 9:50 AM	2.42	0.698	0.746	0.802	0.708	0.753	0.902	0.713	1.907
5/17/04 10:50 AM	2.419	0.71	0.75	0.801	0.71	0.75	0.904	0.712	1.91
5/17/04 11:50 AM	2.406	0.709	0.749	0.802	0.714	0.758	0.892	0.706	1.911
5/17/04 12:50 PM	2.418	0.697	0.752	0.804	0.713	0.761	0.906	0.715	1.909
5/17/04 1:50 PM	2.422	0.695	0.747	0.802	0.712	0.76	0.905	0.714	1.91
5/17/04 2:20 PM	2.395	0.698	0.757	0.801	0.712	0.759	0.909	0.716	1.908
5/17/04 3:20 PM	2.42	0.687	0.749	0.806	0.709	0.753	0.907	0.717	1.908
5/17/04 4:20 PM	2.431	0.707	0.754	0.805	0.713	0.757	0.905	0.716	1.913
5/17/04 5:20 PM	2.391	0.689	0.763	0.811	0.71	0.757	0.896	0.709	1.9
5/17/04 6:20 PM	2.417	0.698	0.75	0.809	0.709	0.756	0.888	0.707	1.901
5/17/04 7:20 PM	2.449	0.701	0.749	0.808	0.717	0.752	0.902	0.712	1.913
5/17/04 8:20 PM	2.421	0.678	0.758	0.804	0.71	0.752	0.901	0.715	1.898
5/17/04 9:20 PM	2.44	0.695	0.746	0.797	0.713	0.759	0.904	0.714	1.888
5/17/04 10:20 PM	2.375	0.69	0.747	0.798	0.709	0.753	0.899	0.712	1.887
5/17/04 11:20 PM	2.386	0.703	0.757	0.797	0.708	0.756	0.885	0.704	1.897
5/18/04 12:20 AM	2.413	0.691	0.744	0.799	0.711	0.755	0.878	0.701	1.89
5/18/04 1:20 AM	2.403	0.689	0.747	0.799	0.706	0.757	0.881	0.703	1.894
5/18/04 2:20 AM	2.41	0.696	0.733	0.803	0.715	0.757	0.879	0.702	1.903
5/18/04 3:20 AM	2.428	0.697	0.74	0.8	0.712	0.748	0.891	0.708	1.891

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
5/18/04 4:20 AM	2.42	0.696	0.756	0.801	0.708	0.755	0.88	0.701	1.885
5/18/04 5:20 AM	2.406	0.706	0.738	0.801	0.71	0.757	0.883	0.702	1.899
5/18/04 6:20 AM	2.441	0.695	0.74	0.805	0.716	0.754	0.881	0.703	1.897
5/18/04 7:20 AM	2.399	0.694	0.746	0.803	0.712	0.758	0.878	0.701	1.895
5/18/04 8:20 AM	2.421	0.703	0.751	0.801	0.72	0.761	0.881	0.702	1.896
5/18/04 9:20 AM	2.398	0.694	0.753	0.799	0.712	0.757	0.882	0.705	1.888
5/18/04 10:20 AM	2.391	0.7	0.746	0.805	0.713	0.758	0.882	0.704	1.9
5/18/04 11:20 AM	2.398	0.7	0.749	0.805	0.712	0.759	0.881	0.704	1.898
5/18/04 12:20 PM	2.416	0.703	0.747	0.801	0.716	0.764	0.88	0.704	1.9
5/18/04 1:20 PM	2.404	0.699	0.748	0.805	0.714	0.763	0.863	0.695	1.897
5/18/04 2:20 PM	2.413	0.695	0.755	0.81	0.717	0.76	0.879	0.704	1.896
5/18/04 3:20 PM	2.378	0.7	0.76	0.804	0.717	0.761	0.882	0.704	1.895
5/18/04 4:20 PM	2.432	0.702	0.748	0.803	0.718	0.762	0.881	0.706	1.904
5/18/04 5:20 PM	2.42	0.697	0.749	0.804	0.714	0.761	0.884	0.708	1.893
5/18/04 6:20 PM	2.389	0.689	0.738	0.81	0.714	0.758	0.878	0.704	1.906
5/18/04 7:20 PM	2.387	0.703	0.75	0.8	0.709	0.761	0.873	0.699	1.89
5/18/04 8:20 PM	2.385	0.695	0.753	0.8	0.713	0.761	0.878	0.702	1.886
5/18/04 9:20 PM	2.388	0.693	0.746	0.799	0.714	0.758	0.875	0.7	1.885
5/18/04 10:20 PM	2.397	0.69	0.748	0.8	0.71	0.757	0.874	0.7	1.888
5/18/04 11:20 PM	2.397	0.692	0.741	0.803	0.714	0.759	0.877	0.702	1.884
5/18/04 11:50 PM	2.42	0.691	0.749	0.799	0.715	0.756	0.875	0.7	1.881
5/19/04 12:50 AM	2.405	0.69	0.743	0.802	0.714	0.76	0.879	0.704	1.893
5/19/04 1:50 AM	2.412	0.693	0.742	0.801	0.712	0.758	0.875	0.701	1.88
5/19/04 2:50 AM	2.385	0.691	0.745	0.806	0.714	0.76	0.875	0.701	1.881
5/19/04 3:50 AM	2.419	0.688	0.748	0.8	0.71	0.758	0.876	0.701	1.871
5/19/04 4:50 AM	2.378	0.695	0.752	0.806	0.713	0.759	0.876	0.701	1.877
5/19/04 5:50 AM	2.413	0.697	0.743	0.8	0.713	0.755	0.876	0.702	1.887
5/19/04 6:50 AM	2.422	0.691	0.745	0.805	0.715	0.758	0.876	0.702	1.885
5/19/04 7:50 AM	2.422	0.7	0.754	0.806	0.718	0.761	0.882	0.708	1.891
5/19/04 8:50 AM	2.392	0.697	0.75	0.805	0.711	0.755	0.879	0.704	1.889
5/19/04 9:50 AM	2.427	0.701	0.746	0.804	0.719	0.762	0.879	0.705	1.892
5/19/04 10:50 AM	2.399	0.699	0.75	0.806	0.715	0.761	0.886	0.71	1.888
5/19/04 11:50 AM	2.412	0.701	0.759	0.802	0.718	0.76	0.88	0.705	1.89
5/19/04 12:50 PM	2.395	0.699	0.75	0.806	0.713	0.76	0.904	0.717	1.887
5/19/04 1:50 PM	2.395	0.704	0.757	0.805	0.718	0.763	0.905	0.717	1.884
5/19/04 2:50 PM	2.455	0.692	0.751	0.804	0.716	0.756	0.905	0.718	1.88
5/19/04 3:50 PM	2.425	0.69	0.736	0.808	0.713	0.749	0.895	0.717	1.902
5/19/04 4:50 PM	2.437	0.697	0.748	0.807	0.71	0.751	0.902	0.716	1.883
5/19/04 5:50 PM	2.406	0.701	0.748	0.809	0.717	0.754	0.909	0.72	1.899
5/19/04 6:50 PM	2.405	0.712	0.754	0.799	0.718	0.755	0.905	0.716	1.873
5/19/04 7:50 PM	2.461	0.698	0.735	0.806	0.717	0.756	0.902	0.716	1.886
5/19/04 8:50 PM	2.409	0.701	0.748	0.8	0.716	0.757	0.9	0.713	1.873

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
5/19/04 9:50 PM	2.399	0.696	0.737	0.802	0.718	0.755	0.899	0.714	1.889
5/19/04 10:50 PM	2.399	0.693	0.75	0.802	0.718	0.758	0.899	0.714	1.885
5/19/04 11:50 PM	2.41	0.692	0.748	0.803	0.715	0.758	0.901	0.715	1.874
5/20/04 12:50 AM	2.388	0.697	0.75	0.801	0.713	0.759	0.903	0.714	1.871
5/20/04 1:50 AM	2.412	0.697	0.748	0.797	0.711	0.757	0.889	0.708	1.864
5/20/04 2:50 AM	2.388	0.691	0.745	0.804	0.713	0.755	0.891	0.709	1.869
5/20/04 3:40 AM	2.428	0.693	0.748	0.803	0.715	0.755	0.896	0.712	1.865
5/20/04 4:40 AM	2.421	0.698	0.747	0.804	0.717	0.756	0.877	0.702	1.875
5/20/04 5:40 AM	2.41	0.69	0.752	0.805	0.712	0.757	0.896	0.712	1.868
5/20/04 6:40 AM	2.421	0.693	0.747	0.81	0.721	0.758	0.9	0.712	1.87
5/20/04 7:40 AM	2.42	0.712	0.753	0.804	0.719	0.758	0.903	0.717	1.879
5/20/04 8:40 AM	2.487	0.691	0.76	0.806	0.722	0.759	0.905	0.723	1.874
5/20/04 9:40 AM	2.406	0.713	0.767	0.807	0.713	0.759	0.888	0.709	1.86
5/20/04 10:40 AM	2.406	0.712	0.748	0.815	0.72	0.761	0.887	0.708	1.879
5/20/04 11:40 AM	2.388	0.708	0.758	0.804	0.719	0.758	0.899	0.714	1.872
5/20/04 12:40 PM	2.43	0.682	0.749	0.811	0.715	0.758	0.891	0.713	1.897
5/20/04 1:40 PM	2.42	0.702	0.73	0.814	0.725	0.761	0.886	0.71	1.911
5/20/04 2:40 PM	2.435	0.718	0.751	0.814	0.725	0.76	0.884	0.708	1.884
5/20/04 3:40 PM	2.42	0.699	0.761	0.814	0.72	0.756	0.883	0.709	1.885
5/20/04 4:40 PM	2.388	0.696	0.753	0.802	0.715	0.759	0.881	0.706	1.889
5/20/04 5:40 PM	2.409	0.699	0.745	0.807	0.719	0.763	0.883	0.709	1.884
5/20/04 6:40 PM	2.396	0.687	0.748	0.805	0.715	0.759	0.878	0.704	1.863
5/20/04 7:40 PM	2.415	0.691	0.75	0.805	0.72	0.756	0.873	0.7	1.872
5/20/04 8:40 PM	2.384	0.696	0.746	0.801	0.711	0.756	0.875	0.702	1.86
5/20/04 9:40 PM	2.445	0.696	0.739	0.8	0.717	0.754	0.873	0.702	1.866
5/20/04 10:40 PM	2.385	0.698	0.754	0.803	0.712	0.758	0.876	0.702	1.857
5/20/04 11:40 PM	2.396	0.698	0.744	0.799	0.718	0.763	0.876	0.703	1.859
5/21/04 12:40 AM	2.412	0.696	0.742	0.802	0.72	0.762	0.874	0.703	1.864
5/21/04 1:40 AM	2.41	0.702	0.74	0.798	0.722	0.764	0.873	0.701	1.866
5/21/04 2:40 AM	2.399	0.696	0.752	0.805	0.722	0.763	0.877	0.702	1.853
5/21/04 3:40 AM	2.407	0.693	0.75	0.802	0.721	0.764	0.873	0.701	1.863
5/21/04 4:40 AM	2.423	0.698	0.75	0.806	0.725	0.762	0.875	0.703	1.859
5/21/04 5:40 AM	2.407	0.688	0.747	0.804	0.72	0.763	0.874	0.703	1.855
5/21/04 6:40 AM	2.393	0.705	0.747	0.804	0.722	0.764	0.874	0.701	1.874
5/21/04 7:40 AM	2.411	0.685	0.763	0.809	0.721	0.764	0.875	0.705	1.865
5/21/04 8:40 AM	2.417	0.691	0.754	0.809	0.72	0.767	0.878	0.705	1.863
5/21/04 9:40 AM	2.45	0.703	0.741	0.809	0.73	0.766	0.875	0.706	1.882
5/21/04 10:40 AM	2.423	0.703	0.749	0.806	0.727	0.766	0.877	0.704	1.87
5/21/04 11:40 AM	2.447	0.696	0.753	0.816	0.717	0.753	0.879	0.706	1.869
5/21/04 12:40 PM	2.429	0.709	0.746	0.808	0.729	0.766	0.877	0.706	1.876
5/21/04 1:10 PM	2.462	0.691	0.743	0.818	0.727	0.766	0.879	0.705	1.867
5/21/04 2:10 PM	2.404	0.704	0.768	0.81	0.73	0.768	0.878	0.706	1.887

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
5/21/04 3:10 PM	2.404	0.699	0.748	0.811	0.72	0.767	0.878	0.709	1.868
5/21/04 4:10 PM	2.432	0.703	0.756	0.801	0.722	0.766	0.876	0.702	1.861
5/21/04 5:10 PM	2.433	0.702	0.751	0.801	0.725	0.762	0.875	0.703	1.875
5/21/04 6:10 PM	2.408	0.696	0.757	0.807	0.722	0.765	0.875	0.702	1.868
5/21/04 7:10 PM	2.403	0.706	0.742	0.811	0.727	0.763	0.874	0.702	1.856
5/21/04 8:10 PM	2.426	0.695	0.75	0.803	0.722	0.762	0.873	0.7	1.854
5/21/04 9:10 PM	2.376	0.695	0.752	0.808	0.714	0.758	0.873	0.703	1.844
5/21/04 10:10 PM	2.398	0.701	0.748	0.802	0.719	0.756	0.873	0.703	1.86
5/21/04 11:10 PM	2.426	0.693	0.745	0.802	0.71	0.741	0.871	0.7	1.851
5/22/04 12:10 AM	2.406	0.694	0.747	0.8	0.702	0.734	0.87	0.699	1.852
5/22/04 1:10 AM	2.388	0.697	0.745	0.801	0.703	0.735	0.871	0.699	1.845
5/22/04 2:10 AM	2.396	0.697	0.747	0.802	0.705	0.735	0.87	0.699	1.847
5/22/04 3:10 AM	2.401	0.693	0.747	0.803	0.702	0.734	0.871	0.701	1.845
5/22/04 4:10 AM	2.392	0.694	0.744	0.798	0.701	0.733	0.868	0.699	1.846
5/22/04 5:10 AM	2.405	0.701	0.742	0.801	0.7	0.732	0.869	0.699	1.851
5/22/04 6:10 AM	2.396	0.7	0.745	0.804	0.7	0.734	0.871	0.702	1.848
5/22/04 7:10 AM	2.4	0.706	0.751	0.809	0.705	0.735	0.873	0.704	1.865
5/22/04 8:10 AM	2.42	0.697	0.755	0.807	0.707	0.738	0.875	0.705	1.864
5/22/04 9:10 AM	2.403	0.714	0.754	0.807	0.71	0.739	0.877	0.706	1.859
5/22/04 10:10 AM	2.445	0.7	0.752	0.806	0.705	0.74	0.879	0.708	1.856
5/22/04 11:10 AM	2.416	0.714	0.753	0.809	0.711	0.739	0.876	0.707	1.868
5/22/04 12:10 PM	2.36	0.71	0.771	0.805	0.703	0.739	0.879	0.706	1.862
5/22/04 1:10 PM	2.401	0.702	0.747	0.808	0.709	0.735	0.877	0.71	1.867
5/22/04 2:10 PM	2.475	0.701	0.757	0.81	0.706	0.739	0.877	0.706	1.861
5/22/04 3:10 PM	2.454	0.706	0.752	0.8	0.71	0.74	0.876	0.704	1.856
5/22/04 4:10 PM	2.416	0.708	0.749	0.813	0.705	0.739	0.878	0.708	1.869
5/22/04 5:10 PM	2.394	0.713	0.761	0.812	0.704	0.731	0.876	0.708	1.861
5/22/04 6:10 PM	2.427	0.696	0.747	0.807	0.701	0.725	0.876	0.707	1.855
5/22/04 7:10 PM	2.394	0.694	0.747	0.804	0.707	0.737	0.874	0.706	1.865
5/22/04 8:10 PM	2.457	0.686	0.741	0.811	0.712	0.732	0.871	0.704	1.855
5/22/04 9:10 PM	2.405	0.701	0.752	0.806	0.702	0.738	0.873	0.706	1.856
5/22/04 10:10 PM	2.415	0.689	0.755	0.812	0.705	0.739	0.879	0.709	1.858
5/22/04 10:40 PM	2.39	0.705	0.754	0.799	0.704	0.745	0.87	0.703	1.857
5/22/04 11:40 PM	2.34	0.698	0.75	0.807	0.703	0.736	0.873	0.703	1.838
5/23/04 12:40 AM	2.373	0.706	0.752	0.8	0.705	0.737	0.871	0.699	1.844
5/23/04 1:40 AM	2.397	0.687	0.757	0.798	0.705	0.737	0.87	0.701	1.845
5/23/04 2:40 AM	2.381	0.706	0.762	0.802	0.709	0.736	0.871	0.702	1.858
5/23/04 3:40 AM	2.398	0.699	0.755	0.8	0.704	0.739	0.87	0.7	1.837
5/23/04 4:40 AM	2.385	0.695	0.746	0.805	0.703	0.733	0.869	0.702	1.835
5/23/04 5:40 AM	2.384	0.702	0.759	0.803	0.7	0.733	0.87	0.703	1.846
5/23/04 6:40 AM	2.372	0.695	0.759	0.803	0.694	0.735	0.874	0.703	1.83
5/23/04 7:40 AM	2.41	0.699	0.756	0.807	0.703	0.736	0.875	0.705	1.841

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
5/23/04 8:40 AM	2.383	0.707	0.768	0.805	0.7	0.738	0.875	0.705	1.86
5/23/04 9:40 AM	2.409	0.7	0.744	0.821	0.71	0.736	0.876	0.706	1.853
5/23/04 10:40 AM	2.396	0.711	0.761	0.813	0.706	0.736	0.882	0.716	1.846
5/23/04 11:40 AM	2.38	0.708	0.759	0.817	0.707	0.738	0.879	0.706	1.843
5/23/04 12:40 PM	2.401	0.692	0.744	0.81	0.71	0.738	0.88	0.715	1.868
5/23/04 1:40 PM	2.422	0.695	0.743	0.807	0.705	0.738	0.878	0.709	1.863
5/23/04 2:40 PM	2.401	0.71	0.759	0.812	0.707	0.74	0.879	0.709	1.866
5/23/04 3:40 PM	2.415	0.7	0.759	0.802	0.711	0.736	0.877	0.707	1.847
5/23/04 4:40 PM	2.413	0.725	0.75	0.808	0.71	0.737	0.876	0.706	1.851
5/23/04 5:40 PM	2.399	0.698	0.747	0.808	0.707	0.735	0.881	0.709	1.851
5/23/04 6:40 PM	2.381	0.705	0.755	0.818	0.702	0.733	0.875	0.707	1.841
5/23/04 7:40 PM	2.372	0.696	0.75	0.812	0.702	0.733	0.873	0.706	1.849
5/23/04 8:40 PM	2.381	0.696	0.745	0.808	0.7	0.728	0.87	0.704	1.845
5/23/04 9:40 PM	2.369	0.693	0.746	0.805	0.699	0.73	0.872	0.705	1.834
5/23/04 10:40 PM	2.375	0.692	0.751	0.804	0.699	0.73	0.87	0.704	1.834
5/23/04 11:40 PM	2.382	0.695	0.745	0.804	0.699	0.729	0.872	0.706	1.835
5/24/04 12:40 AM	2.373	0.696	0.749	0.805	0.699	0.73	0.872	0.705	1.833
5/24/04 1:40 AM	2.385	0.695	0.743	0.805	0.699	0.729	0.87	0.703	1.835
5/24/04 2:40 AM	2.371	0.69	0.746	0.805	0.697	0.727	0.868	0.704	1.831
5/24/04 3:40 AM	2.371	0.699	0.739	0.807	0.696	0.724	0.87	0.703	1.838
5/24/04 4:40 AM	2.364	0.696	0.746	0.802	0.698	0.732	0.87	0.704	1.832
5/24/04 5:40 AM	2.381	0.692	0.751	0.805	0.699	0.728	0.871	0.705	1.825
5/24/04 6:40 AM	2.377	0.697	0.754	0.808	0.701	0.731	0.873	0.707	1.821
5/24/04 7:40 AM	2.384	0.693	0.753	0.81	0.702	0.731	0.872	0.706	1.831
5/24/04 8:10 AM	2.404	0.691	0.753	0.815	0.699	0.732	0.871	0.707	1.837
5/24/04 9:10 AM	2.393	0.7	0.746	0.808	0.705	0.733	0.874	0.707	1.843
5/24/04 10:10 AM	2.388	0.697	0.753	0.811	0.702	0.734	0.875	0.709	1.837
5/24/04 11:10 AM	2.388	0.7	0.754	0.808	0.705	0.733	0.874	0.708	1.847
5/24/04 12:10 PM	2.389	0.692	0.753	0.812	0.704	0.738	0.875	0.708	1.836
5/24/04 1:10 PM	2.397	0.713	0.749	0.801	0.715	0.735	0.873	0.703	1.838
5/24/04 2:10 PM	2.357	0.7	0.758	0.82	0.7	0.733	0.877	0.715	1.841
5/24/04 3:10 PM	2.395	0.703	0.751	0.812	0.703	0.733	0.874	0.708	1.843
5/24/04 4:10 PM	2.368	0.701	0.749	0.808	0.704	0.736	0.874	0.707	1.844
5/24/04 5:10 PM	2.382	0.718	0.767	0.809	0.71	0.732	0.874	0.709	1.842
5/24/04 6:10 PM	2.404	0.69	0.75	0.81	0.7	0.73	0.897	0.721	1.844
5/24/04 7:10 PM	2.365	0.701	0.75	0.807	0.7	0.73	0.89	0.714	1.833
5/24/04 8:10 PM	2.369	0.707	0.75	0.805	0.7	0.728	0.899	0.719	1.827
5/24/04 9:10 PM	2.362	0.702	0.748	0.804	0.703	0.727	0.893	0.716	1.835
5/24/04 10:10 PM	2.377	0.698	0.758	0.804	0.696	0.728	0.903	0.72	1.824
5/24/04 11:10 PM	2.386	0.69	0.746	0.809	0.698	0.726	0.897	0.718	1.831
5/25/04 12:10 AM	2.379	0.695	0.737	0.806	0.7	0.726	0.891	0.716	1.834
5/25/04 1:10 AM	2.387	0.701	0.743	0.806	0.701	0.725	0.892	0.717	1.833

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
5/25/04 2:10 AM	2.355	0.692	0.753	0.809	0.695	0.723	0.875	0.705	1.821
5/25/04 3:10 AM	2.375	0.694	0.746	0.804	0.69	0.709	0.871	0.704	1.832
5/25/04 4:10 AM	2.371	0.693	0.744	0.808	0.69	0.717	0.892	0.714	1.82
5/25/04 5:10 AM	2.352	0.699	0.753	0.802	0.685	0.707	0.87	0.704	1.817
5/25/04 6:10 AM	2.389	0.705	0.755	0.809	0.701	0.728	0.875	0.708	1.844
5/25/04 7:10 AM	2.361	0.702	0.749	0.807	0.703	0.732	0.873	0.706	1.833
5/25/04 8:10 AM	2.4	0.7	0.756	0.81	0.701	0.731	0.887	0.718	1.836
5/25/04 9:10 AM	2.373	0.703	0.748	0.813	0.701	0.732	0.904	0.725	1.843
5/25/04 10:10 AM	2.363	0.697	0.755	0.811	0.7	0.731	0.903	0.723	1.835
5/25/04 11:10 AM	2.36	0.697	0.748	0.814	0.7	0.731	0.89	0.718	1.839
5/25/04 12:10 PM	2.382	0.7	0.751	0.812	0.704	0.731	0.876	0.711	1.848
5/25/04 1:10 PM	2.387	0.697	0.746	0.813	0.703	0.732	0.875	0.711	1.844
5/25/04 2:10 PM	2.387	0.703	0.75	0.812	0.703	0.728	0.877	0.713	1.847
5/25/04 3:10 PM	2.367	0.695	0.75	0.815	0.693	0.717	0.874	0.711	1.837
5/25/04 4:10 PM	2.386	0.707	0.749	0.803	0.706	0.73	0.875	0.709	1.841
5/25/04 5:10 PM	2.403	0.698	0.757	0.813	0.712	0.729	0.885	0.715	1.842
5/25/04 5:40 PM	2.407	0.699	0.753	0.81	0.703	0.73	0.887	0.715	1.831
5/25/04 6:40 PM	2.362	0.701	0.754	0.812	0.698	0.728	0.876	0.709	1.822
5/25/04 7:40 PM	2.364	0.705	0.745	0.807	0.694	0.716	0.873	0.708	1.835
5/25/04 8:40 PM	2.385	0.699	0.746	0.81	0.709	0.734	0.871	0.708	1.829
5/25/04 9:40 PM	2.348	0.695	0.754	0.811	0.7	0.731	0.869	0.705	1.818
5/25/04 10:40 PM	2.358	0.697	0.744	0.807	0.707	0.735	0.868	0.705	1.829
5/25/04 11:40 PM	2.362	0.69	0.747	0.805	0.703	0.737	0.869	0.708	1.81
5/26/04 12:40 AM	2.348	0.69	0.746	0.805	0.699	0.737	0.869	0.708	1.815
5/26/04 1:40 AM	2.356	0.688	0.75	0.803	0.7	0.734	0.868	0.706	1.804
5/26/04 2:40 AM	2.376	0.694	0.746	0.803	0.703	0.735	0.866	0.704	1.81
5/26/04 3:40 AM	2.36	0.701	0.74	0.807	0.704	0.738	0.868	0.706	1.822
5/26/04 4:40 AM	2.353	0.694	0.749	0.8	0.71	0.74	0.866	0.704	1.811
5/26/04 5:40 AM	2.363	0.703	0.748	0.809	0.709	0.742	0.871	0.709	1.816
5/26/04 6:40 AM	2.356	0.705	0.751	0.809	0.707	0.743	0.873	0.709	1.831
5/26/04 7:40 AM	2.366	0.705	0.742	0.808	0.708	0.741	0.872	0.708	1.83
5/26/04 8:40 AM	2.38	0.703	0.751	0.811	0.71	0.741	0.873	0.711	1.828
5/26/04 9:40 AM	2.352	0.702	0.772	0.811	0.707	0.737	0.875	0.712	1.827
5/26/04 10:40 AM	2.382	0.701	0.75	0.811	0.712	0.743	0.873	0.71	1.831
5/26/04 11:40 AM	2.353	0.719	0.751	0.81	0.713	0.743	0.872	0.709	1.832
5/26/04 12:40 PM	2.35	0.699	0.753	0.813	0.708	0.742	0.874	0.711	1.825
5/26/04 1:40 PM	2.415	0.696	0.758	0.813	0.71	0.728	0.875	0.712	1.838
5/26/04 2:40 PM	2.382	0.704	0.751	0.805	0.717	0.746	0.872	0.71	1.829
5/26/04 3:40 PM	2.377	0.696	0.754	0.814	0.713	0.743	0.875	0.714	1.831
5/26/04 4:40 PM	2.358	0.693	0.753	0.817	0.704	0.743	0.872	0.712	1.821
5/26/04 5:40 PM	2.409	0.708	0.747	0.809	0.712	0.742	0.87	0.709	1.833
5/26/04 6:40 PM	2.377	0.706	0.749	0.808	0.716	0.743	0.869	0.707	1.825

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
5/26/04 7:40 PM	2.371	0.701	0.749	0.814	0.71	0.741	0.868	0.707	1.818
5/26/04 8:40 PM	2.37	0.703	0.748	0.815	0.706	0.738	0.874	0.714	1.814
5/26/04 9:40 PM	2.374	0.693	0.746	0.805	0.711	0.742	0.867	0.708	1.814
5/26/04 10:40 PM	2.37	0.696	0.74	0.808	0.709	0.739	0.871	0.712	1.823
5/26/04 11:40 PM	2.349	0.696	0.755	0.808	0.705	0.738	0.867	0.706	1.802
5/27/04 12:40 AM	2.358	0.702	0.748	0.804	0.709	0.74	0.867	0.705	1.815
5/27/04 1:40 AM	2.354	0.698	0.753	0.808	0.708	0.738	0.867	0.706	1.808
5/27/04 2:40 AM	2.36	0.705	0.75	0.803	0.711	0.743	0.866	0.706	1.807
5/27/04 3:10 AM	2.357	0.695	0.751	0.807	0.709	0.743	0.866	0.706	1.809
5/27/04 4:10 AM	2.364	0.693	0.747	0.803	0.707	0.742	0.866	0.706	1.805
5/27/04 5:10 AM	2.381	0.695	0.748	0.804	0.706	0.739	0.865	0.708	1.807
5/27/04 6:10 AM	2.373	0.701	0.756	0.813	0.706	0.74	0.867	0.708	1.811
5/27/04 7:10 AM	2.368	0.703	0.765	0.809	0.711	0.742	0.872	0.713	1.812
5/27/04 8:10 AM	2.401	0.703	0.771	0.811	0.711	0.747	0.871	0.712	1.819
5/27/04 9:10 AM	2.384	0.696	0.764	0.812	0.712	0.741	0.872	0.713	1.821
5/27/04 10:10 AM	2.39	0.701	0.747	0.809	0.713	0.742	0.89	0.721	1.826
5/27/04 11:10 AM	2.386	0.698	0.75	0.813	0.711	0.743	0.873	0.713	1.824
5/27/04 12:10 PM	2.357	0.697	0.754	0.813	0.712	0.74	0.876	0.715	1.824
5/27/04 1:10 PM	2.369	0.694	0.754	0.81	0.71	0.742	0.871	0.712	1.816
5/27/04 2:10 PM	2.347	0.696	0.763	0.81	0.711	0.742	0.872	0.712	1.816
5/27/04 3:10 PM	2.38	0.701	0.753	0.808	0.713	0.743	0.872	0.713	1.821
5/27/04 4:10 PM	2.394	0.697	0.753	0.811	0.718	0.744	0.872	0.715	1.825
5/27/04 5:10 PM	2.428	0.699	0.753	0.811	0.714	0.742	0.87	0.711	1.823
5/27/04 6:10 PM	2.383	0.705	0.752	0.813	0.696	0.718	0.872	0.714	1.822
5/27/04 7:10 PM	2.354	0.696	0.752	0.81	0.699	0.723	0.868	0.711	1.812
5/27/04 8:10 PM	2.35	0.706	0.761	0.802	0.693	0.721	0.867	0.708	1.795
5/27/04 9:10 PM	2.373	0.702	0.74	0.804	0.702	0.721	0.867	0.71	1.815
5/27/04 10:10 PM	2.341	0.706	0.744	0.809	0.7	0.717	0.866	0.708	1.813
5/27/04 11:10 PM	2.347	0.691	0.754	0.81	0.694	0.718	0.866	0.707	1.79
5/28/04 12:10 AM	2.329	0.687	0.747	0.807	0.691	0.723	0.867	0.71	1.799
5/28/04 1:10 AM	2.356	0.705	0.751	0.802	0.702	0.724	0.864	0.705	1.81
5/28/04 2:10 AM	2.365	0.694	0.744	0.805	0.693	0.721	0.865	0.707	1.804
5/28/04 3:10 AM	2.386	0.693	0.749	0.805	0.703	0.722	0.883	0.716	1.8
5/28/04 4:10 AM	2.346	0.7	0.751	0.804	0.697	0.723	0.865	0.706	1.805
5/28/04 5:10 AM	2.331	0.699	0.748	0.813	0.7	0.724	0.866	0.709	1.804
5/28/04 6:10 AM	2.381	0.694	0.747	0.807	0.705	0.727	0.867	0.71	1.806
5/28/04 7:10 AM	2.38	0.701	0.758	0.814	0.701	0.727	0.868	0.71	1.807
5/28/04 8:10 AM	2.362	0.7	0.753	0.811	0.707	0.74	0.87	0.711	1.81
5/28/04 9:10 AM	2.39	0.7	0.752	0.813	0.711	0.743	0.87	0.711	1.812
5/28/04 10:10 AM	2.369	0.702	0.749	0.811	0.71	0.74	0.87	0.712	1.816
5/28/04 11:10 AM	2.375	0.694	0.753	0.817	0.71	0.741	0.872	0.716	1.818
5/28/04 12:10 PM	2.367	0.715	0.752	0.809	0.711	0.735	0.874	0.715	1.818

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
5/28/04 12:40 PM	2.383	0.695	0.749	0.813	0.702	0.725	0.873	0.716	1.814
5/28/04 1:40 PM	2.368	0.702	0.753	0.808	0.703	0.724	0.87	0.711	1.817
5/28/04 2:40 PM	2.385	0.708	0.744	0.815	0.713	0.732	0.874	0.717	1.829
5/28/04 3:40 PM	2.381	0.694	0.747	0.811	0.712	0.741	0.871	0.715	1.809
5/28/04 4:40 PM	2.373	0.698	0.759	0.813	0.703	0.729	0.872	0.715	1.803
5/28/04 5:40 PM	2.376	0.702	0.751	0.811	0.707	0.733	0.87	0.712	1.809
5/28/04 6:40 PM	2.336	0.695	0.752	0.814	0.705	0.736	0.869	0.714	1.803
5/28/04 7:40 PM	2.357	0.701	0.758	0.804	0.702	0.731	0.867	0.709	1.813
5/28/04 8:40 PM	2.364	0.702	0.745	0.804	0.707	0.733	0.866	0.708	1.808
5/28/04 9:40 PM	2.335	0.694	0.752	0.813	0.706	0.734	0.872	0.715	1.807
5/28/04 10:40 PM	2.375	0.695	0.75	0.809	0.715	0.738	0.866	0.708	1.811
5/28/04 11:40 PM	2.346	0.7	0.748	0.807	0.701	0.726	0.866	0.708	1.799
5/29/04 12:40 AM	2.365	0.697	0.744	0.805	0.706	0.731	0.871	0.711	1.798
5/29/04 1:40 AM	2.378	0.696	0.746	0.811	0.705	0.731	0.87	0.712	1.794
5/29/04 2:40 AM	2.341	0.701	0.747	0.806	0.705	0.734	0.867	0.711	1.801
5/29/04 3:40 AM	2.352	0.697	0.749	0.812	0.699	0.731	0.868	0.71	1.799
5/29/04 4:40 AM	2.356	0.692	0.746	0.813	0.706	0.732	0.866	0.709	1.797
5/29/04 5:40 AM	2.365	0.697	0.746	0.813	0.708	0.731	0.866	0.71	1.811
5/29/04 6:40 AM	2.376	0.704	0.754	0.809	0.708	0.738	0.869	0.714	1.813
5/29/04 7:40 AM	2.373	0.712	0.751	0.814	0.716	0.741	0.868	0.713	1.824
5/29/04 8:40 AM	2.39	0.704	0.755	0.812	0.711	0.736	0.869	0.712	1.813
5/29/04 9:40 AM	2.37	0.7	0.751	0.814	0.712	0.737	0.881	0.719	1.813
5/29/04 10:40 AM	2.369	0.699	0.752	0.813	0.711	0.737	0.868	0.713	1.814
5/29/04 11:40 AM	2.352	0.694	0.753	0.815	0.712	0.741	0.876	0.722	1.811
5/29/04 12:40 PM	2.368	0.702	0.748	0.812	0.71	0.735	0.87	0.714	1.816
5/29/04 1:40 PM	2.382	0.698	0.752	0.814	0.705	0.727	0.872	0.718	1.811
5/29/04 2:40 PM	2.366	0.696	0.753	0.813	0.707	0.734	0.871	0.716	1.804
5/29/04 3:40 PM	2.361	0.702	0.75	0.809	0.709	0.736	0.874	0.715	1.812
5/29/04 4:40 PM	2.377	0.701	0.75	0.812	0.706	0.735	0.87	0.715	1.807
5/29/04 5:40 PM	2.39	0.699	0.746	0.813	0.71	0.737	0.864	0.712	1.807
5/29/04 6:40 PM	2.33	0.7	0.75	0.811	0.705	0.732	0.868	0.712	1.803
5/29/04 7:40 PM	2.345	0.698	0.75	0.811	0.704	0.73	0.866	0.712	1.798
5/29/04 8:40 PM	2.353	0.7	0.746	0.804	0.706	0.732	0.863	0.708	1.799
5/29/04 9:40 PM	2.348	0.699	0.748	0.806	0.704	0.729	0.863	0.709	1.798
5/29/04 10:10 PM	2.365	0.694	0.746	0.808	0.703	0.729	0.862	0.709	1.793
5/29/04 11:10 PM	2.336	0.693	0.751	0.806	0.702	0.728	0.863	0.709	1.788
5/30/04 12:10 AM	2.362	0.69	0.746	0.808	0.703	0.728	0.861	0.709	1.79
5/30/04 1:10 AM	2.343	0.696	0.746	0.805	0.704	0.734	0.864	0.711	1.789
5/30/04 2:10 AM	2.338	0.695	0.747	0.808	0.701	0.727	0.862	0.708	1.788
5/30/04 3:10 AM	2.358	0.697	0.746	0.807	0.703	0.729	0.863	0.711	1.792
5/30/04 4:10 AM	2.352	0.696	0.746	0.809	0.706	0.734	0.862	0.71	1.791
5/30/04 5:10 AM	2.344	0.703	0.744	0.805	0.708	0.732	0.863	0.709	1.793

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
5/30/04 6:10 AM	2.375	0.706	0.752	0.811	0.706	0.733	0.864	0.71	1.798
5/30/04 7:10 AM	2.363	0.702	0.752	0.812	0.709	0.736	0.87	0.719	1.802
5/30/04 8:10 AM	2.362	0.702	0.747	0.81	0.714	0.739	0.87	0.716	1.804
5/30/04 9:10 AM	2.375	0.693	0.751	0.815	0.71	0.737	0.868	0.715	1.8
5/30/04 10:10 AM	2.372	0.702	0.75	0.812	0.712	0.741	0.869	0.717	1.805
5/30/04 11:10 AM	2.376	0.695	0.749	0.815	0.711	0.737	0.868	0.715	1.802
5/30/04 12:10 PM	2.348	0.699	0.754	0.811	0.71	0.739	0.868	0.714	1.8
5/30/04 1:10 PM	2.357	0.696	0.758	0.813	0.711	0.741	0.869	0.715	1.798
5/30/04 2:10 PM	2.359	0.696	0.754	0.811	0.71	0.739	0.868	0.715	1.799
5/30/04 3:10 PM	2.354	0.697	0.748	0.812	0.712	0.741	0.868	0.715	1.8
5/30/04 4:10 PM	2.346	0.695	0.75	0.813	0.71	0.74	0.868	0.714	1.806
5/30/04 5:10 PM	2.372	0.699	0.745	0.813	0.712	0.741	0.899	0.731	1.804
5/30/04 6:10 PM	2.364	0.695	0.749	0.813	0.712	0.736	0.869	0.717	1.802
5/30/04 7:10 PM	2.364	0.694	0.745	0.809	0.71	0.735	0.864	0.713	1.794
5/30/04 8:10 PM	2.365	0.694	0.747	0.808	0.711	0.737	0.862	0.711	1.796
5/30/04 9:10 PM	2.326	0.686	0.744	0.808	0.708	0.732	0.862	0.711	1.786
5/30/04 10:10 PM	2.358	0.696	0.748	0.806	0.709	0.735	0.861	0.711	1.79
5/30/04 11:10 PM	2.329	0.691	0.746	0.807	0.708	0.734	0.861	0.711	1.788
5/31/04 12:10 AM	2.339	0.705	0.743	0.809	0.709	0.735	0.862	0.712	1.786
5/31/04 1:10 AM	2.351	0.701	0.747	0.809	0.708	0.732	0.861	0.71	1.788
5/31/04 2:10 AM	2.338	0.698	0.746	0.805	0.703	0.726	0.86	0.709	1.788
5/31/04 3:10 AM	2.352	0.697	0.742	0.806	0.706	0.726	0.859	0.709	1.785
5/31/04 4:10 AM	2.343	0.692	0.739	0.807	0.707	0.729	0.862	0.714	1.789
5/31/04 5:10 AM	2.329	0.698	0.749	0.807	0.7	0.725	0.862	0.709	1.778
5/31/04 6:10 AM	2.343	0.692	0.75	0.807	0.704	0.728	0.862	0.711	1.779
5/31/04 7:10 AM	2.339	0.697	0.748	0.813	0.705	0.73	0.87	0.72	1.796
5/31/04 7:40 AM	2.364	0.701	0.751	0.81	0.709	0.732	0.865	0.714	1.799
5/31/04 8:40 AM	2.353	0.703	0.755	0.811	0.708	0.733	0.867	0.715	1.799
5/31/04 9:40 AM	2.353	0.697	0.749	0.814	0.704	0.731	0.87	0.718	1.8
5/31/04 10:40 AM	2.386	0.702	0.746	0.811	0.71	0.733	0.866	0.715	1.801
5/31/04 11:40 AM	2.335	0.689	0.754	0.816	0.708	0.733	0.87	0.719	1.793
5/31/04 12:40 PM	2.359	0.696	0.745	0.815	0.711	0.732	0.868	0.717	1.8
5/31/04 1:40 PM	2.317	0.697	0.751	0.814	0.71	0.736	0.868	0.717	1.8
5/31/04 2:40 PM	2.349	0.693	0.748	0.813	0.707	0.733	0.868	0.719	1.794
5/31/04 3:40 PM	2.361	0.692	0.753	0.812	0.706	0.733	0.868	0.718	1.792
5/31/04 4:40 PM	2.351	0.699	0.755	0.811	0.704	0.734	0.867	0.716	1.79
5/31/04 5:40 PM	2.393	0.697	0.754	0.817	0.709	0.734	0.871	0.723	1.782
5/31/04 6:40 PM	2.341	0.691	0.752	0.813	0.708	0.732	0.866	0.715	1.787
5/31/04 7:40 PM	2.367	0.695	0.734	0.809	0.712	0.735	0.86	0.712	1.798
5/31/04 8:40 PM	2.306	0.678	0.762	0.808	0.706	0.733	0.87	0.716	1.77
5/31/04 9:40 PM	2.339	0.704	0.744	0.8	0.707	0.73	0.862	0.711	1.779
5/31/04 10:40 PM	2.326	0.692	0.747	0.802	0.704	0.728	0.86	0.711	1.789

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
5/31/04 11:40 PM	2.341	0.694	0.744	0.808	0.705	0.731	0.861	0.711	1.778
6/1/04 12:40 AM	2.322	0.695	0.746	0.808	0.702	0.726	0.862	0.711	1.779
6/1/04 1:40 AM	2.33	0.697	0.747	0.808	0.705	0.729	0.864	0.713	1.783
6/1/04 2:40 AM	2.326	0.688	0.746	0.808	0.702	0.726	0.864	0.714	1.778
6/1/04 3:40 AM	2.327	0.697	0.749	0.809	0.704	0.727	0.864	0.713	1.781
6/1/04 4:40 AM	2.304	0.696	0.746	0.812	0.701	0.728	0.862	0.712	1.782
6/1/04 5:40 AM	2.338	0.696	0.748	0.81	0.706	0.722	0.861	0.711	1.798
6/1/04 6:40 AM	2.358	0.7	0.742	0.812	0.701	0.721	0.862	0.713	1.79
6/1/04 7:40 AM	2.357	0.699	0.747	0.814	0.705	0.724	0.866	0.716	1.792
6/1/04 8:40 AM	2.351	0.695	0.753	0.814	0.707	0.727	0.869	0.718	1.788
6/1/04 9:40 AM	2.401	0.699	0.749	0.814	0.707	0.721	0.867	0.717	1.796
6/1/04 10:40 AM	2.356	0.698	0.746	0.815	0.701	0.718	0.867	0.716	1.776
6/1/04 11:30 AM	2.35	0.7	0.757	0.815	0.702	0.723	0.869	0.717	1.775
6/1/04 12:30 PM	2.33	0.697	0.747	0.814	0.7	0.723	0.867	0.716	1.786
6/1/04 1:30 PM	2.322	0.697	0.752	0.815	0.702	0.725	0.874	0.72	1.79
6/1/04 2:30 PM	2.335	0.699	0.753	0.814	0.7	0.723	0.869	0.718	1.789
6/1/04 3:30 PM	2.355	0.702	0.749	0.811	0.707	0.727	0.867	0.716	1.794
6/1/04 4:30 PM	2.362	0.69	0.744	0.821	0.701	0.72	0.868	0.717	1.792
6/1/04 5:30 PM	2.346	0.695	0.753	0.81	0.706	0.73	0.867	0.716	1.781
6/1/04 6:30 PM	2.313	0.709	0.759	0.818	0.703	0.726	0.866	0.717	1.776
6/1/04 7:30 PM	2.349	0.697	0.753	0.809	0.709	0.727	0.867	0.718	1.782
6/1/04 8:30 PM	2.317	0.689	0.743	0.816	0.703	0.727	0.863	0.714	1.792
6/1/04 9:30 PM	2.326	0.691	0.754	0.81	0.7	0.721	0.862	0.712	1.771
6/1/04 10:30 PM	2.305	0.69	0.748	0.817	0.7	0.721	0.866	0.719	1.773
6/1/04 11:30 PM	2.354	0.695	0.751	0.811	0.708	0.722	0.861	0.713	1.78
6/2/04 12:30 AM	2.325	0.69	0.743	0.81	0.697	0.721	0.86	0.713	1.778
6/2/04 1:30 AM	2.347	0.698	0.739	0.81	0.705	0.723	0.862	0.714	1.78
6/2/04 2:30 AM	2.317	0.7	0.739	0.807	0.702	0.726	0.86	0.71	1.776
6/2/04 3:30 AM	2.34	0.683	0.752	0.809	0.699	0.723	0.861	0.713	1.767
6/2/04 4:30 AM	2.337	0.692	0.751	0.807	0.7	0.723	0.861	0.714	1.767
6/2/04 5:30 AM	2.334	0.694	0.738	0.811	0.704	0.724	0.86	0.714	1.775
6/2/04 6:30 AM	2.345	0.695	0.752	0.813	0.704	0.727	0.863	0.715	1.771
6/2/04 7:30 AM	2.319	0.695	0.754	0.812	0.706	0.728	0.866	0.716	1.778
6/2/04 8:30 AM	2.361	0.698	0.746	0.814	0.708	0.73	0.841	0.709	1.787
6/2/04 9:30 AM	2.347	0.701	0.748	0.813	0.71	0.732	0.836	0.705	1.79
6/2/04 10:30 AM	2.29	0.701	0.752	0.816	0.707	0.726	0.859	0.715	1.784
6/2/04 11:30 AM	2.271	0.701	0.746	0.811	0.706	0.729	0.875	0.723	1.789
6/2/04 12:30 PM	2.378	0.696	0.747	0.823	0.705	0.722	0.859	0.714	1.775
6/2/04 1:30 PM	2.317	0.698	0.75	0.816	0.703	0.72	0.863	0.715	1.784
6/2/04 2:30 PM	2.314	0.693	0.753	0.816	0.703	0.721	0.865	0.719	1.782
6/2/04 3:30 PM	2.334	0.693	0.752	0.814	0.7	0.715	0.865	0.717	1.786
6/2/04 4:30 PM	2.309	0.702	0.75	0.818	0.699	0.719	0.884	0.726	1.781

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
6/2/04 5:30 PM	2.317	0.696	0.751	0.814	0.704	0.724	0.867	0.719	1.784
6/2/04 6:30 PM	2.313	0.691	0.749	0.811	0.703	0.725	0.863	0.716	1.776
6/2/04 7:30 PM	2.308	0.689	0.75	0.811	0.703	0.724	0.864	0.719	1.774
6/2/04 8:30 PM	2.29	0.692	0.749	0.809	0.705	0.724	0.861	0.715	1.772
6/2/04 9:00 PM	2.284	0.69	0.75	0.811	0.701	0.722	0.86	0.714	1.768
6/2/04 10:00 PM	2.289	0.696	0.743	0.808	0.703	0.721	0.859	0.712	1.776
6/2/04 11:00 PM	2.289	0.689	0.746	0.808	0.7	0.724	0.861	0.715	1.774
6/3/04 12:00 AM	2.272	0.69	0.749	0.806	0.701	0.722	0.858	0.713	1.771
6/3/04 1:00 AM	2.279	0.693	0.744	0.811	0.701	0.721	0.864	0.72	1.774
6/3/04 2:00 AM	2.278	0.683	0.744	0.809	0.699	0.721	0.865	0.721	1.766
6/3/04 3:00 AM	2.279	0.693	0.741	0.808	0.698	0.719	0.863	0.719	1.77
6/3/04 4:00 AM	2.286	0.689	0.742	0.807	0.697	0.716	0.86	0.717	1.769
6/3/04 5:00 AM	2.28	0.69	0.744	0.809	0.698	0.716	0.858	0.714	1.764
6/3/04 6:00 AM	2.289	0.693	0.746	0.809	0.701	0.714	0.859	0.714	1.776
6/3/04 7:00 AM	2.31	0.692	0.751	0.816	0.705	0.718	0.862	0.717	1.771
6/3/04 8:00 AM	2.288	0.699	0.754	0.815	0.704	0.721	0.864	0.72	1.777
6/3/04 9:00 AM	2.268	0.694	0.753	0.814	0.703	0.722	0.864	0.719	1.777
6/3/04 10:00 AM	2.303	0.699	0.747	0.813	0.703	0.722	0.864	0.719	1.786
6/3/04 11:00 AM	2.306	0.696	0.748	0.816	0.704	0.722	0.864	0.719	1.784
6/3/04 12:00 PM	2.282	0.693	0.749	0.815	0.702	0.724	0.867	0.723	1.781
6/3/04 1:00 PM	2.297	0.695	0.747	0.816	0.701	0.721	0.865	0.721	1.781
6/3/04 2:00 PM	2.29	0.696	0.75	0.814	0.703	0.723	0.864	0.719	1.778
6/3/04 3:00 PM	2.265	0.699	0.75	0.81	0.702	0.722	0.864	0.719	1.783
6/3/04 4:00 PM	2.289	0.693	0.746	0.817	0.702	0.718	0.865	0.721	1.779
6/3/04 5:00 PM	2.29	0.696	0.746	0.812	0.703	0.72	0.863	0.718	1.783
6/3/04 6:00 PM	2.286	0.693	0.744	0.815	0.703	0.719	0.862	0.719	1.782
6/3/04 7:00 PM	2.277	0.692	0.75	0.81	0.698	0.719	0.861	0.717	1.772
6/3/04 8:00 PM	2.276	0.694	0.746	0.816	0.701	0.716	0.86	0.718	1.768
6/3/04 9:00 PM	2.278	0.693	0.745	0.81	0.698	0.717	0.858	0.716	1.772
6/3/04 10:00 PM	2.255	0.693	0.753	0.806	0.699	0.714	0.858	0.713	1.762
6/3/04 11:00 PM	2.244	0.691	0.747	0.809	0.693	0.714	0.861	0.718	1.763
6/4/04 12:00 AM	2.253	0.693	0.742	0.809	0.697	0.714	0.856	0.713	1.769
6/4/04 1:00 AM	2.25	0.691	0.744	0.807	0.698	0.714	0.856	0.713	1.767
6/4/04 2:00 AM	2.251	0.692	0.744	0.807	0.696	0.715	0.856	0.713	1.762
6/4/04 3:00 AM	2.255	0.689	0.745	0.809	0.696	0.714	0.864	0.717	1.755
6/4/04 4:00 AM	2.249	0.689	0.738	0.808	0.698	0.714	0.856	0.714	1.77
6/4/04 5:00 AM	2.258	0.693	0.741	0.808	0.705	0.721	0.855	0.713	1.765
6/4/04 6:00 AM	2.258	0.694	0.745	0.808	0.702	0.723	0.859	0.716	1.768
6/4/04 6:30 AM	2.276	0.691	0.748	0.81	0.706	0.728	0.858	0.716	1.767
6/4/04 7:30 AM	2.262	0.694	0.752	0.812	0.7	0.718	0.861	0.719	1.776
6/4/04 8:30 AM	2.257	0.691	0.753	0.815	0.699	0.716	0.86	0.719	1.769
6/4/04 9:30 AM	2.265	0.7	0.752	0.814	0.7	0.718	0.837	0.708	1.78

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
6/4/04 10:30 AM	2.239	0.693	0.751	0.815	0.699	0.715	0.86	0.718	1.775
6/4/04 11:30 AM	2.25	0.695	0.743	0.815	0.699	0.714	0.86	0.719	1.778
6/4/04 12:30 PM	2.257	0.697	0.744	0.814	0.697	0.71	0.862	0.721	1.779
6/4/04 1:30 PM	2.251	0.698	0.747	0.814	0.699	0.714	0.863	0.722	1.778
6/4/04 2:30 PM	2.264	0.697	0.746	0.813	0.699	0.712	0.864	0.721	1.781
6/4/04 3:30 PM	2.229	0.694	0.749	0.816	0.695	0.714	0.864	0.721	1.774
6/4/04 4:30 PM	2.247	0.693	0.751	0.814	0.697	0.713	0.864	0.721	1.771
6/4/04 5:30 PM	2.269	0.692	0.752	0.814	0.697	0.709	0.863	0.72	1.776
6/4/04 6:30 PM	2.243	0.693	0.749	0.814	0.692	0.708	0.863	0.721	1.763
6/4/04 7:30 PM	2.251	0.696	0.746	0.812	0.696	0.71	0.859	0.716	1.773
6/4/04 8:30 PM	2.25	0.688	0.745	0.809	0.695	0.706	0.858	0.717	1.767
6/4/04 9:30 PM	2.234	0.693	0.744	0.81	0.692	0.707	0.856	0.715	1.764
6/4/04 10:30 PM	2.232	0.688	0.744	0.809	0.692	0.707	0.856	0.716	1.757
6/4/04 11:30 PM	2.231	0.687	0.745	0.811	0.689	0.705	0.857	0.717	1.758
6/5/04 12:30 AM	2.227	0.685	0.747	0.809	0.692	0.71	0.855	0.716	1.756
6/5/04 1:30 AM	2.235	0.69	0.743	0.807	0.692	0.706	0.855	0.714	1.764
6/5/04 2:30 AM	2.237	0.692	0.742	0.805	0.691	0.705	0.856	0.714	1.759
6/5/04 3:30 AM	2.244	0.689	0.744	0.808	0.691	0.705	0.856	0.715	1.759
6/5/04 4:30 AM	2.223	0.69	0.747	0.807	0.691	0.705	0.854	0.713	1.757
6/5/04 5:30 AM	2.234	0.692	0.742	0.811	0.69	0.705	0.855	0.715	1.759
6/5/04 6:30 AM	2.243	0.696	0.747	0.811	0.694	0.707	0.859	0.717	1.767
6/5/04 7:30 AM	2.255	0.698	0.74	0.814	0.698	0.716	0.861	0.72	1.772
6/5/04 8:30 AM	2.255	0.692	0.745	0.815	0.7	0.713	0.859	0.719	1.772
6/5/04 9:30 AM	2.26	0.697	0.745	0.816	0.699	0.716	0.862	0.72	1.774
6/5/04 10:30 AM	2.241	0.698	0.749	0.816	0.699	0.718	0.864	0.722	1.772
6/5/04 11:30 AM	2.248	0.696	0.751	0.813	0.703	0.719	0.863	0.721	1.775
6/5/04 12:30 PM	2.249	0.696	0.748	0.813	0.702	0.721	0.865	0.723	1.776
6/5/04 1:30 PM	2.243	0.698	0.747	0.816	0.702	0.719	0.863	0.721	1.774
6/5/04 2:30 PM	2.251	0.695	0.749	0.816	0.701	0.717	0.865	0.723	1.776
6/5/04 3:30 PM	2.239	0.691	0.75	0.814	0.701	0.719	0.864	0.721	1.765
6/5/04 4:00 PM	2.217	0.697	0.748	0.816	0.701	0.718	0.863	0.721	1.772
6/5/04 5:00 PM	2.221	0.7	0.752	0.819	0.698	0.716	0.862	0.72	1.78
6/5/04 6:00 PM	2.286	0.719	0.761	0.811	0.705	0.716	0.863	0.721	1.769
6/5/04 7:00 PM	2.233	0.691	0.754	0.821	0.696	0.709	0.862	0.72	1.761
6/5/04 8:00 PM	2.23	0.695	0.746	0.814	0.696	0.71	0.86	0.72	1.76
6/5/04 9:00 PM	2.227	0.688	0.746	0.814	0.696	0.708	0.86	0.721	1.759
6/5/04 10:00 PM	2.212	0.696	0.748	0.809	0.694	0.711	0.859	0.719	1.76
6/5/04 11:00 PM	2.206	0.688	0.741	0.813	0.692	0.708	0.856	0.716	1.755
6/6/04 12:00 AM	2.212	0.689	0.747	0.81	0.693	0.708	0.86	0.721	1.755
6/6/04 1:00 AM	2.203	0.695	0.743	0.809	0.692	0.706	0.856	0.715	1.759
6/6/04 2:00 AM	2.208	0.692	0.738	0.808	0.692	0.707	0.857	0.718	1.757
6/6/04 3:00 AM	2.204	0.691	0.748	0.809	0.695	0.711	0.857	0.716	1.76

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
6/6/04 4:00 AM	2.197	0.696	0.742	0.811	0.692	0.705	0.857	0.716	1.752
6/6/04 5:00 AM	2.198	0.69	0.745	0.808	0.693	0.708	0.867	0.721	1.751
6/6/04 6:00 AM	2.205	0.69	0.745	0.81	0.693	0.705	0.858	0.717	1.758
6/6/04 7:00 AM	2.186	0.695	0.75	0.814	0.695	0.709	0.862	0.72	1.76
6/6/04 8:00 AM	2.19	0.699	0.751	0.813	0.701	0.719	0.863	0.721	1.765
6/6/04 9:00 AM	2.218	0.695	0.742	0.812	0.705	0.721	0.862	0.721	1.768
6/6/04 10:00 AM	2.203	0.696	0.749	0.817	0.703	0.721	0.864	0.722	1.765
6/6/04 11:00 AM	2.208	0.69	0.754	0.815	0.701	0.72	0.863	0.722	1.76
6/6/04 12:00 PM	2.205	0.695	0.75	0.814	0.703	0.722	0.865	0.723	1.765
6/6/04 1:00 PM	2.213	0.697	0.749	0.818	0.705	0.724	0.866	0.726	1.764
6/6/04 2:00 PM	2.211	0.693	0.749	0.818	0.7	0.717	0.864	0.724	1.761
6/6/04 3:00 PM	2.206	0.692	0.75	0.815	0.695	0.71	0.863	0.722	1.76
6/6/04 4:00 PM	2.251	0.689	0.742	0.827	0.703	0.716	0.865	0.724	1.766
6/6/04 5:00 PM	2.18	0.691	0.753	0.82	0.697	0.72	0.862	0.722	1.758
6/6/04 6:00 PM	2.185	0.695	0.749	0.816	0.7	0.718	0.863	0.722	1.761
6/6/04 7:00 PM	2.177	0.689	0.75	0.814	0.696	0.716	0.861	0.721	1.752
6/6/04 8:00 PM	2.193	0.69	0.743	0.814	0.703	0.716	0.858	0.718	1.757
6/6/04 9:00 PM	2.203	0.688	0.749	0.813	0.702	0.718	0.858	0.719	1.756
6/6/04 10:00 PM	2.178	0.696	0.744	0.807	0.7	0.72	0.857	0.717	1.756
6/6/04 11:00 PM	2.179	0.689	0.742	0.814	0.698	0.715	0.857	0.717	1.751
6/7/04 12:00 AM	2.178	0.689	0.742	0.812	0.699	0.717	0.857	0.717	1.753
6/7/04 1:00 AM	2.175	0.693	0.745	0.809	0.698	0.713	0.857	0.717	1.754
6/7/04 1:30 AM	2.175	0.696	0.747	0.811	0.7	0.72	0.857	0.716	1.75
6/7/04 2:30 AM	2.178	0.696	0.743	0.809	0.698	0.715	0.856	0.716	1.752
6/7/04 3:30 AM	2.168	0.695	0.742	0.808	0.698	0.718	0.856	0.715	1.745
6/7/04 4:30 AM	2.177	0.688	0.748	0.809	0.698	0.714	0.856	0.716	1.741
6/7/04 5:30 AM	2.174	0.695	0.747	0.809	0.701	0.72	0.864	0.725	1.749
6/7/04 6:30 AM	2.173	0.695	0.749	0.814	0.698	0.715	0.861	0.72	1.753
6/7/04 7:30 AM	2.191	0.697	0.75	0.816	0.702	0.72	0.862	0.721	1.76
6/7/04 8:30 AM	2.187	0.697	0.751	0.816	0.701	0.721	0.862	0.721	1.756
6/7/04 9:30 AM	2.194	0.698	0.754	0.814	0.708	0.727	0.863	0.723	1.755
6/7/04 10:30 AM	2.191	0.698	0.752	0.817	0.708	0.728	0.864	0.723	1.762
6/7/04 11:30 AM	2.185	0.698	0.752	0.818	0.709	0.728	0.865	0.725	1.763
6/7/04 12:30 PM	2.168	0.697	0.754	0.815	0.707	0.728	0.863	0.723	1.759
6/7/04 1:30 PM	2.18	0.701	0.748	0.817	0.708	0.727	0.876	0.728	1.762
6/7/04 2:30 PM	2.186	0.699	0.753	0.819	0.705	0.723	0.858	0.72	1.764
6/7/04 3:30 PM	2.191	0.694	0.755	0.815	0.704	0.722	0.862	0.721	1.756
6/7/04 4:30 PM	2.17	0.69	0.757	0.814	0.706	0.727	0.863	0.722	1.751
6/7/04 5:30 PM	2.17	0.701	0.747	0.817	0.705	0.727	0.863	0.722	1.756
6/7/04 6:30 PM	2.169	0.697	0.75	0.812	0.704	0.722	0.862	0.721	1.756
6/7/04 7:30 PM	2.162	0.696	0.754	0.808	0.707	0.725	0.859	0.719	1.746
6/7/04 8:30 PM	2.154	0.702	0.751	0.811	0.706	0.725	0.858	0.718	1.746

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
6/7/04 9:30 PM	2.139	0.691	0.752	0.814	0.7	0.725	0.861	0.721	1.74
6/7/04 10:30 PM	2.171	0.688	0.742	0.814	0.707	0.725	0.857	0.719	1.753
6/7/04 11:30 PM	2.152	0.697	0.747	0.81	0.705	0.725	0.866	0.722	1.745
6/8/04 12:30 AM	2.15	0.693	0.75	0.813	0.702	0.723	0.857	0.717	1.738
6/8/04 1:30 AM	2.156	0.697	0.747	0.811	0.703	0.719	0.856	0.717	1.748
6/8/04 2:30 AM	2.158	0.689	0.75	0.81	0.696	0.712	0.856	0.718	1.738
6/8/04 3:30 AM	2.148	0.693	0.752	0.81	0.696	0.71	0.856	0.717	1.737
6/8/04 4:30 AM	2.144	0.695	0.751	0.809	0.697	0.712	0.856	0.718	1.737
6/8/04 5:30 AM	2.149	0.692	0.748	0.811	0.695	0.711	0.861	0.722	1.74
6/8/04 6:30 AM	2.159	0.698	0.751	0.811	0.7	0.712	0.86	0.72	1.748
6/8/04 7:30 AM	2.155	0.694	0.751	0.815	0.697	0.713	0.859	0.72	1.75
6/8/04 8:30 AM	2.169	0.698	0.757	0.814	0.698	0.717	0.862	0.721	1.746
6/8/04 9:30 AM	2.156	0.699	0.752	0.815	0.698	0.714	0.862	0.722	1.751
6/8/04 10:30 AM	2.15	0.698	0.753	0.82	0.698	0.714	0.861	0.722	1.751
6/8/04 11:00 AM	2.142	0.713	0.754	0.812	0.704	0.72	0.861	0.722	1.76
6/8/04 12:00 PM	2.146	0.697	0.752	0.817	0.7	0.716	0.861	0.722	1.754
6/8/04 1:00 PM	2.145	0.691	0.751	0.821	0.696	0.713	0.864	0.729	1.753
6/8/04 2:00 PM	2.347	0.692	0.746	0.815	0.698	0.706	0.858	0.722	1.751
6/8/04 3:00 PM	2.156	0.694	0.749	0.816	0.703	0.712	0.857	0.72	1.752
6/8/04 4:00 PM	2.139	0.694	0.752	0.817	0.7	0.712	0.859	0.721	1.753
6/8/04 5:00 PM	2.124	0.703	0.752	0.815	0.7	0.713	0.859	0.72	1.751
6/8/04 6:00 PM	2.13	0.7	0.749	0.813	0.701	0.718	0.859	0.72	1.753
6/8/04 7:00 PM	2.108	0.688	0.752	0.818	0.697	0.711	0.858	0.72	1.741
6/8/04 8:00 PM	2.122	0.69	0.755	0.81	0.7	0.712	0.857	0.718	1.746
6/8/04 9:00 PM	2.105	0.699	0.757	0.811	0.699	0.716	0.857	0.719	1.736
6/8/04 10:00 PM	2.117	0.69	0.753	0.81	0.694	0.711	0.855	0.718	1.734
6/8/04 11:00 PM	2.115	0.692	0.749	0.812	0.699	0.716	0.858	0.72	1.739
6/9/04 12:00 AM	2.123	0.691	0.752	0.814	0.696	0.712	0.856	0.72	1.737
6/9/04 1:00 AM	2.122	0.692	0.752	0.812	0.694	0.709	0.856	0.719	1.738
6/9/04 2:00 AM	2.119	0.693	0.749	0.81	0.697	0.71	0.856	0.718	1.738
6/9/04 3:00 AM	2.128	0.692	0.746	0.81	0.697	0.711	0.854	0.718	1.744
6/9/04 4:00 AM	2.114	0.696	0.75	0.809	0.697	0.714	0.855	0.718	1.735
6/9/04 5:00 AM	2.111	0.696	0.757	0.811	0.694	0.713	0.856	0.718	1.737
6/9/04 6:00 AM	2.123	0.699	0.751	0.81	0.696	0.711	0.856	0.72	1.739
6/9/04 7:00 AM	2.117	0.703	0.747	0.81	0.699	0.716	0.857	0.719	1.747
6/9/04 8:00 AM	2.118	0.699	0.763	0.815	0.697	0.712	0.868	0.724	1.726
6/9/04 9:00 AM	2.132	0.713	0.752	0.82	0.694	0.711	0.858	0.721	1.753
6/9/04 10:00 AM	2.112	0.7	0.756	0.814	0.695	0.709	0.857	0.721	1.744
6/9/04 11:00 AM	2.112	0.693	0.753	0.819	0.687	0.705	0.856	0.722	1.73
6/9/04 12:00 PM	2.133	0.691	0.75	0.824	0.7	0.706	0.857	0.721	1.741
6/9/04 1:00 PM	2.114	0.699	0.751	0.813	0.696	0.706	0.858	0.721	1.746
6/9/04 2:00 PM	2.147	0.699	0.752	0.82	0.704	0.707	0.869	0.727	1.75

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
6/9/04 3:00 PM	2.134	0.703	0.756	0.812	0.696	0.709	0.859	0.722	1.741
6/9/04 4:00 PM	2.136	0.696	0.752	0.822	0.702	0.707	0.861	0.725	1.742
6/9/04 5:00 PM	2.147	0.703	0.758	0.815	0.697	0.708	0.858	0.721	1.741
6/9/04 6:00 PM	2.114	0.685	0.752	0.821	0.696	0.708	0.858	0.724	1.74
6/9/04 7:00 PM	2.133	0.708	0.75	0.813	0.695	0.709	0.856	0.721	1.748
6/9/04 8:00 PM	2.105	0.692	0.754	0.811	0.697	0.71	0.859	0.724	1.734
6/9/04 8:30 PM	2.099	0.697	0.754	0.81	0.694	0.706	0.854	0.719	1.741
6/9/04 9:30 PM	2.132	0.692	0.744	0.815	0.7	0.707	0.853	0.721	1.745
6/9/04 10:30 PM	2.107	0.696	0.755	0.813	0.691	0.706	0.854	0.72	1.735
6/9/04 11:30 PM	2.111	0.696	0.757	0.808	0.692	0.705	0.856	0.722	1.733
6/10/04 12:30 AM	2.116	0.698	0.751	0.811	0.693	0.706	0.86	0.728	1.734
6/10/04 1:30 AM	2.109	0.697	0.751	0.812	0.693	0.706	0.853	0.719	1.734
6/10/04 2:30 AM	2.12	0.694	0.751	0.809	0.696	0.708	0.852	0.719	1.731
6/10/04 3:30 AM	2.114	0.696	0.752	0.809	0.696	0.709	0.852	0.719	1.734
6/10/04 4:30 AM	2.106	0.696	0.75	0.811	0.694	0.708	0.852	0.719	1.728
6/10/04 5:30 AM	2.103	0.688	0.752	0.812	0.694	0.708	0.854	0.721	1.731
6/10/04 6:30 AM	2.097	0.695	0.756	0.814	0.691	0.706	0.855	0.722	1.736
6/10/04 7:30 AM	2.119	0.696	0.747	0.814	0.696	0.707	0.856	0.723	1.744
6/10/04 8:30 AM	2.123	0.696	0.751	0.815	0.698	0.709	0.858	0.725	1.743
6/10/04 9:30 AM	2.104	0.701	0.757	0.815	0.698	0.712	0.86	0.726	1.743
6/10/04 10:30 AM	2.127	0.695	0.746	0.82	0.707	0.717	0.858	0.725	1.762
6/10/04 11:30 AM	2.111	0.698	0.757	0.817	0.702	0.715	0.858	0.725	1.744
6/10/04 12:30 PM	2.11	0.696	0.76	0.82	0.708	0.716	0.858	0.726	1.765
6/10/04 1:30 PM	2.158	0.695	0.749	0.817	0.706	0.713	0.859	0.727	1.747
6/10/04 2:30 PM	2.113	0.695	0.756	0.817	0.7	0.718	0.859	0.726	1.742
6/10/04 3:30 PM	2.118	0.692	0.756	0.823	0.708	0.717	0.858	0.724	1.747
6/10/04 4:30 PM	2.125	0.701	0.756	0.813	0.703	0.717	0.86	0.727	1.744
6/10/04 5:30 PM	2.095	0.698	0.758	0.815	0.703	0.716	0.859	0.725	1.737
6/10/04 6:30 PM	2.126	0.694	0.757	0.816	0.702	0.716	0.858	0.726	1.748
6/10/04 7:30 PM	2.111	0.699	0.752	0.815	0.7	0.713	0.853	0.722	1.738
6/10/04 8:30 PM	2.105	0.696	0.75	0.808	0.698	0.713	0.853	0.719	1.731
6/10/04 9:30 PM	2.113	0.697	0.751	0.81	0.7	0.713	0.852	0.719	1.737
6/10/04 10:30 PM	2.091	0.695	0.748	0.811	0.693	0.709	0.853	0.72	1.729
6/10/04 11:30 PM	2.108	0.695	0.747	0.808	0.7	0.712	0.851	0.719	1.729
6/11/04 12:30 AM	2.107	0.691	0.743	0.81	0.693	0.706	0.853	0.722	1.73
6/11/04 1:30 AM	2.107	0.69	0.743	0.811	0.692	0.704	0.851	0.72	1.725
6/11/04 2:30 AM	2.106	0.697	0.746	0.809	0.693	0.706	0.852	0.72	1.728
6/11/04 3:30 AM	2.107	0.699	0.747	0.809	0.695	0.708	0.851	0.718	1.732
6/11/04 4:30 AM	2.087	0.692	0.748	0.811	0.69	0.704	0.853	0.721	1.724
6/11/04 5:30 AM	2.101	0.694	0.751	0.812	0.696	0.711	0.851	0.719	1.724
6/11/04 6:00 AM	2.12	0.692	0.749	0.811	0.698	0.709	0.852	0.721	1.731
6/11/04 7:00 AM	2.11	0.694	0.754	0.816	0.696	0.71	0.855	0.723	1.733

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
6/11/04 8:00 AM	2.122	0.694	0.757	0.816	0.697	0.709	0.858	0.726	1.741
6/11/04 9:00 AM	2.102	0.7	0.759	0.816	0.7	0.71	0.857	0.727	1.744
6/11/04 10:00 AM	2.114	0.695	0.752	0.818	0.7	0.711	0.858	0.726	1.738
6/11/04 11:00 AM	2.121	0.7	0.752	0.816	0.698	0.711	0.857	0.725	1.738
6/11/04 12:00 PM	2.131	0.705	0.754	0.815	0.7	0.711	0.858	0.726	1.735
6/11/04 1:00 PM	2.131	0.694	0.751	0.816	0.699	0.714	0.858	0.728	1.735
6/11/04 2:00 PM	2.1	0.692	0.753	0.816	0.697	0.711	0.859	0.727	1.737
6/11/04 3:00 PM	2.123	0.694	0.754	0.813	0.707	0.712	0.859	0.727	1.74
6/11/04 4:00 PM	2.093	0.699	0.755	0.82	0.699	0.71	0.858	0.728	1.733
6/11/04 5:00 PM	2.093	0.686	0.755	0.819	0.698	0.709	0.857	0.726	1.739
6/11/04 6:00 PM	2.116	0.692	0.753	0.818	0.697	0.711	0.857	0.724	1.729
6/11/04 7:00 PM	2.094	0.699	0.759	0.818	0.691	0.706	0.856	0.726	1.735
6/11/04 8:00 PM	2.106	0.688	0.743	0.818	0.695	0.704	0.857	0.726	1.726
6/11/04 9:00 PM	2.11	0.699	0.744	0.816	0.7	0.706	0.852	0.725	1.748
6/11/04 10:00 PM	2.076	0.706	0.753	0.812	0.696	0.707	0.854	0.721	1.725
6/11/04 11:00 PM	2.075	0.692	0.744	0.813	0.697	0.712	0.853	0.722	1.73
6/12/04 12:00 AM	2.079	0.691	0.748	0.816	0.692	0.706	0.852	0.723	1.727
6/12/04 1:00 AM	2.087	0.693	0.75	0.815	0.695	0.704	0.853	0.723	1.721
6/12/04 2:00 AM	2.085	0.698	0.756	0.81	0.695	0.703	0.853	0.721	1.721
6/12/04 3:00 AM	2.09	0.698	0.745	0.813	0.697	0.711	0.852	0.723	1.73
6/12/04 4:00 AM	2.083	0.693	0.741	0.812	0.698	0.711	0.851	0.722	1.73
6/12/04 5:00 AM	2.08	0.696	0.752	0.814	0.692	0.705	0.859	0.729	1.727
6/12/04 6:00 AM	2.094	0.696	0.753	0.813	0.697	0.713	0.881	0.738	1.728
6/12/04 7:00 AM	2.086	0.713	0.752	0.816	0.705	0.719	0.889	0.744	1.73
6/12/04 8:00 AM	2.092	0.697	0.751	0.815	0.699	0.713	0.864	0.729	1.73
6/12/04 9:00 AM	2.088	0.687	0.755	0.82	0.698	0.709	0.86	0.729	1.726
6/12/04 10:00 AM	2.094	0.712	0.75	0.818	0.705	0.717	0.857	0.728	1.739
6/12/04 11:00 AM	2.091	0.699	0.757	0.817	0.698	0.71	0.858	0.727	1.727
6/12/04 12:00 PM	2.065	0.703	0.757	0.817	0.7	0.708	0.856	0.727	1.732
6/12/04 1:00 PM	2.057	0.711	0.77	0.816	0.696	0.707	0.858	0.73	1.719
6/12/04 2:00 PM	2.087	0.704	0.756	0.821	0.699	0.71	0.855	0.726	1.735
6/12/04 3:00 PM	2.088	0.701	0.747	0.816	0.703	0.716	0.857	0.726	1.737
6/12/04 3:30 PM	2.084	0.693	0.755	0.815	0.701	0.712	0.863	0.734	1.729
6/12/04 4:30 PM	2.07	0.689	0.752	0.818	0.694	0.702	0.857	0.728	1.729
6/12/04 5:30 PM	2.069	0.697	0.754	0.819	0.695	0.703	0.858	0.729	1.735
6/12/04 6:30 PM	2.072	0.7	0.747	0.813	0.701	0.713	0.893	0.747	1.732
6/12/04 7:30 PM	2.061	0.689	0.752	0.817	0.691	0.698	0.888	0.743	1.724
6/12/04 8:30 PM	2.066	0.694	0.747	0.814	0.693	0.698	0.874	0.736	1.725
6/12/04 9:30 PM	2.072	0.694	0.747	0.811	0.692	0.697	0.882	0.74	1.723
6/12/04 10:30 PM	2.052	0.694	0.747	0.811	0.691	0.698	0.866	0.73	1.721
6/12/04 11:30 PM	2.05	0.694	0.747	0.809	0.687	0.696	0.882	0.74	1.721
6/13/04 12:30 AM	2.041	0.694	0.744	0.813	0.689	0.697	0.864	0.73	1.721

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
6/13/04 1:30 AM	2.046	0.694	0.745	0.808	0.688	0.697	0.87	0.732	1.72
6/13/04 2:30 AM	2.043	0.69	0.749	0.813	0.686	0.694	0.878	0.736	1.717
6/13/04 3:30 AM	2.04	0.693	0.744	0.809	0.689	0.698	0.865	0.73	1.722
6/13/04 4:30 AM	2.044	0.694	0.748	0.811	0.684	0.695	0.88	0.738	1.72
6/13/04 5:30 AM	2.054	0.695	0.75	0.81	0.693	0.703	0.873	0.734	1.723
6/13/04 6:30 AM	2.041	0.694	0.752	0.815	0.693	0.706	0.878	0.738	1.726
6/13/04 7:30 AM	2.04	0.7	0.75	0.818	0.694	0.709	0.894	0.748	1.728
6/13/04 8:30 AM	2.045	0.694	0.749	0.818	0.698	0.709	0.889	0.746	1.73
6/13/04 9:30 AM	2.044	0.701	0.76	0.816	0.7	0.708	0.87	0.737	1.738
6/13/04 10:30 AM	2.048	0.695	0.749	0.819	0.699	0.709	0.863	0.735	1.728
6/13/04 11:30 AM	2.056	0.695	0.754	0.818	0.701	0.717	0.864	0.735	1.724
6/13/04 12:30 PM	2.045	0.696	0.756	0.814	0.703	0.717	0.861	0.731	1.723
6/13/04 1:30 PM	2.048	0.695	0.747	0.818	0.707	0.717	0.86	0.731	1.743
6/13/04 2:30 PM	2.047	0.696	0.747	0.818	0.702	0.717	0.86	0.731	1.732
6/13/04 3:30 PM	2.034	0.69	0.753	0.818	0.701	0.713	0.862	0.734	1.731
6/13/04 4:30 PM	2.049	0.69	0.747	0.815	0.7	0.704	0.859	0.731	1.734
6/13/04 5:30 PM	2.032	0.703	0.757	0.818	0.695	0.703	0.863	0.734	1.724
6/13/04 6:30 PM	2.042	0.694	0.76	0.817	0.698	0.709	0.86	0.734	1.738
6/13/04 7:20 PM	2.036	0.702	0.754	0.814	0.698	0.701	0.858	0.728	1.739
6/13/04 8:20 PM	2.011	0.706	0.762	0.808	0.687	0.7	0.857	0.727	1.708
6/13/04 9:20 PM	2.026	0.705	0.753	0.811	0.692	0.698	0.858	0.729	1.715
6/13/04 10:20 PM	2.025	0.69	0.746	0.815	0.691	0.697	0.854	0.726	1.717
6/13/04 11:20 PM	2.039	0.7	0.743	0.811	0.691	0.697	0.855	0.728	1.724
6/14/04 12:20 AM	2.01	0.696	0.748	0.81	0.693	0.703	0.853	0.725	1.722
6/14/04 1:20 AM	2.038	0.695	0.744	0.813	0.693	0.695	0.852	0.726	1.719
6/14/04 2:20 AM	2.024	0.691	0.746	0.809	0.684	0.696	0.853	0.725	1.714
6/14/04 3:20 AM	2.018	0.696	0.752	0.81	0.689	0.699	0.853	0.725	1.714
6/14/04 4:20 AM	2.039	0.691	0.742	0.808	0.688	0.696	0.851	0.725	1.721
6/14/04 5:20 AM	2.024	0.701	0.742	0.808	0.694	0.699	0.852	0.724	1.721
6/14/04 6:20 AM	2.035	0.689	0.751	0.817	0.695	0.698	0.854	0.728	1.74
6/14/04 7:20 AM	2.026	0.7	0.75	0.818	0.694	0.704	0.858	0.73	1.721
6/14/04 8:20 AM	2.03	0.698	0.759	0.818	0.693	0.703	0.858	0.73	1.72
6/14/04 9:20 AM	2.023	0.696	0.752	0.817	0.694	0.704	0.859	0.73	1.72
6/14/04 10:20 AM	2.026	0.695	0.746	0.819	0.695	0.702	0.861	0.735	1.729
6/14/04 11:20 AM	2.031	0.694	0.747	0.819	0.694	0.7	0.859	0.731	1.722
6/14/04 12:20 PM	2.014	0.692	0.75	0.822	0.695	0.701	0.858	0.731	1.722
6/14/04 1:20 PM	2.03	0.698	0.744	0.817	0.694	0.702	0.86	0.732	1.727
6/14/04 2:20 PM	2.009	0.695	0.75	0.821	0.692	0.702	0.859	0.732	1.724
6/14/04 3:20 PM	2.004	0.699	0.753	0.816	0.694	0.701	0.859	0.731	1.734
6/14/04 4:20 PM	2.021	0.693	0.748	0.819	0.692	0.7	0.862	0.732	1.722
6/14/04 5:20 PM	2.031	0.702	0.746	0.815	0.692	0.699	0.857	0.73	1.728
6/14/04 6:20 PM	2.027	0.699	0.745	0.816	0.688	0.692	0.859	0.733	1.724

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
6/14/04 7:20 PM	2.028	0.691	0.754	0.818	0.696	0.697	0.856	0.729	1.724
6/14/04 8:20 PM	2.002	0.691	0.743	0.813	0.689	0.695	0.854	0.728	1.727
6/14/04 9:20 PM	2.005	0.694	0.747	0.815	0.689	0.696	0.853	0.727	1.712
6/14/04 10:20 PM	2.005	0.69	0.738	0.812	0.69	0.695	0.853	0.729	1.721
6/14/04 11:20 PM	2.001	0.695	0.743	0.812	0.687	0.695	0.852	0.726	1.716
6/15/04 12:20 AM	2.004	0.691	0.745	0.812	0.689	0.697	0.853	0.727	1.709
6/15/04 1:20 AM	1.998	0.694	0.749	0.811	0.686	0.693	0.852	0.725	1.712
6/15/04 2:20 AM	2	0.695	0.742	0.812	0.687	0.693	0.852	0.727	1.715
6/15/04 3:20 AM	2.005	0.688	0.744	0.812	0.686	0.693	0.851	0.726	1.709
6/15/04 4:20 AM	2.009	0.69	0.743	0.813	0.686	0.693	0.852	0.727	1.712
6/15/04 4:50 AM	1.996	0.697	0.747	0.81	0.687	0.695	0.853	0.726	1.708
6/15/04 5:50 AM	2.001	0.696	0.75	0.811	0.688	0.694	0.859	0.734	1.714
6/15/04 6:50 AM	2.004	0.698	0.743	0.815	0.692	0.696	0.856	0.73	1.72
6/15/04 7:50 AM	1.994	0.699	0.756	0.816	0.692	0.701	0.857	0.731	1.722
6/15/04 8:50 AM	1.993	0.698	0.754	0.817	0.692	0.701	0.858	0.732	1.718
6/15/04 9:50 AM	2.014	0.705	0.765	0.822	0.691	0.699	0.879	0.74	1.708
6/15/04 10:50 AM	1.997	0.714	0.753	0.815	0.697	0.703	0.859	0.732	1.724
6/15/04 11:50 AM	2.004	0.697	0.744	0.818	0.694	0.698	0.861	0.734	1.726
6/15/04 12:50 PM	1.993	0.694	0.754	0.817	0.692	0.699	0.859	0.732	1.726
6/15/04 1:50 PM	1.996	0.696	0.75	0.818	0.69	0.698	0.86	0.733	1.718
6/15/04 2:50 PM	2.018	0.701	0.75	0.827	0.697	0.702	0.859	0.732	1.716
6/15/04 3:50 PM	2.02	0.705	0.749	0.82	0.695	0.7	0.857	0.73	1.722
6/15/04 4:50 PM	2.002	0.691	0.746	0.82	0.694	0.697	0.86	0.736	1.717
6/15/04 5:50 PM	1.985	0.694	0.75	0.815	0.687	0.695	0.855	0.728	1.708
6/15/04 6:50 PM	2.003	0.688	0.75	0.815	0.692	0.696	0.854	0.728	1.703
6/15/04 7:50 PM	1.988	0.695	0.749	0.813	0.695	0.706	0.857	0.731	1.714
6/15/04 8:50 PM	2.001	0.693	0.752	0.814	0.695	0.704	0.854	0.729	1.709
6/15/04 9:50 PM	2.028	0.714	0.745	0.812	0.697	0.703	0.853	0.727	1.714
6/15/04 10:50 PM	2.005	0.706	0.744	0.814	0.703	0.708	0.853	0.728	1.72
6/15/04 11:50 PM	1.977	0.698	0.751	0.816	0.697	0.71	0.856	0.73	1.71
6/16/04 12:50 AM	1.999	0.687	0.747	0.815	0.697	0.706	0.854	0.731	1.712
6/16/04 1:50 AM	1.979	0.699	0.746	0.814	0.695	0.703	0.856	0.731	1.709
6/16/04 2:50 AM	1.981	0.693	0.75	0.815	0.695	0.705	0.854	0.729	1.709
6/16/04 3:50 AM	1.971	0.694	0.75	0.814	0.692	0.703	0.852	0.727	1.709
6/16/04 4:50 AM	1.986	0.691	0.748	0.813	0.691	0.698	0.852	0.727	1.709
6/16/04 5:50 AM	1.967	0.696	0.748	0.814	0.689	0.697	0.853	0.729	1.707
6/16/04 6:50 AM	1.986	0.694	0.754	0.815	0.694	0.702	0.854	0.729	1.709
6/16/04 7:50 AM	1.962	0.699	0.755	0.816	0.695	0.705	0.856	0.731	1.716
6/16/04 8:50 AM	1.996	0.706	0.743	0.817	0.69	0.701	0.858	0.734	1.725
6/16/04 9:50 AM	1.973	0.692	0.752	0.817	0.697	0.701	0.858	0.732	1.717
6/16/04 10:50 AM	1.967	0.705	0.765	0.813	0.691	0.7	0.859	0.735	1.698
6/16/04 11:50 AM	1.949	0.671	0.724	0.797	0.685	0.694	0.852	0.73	1.686

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
6/16/04 12:50 PM	1.901	0.652	0.723	0.799	0.675	0.689	0.851	0.726	1.675
6/16/04 1:50 PM	-1	0.674	0.749	0.792	0.679	0.696	0.85	0.727	1.671
6/16/04 2:20 PM	1.891	0.662	0.73	0.798	0.679	0.694	0.852	0.728	1.67
6/16/04 3:20 PM	1.89	0.667	0.725	0.8	0.673	0.685	0.85	0.726	1.675
6/16/04 4:20 PM	1.935	0.661	0.728	0.802	0.675	0.684	0.85	0.728	1.682
6/16/04 5:20 PM	1.905	0.66	0.734	0.798	0.675	0.689	0.852	0.73	1.672
6/16/04 6:20 PM	1.921	0.669	0.738	0.801	0.676	0.688	0.849	0.727	1.679
6/16/04 7:20 PM	1.921	0.666	0.728	0.801	0.681	0.689	0.849	0.728	1.683
6/16/04 8:20 PM	1.898	0.673	0.73	0.803	0.678	0.695	0.849	0.728	1.682
6/16/04 9:20 PM	1.912	0.676	0.73	0.799	0.684	0.697	0.847	0.725	1.683
6/16/04 10:20 PM	1.911	0.669	0.729	0.805	0.683	0.693	0.847	0.726	1.679
6/16/04 11:20 PM	1.897	0.669	0.733	0.802	0.677	0.693	0.848	0.726	1.678
6/17/04 12:20 AM	1.908	0.675	0.734	0.801	0.678	0.689	0.849	0.724	1.683
6/17/04 1:20 AM	1.901	0.671	0.735	0.803	0.678	0.692	0.848	0.725	1.681
6/17/04 2:20 AM	1.902	0.676	0.737	0.802	0.682	0.695	0.847	0.725	1.685
6/17/04 3:20 AM	1.904	0.676	0.731	0.804	0.681	0.693	0.848	0.726	1.682
6/17/04 4:20 AM	1.907	0.676	0.735	0.805	0.68	0.692	0.848	0.726	1.683
6/17/04 5:20 AM	1.909	0.674	0.732	0.805	0.681	0.692	0.847	0.727	1.684
6/17/04 6:20 AM	1.905	0.671	0.736	0.807	0.686	0.695	0.85	0.728	1.685
6/17/04 7:20 AM	1.908	0.682	0.734	0.809	0.685	0.695	0.853	0.731	1.694
6/17/04 8:20 AM	1.932	0.677	0.739	0.809	0.688	0.699	0.853	0.731	1.697
6/17/04 9:20 AM	2.854	0.676	0.741	0.811	0.69	0.701	0.855	0.734	1.691
6/17/04 10:20 AM	2.638	0.681	0.74	0.81	0.692	0.696	0.849	0.728	1.702
6/17/04 11:20 AM	2.608	0.686	0.749	0.81	0.687	0.693	0.852	0.73	1.707
6/17/04 12:20 PM	2.613	0.682	0.746	0.81	0.685	0.697	0.872	0.741	1.693
6/17/04 1:20 PM	2.569	0.683	0.745	0.815	0.691	0.702	0.856	0.733	1.694
6/17/04 2:20 PM	2.593	0.669	0.748	0.808	0.686	0.701	0.855	0.735	1.692
6/17/04 3:20 PM	2.64	0.68	0.742	0.816	0.692	0.694	0.854	0.733	1.702
6/17/04 4:20 PM	2.616	0.682	0.746	0.81	0.688	0.694	0.855	0.734	1.698
6/17/04 5:20 PM	2.608	0.702	0.735	0.813	0.694	0.697	0.853	0.733	1.707
6/17/04 6:20 PM	2.588	0.686	0.736	0.805	0.685	0.695	0.854	0.734	1.702
6/17/04 7:20 PM	2.618	0.686	0.745	0.808	0.687	0.693	0.852	0.731	1.687
6/17/04 8:20 PM	2.595	0.683	0.747	0.81	0.685	0.691	0.849	0.729	1.693
6/17/04 9:20 PM	2.579	0.685	0.74	0.808	0.684	0.693	0.849	0.728	1.69
6/17/04 10:20 PM	2.567	0.678	0.737	0.805	0.683	0.691	0.846	0.727	1.688
6/17/04 11:20 PM	2.587	0.679	0.737	0.805	0.68	0.691	0.848	0.728	1.685
6/17/04 11:50 PM	2.558	0.675	0.739	0.806	0.679	0.691	0.847	0.727	1.682
6/18/04 12:50 AM	2.567	0.683	0.734	0.806	0.687	0.693	0.847	0.729	1.686
6/18/04 1:50 AM	2.597	0.685	0.737	0.804	0.683	0.69	0.847	0.728	1.683
6/18/04 2:50 AM	2.574	0.677	0.737	0.807	0.683	0.689	0.847	0.727	1.685
6/18/04 3:50 AM	2.576	0.685	0.736	0.806	0.677	0.68	0.852	0.729	1.688
6/18/04 4:50 AM	2.58	0.676	0.736	0.807	0.683	0.693	0.847	0.729	1.682

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
6/18/04 5:50 AM	2.563	0.682	0.737	0.805	0.683	0.688	0.848	0.729	1.689
6/18/04 6:50 AM	2.56	0.69	0.742	0.811	0.68	0.685	0.852	0.731	1.699
6/18/04 7:50 AM	2.581	0.688	0.74	0.808	0.685	0.695	0.852	0.733	1.702
6/18/04 8:50 AM	2.636	0.673	0.734	0.812	0.687	0.689	0.85	0.734	1.696
6/18/04 9:50 AM	2.641	0.682	0.741	0.813	0.685	0.687	0.852	0.733	1.696
6/18/04 10:50 AM	2.6	0.687	0.742	0.811	0.682	0.688	0.855	0.736	1.707
6/18/04 11:50 AM	2.564	0.679	0.743	0.811	0.688	0.689	0.854	0.734	1.693
6/18/04 12:50 PM	2.55	0.683	0.739	0.815	0.68	0.688	0.853	0.736	1.699
6/18/04 1:50 PM	2.632	0.677	0.738	0.813	0.685	0.688	0.853	0.735	1.695
6/18/04 2:50 PM	2.537	0.693	0.745	0.812	0.69	0.695	0.853	0.733	1.71
6/18/04 3:50 PM	2.52	0.682	0.747	0.819	0.68	0.685	0.855	0.736	1.703
6/18/04 4:50 PM	2.57	0.692	0.745	0.809	0.687	0.686	0.853	0.733	1.701
6/18/04 5:50 PM	2.565	0.69	0.742	0.814	0.691	0.696	0.853	0.734	1.705
6/18/04 6:50 PM	2.559	0.679	0.734	0.811	0.685	0.684	0.852	0.734	1.693
6/18/04 7:50 PM	2.511	0.687	0.745	0.808	0.681	0.683	0.851	0.733	1.699
6/18/04 8:50 PM	2.511	0.682	0.745	0.809	0.68	0.682	0.85	0.732	1.69
6/18/04 9:50 PM	2.532	0.677	0.738	0.809	0.68	0.68	0.848	0.732	1.685
6/18/04 10:50 PM	2.514	0.689	0.738	0.803	0.679	0.683	0.846	0.729	1.687
6/18/04 11:50 PM	2.492	0.683	0.734	0.813	0.679	0.68	0.847	0.729	1.691
6/19/04 12:50 AM	2.48	0.684	0.739	0.808	0.678	0.682	0.849	0.731	1.688
6/19/04 1:50 AM	2.513	0.686	0.74	0.808	0.679	0.685	0.846	0.727	1.686
6/19/04 2:50 AM	2.51	0.691	0.739	0.805	0.68	0.683	0.846	0.729	1.691
6/19/04 3:50 AM	2.536	0.685	0.735	0.807	0.68	0.683	0.845	0.728	1.69
6/19/04 4:50 AM	2.517	0.68	0.739	0.808	0.675	0.68	0.846	0.728	1.676
6/19/04 5:50 AM	2.543	0.681	0.733	0.808	0.679	0.679	0.846	0.73	1.689
6/19/04 6:50 AM	2.547	0.696	0.738	0.812	0.688	0.687	0.85	0.733	1.698
6/19/04 7:50 AM	2.521	0.691	0.741	0.813	0.685	0.684	0.852	0.734	1.705
6/19/04 8:50 AM	2.529	0.687	0.75	0.814	0.683	0.685	0.854	0.735	1.691
6/19/04 9:20 AM	2.52	0.677	0.742	0.818	0.69	0.696	0.852	0.736	1.693
6/19/04 10:20 AM	2.554	0.69	0.741	0.813	0.685	0.685	0.853	0.734	1.702
6/19/04 11:20 AM	2.543	0.687	0.746	0.814	0.684	0.693	0.852	0.735	1.702
6/19/04 12:20 PM	2.522	0.692	0.738	0.813	0.689	0.69	0.854	0.735	1.699
6/19/04 1:20 PM	2.562	0.682	0.744	0.816	0.684	0.686	0.853	0.734	1.691
6/19/04 2:20 PM	2.529	0.687	0.742	0.818	0.684	0.685	0.853	0.736	1.704
6/19/04 3:20 PM	2.519	0.687	0.74	0.814	0.688	0.694	0.853	0.736	1.699
6/19/04 4:20 PM	2.525	0.694	0.741	0.814	0.683	0.687	0.853	0.736	1.703
6/19/04 5:20 PM	2.523	0.683	0.744	0.818	0.685	0.686	0.852	0.735	1.692
6/19/04 6:20 PM	2.554	0.681	0.738	0.815	0.687	0.685	0.852	0.737	1.694
6/19/04 7:20 PM	2.519	0.693	0.741	0.813	0.683	0.683	0.851	0.733	1.699
6/19/04 8:20 PM	2.491	0.677	0.747	0.81	0.678	0.681	0.849	0.733	1.682
6/19/04 9:20 PM	2.513	0.69	0.734	0.805	0.679	0.682	0.846	0.729	1.686
6/19/04 10:20 PM	2.522	0.678	0.743	0.807	0.688	0.7	0.847	0.731	1.676

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
6/19/04 11:20 PM	2.535	0.685	0.734	0.807	0.696	0.703	0.848	0.733	1.692
6/20/04 12:20 AM	2.496	0.683	0.738	0.807	0.69	0.703	0.846	0.731	1.684
6/20/04 1:20 AM	2.527	0.686	0.737	0.808	0.697	0.702	0.845	0.73	1.682
6/20/04 2:20 AM	2.524	0.684	0.732	0.807	0.694	0.703	0.844	0.729	1.686
6/20/04 3:20 AM	2.533	0.682	0.742	0.806	0.695	0.702	0.845	0.729	1.683
6/20/04 4:20 AM	2.517	0.683	0.741	0.806	0.692	0.698	0.846	0.729	1.678
6/20/04 5:20 AM	2.516	0.682	0.739	0.809	0.677	0.68	0.845	0.729	1.677
6/20/04 6:20 AM	2.52	0.687	0.74	0.815	0.682	0.682	0.861	0.739	1.686
6/20/04 7:20 AM	2.522	0.697	0.742	0.815	0.682	0.684	0.85	0.735	1.693
6/20/04 8:20 AM	2.519	0.689	0.75	0.814	0.694	0.705	0.853	0.737	1.691
6/20/04 9:20 AM	2.527	0.685	0.744	0.815	0.697	0.709	0.853	0.737	1.694
6/20/04 10:20 AM	2.51	0.687	0.749	0.814	0.7	0.71	0.853	0.736	1.698
6/20/04 11:20 AM	2.514	0.692	0.745	0.813	0.699	0.708	0.852	0.736	1.7
6/20/04 12:20 PM	2.504	0.685	0.746	0.819	0.703	0.71	0.853	0.738	1.693
6/20/04 1:20 PM	2.55	0.683	0.746	0.816	0.701	0.71	0.855	0.74	1.703
6/20/04 2:20 PM	2.508	0.691	0.742	0.819	0.699	0.709	0.853	0.738	1.698
6/20/04 3:20 PM	2.544	0.69	0.752	0.815	0.704	0.713	0.854	0.736	1.694
6/20/04 4:20 PM	2.519	0.695	0.751	0.815	0.704	0.71	0.853	0.736	1.703
6/20/04 5:20 PM	2.547	0.688	0.742	0.817	0.704	0.712	0.853	0.737	1.694
6/20/04 6:20 PM	2.529	0.684	0.747	0.818	0.701	0.709	0.852	0.736	1.691
6/20/04 6:50 PM	2.528	0.689	0.746	0.817	0.697	0.707	0.851	0.735	1.692
6/20/04 7:50 PM	2.52	0.687	0.738	0.809	0.699	0.705	0.851	0.734	1.688
6/20/04 8:50 PM	2.532	0.68	0.743	0.81	0.695	0.697	0.848	0.734	1.682
6/20/04 9:50 PM	2.499	0.692	0.741	0.807	0.691	0.7	0.846	0.73	1.684
6/20/04 10:50 PM	2.483	0.688	0.743	0.807	0.69	0.698	0.846	0.731	1.684
6/20/04 11:50 PM	2.482	0.688	0.741	0.809	0.684	0.689	0.865	0.739	1.683
6/21/04 12:50 AM	2.513	0.69	0.736	0.809	0.686	0.684	0.847	0.73	1.686
6/21/04 1:50 AM	2.517	0.684	0.742	0.808	0.681	0.683	0.846	0.73	1.678
6/21/04 2:50 AM	2.497	0.686	0.736	0.809	0.678	0.68	0.846	0.731	1.681
6/21/04 3:50 AM	2.503	0.684	0.738	0.809	0.684	0.688	0.846	0.731	1.676
6/21/04 4:50 AM	2.508	0.684	0.745	0.81	0.681	0.684	0.852	0.732	1.676
6/21/04 5:50 AM	2.519	0.685	0.748	0.809	0.681	0.68	0.849	0.733	1.68
6/21/04 6:50 AM	2.522	0.695	0.745	0.811	0.682	0.685	0.851	0.736	1.692
6/21/04 7:50 AM	2.525	0.692	0.743	0.812	0.686	0.686	0.852	0.737	1.698
6/21/04 8:50 AM	2.514	0.695	0.752	0.818	0.684	0.685	0.855	0.739	1.69
6/21/04 9:50 AM	2.502	0.682	0.744	0.819	0.685	0.685	0.852	0.737	1.692
6/21/04 10:50 AM	2.511	0.699	0.745	0.819	0.687	0.688	0.857	0.74	1.695
6/21/04 11:50 AM	2.542	0.691	0.742	0.816	0.686	0.691	0.858	0.74	1.693
6/21/04 12:50 PM	2.52	0.696	0.746	0.813	0.697	0.705	0.854	0.736	1.688
6/21/04 1:50 PM	2.521	0.696	0.744	0.816	0.689	0.695	0.854	0.738	1.695
6/21/04 2:50 PM	2.512	0.694	0.745	0.82	0.688	0.688	0.854	0.738	1.695
6/21/04 3:50 PM	2.511	0.689	0.742	0.82	0.686	0.689	0.854	0.739	1.696

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
6/21/04 4:50 PM	2.537	0.69	0.75	0.818	0.69	0.685	0.855	0.738	1.701
6/21/04 5:50 PM	2.518	0.692	0.752	0.816	0.688	0.686	0.854	0.736	1.689
6/21/04 6:50 PM	2.532	0.691	0.738	0.817	0.688	0.683	0.852	0.735	1.697
6/21/04 7:50 PM	2.531	0.69	0.742	0.813	0.684	0.681	0.85	0.734	1.686
6/21/04 8:50 PM	2.487	0.691	0.751	0.815	0.679	0.681	0.849	0.733	1.674
6/21/04 9:50 PM	2.498	0.693	0.739	0.806	0.68	0.68	0.847	0.731	1.68
6/21/04 10:50 PM	2.495	0.681	0.742	0.814	0.678	0.677	0.847	0.733	1.676
6/21/04 11:50 PM	2.517	0.689	0.739	0.81	0.678	0.679	0.846	0.732	1.679
6/22/04 12:50 AM	2.486	0.689	0.738	0.808	0.679	0.679	0.846	0.732	1.682
6/22/04 1:50 AM	2.496	0.688	0.742	0.813	0.677	0.678	0.846	0.731	1.677
6/22/04 2:50 AM	2.511	0.688	0.74	0.811	0.677	0.678	0.846	0.732	1.678
6/22/04 3:50 AM	2.491	0.691	0.743	0.812	0.678	0.677	0.846	0.731	1.675
6/22/04 4:20 AM	2.509	0.683	0.744	0.811	0.677	0.677	0.847	0.734	1.674
6/22/04 5:20 AM	2.521	0.685	0.745	0.809	0.68	0.677	0.846	0.732	1.676
6/22/04 6:20 AM	2.532	0.689	0.747	0.813	0.68	0.681	0.849	0.734	1.681
6/22/04 7:20 AM	2.531	0.692	0.751	0.816	0.69	0.697	0.856	0.737	1.691
6/22/04 8:20 AM	2.502	0.689	0.752	0.813	0.693	0.701	0.851	0.737	1.695
6/22/04 9:20 AM	2.482	0.69	0.744	0.818	0.682	0.684	0.852	0.737	1.695
6/22/04 10:20 AM	2.5	0.692	0.748	0.819	0.691	0.696	0.853	0.739	1.695
6/22/04 11:20 AM	2.503	0.699	0.747	0.818	0.692	0.699	0.852	0.737	1.694
6/22/04 12:20 PM	2.527	0.69	0.741	0.817	0.684	0.685	0.852	0.739	1.693
6/22/04 1:20 PM	2.52	0.691	0.744	0.818	0.686	0.691	0.852	0.739	1.698
6/22/04 2:20 PM	2.51	0.691	0.753	0.822	0.686	0.683	0.853	0.739	1.687
6/22/04 3:20 PM	2.481	0.696	0.753	0.817	0.684	0.685	0.854	0.738	1.686
6/22/04 4:20 PM	2.528	0.696	0.75	0.819	0.686	0.684	0.853	0.739	1.699
6/22/04 5:20 PM	2.499	0.688	0.748	0.818	0.682	0.682	0.853	0.74	1.69
6/22/04 6:20 PM	2.54	0.695	0.744	0.817	0.687	0.683	0.851	0.738	1.695
6/22/04 7:20 PM	2.52	0.696	0.749	0.815	0.683	0.685	0.849	0.736	1.687
6/22/04 8:20 PM	2.508	0.687	0.748	0.813	0.686	0.681	0.847	0.735	1.689
6/22/04 9:20 PM	2.504	0.684	0.745	0.813	0.682	0.678	0.847	0.734	1.688
6/22/04 10:20 PM	2.488	0.686	0.739	0.814	0.68	0.677	0.846	0.734	1.683
6/22/04 11:20 PM	2.489	0.682	0.744	0.813	0.678	0.678	0.847	0.736	1.675
6/23/04 12:20 AM	2.517	0.684	0.742	0.812	0.678	0.677	0.844	0.733	1.677
6/23/04 1:20 AM	2.498	0.688	0.744	0.809	0.681	0.678	0.844	0.732	1.672
6/23/04 2:20 AM	2.491	0.686	0.739	0.81	0.676	0.676	0.844	0.733	1.67
6/23/04 3:20 AM	2.476	0.683	0.74	0.811	0.677	0.676	0.846	0.733	1.674
6/23/04 4:20 AM	2.503	0.686	0.736	0.808	0.676	0.675	0.844	0.732	1.673
6/23/04 5:20 AM	2.516	0.69	0.742	0.809	0.678	0.676	0.846	0.734	1.671
6/23/04 6:20 AM	2.502	0.698	0.743	0.809	0.68	0.678	0.849	0.737	1.684
6/23/04 7:20 AM	2.505	0.692	0.741	0.815	0.677	0.675	0.848	0.736	1.684
6/23/04 8:20 AM	2.501	0.691	0.74	0.818	0.684	0.68	0.85	0.738	1.696
6/23/04 9:20 AM	2.493	0.694	0.754	0.816	0.684	0.681	0.853	0.74	1.693

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
6/23/04 10:20 AM	2.547	0.687	0.745	0.82	0.7	0.688	0.85	0.74	1.691
6/23/04 11:20 AM	2.555	0.687	0.748	0.814	0.692	0.699	0.85	0.74	1.689
6/23/04 12:20 PM	2.494	0.69	0.755	0.814	0.69	0.701	0.851	0.738	1.676
6/23/04 1:20 PM	2.5	0.695	0.743	0.816	0.697	0.702	0.85	0.738	1.695
6/23/04 1:50 PM	2.509	0.688	0.75	0.819	0.694	0.701	0.851	0.738	1.678
6/23/04 2:50 PM	2.512	0.693	0.749	0.82	0.698	0.704	0.851	0.739	1.687
6/23/04 3:50 PM	2.534	0.71	0.753	0.821	0.705	0.702	0.851	0.738	1.692
6/23/04 4:50 PM	2.518	0.68	0.747	0.827	0.696	0.69	0.852	0.739	1.69
6/23/04 5:50 PM	2.494	0.688	0.752	0.817	0.682	0.682	0.851	0.74	1.678
6/23/04 6:50 PM	2.546	0.705	0.743	0.813	0.687	0.681	0.848	0.738	1.686
6/23/04 7:50 PM	2.466	0.683	0.743	0.817	0.68	0.678	0.847	0.737	1.678
6/23/04 8:50 PM	2.459	0.688	0.744	0.811	0.68	0.677	0.848	0.735	1.68
6/23/04 9:50 PM	2.488	0.684	0.741	0.812	0.682	0.676	0.844	0.735	1.684
6/23/04 10:50 PM	2.476	0.691	0.742	0.81	0.679	0.676	0.844	0.734	1.675
6/23/04 11:50 PM	2.472	0.685	0.738	0.811	0.671	0.667	0.845	0.735	1.673
6/24/04 12:50 AM	2.475	0.686	0.743	0.812	0.686	0.692	0.844	0.733	1.67
6/24/04 1:50 AM	2.486	0.683	0.742	0.809	0.679	0.675	0.844	0.734	1.668
6/24/04 2:50 AM	2.484	0.692	0.737	0.809	0.679	0.676	0.842	0.733	1.675
6/24/04 3:50 AM	2.475	0.688	0.74	0.812	0.67	0.665	0.843	0.733	1.669
6/24/04 4:50 AM	2.479	0.687	0.742	0.811	0.675	0.673	0.843	0.733	1.672
6/24/04 5:50 AM	2.508	0.703	0.741	0.813	0.681	0.677	0.844	0.734	1.684
6/24/04 6:50 AM	2.486	0.696	0.75	0.818	0.681	0.685	0.846	0.738	1.68
6/24/04 7:50 AM	2.499	0.716	0.753	0.815	0.683	0.673	0.848	0.736	1.689
6/24/04 8:50 AM	2.463	0.705	0.749	0.814	0.684	0.683	0.852	0.74	1.689
6/24/04 9:50 AM	2.497	0.698	0.753	0.815	0.684	0.68	0.85	0.741	1.699
6/24/04 10:50 AM	2.507	0.69	0.748	0.817	0.683	0.684	0.85	0.741	1.684
6/24/04 11:50 AM	2.495	0.69	0.744	0.816	0.698	0.7	0.851	0.742	1.69
6/24/04 12:50 PM	2.512	0.687	0.749	0.817	0.689	0.683	0.85	0.739	1.689
6/24/04 1:50 PM	2.513	0.685	0.741	0.817	0.68	0.683	0.851	0.741	1.683
6/24/04 2:50 PM	2.452	0.691	0.744	0.82	0.681	0.683	0.85	0.741	1.693
6/24/04 3:50 PM	2.511	0.694	0.747	0.813	0.682	0.683	0.849	0.739	1.686
6/24/04 4:50 PM	2.498	0.699	0.745	0.815	0.693	0.695	0.849	0.738	1.685
6/24/04 5:50 PM	2.465	0.692	0.748	0.819	0.691	0.693	0.849	0.738	1.677
6/24/04 6:50 PM	2.503	0.685	0.743	0.814	0.697	0.698	0.848	0.738	1.682
6/24/04 7:50 PM	2.486	0.693	0.738	0.812	0.684	0.679	0.848	0.739	1.683
6/24/04 8:50 PM	2.486	0.68	0.741	0.812	0.675	0.676	0.845	0.737	1.667
6/24/04 9:50 PM	2.496	0.686	0.74	0.813	0.679	0.675	0.844	0.735	1.672
6/24/04 10:50 PM	2.481	0.682	0.744	0.81	0.678	0.675	0.844	0.735	1.668
6/24/04 11:20 PM	2.478	0.688	0.74	0.81	0.68	0.675	0.843	0.734	1.678
6/25/04 12:20 AM	2.48	0.69	0.741	0.809	0.681	0.681	0.844	0.735	1.671
6/25/04 1:20 AM	2.493	0.688	0.735	0.81	0.682	0.678	0.845	0.736	1.674
6/25/04 2:20 AM	2.49	0.688	0.737	0.809	0.677	0.676	0.842	0.734	1.671

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
6/25/04 3:20 AM	2.474	0.69	0.741	0.809	0.678	0.677	0.844	0.735	1.668
6/25/04 4:20 AM	2.492	0.683	0.742	0.809	0.677	0.675	0.842	0.734	1.666
6/25/04 5:20 AM	2.481	0.693	0.739	0.814	0.676	0.675	0.843	0.735	1.671
6/25/04 6:20 AM	2.509	0.685	0.741	0.815	0.69	0.692	0.844	0.736	1.679
6/25/04 7:20 AM	2.494	0.694	0.745	0.815	0.682	0.678	0.847	0.739	1.682
6/25/04 8:20 AM	2.503	0.683	0.743	0.819	0.681	0.679	0.849	0.74	1.678
6/25/04 9:20 AM	2.492	0.694	0.744	0.819	0.687	0.68	0.849	0.741	1.696
6/25/04 10:20 AM	2.49	0.689	0.743	0.817	0.683	0.68	0.85	0.74	1.683
6/25/04 11:20 AM	2.531	0.699	0.744	0.816	0.689	0.689	0.85	0.742	1.683
6/25/04 12:20 PM	2.514	0.688	0.743	0.817	0.683	0.684	0.849	0.741	1.686
6/25/04 1:20 PM	2.501	0.69	0.745	0.818	0.689	0.687	0.85	0.741	1.685
6/25/04 2:20 PM	2.516	0.685	0.746	0.819	0.683	0.683	0.85	0.743	1.683
6/25/04 3:20 PM	2.501	0.692	0.753	0.821	0.687	0.684	0.849	0.74	1.678
6/25/04 4:20 PM	2.468	0.692	0.747	0.817	0.679	0.682	0.848	0.738	1.678
6/25/04 5:20 PM	2.535	0.686	0.737	0.816	0.687	0.681	0.848	0.741	1.685
6/25/04 6:20 PM	2.482	0.673	0.754	0.818	0.682	0.674	0.847	0.739	1.661
6/25/04 7:20 PM	2.481	0.69	0.75	0.817	0.678	0.677	0.846	0.737	1.669
6/25/04 8:20 PM	2.482	0.694	0.739	0.814	0.679	0.677	0.845	0.738	1.672
6/25/04 9:20 PM	2.48	0.692	0.735	0.809	0.679	0.677	0.843	0.735	1.675
6/25/04 10:20 PM	2.468	0.687	0.74	0.81	0.679	0.674	0.843	0.735	1.671
6/25/04 11:20 PM	2.481	0.691	0.737	0.809	0.676	0.675	0.843	0.735	1.667
6/26/04 12:20 AM	2.482	0.69	0.737	0.811	0.678	0.674	0.845	0.738	1.674
6/26/04 1:20 AM	2.472	0.684	0.738	0.812	0.676	0.672	0.842	0.735	1.667
6/26/04 2:20 AM	2.482	0.682	0.74	0.812	0.678	0.679	0.842	0.735	1.662
6/26/04 3:10 AM	2.479	0.691	0.739	0.808	0.687	0.691	0.842	0.733	1.666
6/26/04 4:10 AM	2.489	0.689	0.735	0.809	0.69	0.691	0.841	0.734	1.666
6/26/04 5:10 AM	2.474	0.688	0.742	0.808	0.686	0.687	0.841	0.733	1.667
6/26/04 6:10 AM	2.458	0.694	0.746	0.807	0.686	0.697	0.846	0.738	1.669
6/26/04 7:10 AM	2.485	0.697	0.745	0.818	0.696	0.706	0.849	0.74	1.689
6/26/04 8:10 AM	2.53	0.685	0.742	0.816	0.702	0.704	0.848	0.741	1.678
6/26/04 9:10 AM	2.471	0.695	0.749	0.82	0.694	0.699	0.852	0.745	1.682
6/26/04 10:10 AM	2.506	0.692	0.747	0.82	0.696	0.699	0.849	0.741	1.677
6/26/04 11:10 AM	2.495	0.693	0.751	0.82	0.692	0.691	0.85	0.74	1.669
6/26/04 12:10 PM	2.489	0.689	0.748	0.817	0.681	0.68	0.85	0.742	1.674
6/26/04 1:10 PM	2.468	0.691	0.761	0.818	0.684	0.68	0.85	0.743	1.683
6/26/04 2:10 PM	2.471	0.7	0.76	0.814	0.681	0.681	0.851	0.742	1.696
6/26/04 3:10 PM	2.481	0.689	0.75	0.821	0.677	0.679	0.852	0.742	1.669
6/26/04 4:10 PM	2.482	0.687	0.745	0.822	0.683	0.678	0.85	0.742	1.676
6/26/04 5:10 PM	2.474	0.692	0.746	0.819	0.681	0.678	0.85	0.742	1.679
6/26/04 6:10 PM	2.53	0.69	0.743	0.827	0.691	0.678	0.85	0.741	1.681
6/26/04 7:10 PM	2.517	0.689	0.751	0.816	0.676	0.676	0.852	0.745	1.659
6/26/04 8:10 PM	2.477	0.694	0.74	0.81	0.683	0.68	0.845	0.737	1.671

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
6/26/04 9:10 PM	2.467	0.693	0.744	0.811	0.678	0.675	0.844	0.737	1.668
6/26/04 10:10 PM	2.473	0.693	0.742	0.812	0.678	0.674	0.845	0.739	1.669
6/26/04 11:10 PM	2.484	0.686	0.738	0.814	0.675	0.673	0.843	0.736	1.662
6/27/04 12:10 AM	2.475	0.681	0.739	0.814	0.676	0.673	0.843	0.736	1.661
6/27/04 1:10 AM	2.478	0.687	0.742	0.813	0.676	0.672	0.844	0.736	1.662
6/27/04 2:10 AM	2.49	0.683	0.741	0.812	0.675	0.672	0.844	0.737	1.66
6/27/04 3:10 AM	2.481	0.691	0.738	0.812	0.677	0.677	0.842	0.735	1.666
6/27/04 4:10 AM	2.469	0.69	0.742	0.812	0.674	0.67	0.842	0.735	1.665
6/27/04 5:10 AM	2.484	0.683	0.742	0.813	0.669	0.661	0.842	0.734	1.658
6/27/04 6:10 AM	2.487	0.691	0.73	0.817	0.671	0.66	0.844	0.739	1.684
6/27/04 7:10 AM	2.507	0.691	0.746	0.818	0.675	0.671	0.847	0.741	1.672
6/27/04 8:10 AM	2.508	0.69	0.746	0.816	0.674	0.662	0.849	0.742	1.673
6/27/04 9:10 AM	2.478	0.695	0.747	0.816	0.677	0.666	0.849	0.741	1.68
6/27/04 10:10 AM	2.493	0.692	0.749	0.816	0.674	0.67	0.852	0.745	1.668
6/27/04 11:10 AM	2.487	0.697	0.748	0.821	0.676	0.669	0.849	0.742	1.678
6/27/04 12:10 PM	2.469	0.688	0.752	0.819	0.677	0.672	0.85	0.742	1.671
6/27/04 12:40 PM	2.484	0.697	0.748	0.819	0.676	0.673	0.85	0.741	1.677
6/27/04 1:40 PM	2.504	0.697	0.743	0.819	0.683	0.677	0.849	0.742	1.683
6/27/04 2:40 PM	2.484	0.7	0.744	0.821	0.679	0.675	0.85	0.743	1.681
6/27/04 3:40 PM	2.516	0.689	0.752	0.817	0.682	0.674	0.85	0.742	1.676
6/27/04 4:40 PM	2.506	0.689	0.75	0.817	0.68	0.674	0.85	0.743	1.671
6/27/04 5:40 PM	2.483	0.697	0.748	0.82	0.681	0.675	0.849	0.742	1.677
6/27/04 6:40 PM	2.491	0.69	0.747	0.82	0.683	0.678	0.849	0.742	1.677
6/27/04 7:40 PM	2.501	0.693	0.744	0.817	0.68	0.673	0.846	0.74	1.677
6/27/04 8:40 PM	2.456	0.682	0.745	0.817	0.673	0.67	0.846	0.739	1.656
6/27/04 9:40 PM	2.496	0.695	0.74	0.814	0.675	0.669	0.844	0.737	1.67
6/27/04 10:40 PM	2.472	0.688	0.741	0.816	0.669	0.657	0.845	0.738	1.663
6/27/04 11:40 PM	2.468	0.693	0.742	0.814	0.675	0.668	0.843	0.737	1.665
6/28/04 12:40 AM	2.476	0.685	0.742	0.815	0.676	0.672	0.843	0.737	1.657
6/28/04 1:40 AM	2.473	0.693	0.742	0.811	0.676	0.67	0.843	0.735	1.665
6/28/04 2:40 AM	2.465	0.69	0.742	0.812	0.678	0.677	0.843	0.737	1.661
6/28/04 3:40 AM	2.472	0.69	0.744	0.811	0.676	0.668	0.843	0.736	1.664
6/28/04 4:40 AM	2.468	0.691	0.741	0.815	0.67	0.662	0.842	0.737	1.658
6/28/04 5:40 AM	2.465	0.684	0.745	0.815	0.675	0.669	0.844	0.738	1.658
6/28/04 6:40 AM	2.498	0.689	0.742	0.814	0.678	0.669	0.845	0.739	1.666
6/28/04 7:40 AM	2.497	0.689	0.751	0.82	0.676	0.669	0.847	0.74	1.665
6/28/04 8:40 AM	2.465	0.695	0.75	0.82	0.678	0.672	0.848	0.742	1.67
6/28/04 9:40 AM	2.469	0.688	0.755	0.821	0.678	0.674	0.849	0.744	1.674
6/28/04 10:40 AM	2.463	0.691	0.749	0.82	0.676	0.673	0.849	0.742	1.672
6/28/04 11:40 AM	2.475	0.697	0.746	0.819	0.68	0.674	0.849	0.742	1.678
6/28/04 12:40 PM	2.492	0.69	0.753	0.822	0.672	0.663	0.849	0.742	1.668
6/28/04 1:40 PM	2.486	0.697	0.751	0.816	0.681	0.673	0.849	0.743	1.68

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
6/28/04 2:40 PM	2.44	0.69	0.755	0.821	0.675	0.674	0.85	0.744	1.663
6/28/04 3:40 PM	2.497	0.696	0.748	0.823	0.681	0.674	0.85	0.744	1.678
6/28/04 4:40 PM	2.452	0.698	0.749	0.82	0.685	0.682	0.854	0.746	1.68
6/28/04 5:40 PM	2.481	0.689	0.75	0.817	0.676	0.665	0.85	0.744	1.668
6/28/04 6:40 PM	2.459	0.699	0.743	0.82	0.685	0.687	0.848	0.741	1.673
6/28/04 7:40 PM	2.497	0.695	0.745	0.819	0.689	0.688	0.848	0.743	1.671
6/28/04 8:40 PM	2.489	0.686	0.744	0.818	0.677	0.671	0.844	0.739	1.66
6/28/04 9:40 PM	2.467	0.681	0.745	0.817	0.687	0.687	0.844	0.74	1.657
6/28/04 10:10 PM	2.467	0.698	0.743	0.817	0.678	0.672	0.843	0.738	1.666
6/28/04 11:10 PM	2.443	0.696	0.744	0.811	0.676	0.67	0.843	0.736	1.662
6/29/04 12:10 AM	2.427	0.69	0.749	0.813	0.672	0.67	0.844	0.737	1.659
6/29/04 1:10 AM	2.464	0.691	0.741	0.814	0.676	0.669	0.842	0.738	1.664
6/29/04 2:10 AM	2.467	0.689	0.74	0.814	0.674	0.667	0.842	0.737	1.658
6/29/04 3:10 AM	2.457	0.694	0.738	0.814	0.674	0.667	0.843	0.739	1.662
6/29/04 4:10 AM	2.45	0.684	0.745	0.815	0.672	0.667	0.842	0.737	1.656
6/29/04 5:10 AM	2.46	0.694	0.739	0.812	0.679	0.674	0.841	0.736	1.659
6/29/04 6:10 AM	2.481	0.69	0.747	0.817	0.677	0.669	0.846	0.741	1.658
6/29/04 7:10 AM	2.471	0.692	0.752	0.82	0.677	0.671	0.846	0.742	1.665
6/29/04 8:10 AM	2.442	0.693	0.747	0.82	0.679	0.672	0.848	0.743	1.669
6/29/04 9:10 AM	2.476	0.699	0.75	0.817	0.679	0.674	0.849	0.743	1.674
6/29/04 10:10 AM	2.473	0.694	0.753	0.82	0.683	0.673	0.849	0.744	1.676
6/29/04 11:10 AM	2.445	0.697	0.753	0.82	0.684	0.684	0.849	0.743	1.672
6/29/04 12:10 PM	2.479	0.695	0.747	0.817	0.683	0.675	0.848	0.742	1.67
6/29/04 1:10 PM	2.437	0.701	0.754	0.819	0.68	0.677	0.85	0.744	1.68
6/29/04 2:10 PM	2.457	0.698	0.75	0.818	0.68	0.674	0.848	0.743	1.675
6/29/04 3:10 PM	2.477	0.7	0.744	0.819	0.678	0.674	0.848	0.742	1.673
6/29/04 4:10 PM	2.413	0.696	0.755	0.817	0.671	0.674	0.851	0.746	1.66
6/29/04 5:10 PM	2.473	0.695	0.75	0.821	0.681	0.673	0.847	0.744	1.683
6/29/04 6:10 PM	2.488	0.697	0.743	0.818	0.681	0.673	0.847	0.743	1.673
6/29/04 7:10 PM	2.438	0.7	0.744	0.818	0.676	0.668	0.846	0.741	1.667
6/29/04 8:10 PM	2.46	0.686	0.75	0.815	0.677	0.669	0.845	0.74	1.656
6/29/04 9:10 PM	2.414	0.691	0.749	0.815	0.674	0.672	0.845	0.739	1.661
6/29/04 10:10 PM	2.425	0.692	0.745	0.814	0.676	0.668	0.843	0.738	1.662
6/29/04 11:10 PM	2.41	0.694	0.748	0.813	0.674	0.668	0.843	0.738	1.658
6/30/04 12:10 AM	2.407	0.691	0.748	0.814	0.675	0.668	0.842	0.738	1.659
6/30/04 1:10 AM	2.429	0.692	0.744	0.814	0.676	0.673	0.843	0.739	1.656
6/30/04 2:10 AM	2.417	0.694	0.747	0.813	0.677	0.671	0.842	0.738	1.66
6/30/04 3:10 AM	2.426	0.695	0.742	0.81	0.676	0.668	0.841	0.737	1.66
6/30/04 4:10 AM	2.409	0.694	0.747	0.811	0.673	0.669	0.842	0.737	1.654
6/30/04 5:10 AM	2.405	0.697	0.746	0.812	0.674	0.669	0.842	0.737	1.659
6/30/04 6:10 AM	2.384	0.687	0.75	0.816	0.672	0.669	0.843	0.74	1.65
6/30/04 7:10 AM	2.427	0.695	0.75	0.817	0.681	0.674	0.868	0.752	1.668

**Soil Moisture Sensor Raw Data (GS MW-1)
 Green Spot Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]								
	Sensor Depth, [ft bgs]								
	95	85	75	65	55	45	35	25	15
6/30/04 7:40 AM	2.434	0.701	0.746	0.815	0.681	0.674	0.845	0.742	1.667
6/30/04 8:40 AM	2.418	0.697	0.744	0.818	0.684	0.677	0.847	0.743	1.672
6/30/04 9:40 AM	2.398	0.69	0.754	0.822	0.679	0.673	0.86	0.749	1.669
6/30/04 10:40 AM	2.406	0.705	0.749	0.821	0.681	0.674	0.839	0.741	1.679
6/30/04 11:40 AM	2.366	0.698	0.754	0.819	0.678	0.674	0.848	0.744	1.664
6/30/04 12:40 PM	2.402	0.689	0.75	0.817	0.68	0.672	0.847	0.743	1.67
6/30/04 1:40 PM	2.398	0.695	0.751	0.82	0.68	0.673	0.849	0.744	1.672
6/30/04 2:40 PM	2.369	0.702	0.753	0.818	0.68	0.677	0.849	0.745	1.673
6/30/04 3:40 PM	2.382	0.697	0.752	0.821	0.678	0.675	0.848	0.745	1.662
6/30/04 4:40 PM	2.363	0.699	0.754	0.823	0.68	0.675	0.849	0.745	1.671
6/30/04 5:40 PM	2.392	0.703	0.75	0.82	0.676	0.671	0.847	0.743	1.669
6/30/04 6:40 PM	2.337	0.694	0.752	0.819	0.673	0.671	0.847	0.742	1.665
6/30/04 7:40 PM	2.349	0.698	0.743	0.813	0.676	0.671	0.844	0.741	1.67
6/30/04 8:40 PM	2.359	0.697	0.748	0.818	0.675	0.67	0.842	0.741	1.658
6/30/04 9:40 PM	2.333	0.69	0.743	0.821	0.675	0.67	0.842	0.74	1.656
6/30/04 10:40 PM	2.354	0.692	0.755	0.815	0.676	0.669	0.842	0.739	1.655
6/30/04 11:40 PM	2.329	0.685	0.749	0.815	0.674	0.668	0.841	0.74	1.654
7/1/04 12:40 AM	2.34	0.694	0.744	0.816	0.674	0.668	0.841	0.739	1.656
7/1/04 1:40 AM	2.331	0.696	0.748	0.813	0.673	0.668	0.841	0.738	1.655
7/1/04 2:40 AM	2.333	0.692	0.743	0.817	0.673	0.666	0.841	0.739	1.659
7/1/04 3:40 AM	2.313	0.694	0.749	0.815	0.673	0.667	0.842	0.738	1.654
7/1/04 4:40 AM	2.335	0.695	0.747	0.813	0.675	0.669	0.841	0.738	1.657
7/1/04 5:40 AM	2.346	0.695	0.743	0.815	0.674	0.668	0.841	0.74	1.664
7/1/04 6:40 AM	2.349	0.698	0.742	0.819	0.679	0.67	0.868	0.755	1.668
7/1/04 7:40 AM	2.339	0.692	0.751	0.818	0.678	0.671	0.883	0.764	1.662
7/1/04 8:40 AM	2.354	0.695	0.746	0.82	0.683	0.677	0.881	0.764	1.672

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
2/25/04 11:00 AM	0.424	0.793	2.711	1.000	0.732	0.252	1.560
2/25/04 12:00 PM	0.424	0.800	2.785	1.004	0.737	0.256	1.563
2/25/04 1:00 PM	0.423	0.807	2.811	1.004	0.738	0.257	1.567
2/25/04 2:00 PM	0.423	0.798	2.783	0.996	0.739	0.257	1.560
2/25/04 3:00 PM	0.422	0.791	2.741	1.002	0.740	0.250	1.566
2/25/04 4:00 PM	0.422	0.805	2.736	1.003	0.739	0.257	1.563
2/25/04 5:00 PM	0.421	0.801	2.775	0.999	0.741	0.256	1.560
2/25/04 6:30 PM	0.422	0.792	2.777	0.991	0.739	0.261	1.554
2/25/04 7:30 PM	0.420	0.794	2.729	0.997	0.741	0.261	1.550
2/25/04 8:30 PM	0.421	0.816	2.687	1.001	0.745	0.257	1.562
2/25/04 9:30 PM	0.420	0.796	2.703	1.011	0.746	0.255	1.559
2/25/04 10:30 PM	0.420	0.811	2.679	1.003	0.745	0.258	1.554
2/25/04 11:30 PM	0.420	0.802	2.675	1.005	0.746	0.254	1.557
2/26/04 1:00 AM	0.419	0.775	2.670	1.006	0.746	0.253	1.556
2/26/04 2:00 AM	0.419	0.803	2.653	1.001	0.746	0.256	1.558
2/26/04 3:00 AM	0.419	0.795	2.638	1.008	0.745	0.249	1.565
2/26/04 4:00 AM	0.417	0.788	2.646	1.006	0.748	0.252	1.560
2/26/04 5:00 AM	0.419	0.779	2.608	1.012	0.750	0.252	1.561
2/26/04 6:00 AM	0.418	0.805	2.568	1.012	0.750	0.248	1.562
2/26/04 7:30 AM	0.417	0.800	2.567	1.007	0.749	0.247	1.560
2/26/04 8:30 AM	0.419	0.805	2.560	1.013	0.752	0.250	1.561
2/26/04 9:30 AM	0.417	0.791	2.570	1.007	0.758	0.252	1.564
2/26/04 10:30 AM	0.419	0.788	2.621	1.008	0.756	0.256	1.571
2/26/04 11:30 AM	0.429	0.794	2.609	1.025	0.760	0.251	1.574
2/26/04 12:30 PM	0.418	0.784	2.559	1.027	0.760	0.249	1.567
2/26/04 2:00 PM	0.417	0.783	2.550	1.031	0.761	0.249	1.567
2/26/04 3:00 PM	0.417	0.777	2.580	1.027	0.762	0.250	1.574
2/26/04 4:00 PM	0.427	0.776	2.542	1.027	0.764	0.250	1.573
2/26/04 5:00 PM	0.416	0.786	2.528	1.029	0.766	0.244	1.577
2/26/04 6:00 PM	0.417	0.802	2.525	1.017	0.766	0.249	1.570
2/26/04 7:00 PM	0.419	0.781	2.529	1.030	0.762	0.251	1.569
2/26/04 8:30 PM	0.419	0.793	2.554	1.016	0.765	0.255	1.571
2/26/04 9:30 PM	0.416	0.773	2.534	1.033	0.765	0.248	1.576
2/26/04 10:30 PM	0.415	0.805	2.514	1.029	0.768	0.248	1.574
2/26/04 11:30 PM	0.416	0.798	2.509	1.025	0.769	0.252	1.569
2/27/04 12:30 AM	0.415	0.797	2.487	1.027	0.768	0.248	1.582
2/27/04 1:30 AM	0.414	0.790	2.473	1.024	0.772	0.251	1.578
2/27/04 3:00 AM	0.414	0.804	2.446	1.031	0.771	0.248	1.574
2/27/04 4:00 AM	0.415	0.791	2.430	1.028	0.773	0.250	1.564
2/27/04 5:00 AM	0.415	0.792	2.405	1.028	0.771	0.245	1.599
2/27/04 6:00 AM	0.415	0.808	2.416	1.026	0.774	0.245	1.570
2/27/04 7:00 AM	0.415	0.772	2.412	1.022	0.775	0.244	1.574

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
2/27/04 8:00 AM	0.415	0.779	2.416	1.040	0.776	0.244	1.581
2/27/04 9:30 AM	0.415	0.799	2.471	1.028	0.780	0.255	1.586
2/27/04 10:30 AM	0.417	0.805	2.484	1.028	0.786	0.256	1.586
2/27/04 11:30 AM	0.419	0.802	2.504	1.032	0.788	0.258	1.589
2/27/04 12:30 PM	0.415	0.805	2.462	1.048	0.787	0.255	1.588
2/27/04 1:30 PM	0.415	0.811	2.443	1.041	0.790	0.248	1.591
2/27/04 2:30 PM	0.415	0.796	2.428	1.034	0.790	0.246	1.592
2/27/04 4:00 PM	0.419	0.800	2.445	1.045	0.793	0.253	1.594
2/27/04 5:00 PM	0.417	0.823	2.446	1.042	0.790	0.250	1.584
2/27/04 6:00 PM	0.414	0.792	2.399	1.044	0.792	0.244	1.589
2/27/04 7:00 PM	0.413	0.798	2.354	1.047	0.792	0.246	1.583
2/27/04 8:00 PM	0.416	0.819	2.355	1.038	0.789	0.249	1.580
2/27/04 9:00 PM	0.411	0.791	2.310	1.041	0.793	0.240	1.587
2/27/04 10:30 PM	0.413	0.784	2.313	1.040	0.801	0.243	1.585
2/27/04 11:30 PM	0.424	0.789	2.273	1.037	0.795	0.237	1.593
2/28/04 12:30 AM	0.415	0.803	2.262	1.039	0.793	0.241	1.578
2/28/04 1:30 AM	0.410	0.805	2.251	1.035	0.794	0.243	1.580
2/28/04 2:30 AM	0.410	0.782	2.273	1.045	0.795	0.240	1.586
2/28/04 3:30 AM	0.411	0.802	2.268	1.038	0.800	0.244	1.579
2/28/04 5:00 AM	0.410	0.803	2.241	1.046	0.799	0.240	1.586
2/28/04 6:00 AM	0.414	0.800	2.259	1.041	0.801	0.244	1.589
2/28/04 7:00 AM	0.414	0.789	2.265	1.045	0.799	0.241	1.593
2/28/04 8:00 AM	0.412	0.789	2.255	1.056	0.801	0.243	1.595
2/28/04 9:00 AM	0.415	0.806	2.273	1.051	0.807	0.246	1.605
2/28/04 10:00 AM	0.415	0.817	2.367	1.064	0.812	0.255	1.619
2/28/04 11:30 AM	0.418	0.812	2.382	1.069	0.816	0.247	1.622
2/28/04 12:30 PM	0.413	0.808	2.369	1.059	0.816	0.255	1.603
2/28/04 1:30 PM	0.415	0.802	2.400	1.071	0.814	0.249	1.614
2/28/04 2:30 PM	0.413	0.815	2.376	1.075	0.815	0.254	1.609
2/28/04 3:30 PM	0.421	0.816	2.398	1.071	0.821	0.255	1.615
2/28/04 4:30 PM	0.416	0.840	2.352	1.073	0.822	0.251	1.624
2/28/04 6:00 PM	0.412	0.815	2.344	1.055	0.820	0.246	1.606
2/28/04 7:00 PM	0.410	0.827	2.274	1.060	0.823	0.243	1.600
2/28/04 8:00 PM	0.418	0.797	2.193	1.061	0.823	0.244	1.589
2/28/04 9:00 PM	0.410	0.806	2.176	1.073	0.827	0.238	1.608
2/28/04 10:00 PM	0.416	0.819	2.194	1.067	0.829	0.242	1.600
2/28/04 11:00 PM	0.416	0.809	2.222	1.070	0.827	0.241	1.604
2/29/04 12:30 AM	0.411	0.816	2.181	1.073	0.831	0.241	1.600
2/29/04 1:30 AM	0.410	0.805	2.178	1.068	0.833	0.238	1.601
2/29/04 2:30 AM	0.409	0.808	2.182	1.057	0.831	0.238	1.603
2/29/04 3:30 AM	0.409	0.816	2.167	1.061	0.836	0.239	1.602
2/29/04 4:30 AM	0.416	0.808	2.181	1.059	0.837	0.242	1.590

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
2/29/04 5:30 AM	0.409	0.798	2.167	1.065	0.838	0.241	1.590
2/29/04 7:00 AM	0.408	0.814	2.179	1.065	0.840	0.239	1.599
2/29/04 8:00 AM	0.409	0.792	2.181	1.068	0.844	0.239	1.605
2/29/04 9:00 AM	0.411	0.815	2.197	1.081	0.850	0.244	1.623
2/29/04 10:00 AM	0.423	0.827	2.330	1.085	0.861	0.249	1.624
2/29/04 11:00 AM	0.425	0.844	2.305	1.091	0.861	0.249	1.629
2/29/04 12:00 PM	0.425	0.812	2.298	1.091	0.861	0.249	1.622
2/29/04 1:30 PM	0.418	0.838	2.275	1.087	0.866	0.248	1.619
2/29/04 2:30 PM	0.422	0.830	2.262	1.098	0.868	0.249	1.623
2/29/04 3:30 PM	0.418	0.849	2.302	1.091	0.867	0.251	1.629
2/29/04 4:30 PM	0.424	0.835	2.324	1.085	0.868	0.249	1.625
2/29/04 5:30 PM	0.415	0.823	2.316	1.082	0.867	0.251	1.630
2/29/04 6:30 PM	0.411	0.849	2.285	1.089	0.868	0.248	1.620
2/29/04 8:00 PM	0.412	0.856	2.289	1.084	0.867	0.247	1.615
2/29/04 9:00 PM	0.410	0.825	2.203	1.097	0.871	0.243	1.613
2/29/04 10:00 PM	0.413	0.835	2.234	1.087	0.868	0.249	1.610
2/29/04 11:00 PM	0.411	0.828	2.212	1.094	0.870	0.242	1.614
3/1/04 12:00 AM	0.413	0.816	2.206	1.093	0.870	0.242	1.611
3/1/04 1:00 AM	0.411	0.831	2.202	1.088	0.872	0.243	1.612
3/1/04 2:30 AM	0.412	0.825	2.214	1.086	0.876	0.244	1.610
3/1/04 3:30 AM	0.414	0.835	2.206	1.090	0.874	0.242	1.618
3/1/04 4:30 AM	0.412	0.821	2.186	1.081	0.878	0.246	1.608
3/1/04 5:30 AM	0.410	0.832	2.195	1.095	0.879	0.242	1.612
3/1/04 6:30 AM	0.411	0.844	2.182	1.095	0.880	0.244	1.621
3/1/04 7:30 AM	0.416	0.845	2.194	1.093	0.882	0.247	1.615
3/1/04 9:00 AM	0.412	0.852	2.218	1.108	0.888	0.247	1.625
3/1/04 10:00 AM	0.413	0.845	2.296	1.107	0.891	0.254	1.637
3/1/04 11:00 AM	0.411	0.851	2.293	1.104	0.895	0.253	1.628
3/1/04 12:00 PM	0.413	0.833	2.288	1.111	0.892	0.249	1.642
3/1/04 1:00 PM	0.418	0.827	2.314	1.104	0.892	0.251	1.639
3/1/04 2:00 PM	0.411	0.862	2.261	1.111	0.894	0.251	1.640
3/1/04 3:30 PM	0.412	0.846	2.288	1.105	0.898	0.250	1.632
3/1/04 4:30 PM	0.410	0.838	2.268	1.115	0.897	0.249	1.634
3/1/04 5:30 PM	0.414	0.848	2.287	1.109	0.897	0.250	1.637
3/1/04 6:30 PM	0.410	0.861	2.288	1.094	0.898	0.251	1.632
3/1/04 7:30 PM	0.424	0.839	2.281	1.102	0.898	0.248	1.634
3/1/04 8:30 PM	0.408	0.840	2.261	1.112	0.897	0.248	1.637
3/1/04 10:00 PM	0.426	0.846	2.239	1.111	0.904	0.247	1.630
3/1/04 11:00 PM	0.425	0.849	2.268	1.110	0.900	0.249	1.633
3/2/04 12:00 AM	0.425	0.858	2.253	1.110	0.904	0.249	1.631
3/2/04 1:00 AM	0.422	0.847	2.262	1.113	0.904	0.250	1.634
3/2/04 2:00 AM	0.424	0.855	2.261	1.114	0.907	0.248	1.633

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
3/2/04 3:00 AM	0.425	0.859	2.249	1.115	0.905	0.248	1.634
3/2/04 4:30 AM	0.423	0.845	2.223	1.116	0.909	0.247	1.641
3/2/04 5:30 AM	0.425	0.841	2.253	1.112	0.895	0.249	1.651
3/2/04 6:30 AM	0.426	0.838	2.258	1.122	0.899	0.247	1.654
3/2/04 7:30 AM	0.424	0.832	2.227	1.115	0.912	0.248	1.651
3/2/04 8:30 AM	0.422	0.836	2.221	1.126	0.912	0.247	1.664
3/2/04 9:30 AM	0.425	0.861	2.288	1.128	0.921	0.253	1.681
3/2/04 11:00 AM	0.429	0.866	2.315	1.133	0.924	0.257	1.670
3/2/04 12:00 PM	0.427	0.860	2.315	1.132	0.923	0.256	1.656
3/2/04 1:00 PM	0.419	0.859	2.285	1.139	0.923	0.252	1.669
3/2/04 2:00 PM	0.418	0.853	2.280	1.135	0.924	0.255	1.655
3/2/04 3:00 PM	0.415	0.843	2.296	1.135	0.923	0.251	1.649
3/2/04 4:00 PM	0.414	0.852	2.260	1.136	0.924	0.251	1.650
3/2/04 5:30 PM	0.412	0.868	2.246	1.132	0.921	0.252	1.641
3/2/04 6:30 PM	0.414	0.847	2.231	1.138	0.921	0.248	1.646
3/2/04 7:30 PM	0.413	0.855	2.250	1.132	0.923	0.247	1.647
3/2/04 8:30 PM	0.413	0.854	2.220	1.129	0.924	0.250	1.650
3/2/04 9:30 PM	0.411	0.861	2.188	1.136	0.926	0.251	1.650
3/2/04 10:30 PM	0.410	0.839	2.219	1.129	0.925	0.249	1.651
3/3/04 12:00 AM	0.412	0.851	2.188	1.135	0.927	0.243	1.653
3/3/04 1:00 AM	0.411	0.855	2.197	1.135	0.929	0.245	1.647
3/3/04 2:00 AM	0.411	0.848	2.160	1.135	0.931	0.243	1.651
3/3/04 3:00 AM	0.412	0.859	2.164	1.127	0.932	0.247	1.644
3/3/04 4:00 AM	0.412	0.847	2.164	1.135	0.931	0.246	1.651
3/3/04 5:00 AM	0.411	0.845	2.180	1.141	0.931	0.244	1.653
3/3/04 6:30 AM	0.415	0.853	2.172	1.135	0.933	0.244	1.654
3/3/04 7:30 AM	0.413	0.845	2.156	1.137	0.941	0.247	1.649
3/3/04 8:30 AM	0.414	0.853	2.163	1.139	0.937	0.248	1.655
3/3/04 9:30 AM	0.414	0.864	2.187	1.145	0.942	0.248	1.658
3/3/04 10:30 AM	0.414	0.859	2.235	1.150	0.944	0.248	1.668
3/3/04 11:30 AM	0.415	0.866	2.267	1.146	0.949	0.251	1.668
3/3/04 1:00 PM	0.415	0.854	2.267	1.158	0.943	0.250	1.669
3/3/04 2:00 PM	0.414	0.876	2.272	1.146	0.948	0.252	1.670
3/3/04 3:00 PM	0.415	0.880	2.230	1.155	0.950	0.253	1.666
3/3/04 4:00 PM	0.416	0.868	2.244	1.163	0.954	0.252	1.676
3/3/04 5:00 PM	0.412	0.865	2.275	1.155	0.948	0.254	1.672
3/3/04 6:00 PM	0.411	0.859	2.246	1.157	0.949	0.251	1.666
3/3/04 7:30 PM	0.410	0.881	2.221	1.152	0.949	0.250	1.663
3/3/04 8:30 PM	0.410	0.878	2.213	1.150	0.949	0.249	1.666
3/3/04 9:30 PM	0.410	0.858	2.200	1.159	0.949	0.247	1.667
3/3/04 10:30 PM	0.408	0.865	2.128	1.156	0.950	0.245	1.663
3/3/04 11:30 PM	0.409	0.869	2.114	1.153	0.951	0.245	1.660

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
3/4/04 12:30 AM	0.426	0.856	2.116	1.156	0.956	0.245	1.659
3/4/04 2:00 AM	0.408	0.863	2.109	1.153	0.958	0.243	1.660
3/4/04 3:00 AM	0.414	0.865	2.106	1.152	0.958	0.244	1.660
3/4/04 4:00 AM	0.411	0.857	2.093	1.155	0.960	0.244	1.658
3/4/04 5:00 AM	0.420	0.862	2.087	1.151	0.962	0.241	1.660
3/4/04 6:00 AM	0.413	0.859	2.084	1.144	0.961	0.240	1.660
3/4/04 7:00 AM	0.409	0.871	2.052	1.149	0.963	0.239	1.658
3/4/04 8:30 AM	0.409	0.866	2.068	1.159	0.968	0.239	1.678
3/4/04 9:30 AM	0.410	0.861	2.221	1.174	0.973	0.249	1.688
3/4/04 10:30 AM	0.413	0.877	2.264	1.161	0.979	0.255	1.694
3/4/04 11:30 AM	0.415	0.894	2.211	1.178	0.979	0.252	1.686
3/4/04 12:30 PM	0.408	0.868	2.244	1.179	0.979	0.250	1.685
3/4/04 1:30 PM	0.415	0.889	2.210	1.172	0.982	0.250	1.684
3/4/04 3:00 PM	0.415	0.891	2.195	1.177	0.984	0.251	1.683
3/4/04 4:00 PM	0.411	0.874	2.240	1.180	0.989	0.250	1.690
3/4/04 5:00 PM	0.413	0.883	2.222	1.182	0.985	0.248	1.688
3/4/04 6:00 PM	0.411	0.866	2.164	1.178	0.986	0.246	1.689
3/4/04 7:00 PM	0.408	0.873	2.181	1.172	0.983	0.251	1.687
3/4/04 8:00 PM	0.408	0.887	2.189	1.173	0.986	0.248	1.682
3/4/04 9:30 PM	0.409	0.875	2.152	1.171	0.985	0.244	1.683
3/4/04 10:30 PM	0.407	0.874	2.093	1.177	0.988	0.245	1.684
3/4/04 11:30 PM	0.408	0.872	2.070	1.170	0.988	0.239	1.682
3/5/04 12:30 AM	0.420	0.863	2.037	1.170	0.988	0.238	1.676
3/5/04 1:30 AM	0.410	0.862	2.016	1.162	0.988	0.238	1.676
3/5/04 2:30 AM	0.412	0.856	1.964	1.167	0.990	0.235	1.704
3/5/04 4:00 AM	0.409	0.859	1.922	1.167	0.991	0.233	1.671
3/5/04 5:00 AM	0.413	0.852	1.942	1.164	0.990	0.231	1.672
3/5/04 6:00 AM	0.405	0.853	1.938	1.166	0.989	0.232	1.680
3/5/04 7:00 AM	0.407	0.862	1.973	1.171	0.993	0.234	1.676
3/5/04 8:00 AM	0.413	0.852	1.997	1.182	0.999	0.236	1.682
3/5/04 9:00 AM	0.409	0.873	2.087	1.187	1.004	0.242	1.693
3/5/04 10:30 AM	0.412	0.894	2.184	1.200	1.014	0.247	1.701
3/5/04 11:30 AM	0.412	0.878	2.175	1.203	1.015	0.241	1.705
3/5/04 12:30 PM	0.411	0.897	2.196	1.196	1.013	0.250	1.699
3/5/04 1:30 PM	0.412	0.888	2.196	1.195	1.016	0.250	1.696
3/5/04 2:30 PM	0.412	0.896	2.172	1.211	1.019	0.244	1.707
3/5/04 3:30 PM	0.413	0.909	2.182	1.206	1.022	0.243	1.713
3/5/04 5:00 PM	0.413	0.889	2.180	1.215	1.019	0.247	1.713
3/5/04 6:00 PM	0.412	0.882	2.172	1.203	1.016	0.248	1.710
3/5/04 7:00 PM	0.409	0.874	2.141	1.208	1.016	0.244	1.707
3/5/04 8:00 PM	0.406	0.885	2.175	1.204	1.017	0.246	1.694
3/5/04 9:00 PM	0.408	0.874	2.166	1.193	1.015	0.245	1.691

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
3/5/04 10:00 PM	0.408	0.896	2.106	1.199	1.017	0.243	1.683
3/5/04 11:30 PM	0.409	0.874	2.095	1.187	1.020	0.240	1.709
3/6/04 12:30 AM	0.407	0.886	2.094	1.195	1.019	0.243	1.696
3/6/04 1:30 AM	0.408	0.865	2.084	1.200	1.020	0.240	1.691
3/6/04 2:30 AM	0.408	0.872	2.050	1.197	1.019	0.238	1.687
3/6/04 3:30 AM	0.407	0.862	2.016	1.193	1.021	0.240	1.691
3/6/04 4:30 AM	0.408	0.878	2.000	1.198	1.022	0.238	1.687
3/6/04 6:00 AM	0.410	0.870	2.009	1.187	1.025	0.237	1.689
3/6/04 7:00 AM	0.408	0.872	1.990	1.183	1.027	0.239	1.692
3/6/04 8:00 AM	0.409	0.874	2.017	1.196	1.032	0.242	1.700
3/6/04 9:00 AM	0.410	0.885	2.106	1.200	1.040	0.245	1.710
3/6/04 10:00 AM	0.413	0.899	2.166	1.203	1.045	0.247	1.722
3/6/04 11:00 AM	0.415	0.892	2.185	1.212	1.044	0.253	1.715
3/6/04 12:30 PM	0.411	0.882	2.159	1.215	1.046	0.250	1.710
3/6/04 1:30 PM	0.409	0.881	2.167	1.217	1.045	0.249	1.712
3/6/04 2:30 PM	0.409	0.889	2.166	1.212	1.044	0.253	1.707
3/6/04 3:30 PM	0.412	0.892	2.159	1.226	1.052	0.248	1.720
3/6/04 4:30 PM	0.416	0.913	2.120	1.227	1.052	0.249	1.710
3/6/04 5:30 PM	0.408	0.906	2.130	1.210	1.049	0.247	1.710
3/6/04 7:00 PM	0.410	0.878	2.123	1.222	1.045	0.245	1.699
3/6/04 8:00 PM	0.408	0.908	2.151	1.208	1.044	0.244	1.698
3/6/04 9:00 PM	0.406	0.881	2.152	1.220	1.046	0.245	1.698
3/6/04 10:00 PM	0.405	0.897	2.072	1.219	1.047	0.242	1.695
3/6/04 11:00 PM	0.407	0.901	2.133	1.207	1.049	0.245	1.700
3/7/04 12:00 AM	0.407	0.885	2.114	1.215	1.048	0.246	1.695
3/7/04 1:30 AM	0.407	0.895	2.062	1.214	1.051	0.242	1.693
3/7/04 2:30 AM	0.408	0.880	2.095	1.211	1.054	0.241	1.699
3/7/04 3:30 AM	0.406	0.891	2.029	1.215	1.052	0.241	1.696
3/7/04 4:30 AM	0.414	0.896	2.008	1.210	1.053	0.240	1.704
3/7/04 5:30 AM	0.408	0.883	1.988	1.213	1.055	0.238	1.699
3/7/04 6:30 AM	0.408	0.894	1.991	1.213	1.057	0.238	1.694
3/7/04 8:00 AM	0.415	0.897	2.115	1.220	1.061	0.247	1.713
3/7/04 9:00 AM	0.413	0.915	2.130	1.221	1.071	0.247	1.712
3/7/04 10:00 AM	0.412	0.915	2.100	1.239	1.075	0.248	1.714
3/7/04 11:00 AM	0.412	0.914	2.108	1.235	1.082	0.246	1.724
3/7/04 12:00 PM	0.417	0.901	2.079	1.235	1.075	0.244	1.723
3/7/04 1:00 PM	0.410	0.889	2.094	1.236	1.076	0.248	1.715
3/7/04 2:30 PM	0.410	0.892	2.092	1.236	1.083	0.242	1.720
3/7/04 3:30 PM	0.411	0.902	2.088	1.241	1.084	0.247	1.778
3/7/04 4:30 PM	0.415	0.898	2.124	1.241	1.086	0.246	1.772
3/7/04 5:30 PM	0.410	0.892	2.085	1.235	1.083	0.247	1.761
3/7/04 6:30 PM	0.414	0.911	2.085	1.226	1.079	0.244	1.771

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
3/7/04 7:30 PM	0.407	0.892	2.081	1.233	1.081	0.247	1.766
3/7/04 9:00 PM	0.408	0.894	2.092	1.226	1.083	0.242	1.762
3/7/04 10:00 PM	0.408	0.906	2.106	1.225	1.081	0.244	1.780
3/7/04 11:00 PM	0.407	0.892	2.075	1.240	1.081	0.245	1.767
3/8/04 12:00 AM	0.407	0.906	2.060	1.211	1.081	0.243	1.769
3/8/04 1:00 AM	0.414	0.896	2.076	1.216	1.080	0.243	1.773
3/8/04 2:00 AM	0.408	0.887	2.064	1.214	1.085	0.239	1.764
3/8/04 3:30 AM	0.406	0.896	2.051	1.213	1.085	0.243	1.759
3/8/04 4:30 AM	0.407	0.897	2.066	1.211	1.087	0.241	1.771
3/8/04 5:30 AM	0.406	0.895	2.058	1.219	1.089	0.241	1.776
3/8/04 6:30 AM	0.406	0.902	2.066	1.219	1.090	0.244	1.778
3/8/04 7:30 AM	0.406	0.900	2.078	1.228	1.092	0.242	1.770
3/8/04 8:30 AM	0.408	0.913	2.117	1.239	1.100	0.245	1.792
3/8/04 10:00 AM	0.423	0.913	2.138	1.240	1.110	0.248	1.796
3/8/04 11:00 AM	0.420	0.916	2.126	1.244	1.111	0.250	1.804
3/8/04 12:00 PM	0.410	0.896	2.134	1.247	1.109	0.249	1.812
3/8/04 1:00 PM	0.410	0.900	2.099	1.252	1.108	0.247	1.806
3/8/04 2:00 PM	0.417	0.911	2.117	1.249	1.108	0.248	1.802
3/8/04 3:00 PM	0.411	0.910	2.118	1.251	1.111	0.251	1.801
3/8/04 4:30 PM	0.428	0.918	2.126	1.256	1.116	0.249	1.806
3/8/04 5:30 PM	0.413	0.901	2.114	1.250	1.110	0.247	1.799
3/8/04 6:30 PM	0.410	0.910	2.106	1.239	1.112	0.250	1.769
3/8/04 7:30 PM	0.408	0.916	2.131	1.233	1.110	0.246	1.780
3/8/04 8:30 PM	0.408	0.917	2.095	1.239	1.108	0.251	1.768
3/8/04 9:30 PM	0.406	0.908	2.114	1.247	1.109	0.246	1.779
3/8/04 11:00 PM	0.407	0.910	2.106	1.236	1.112	0.246	1.785
3/9/04 12:00 AM	0.408	0.913	2.116	1.246	1.110	0.246	1.773
3/9/04 1:00 AM	0.405	0.910	2.076	1.246	1.110	0.244	1.781
3/9/04 2:00 AM	0.405	0.893	2.099	1.245	1.113	0.246	1.771
3/9/04 3:00 AM	0.407	0.891	2.071	1.246	1.114	0.244	1.772
3/9/04 4:00 AM	0.406	0.914	2.081	1.246	1.112	0.246	1.771
3/9/04 5:30 AM	0.410	0.897	2.080	1.249	1.118	0.243	1.790
3/9/04 6:30 AM	0.407	0.912	2.088	1.240	1.118	0.245	1.776
3/9/04 7:30 AM	0.407	0.912	2.116	1.247	1.120	0.248	1.777
3/9/04 8:30 AM	0.408	0.897	2.110	1.265	1.123	0.248	1.796
3/9/04 9:30 AM	0.410	0.911	2.113	1.267	1.133	0.253	1.811
3/9/04 10:30 AM	0.416	0.934	2.093	1.269	1.140	0.251	1.810
3/9/04 12:00 PM	0.412	0.916	2.119	1.266	1.137	0.247	1.797
3/9/04 1:00 PM	0.410	0.930	2.119	1.269	1.137	0.249	1.793
3/9/04 2:00 PM	0.412	0.896	2.091	1.270	1.140	0.248	1.797
3/9/04 3:00 PM	0.416	0.915	2.095	1.262	1.140	0.253	1.788
3/9/04 4:00 PM	0.415	0.904	2.126	1.282	1.144	0.248	1.800

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
3/9/04 5:00 PM	0.410	0.901	2.086	1.281	1.138	0.248	1.793
3/9/04 6:30 PM	0.408	0.912	2.093	1.260	1.136	0.251	1.773
3/9/04 7:30 PM	0.409	0.915	2.099	1.260	1.134	0.246	1.786
3/9/04 8:30 PM	0.409	0.915	2.106	1.262	1.136	0.245	1.782
3/9/04 9:30 PM	0.411	0.914	2.084	1.262	1.148	0.247	1.768
3/9/04 10:30 PM	0.408	0.928	2.042	1.271	1.138	0.245	1.775
3/9/04 11:30 PM	0.407	0.918	2.090	1.259	1.138	0.243	1.770
3/10/04 1:00 AM	0.406	0.902	2.061	1.264	1.138	0.246	1.769
3/10/04 2:00 AM	0.406	0.920	2.067	1.265	1.139	0.243	1.761
3/10/04 3:00 AM	0.406	0.892	2.086	1.272	1.138	0.242	1.768
3/10/04 4:00 AM	0.415	0.906	2.059	1.265	1.141	0.246	1.767
3/10/04 5:00 AM	0.410	0.902	2.041	1.270	1.143	0.240	1.777
3/10/04 6:00 AM	0.406	0.902	2.040	1.267	1.143	0.240	1.773
3/10/04 7:30 AM	0.407	0.927	2.065	1.268	1.146	0.245	1.763
3/10/04 8:30 AM	0.409	0.932	2.080	1.276	1.151	0.244	1.778
3/10/04 9:30 AM	0.411	0.935	2.103	1.282	1.155	0.245	1.791
3/10/04 10:30 AM	0.416	0.933	2.076	1.283	1.152	0.245	1.787
3/10/04 11:30 AM	0.410	0.917	2.104	1.285	1.157	0.245	1.790
3/10/04 12:30 PM	0.409	0.911	2.058	1.288	1.158	0.240	1.790
3/10/04 2:00 PM	0.413	0.934	2.066	1.285	1.161	0.247	1.788
3/10/04 3:00 PM	0.409	0.902	2.107	1.289	1.159	0.244	1.794
3/10/04 4:00 PM	0.417	0.905	2.077	1.292	1.165	0.246	1.803
3/10/04 5:00 PM	0.411	0.935	2.073	1.283	1.161	0.249	1.787
3/10/04 6:00 PM	0.412	0.921	2.065	1.292	1.160	0.244	1.792
3/10/04 7:00 PM	0.407	0.919	2.061	1.288	1.157	0.241	1.793
3/10/04 8:30 PM	0.413	0.916	2.074	1.283	1.155	0.247	1.787
3/10/04 9:30 PM	0.407	0.932	2.038	1.276	1.162	0.244	1.786
3/10/04 10:30 PM	0.412	0.885	2.076	1.279	1.156	0.240	1.789
3/10/04 11:30 PM	0.408	0.929	2.045	1.281	1.157	0.244	1.771
3/11/04 12:30 AM	0.408	0.906	2.074	1.276	1.156	0.244	1.787
3/11/04 1:30 AM	0.405	0.884	2.081	1.280	1.161	0.244	1.782
3/11/04 3:00 AM	0.407	0.893	2.045	1.288	1.162	0.242	1.776
3/11/04 4:00 AM	0.413	0.877	2.065	1.289	1.163	0.242	1.778
3/11/04 5:00 AM	0.411	0.882	2.050	1.285	1.161	0.242	1.776
3/11/04 6:00 AM	0.407	0.882	2.059	1.289	1.161	0.242	1.770
3/11/04 7:00 AM	0.406	0.909	2.029	1.289	1.164	0.243	1.766
3/11/04 8:00 AM	0.408	0.918	2.025	1.297	1.169	0.243	1.771
3/11/04 9:30 AM	0.408	0.935	2.101	1.298	1.178	0.246	1.777
3/11/04 10:30 AM	0.410	0.929	2.109	1.293	1.182	0.246	1.789
3/11/04 11:30 AM	0.410	0.930	2.090	1.302	1.180	0.249	1.775
3/11/04 12:30 PM	0.411	0.924	2.071	1.305	1.182	0.244	1.768
3/11/04 1:30 PM	0.410	0.938	2.079	1.299	1.181	0.246	1.776

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
3/11/04 2:30 PM	0.409	0.936	2.109	1.294	1.185	0.244	1.779
3/11/04 4:00 PM	0.416	0.922	2.073	1.312	1.192	0.248	1.793
3/11/04 5:00 PM	0.416	0.895	2.075	1.317	1.185	0.245	1.776
3/11/04 6:00 PM	0.409	0.930	2.049	1.299	1.178	0.242	1.766
3/11/04 7:00 PM	0.408	0.891	2.067	1.309	1.179	0.242	1.770
3/11/04 8:00 PM	0.410	0.902	2.094	1.304	1.179	0.242	1.780
3/11/04 9:00 PM	0.407	0.910	2.020	1.309	1.181	0.241	1.777
3/11/04 10:30 PM	0.411	0.895	2.049	1.306	1.182	0.242	1.764
3/11/04 11:30 PM	0.412	0.920	2.041	1.302	1.180	0.243	1.765
3/12/04 12:30 AM	0.410	0.925	2.052	1.286	1.183	0.241	1.759
3/12/04 1:30 AM	0.413	0.926	2.015	1.299	1.184	0.242	1.760
3/12/04 2:30 AM	0.408	0.918	2.050	1.285	1.183	0.242	1.767
3/12/04 3:30 AM	0.409	0.930	2.015	1.293	1.186	0.244	1.755
3/12/04 5:00 AM	0.409	0.935	2.043	1.295	1.186	0.244	1.752
3/12/04 6:00 AM	0.411	0.921	2.043	1.298	1.187	0.245	1.748
3/12/04 7:00 AM	0.408	0.903	2.051	1.296	1.188	0.244	1.728
3/12/04 8:00 AM	0.413	0.926	2.033	1.307	1.191	0.242	1.750
3/12/04 9:00 AM	0.409	0.918	2.061	1.312	1.196	0.249	1.735
3/12/04 10:00 AM	0.410	0.932	2.103	1.316	1.203	0.245	1.742
3/12/04 11:30 AM	0.412	0.917	2.076	1.315	1.203	0.248	1.745
3/12/04 12:30 PM	0.409	0.919	2.093	1.314	1.203	0.245	1.741
3/12/04 1:30 PM	0.412	0.936	2.057	1.312	1.203	0.245	1.749
3/12/04 2:30 PM	0.412	0.926	2.056	1.316	1.206	0.243	1.743
3/12/04 3:30 PM	0.412	0.934	2.057	1.322	1.209	0.245	1.736
3/12/04 4:30 PM	0.413	0.923	2.090	1.321	1.209	0.245	1.722
3/12/04 6:00 PM	0.413	0.914	2.073	1.315	1.202	0.242	1.702
3/12/04 7:00 PM	0.408	0.922	2.072	1.307	1.201	0.244	1.681
3/12/04 8:00 PM	0.410	0.924	2.046	1.301	1.200	0.247	1.638
3/12/04 9:00 PM	0.414	0.922	2.031	1.308	1.201	0.243	1.539
3/12/04 10:00 PM	0.408	0.928	2.007	1.310	1.201	0.244	1.219
3/12/04 11:00 PM	0.409	0.924	2.048	1.308	1.201	0.245	0.826
3/13/04 12:30 AM	0.412	0.927	2.045	1.303	1.201	0.244	0.598
3/13/04 1:30 AM	0.407	0.923	2.037	1.300	1.204	0.243	0.601
3/13/04 2:30 AM	0.412	0.922	2.036	1.305	1.202	0.245	0.596
3/13/04 3:30 AM	0.409	0.926	2.019	1.307	1.202	0.244	0.597
3/13/04 4:30 AM	0.408	0.922	2.024	1.306	1.203	0.244	0.600
3/13/04 5:30 AM	0.410	0.917	2.051	1.310	1.205	0.245	0.592
3/13/04 7:00 AM	0.409	0.930	2.026	1.306	1.205	0.245	0.588
3/13/04 8:00 AM	0.408	0.915	2.061	1.316	1.212	0.244	0.589
3/13/04 9:00 AM	0.412	0.962	2.063	1.319	1.216	0.248	0.585
3/13/04 10:00 AM	0.417	0.943	2.076	1.320	1.221	0.248	0.589
3/13/04 11:00 AM	0.412	0.941	2.043	1.330	1.227	0.248	0.586

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
3/13/04 12:00 PM	0.413	0.937	2.043	1.327	1.223	0.247	0.587
3/13/04 1:30 PM	0.413	0.924	2.082	1.328	1.224	0.246	0.584
3/13/04 2:30 PM	0.412	0.929	2.077	1.316	1.226	0.247	0.574
3/13/04 3:30 PM	0.418	0.942	2.067	1.327	1.235	0.248	0.586
3/13/04 4:30 PM	0.416	0.929	2.085	1.330	1.231	0.248	0.585
3/13/04 5:30 PM	0.412	0.936	2.066	1.324	1.227	0.247	0.570
3/13/04 6:30 PM	0.416	0.925	2.042	1.317	1.222	0.245	0.578
3/13/04 8:00 PM	0.421	0.926	2.029	1.317	1.224	0.244	0.571
3/13/04 9:00 PM	0.409	0.932	2.001	1.319	1.222	0.245	0.559
3/13/04 10:00 PM	0.409	0.916	2.042	1.319	1.218	0.243	0.572
3/13/04 11:00 PM	0.410	0.932	2.001	1.316	1.219	0.245	0.557
3/14/04 12:00 AM	0.413	0.926	2.043	1.319	1.220	0.245	0.570
3/14/04 1:00 AM	0.407	0.921	2.026	1.317	1.217	0.247	0.560
3/14/04 2:30 AM	0.408	0.917	2.040	1.313	1.219	0.247	0.557
3/14/04 3:30 AM	0.422	0.920	2.028	1.315	1.221	0.243	0.568
3/14/04 4:30 AM	0.421	0.931	2.015	1.318	1.221	0.245	0.563
3/14/04 5:30 AM	0.414	0.921	2.025	1.317	1.221	0.247	0.563
3/14/04 6:30 AM	0.408	0.921	2.032	1.313	1.222	0.247	0.558
3/14/04 7:30 AM	0.408	0.933	2.019	1.326	1.225	0.244	0.562
3/14/04 9:00 AM	0.410	0.924	2.051	1.330	1.234	0.246	0.576
3/14/04 10:00 AM	0.412	0.940	2.046	1.339	1.212	0.248	0.573
3/14/04 11:00 AM	0.413	0.927	2.067	1.336	1.218	0.250	0.571
3/14/04 12:00 PM	0.414	0.922	2.074	1.334	1.220	0.247	0.571
3/14/04 1:00 PM	0.422	0.939	2.058	1.335	1.225	0.247	0.570
3/14/04 2:00 PM	0.412	0.935	2.067	1.332	1.237	0.247	0.570
3/14/04 3:30 PM	0.415	0.933	2.042	1.343	1.237	0.250	0.579
3/14/04 4:30 PM	0.414	0.934	2.026	1.337	1.244	0.248	0.577
3/14/04 5:30 PM	0.415	0.905	2.038	1.341	1.238	0.245	0.574
3/14/04 6:30 PM	0.410	0.907	2.039	1.336	1.237	0.246	0.577
3/14/04 7:30 PM	0.411	0.918	2.044	1.331	1.236	0.246	0.578
3/14/04 8:30 PM	0.409	0.912	2.042	1.306	1.235	0.247	0.582
3/14/04 10:00 PM	0.409	0.903	2.007	1.334	1.235	0.243	0.584
3/14/04 11:00 PM	0.411	0.902	2.001	1.334	1.236	0.243	0.587
3/15/04 12:00 AM	0.410	0.916	2.012	1.332	1.235	0.245	0.587
3/15/04 1:00 AM	0.414	0.915	2.007	1.326	1.238	0.245	0.593
3/15/04 2:00 AM	0.410	0.904	2.019	1.328	1.236	0.244	0.591
3/15/04 3:00 AM	0.408	0.902	2.005	1.330	1.237	0.243	0.595
3/15/04 4:30 AM	0.407	0.906	2.002	1.323	1.239	0.244	0.596
3/15/04 5:30 AM	0.407	0.893	2.019	1.326	1.240	0.245	0.598
3/15/04 6:30 AM	0.412	0.910	1.988	1.335	1.239	0.244	0.602
3/15/04 7:30 AM	0.409	0.907	1.992	1.331	1.243	0.244	0.606
3/15/04 8:30 AM	0.414	0.911	2.038	1.337	1.249	0.248	0.611

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
3/15/04 9:30 AM	0.412	0.913	2.027	1.345	1.255	0.246	0.618
3/15/04 11:00 AM	0.414	0.918	2.029	1.350	1.257	0.248	0.625
3/15/04 12:00 PM	0.415	0.911	2.045	1.349	1.254	0.247	0.614
3/15/04 1:00 PM	0.415	0.931	2.032	1.347	1.257	0.246	0.623
3/15/04 2:00 PM	0.412	0.920	2.037	1.343	1.260	0.249	0.627
3/15/04 3:00 PM	0.415	0.922	2.066	1.352	1.260	0.247	0.624
3/15/04 4:00 PM	0.422	0.930	2.075	1.353	1.264	0.247	0.630
3/15/04 5:30 PM	0.415	0.919	2.041	1.345	1.262	0.248	0.627
3/15/04 6:30 PM	0.411	0.919	2.046	1.339	1.257	0.249	0.631
3/15/04 7:30 PM	0.412	0.915	2.067	1.339	1.255	0.247	0.636
3/15/04 8:30 PM	0.410	0.924	2.057	1.343	1.256	0.242	0.637
3/15/04 9:30 PM	0.413	0.920	2.040	1.339	1.255	0.240	0.635
3/15/04 10:30 PM	0.413	0.925	2.047	1.337	1.253	0.238	0.638
3/16/04 12:00 AM	0.412	0.919	2.025	1.342	1.256	0.236	0.638
3/16/04 1:00 AM	0.412	0.910	2.021	1.344	1.255	0.236	0.637
3/16/04 2:00 AM	0.411	0.911	2.026	1.343	1.256	0.234	0.629
3/16/04 3:00 AM	0.408	0.922	2.004	1.343	1.255	0.234	0.624
3/16/04 4:00 AM	0.412	0.910	2.035	1.338	1.254	0.235	0.631
3/16/04 5:00 AM	0.407	0.909	2.036	1.336	1.256	0.234	0.631
3/16/04 6:30 AM	0.414	0.916	2.025	1.339	1.258	0.233	0.618
3/16/04 7:30 AM	0.408	0.903	2.014	1.346	1.259	0.233	0.604
3/16/04 8:30 AM	0.411	0.922	2.040	1.357	1.268	0.235	0.596
3/16/04 9:30 AM	0.412	0.939	2.039	1.355	1.272	0.236	0.589
3/16/04 10:30 AM	0.415	0.926	2.035	1.354	1.275	0.239	0.578
3/16/04 11:30 AM	0.411	0.922	2.035	1.354	1.273	0.238	0.571
3/16/04 1:00 PM	0.412	0.914	2.007	1.359	1.273	0.233	0.573
3/16/04 2:00 PM	0.413	0.923	2.002	1.361	1.275	0.238	0.578
3/16/04 3:00 PM	0.415	0.925	2.029	1.365	1.279	0.236	0.577
3/16/04 4:00 PM	0.418	0.924	1.991	1.372	1.284	0.235	0.564
3/16/04 5:00 PM	0.415	0.927	2.017	1.358	1.279	0.234	0.566
3/16/04 6:00 PM	0.412	0.926	2.010	1.351	1.276	0.237	0.572
3/16/04 7:30 PM	0.415	0.924	2.007	1.356	1.272	0.234	0.569
3/16/04 8:30 PM	0.410	0.919	1.980	1.346	1.275	0.237	0.563
3/16/04 9:30 PM	0.410	0.911	1.968	1.349	1.269	0.234	0.574
3/16/04 10:30 PM	0.412	0.928	1.954	1.339	1.271	0.235	0.567
3/16/04 11:30 PM	0.411	0.913	1.978	1.348	1.268	0.236	0.570
3/17/04 12:30 AM	0.410	0.907	1.974	1.343	1.270	0.234	0.573
3/17/04 2:00 AM	0.410	0.912	1.966	1.343	1.271	0.231	0.577
3/17/04 3:00 AM	0.409	0.921	1.948	1.342	1.272	0.231	0.566
3/17/04 4:00 AM	0.408	0.917	1.955	1.343	1.271	0.233	0.561
3/17/04 5:00 AM	0.407	0.913	1.944	1.350	1.273	0.233	0.560
3/17/04 6:00 AM	0.408	0.931	1.952	1.345	1.275	0.232	0.558

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
3/17/04 7:00 AM	0.407	0.933	1.967	1.347	1.273	0.231	0.558
3/17/04 8:30 AM	0.412	0.932	1.985	1.361	1.284	0.231	0.565
3/17/04 9:30 AM	0.416	0.923	1.997	1.370	1.290	0.231	0.562
3/17/04 10:30 AM	0.414	0.928	1.991	1.373	1.292	0.232	0.565
3/17/04 11:30 AM	0.417	0.933	1.961	1.364	1.294	0.242	0.566
3/17/04 12:30 PM	0.415	0.931	1.988	1.366	1.293	0.248	0.562
3/17/04 1:30 PM	0.413	0.934	1.994	1.362	1.294	0.230	0.580
3/17/04 3:00 PM	0.415	0.936	1.994	1.364	1.296	0.235	0.570
3/17/04 4:00 PM	0.419	0.930	2.010	1.367	1.321	0.233	0.567
3/17/04 5:00 PM	0.418	0.920	1.995	1.374	1.314	0.231	0.562
3/17/04 6:00 PM	0.412	0.938	1.944	1.365	1.298	0.235	0.561
3/17/04 7:00 PM	0.409	0.936	1.954	1.364	1.296	0.233	0.567
3/17/04 8:00 PM	0.416	0.918	1.982	1.360	1.299	0.229	0.564
3/17/04 9:30 PM	0.409	0.927	1.961	1.352	1.291	0.232	0.562
3/17/04 10:30 PM	0.410	0.910	1.958	1.359	1.290	0.228	0.571
3/17/04 11:30 PM	0.408	0.928	1.960	1.353	1.290	0.229	0.562
3/18/04 12:30 AM	0.410	0.929	1.929	1.357	1.288	0.229	0.562
3/18/04 1:30 AM	0.409	0.922	1.920	1.362	1.290	0.228	0.567
3/18/04 2:30 AM	0.412	0.928	1.934	1.360	1.292	0.228	0.569
3/18/04 4:00 AM	0.410	0.930	1.946	1.357	1.290	0.231	0.572
3/18/04 5:00 AM	0.407	0.921	1.958	1.363	1.290	0.229	0.563
3/18/04 6:00 AM	0.410	0.926	1.931	1.361	1.293	0.243	0.560
3/18/04 7:00 AM	0.409	0.914	1.958	1.363	1.308	0.250	0.565
3/18/04 8:00 AM	0.412	0.932	1.953	1.367	1.306	0.255	0.566
3/18/04 9:00 AM	0.415	0.935	1.964	1.370	1.308	0.251	0.566
3/18/04 10:30 AM	0.413	0.937	1.973	1.382	1.314	0.251	0.574
3/18/04 11:30 AM	0.415	0.932	1.972	1.380	1.311	0.254	0.578
3/18/04 12:30 PM	0.416	0.944	1.975	1.378	1.312	0.254	0.571
3/18/04 1:30 PM	0.415	0.930	1.989	1.375	1.312	0.245	0.573
3/18/04 2:30 PM	0.413	0.935	1.990	1.380	1.311	0.242	0.578
3/18/04 3:30 PM	0.413	0.949	1.987	1.378	1.319	0.240	0.581
3/18/04 5:00 PM	0.414	0.950	1.969	1.380	1.315	0.241	0.571
3/18/04 6:00 PM	0.412	0.946	1.949	1.381	1.310	0.237	0.575
3/18/04 7:00 PM	0.410	0.917	1.968	1.373	1.307	0.233	0.585
3/18/04 8:00 PM	0.417	0.935	1.950	1.370	1.310	0.234	0.582
3/18/04 9:00 PM	0.416	0.934	1.955	1.375	1.307	0.236	0.584
3/18/04 10:00 PM	0.414	0.938	1.939	1.376	1.304	0.232	0.588
3/18/04 11:30 PM	0.409	0.938	1.945	1.368	1.307	0.232	0.582
3/19/04 12:30 AM	0.411	0.937	1.924	1.372	1.307	0.229	0.587
3/19/04 1:30 AM	0.412	0.930	1.942	1.367	1.306	0.231	0.579
3/19/04 2:30 AM	0.408	0.924	1.919	1.370	1.306	0.231	0.585
3/19/04 3:30 AM	0.414	0.924	1.923	1.368	1.305	0.230	0.585

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
3/19/04 4:30 AM	0.408	0.924	1.930	1.363	1.305	0.235	0.586
3/19/04 6:00 AM	0.412	0.938	1.903	1.370	1.305	0.234	0.590
3/19/04 7:00 AM	0.409	0.931	1.920	1.371	1.305	0.236	0.589
3/19/04 8:00 AM	0.416	0.928	1.935	1.375	1.311	0.237	0.591
3/19/04 9:00 AM	0.417	0.926	1.963	1.380	1.317	0.237	0.596
3/19/04 10:00 AM	0.414	0.945	1.950	1.380	1.326	0.237	0.594
3/19/04 11:00 AM	0.413	0.931	1.962	1.394	1.325	0.236	0.599
3/19/04 12:30 PM	0.416	0.954	1.942	1.392	1.326	0.235	0.600
3/19/04 1:30 PM	0.414	0.951	1.949	1.391	1.326	0.233	0.601
3/19/04 2:30 PM	0.415	0.939	1.979	1.387	1.327	0.237	0.595
3/19/04 3:30 PM	0.415	0.949	1.954	1.395	1.332	0.234	0.594
3/19/04 4:30 PM	0.414	0.944	1.971	1.396	1.332	0.233	0.593
3/19/04 5:30 PM	0.413	0.931	1.969	1.387	1.327	0.232	0.598
3/19/04 7:00 PM	0.411	0.946	1.947	1.383	1.321	0.234	0.595
3/19/04 8:00 PM	0.410	0.936	1.959	1.381	1.321	0.232	0.599
3/19/04 9:00 PM	0.409	0.947	1.949	1.377	1.321	0.227	0.607
3/19/04 10:00 PM	0.411	0.946	1.932	1.381	1.317	0.227	0.598
3/19/04 11:00 PM	0.412	0.937	1.944	1.374	1.317	0.228	0.591
3/20/04 12:00 AM	0.412	0.935	1.899	1.381	1.319	0.226	0.591
3/20/04 1:30 AM	0.408	0.928	1.926	1.381	1.316	0.222	0.596
3/20/04 2:30 AM	0.411	0.935	1.911	1.379	1.316	0.226	0.597
3/20/04 3:30 AM	0.408	0.926	1.906	1.379	1.315	0.223	0.595
3/20/04 4:30 AM	0.411	0.936	1.917	1.378	1.316	0.221	0.599
3/20/04 5:30 AM	0.409	0.937	1.913	1.372	1.316	0.218	0.600
3/20/04 6:30 AM	0.409	0.931	1.894	1.376	1.321	0.221	0.602
3/20/04 8:00 AM	0.410	0.946	1.891	1.388	1.322	0.221	0.601
3/20/04 9:00 AM	0.412	0.945	1.908	1.385	1.331	0.220	0.607
3/20/04 10:00 AM	0.412	0.941	1.950	1.399	1.331	0.222	0.609
3/20/04 11:00 AM	0.414	0.943	1.958	1.397	1.336	0.222	0.624
3/20/04 12:00 PM	0.415	0.950	1.939	1.393	1.333	0.222	0.614
3/20/04 1:00 PM	0.413	0.941	1.928	1.370	1.328	0.216	0.615
3/20/04 2:30 PM	0.413	0.941	1.942	1.368	1.335	0.219	0.613
3/20/04 3:30 PM	0.413	0.934	1.924	1.375	1.336	0.214	0.617
3/20/04 4:30 PM	0.416	0.957	1.935	1.376	1.334	0.215	0.617
3/20/04 5:30 PM	0.412	0.954	1.950	1.372	1.329	0.213	0.614
3/20/04 6:30 PM	0.409	0.930	1.934	1.365	1.326	0.210	0.610
3/20/04 7:30 PM	0.409	0.946	1.936	1.361	1.324	0.210	0.608
3/20/04 9:00 PM	0.409	0.951	1.924	1.369	1.320	0.204	0.609
3/20/04 10:00 PM	0.407	0.931	1.930	1.371	1.319	0.200	0.608
3/20/04 11:00 PM	0.409	0.935	1.894	1.379	1.316	0.197	0.612
3/21/04 12:00 AM	0.409	0.937	1.907	1.376	1.313	0.197	0.609
3/21/04 1:00 AM	0.411	0.925	1.891	1.379	1.314	0.190	0.610

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
3/21/04 2:00 AM	0.407	0.933	1.883	1.377	1.311	0.186	0.623
3/21/04 3:30 AM	0.407	0.931	1.891	1.371	1.300	0.170	0.612
3/21/04 4:30 AM	0.407	0.921	1.884	1.378	1.302	0.147	0.609
3/21/04 5:30 AM	0.409	0.936	1.872	1.375	1.307	0.147	0.612
3/21/04 6:30 AM	0.407	0.941	1.877	1.373	1.305	0.146	0.611
3/21/04 7:30 AM	0.412	0.941	1.889	1.376	1.307	0.143	0.613
3/21/04 8:30 AM	0.413	0.953	1.883	1.387	1.313	0.147	0.620
3/21/04 10:00 AM	0.416	0.954	1.903	1.398	1.318	0.145	0.621
3/21/04 11:00 AM	0.414	0.950	1.936	1.384	1.321	0.145	0.621
3/21/04 12:00 PM	0.414	0.942	1.935	1.383	1.316	0.144	0.620
3/21/04 1:00 PM	0.414	0.950	1.909	1.386	1.312	0.142	0.619
3/21/04 2:00 PM	0.411	0.957	1.910	1.381	1.315	0.146	0.615
3/21/04 3:00 PM	0.411	0.940	1.917	1.386	1.312	0.142	0.623
3/21/04 4:30 PM	0.415	0.958	1.928	1.370	1.316	0.146	0.627
3/21/04 5:30 PM	0.418	0.955	1.929	1.351	1.314	0.141	0.621
3/21/04 6:30 PM	0.414	0.944	1.893	1.331	1.307	0.140	0.622
3/21/04 7:30 PM	0.416	0.938	1.918	1.298	1.301	0.138	0.623
3/21/04 8:30 PM	0.413	0.952	1.902	1.240	1.298	0.144	0.620
3/21/04 9:30 PM	0.414	0.943	1.918	1.188	1.294	0.141	0.621
3/21/04 11:00 PM	0.403	0.933	1.891	1.083	1.292	0.136	0.619
3/22/04 12:00 AM	0.411	0.939	1.898	1.011	1.290	0.140	0.617
3/22/04 1:00 AM	0.406	0.936	1.892	0.914	1.286	0.138	0.622
3/22/04 2:00 AM	0.406	0.937	1.861	0.816	1.285	0.137	0.616
3/22/04 3:00 AM	0.409	0.942	1.876	0.688	1.281	0.138	0.621
3/22/04 4:00 AM	0.408	0.932	1.862	0.591	1.278	0.143	0.620
3/22/04 5:30 AM	0.403	0.933	1.855	0.450	1.277	0.138	0.621
3/22/04 6:30 AM	0.410	0.929	1.853	0.382	1.276	0.136	0.624
3/22/04 7:30 AM	0.411	0.948	1.846	0.375	1.276	0.139	0.623
3/22/04 8:30 AM	0.412	0.939	1.863	0.378	1.280	0.137	0.630
3/22/04 9:30 AM	0.411	0.954	1.902	0.372	1.284	0.141	0.628
3/22/04 10:30 AM	0.413	0.956	1.906	0.376	1.285	0.140	0.630
3/22/04 12:00 PM	0.411	0.952	1.921	0.372	1.274	0.147	0.634
3/22/04 1:00 PM	0.413	0.946	1.894	0.378	1.277	0.141	0.632
3/22/04 2:00 PM	0.413	0.957	1.936	0.374	1.271	0.142	0.632
3/22/04 3:00 PM	0.408	0.948	1.934	0.375	1.268	0.147	0.633
3/22/04 4:00 PM	0.410	0.949	1.912	0.378	1.268	0.147	0.632
3/22/04 5:00 PM	0.416	0.949	1.891	0.380	1.265	0.139	0.633
3/22/04 6:30 PM	0.411	0.958	1.913	0.377	1.252	0.142	0.631
3/22/04 7:30 PM	0.408	0.950	1.911	0.378	1.250	0.142	0.629
3/22/04 8:30 PM	0.410	0.952	1.907	0.380	1.249	0.145	0.628
3/22/04 9:30 PM	0.407	0.942	1.876	0.383	1.241	0.140	0.630
3/22/04 10:30 PM	0.410	0.933	1.896	0.373	1.237	0.138	0.633

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
3/22/04 11:30 PM	0.421	0.945	1.903	0.358	1.233	0.143	0.628
3/23/04 1:00 AM	0.406	0.938	1.884	0.352	1.227	0.143	0.624
3/23/04 2:00 AM	0.407	0.946	1.873	0.345	1.223	0.140	0.627
3/23/04 3:00 AM	0.411	0.941	1.883	0.349	1.217	0.146	0.624
3/23/04 4:00 AM	0.409	0.938	1.884	0.352	1.211	0.144	0.630
3/23/04 5:00 AM	0.418	0.953	1.863	0.348	1.209	0.145	0.631
3/23/04 6:00 AM	0.408	0.938	1.893	0.353	1.205	0.142	0.650
3/23/04 7:30 AM	0.406	0.945	1.888	0.351	1.198	0.141	0.655
3/23/04 8:30 AM	0.407	0.957	1.896	0.352	1.196	0.148	0.643
3/23/04 9:30 AM	0.411	0.959	1.903	0.355	1.195	0.147	0.638
3/23/04 10:30 AM	0.410	0.946	1.927	0.356	1.194	0.148	0.639
3/23/04 11:30 AM	0.409	0.963	1.918	0.357	1.188	0.154	0.636
3/23/04 12:30 PM	0.408	0.949	1.926	0.355	1.181	0.155	0.635
3/23/04 2:00 PM	0.413	0.955	1.933	0.360	1.174	0.151	0.635
3/23/04 3:00 PM	0.412	0.963	1.911	0.359	1.171	0.154	0.633
3/23/04 4:00 PM	0.423	0.966	1.912	0.361	1.164	0.153	0.643
3/23/04 5:00 PM	0.413	0.954	1.908	0.361	1.155	0.152	0.643
3/23/04 6:00 PM	0.411	0.944	1.917	0.363	1.138	0.150	0.642
3/23/04 7:00 PM	0.405	0.956	1.868	0.362	1.125	0.152	0.634
3/23/04 8:30 PM	0.404	0.955	1.877	0.360	1.092	0.154	0.635
3/23/04 9:30 PM	0.405	0.946	1.857	0.363	1.055	0.151	0.635
3/23/04 10:30 PM	0.408	0.937	1.865	0.362	1.003	0.153	0.634
3/23/04 11:30 PM	0.406	0.938	1.863	0.363	0.933	0.159	0.633
3/24/04 12:30 AM	0.409	0.933	1.847	0.362	0.865	0.157	0.634
3/24/04 1:30 AM	0.407	0.933	1.817	0.360	0.800	0.153	0.635
3/24/04 3:00 AM	0.405	0.923	1.824	0.363	0.708	0.154	0.633
3/24/04 4:00 AM	0.401	0.936	1.804	0.365	0.652	0.151	0.635
3/24/04 5:00 AM	0.403	0.933	1.812	0.366	0.593	0.155	0.639
3/24/04 6:00 AM	0.414	0.940	1.807	0.363	0.528	0.157	0.643
3/24/04 7:00 AM	0.411	0.935	1.792	0.371	0.463	0.153	0.650
3/24/04 8:00 AM	0.404	0.945	1.821	0.370	0.398	0.154	0.661
3/24/04 9:30 AM	0.408	0.945	1.842	0.378	0.385	0.162	0.665
3/24/04 10:30 AM	0.414	0.957	1.851	0.375	0.387	0.166	0.662
3/24/04 11:30 AM	0.411	0.953	1.838	0.381	0.387	0.159	0.667
3/24/04 12:30 PM	0.414	0.960	1.873	0.379	0.386	0.164	0.663
3/24/04 1:30 PM	0.403	0.957	1.835	0.389	0.386	0.161	0.662
3/24/04 2:30 PM	0.408	0.952	1.858	0.383	0.387	0.169	0.659
3/24/04 4:00 PM	0.412	0.954	1.876	0.395	0.388	0.171	0.662
3/24/04 5:00 PM	0.407	0.956	1.859	0.388	0.390	0.174	0.657
3/24/04 6:00 PM	0.410	0.944	1.836	0.395	0.387	0.160	0.659
3/24/04 7:00 PM	0.406	0.945	1.860	0.389	0.385	0.171	0.649
3/24/04 8:00 PM	0.406	0.949	1.826	0.397	0.384	0.166	0.645

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
3/24/04 9:00 PM	0.407	0.938	1.809	0.398	0.385	0.165	0.652
3/24/04 10:30 PM	0.404	0.947	1.814	0.396	0.387	0.168	0.652
3/24/04 11:30 PM	0.409	0.949	1.810	0.395	0.385	0.173	0.652
3/25/04 12:30 AM	0.408	0.947	1.812	0.397	0.383	0.172	0.650
3/25/04 1:30 AM	0.410	0.945	1.794	0.398	0.384	0.171	0.651
3/25/04 2:30 AM	0.411	0.933	1.800	0.402	0.383	0.168	0.654
3/25/04 3:30 AM	0.409	0.939	1.783	0.405	0.382	0.168	0.655
3/25/04 5:00 AM	0.403	0.948	1.803	0.406	0.381	0.173	0.654
3/25/04 6:00 AM	0.405	0.944	1.799	0.405	0.383	0.174	0.652
3/25/04 7:00 AM	0.399	0.946	1.785	0.410	0.378	0.175	0.655
3/25/04 8:00 AM	0.422	0.941	1.813	0.420	0.378	0.180	0.656
3/25/04 9:00 AM	0.419	0.951	1.808	0.417	0.386	0.178	0.659
3/25/04 10:00 AM	0.407	0.947	1.847	0.423	0.384	0.182	0.660
3/25/04 11:30 AM	0.418	0.947	1.849	0.428	0.383	0.182	0.657
3/25/04 12:30 PM	0.416	0.952	1.843	0.426	0.385	0.189	0.655
3/25/04 1:30 PM	0.414	0.956	1.857	0.419	0.384	0.186	0.655
3/25/04 2:30 PM	0.426	0.956	1.853	0.427	0.384	0.185	0.660
3/25/04 3:30 PM	0.423	0.963	1.865	0.434	0.388	0.191	0.657
3/25/04 4:30 PM	0.418	0.955	1.853	0.433	0.389	0.197	0.653
3/25/04 6:00 PM	0.420	0.943	1.845	0.436	0.385	0.187	0.658
3/25/04 7:00 PM	0.414	0.959	1.837	0.439	0.386	0.193	0.653
3/25/04 8:00 PM	0.407	0.957	1.844	0.436	0.390	0.194	0.654
3/25/04 9:00 PM	0.414	0.958	1.821	0.444	0.387	0.197	0.650
3/25/04 10:00 PM	0.407	0.941	1.833	0.444	0.389	0.196	0.651
3/25/04 11:00 PM	0.411	0.957	1.801	0.447	0.389	0.197	0.648
3/26/04 12:30 AM	0.408	0.952	1.826	0.445	0.392	0.199	0.648
3/26/04 1:30 AM	0.410	0.948	1.824	0.444	0.392	0.195	0.647
3/26/04 2:30 AM	0.411	0.947	1.805	0.450	0.392	0.195	0.650
3/26/04 3:30 AM	0.407	0.948	1.801	0.445	0.391	0.198	0.650
3/26/04 4:30 AM	0.409	0.942	1.801	0.450	0.394	0.204	0.651
3/26/04 5:30 AM	0.405	0.950	1.802	0.450	0.393	0.201	0.652
3/26/04 7:00 AM	0.413	0.943	1.803	0.460	0.396	0.207	0.650
3/26/04 8:00 AM	0.407	0.953	1.808	0.452	0.400	0.204	0.650
3/26/04 9:00 AM	0.404	0.954	1.827	0.460	0.397	0.208	0.655
3/26/04 10:00 AM	0.419	0.955	1.815	0.459	0.401	0.211	0.653
3/26/04 11:00 AM	0.416	0.959	1.843	0.462	0.402	0.210	0.656
3/26/04 12:00 PM	0.409	0.951	1.837	0.464	0.403	0.217	0.652
3/26/04 1:30 PM	0.409	0.957	1.828	0.466	0.405	0.215	0.653
3/26/04 2:30 PM	0.405	0.958	1.835	0.470	0.405	0.220	0.657
3/26/04 3:30 PM	0.408	0.965	1.850	0.473	0.408	0.225	0.653
3/26/04 4:30 PM	0.409	0.955	1.823	0.477	0.412	0.216	0.660
3/26/04 5:30 PM	0.408	0.959	1.851	0.458	0.408	0.222	0.654

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
3/26/04 6:30 PM	0.413	0.946	1.843	0.466	0.409	0.225	0.652
3/26/04 8:00 PM	0.410	0.945	1.833	0.474	0.409	0.225	0.654
3/26/04 9:00 PM	0.406	0.946	1.836	0.473	0.410	0.229	0.655
3/26/04 10:00 PM	0.406	0.949	1.825	0.475	0.411	0.227	0.657
3/26/04 11:00 PM	0.414	0.950	1.802	0.480	0.417	0.226	0.654
3/27/04 12:00 AM	0.407	0.936	1.818	0.483	0.416	0.227	0.654
3/27/04 1:00 AM	0.416	0.939	1.816	0.479	0.418	0.226	0.654
3/27/04 2:30 AM	0.406	0.937	1.803	0.480	0.420	0.231	0.654
3/27/04 3:30 AM	0.412	0.949	1.788	0.477	0.420	0.233	0.653
3/27/04 4:30 AM	0.407	0.939	1.802	0.476	0.422	0.235	0.651
3/27/04 5:30 AM	0.404	0.941	1.786	0.477	0.425	0.232	0.650
3/27/04 6:30 AM	0.404	0.930	1.789	0.482	0.428	0.238	0.653
3/27/04 7:30 AM	0.409	0.930	1.812	0.496	0.428	0.236	0.655
3/27/04 9:00 AM	0.412	0.960	1.806	0.492	0.435	0.246	0.655
3/27/04 10:00 AM	0.412	0.947	1.827	0.500	0.435	0.243	0.662
3/27/04 11:00 AM	0.411	0.964	1.803	0.510	0.440	0.246	0.660
3/27/04 12:00 PM	0.411	0.950	1.839	0.504	0.439	0.248	0.663
3/27/04 1:00 PM	0.412	0.943	1.831	0.504	0.443	0.249	0.658
3/27/04 2:00 PM	0.410	0.961	1.844	0.496	0.447	0.249	0.661
3/27/04 3:30 PM	0.413	0.962	1.839	0.505	0.452	0.258	0.659
3/27/04 4:30 PM	0.414	0.958	1.834	0.511	0.451	0.259	0.664
3/27/04 5:30 PM	0.418	0.964	1.815	0.507	0.454	0.255	0.661
3/27/04 6:30 PM	0.409	0.946	1.817	0.507	0.452	0.255	0.659
3/27/04 7:30 PM	0.415	0.946	1.813	0.508	0.456	0.256	0.661
3/27/04 8:30 PM	0.408	0.947	1.812	0.505	0.456	0.259	0.659
3/27/04 10:00 PM	0.407	0.949	1.768	0.508	0.457	0.257	0.659
3/27/04 11:00 PM	0.407	0.947	1.758	0.512	0.463	0.267	0.651
3/28/04 12:00 AM	0.408	0.943	1.745	0.519	0.464	0.259	0.657
3/28/04 1:00 AM	0.408	0.946	1.742	0.517	0.464	0.261	0.657
3/28/04 2:00 AM	0.407	0.952	1.729	0.523	0.468	0.262	0.656
3/28/04 3:00 AM	0.408	0.944	1.698	0.526	0.470	0.265	0.654
3/28/04 4:30 AM	0.408	0.951	1.567	0.528	0.473	0.269	0.651
3/28/04 5:30 AM	0.406	0.946	1.036	0.525	0.474	0.268	0.654
3/28/04 6:30 AM	0.406	0.947	0.476	0.524	0.476	0.273	0.651
3/28/04 7:30 AM	0.412	0.953	0.103	0.531	0.480	0.272	0.658
3/28/04 8:30 AM	0.413	0.950	0.105	0.530	0.485	0.279	0.660
3/28/04 9:30 AM	0.410	0.944	0.102	0.542	0.487	0.280	0.661
3/28/04 11:00 AM	0.409	0.948	0.109	0.546	0.495	0.286	0.661
3/28/04 12:00 PM	0.413	0.956	0.115	0.544	0.496	0.282	0.659
3/28/04 1:00 PM	0.409	0.950	0.119	0.543	0.498	0.279	0.661
3/28/04 2:00 PM	0.412	0.962	0.132	0.539	0.500	0.293	0.658
3/28/04 3:00 PM	0.410	0.953	0.143	0.548	0.503	0.295	0.660

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
3/28/04 4:00 PM	0.414	0.967	0.153	0.542	0.509	0.290	0.661
3/28/04 5:30 PM	0.408	0.940	0.170	0.550	0.509	0.291	0.660
3/28/04 6:30 PM	0.406	0.942	0.185	0.553	0.504	0.297	0.660
3/28/04 7:30 PM	0.414	0.943	0.202	0.560	0.509	0.295	0.659
3/28/04 8:30 PM	0.409	0.951	0.222	0.551	0.513	0.297	0.659
3/28/04 9:30 PM	0.406	0.941	0.246	0.548	0.513	0.303	0.656
3/28/04 10:30 PM	0.406	0.933	0.281	0.546	0.514	0.305	0.656
3/29/04 12:00 AM	0.408	0.948	0.315	0.552	0.517	0.305	0.654
3/29/04 1:00 AM	0.414	0.949	0.340	0.549	0.519	0.312	0.655
3/29/04 2:00 AM	0.406	0.939	0.359	0.556	0.520	0.305	0.655
3/29/04 3:00 AM	0.406	0.934	0.382	0.560	0.524	0.305	0.655
3/29/04 4:00 AM	0.405	0.931	0.404	0.559	0.526	0.310	0.651
3/29/04 5:00 AM	0.406	0.928	0.431	0.560	0.530	0.309	0.655
3/29/04 6:30 AM	0.410	0.928	0.465	0.555	0.524	0.313	0.656
3/29/04 7:30 AM	0.405	0.924	0.490	0.556	0.534	0.311	0.658
3/29/04 8:30 AM	0.411	0.915	0.512	0.564	0.542	0.323	0.656
3/29/04 9:30 AM	0.411	0.818	0.534	0.566	0.543	0.322	0.659
3/29/04 10:30 AM	0.414	0.680	0.556	0.575	0.550	0.317	0.666
3/29/04 11:30 AM	0.412	0.514	0.579	0.574	0.552	0.327	0.664
3/29/04 1:00 PM	0.411	0.299	0.604	0.587	0.551	0.323	0.664
3/29/04 2:00 PM	0.410	0.245	0.625	0.578	0.555	0.329	0.662
3/29/04 3:00 PM	0.409	0.246	0.640	0.584	0.556	0.327	0.665
3/29/04 4:00 PM	0.419	0.242	0.660	0.582	0.563	0.338	0.668
3/29/04 5:00 PM	0.412	0.244	0.676	0.574	0.563	0.337	0.664
3/29/04 6:00 PM	0.407	0.248	0.685	0.575	0.565	0.336	0.659
3/29/04 7:30 PM	0.409	0.235	0.706	0.575	0.563	0.331	0.665
3/29/04 8:30 PM	0.407	0.255	0.715	0.573	0.568	0.333	0.660
3/29/04 9:30 PM	0.409	0.247	0.725	0.581	0.566	0.330	0.661
3/29/04 10:30 PM	0.405	0.255	0.736	0.574	0.573	0.338	0.657
3/29/04 11:30 PM	0.411	0.259	0.747	0.578	0.570	0.329	0.660
3/30/04 12:30 AM	0.406	0.270	0.756	0.582	0.574	0.336	0.660
3/30/04 2:00 AM	0.403	0.262	0.769	0.583	0.576	0.337	0.660
3/30/04 3:00 AM	0.406	0.261	0.774	0.589	0.577	0.342	0.656
3/30/04 4:00 AM	0.404	0.263	0.782	0.592	0.578	0.343	0.657
3/30/04 5:00 AM	0.407	0.260	0.791	0.589	0.581	0.348	0.658
3/30/04 6:00 AM	0.413	0.260	0.797	0.587	0.583	0.348	0.654
3/30/04 7:00 AM	0.406	0.266	0.807	0.593	0.582	0.350	0.657
3/30/04 8:30 AM	0.409	0.268	0.821	0.602	0.592	0.352	0.663
3/30/04 9:30 AM	0.409	0.278	0.835	0.596	0.599	0.352	0.667
3/30/04 10:30 AM	0.410	0.287	0.841	0.601	0.601	0.366	0.663
3/30/04 11:30 AM	0.410	0.287	0.843	0.607	0.597	0.362	0.667
3/30/04 12:30 PM	0.410	0.300	0.850	0.607	0.600	0.366	0.665

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
3/30/04 1:30 PM	0.417	0.313	0.853	0.604	0.612	0.366	0.663
3/30/04 3:00 PM	0.410	0.313	0.864	0.612	0.613	0.369	0.667
3/30/04 4:00 PM	0.411	0.330	0.870	0.607	0.616	0.369	0.664
3/30/04 5:00 PM	0.412	0.333	0.873	0.609	0.614	0.370	0.662
3/30/04 6:00 PM	0.408	0.344	0.875	0.608	0.617	0.370	0.661
3/30/04 7:00 PM	0.408	0.339	0.879	0.609	0.617	0.365	0.666
3/30/04 8:00 PM	0.407	0.345	0.883	0.615	0.619	0.366	0.663
3/30/04 9:30 PM	0.420	0.371	0.888	0.609	0.622	0.376	0.663
3/30/04 10:30 PM	0.416	0.380	0.891	0.607	0.624	0.372	0.658
3/30/04 11:30 PM	0.406	0.387	0.893	0.610	0.624	0.376	0.657
3/31/04 12:30 AM	0.408	0.397	0.894	0.612	0.624	0.372	0.658
3/31/04 1:30 AM	0.404	0.405	0.897	0.605	0.628	0.377	0.657
3/31/04 2:30 AM	0.405	0.417	0.897	0.607	0.629	0.378	0.659
3/31/04 4:00 AM	0.411	0.433	0.905	0.611	0.631	0.380	0.658
3/31/04 5:00 AM	0.408	0.447	0.904	0.609	0.634	0.377	0.659
3/31/04 6:00 AM	0.412	0.457	0.908	0.619	0.628	0.385	0.656
3/31/04 7:00 AM	0.407	0.481	0.910	0.618	0.637	0.383	0.655
3/31/04 8:00 AM	0.411	0.494	0.916	0.633	0.641	0.386	0.661
3/31/04 9:00 AM	0.414	0.514	0.922	0.629	0.643	0.390	0.665
3/31/04 10:30 AM	0.409	0.529	0.936	0.627	0.652	0.394	0.667
3/31/04 11:30 AM	0.411	0.545	0.936	0.632	0.654	0.392	0.662
3/31/04 12:30 PM	0.408	0.551	0.938	0.628	0.656	0.396	0.663
3/31/04 1:30 PM	0.406	0.563	0.939	0.623	0.651	0.411	0.666
3/31/04 2:30 PM	0.409	0.589	0.947	0.626	0.656	0.403	0.665
3/31/04 3:30 PM	0.410	0.599	0.945	0.630	0.661	0.397	0.663
3/31/04 5:00 PM	0.412	0.625	0.952	0.632	0.658	0.401	0.661
3/31/04 6:00 PM	0.406	0.635	0.951	0.636	0.664	0.397	0.664
3/31/04 7:00 PM	0.413	0.642	0.952	0.640	0.662	0.389	0.661
3/31/04 8:00 PM	0.412	0.650	0.952	0.628	0.665	0.402	0.654
3/31/04 9:00 PM	0.408	0.656	0.953	0.636	0.666	0.405	0.659
3/31/04 10:00 PM	0.411	0.640	0.958	0.635	0.666	0.409	0.657
3/31/04 11:30 PM	0.403	0.650	0.955	0.641	0.665	0.405	0.656
4/1/04 12:30 AM	0.408	0.651	0.958	0.641	0.665	0.403	0.656
4/1/04 1:30 AM	0.408	0.644	0.963	0.638	0.667	0.403	0.654
4/1/04 2:30 AM	0.404	0.645	0.963	0.638	0.669	0.404	0.655
4/1/04 3:30 AM	0.405	0.635	0.964	0.644	0.668	0.411	0.652
4/1/04 4:30 AM	0.401	0.636	0.961	0.643	0.668	0.405	0.651
4/1/04 6:00 AM	0.405	0.645	0.966	0.637	0.674	0.405	0.652
4/1/04 7:00 AM	0.408	0.651	0.970	0.634	0.667	0.408	0.653
4/1/04 8:00 AM	0.419	0.653	0.977	0.644	0.673	0.412	0.660
4/1/04 9:00 AM	0.410	0.645	0.982	0.642	0.685	0.417	0.657
4/1/04 10:00 AM	0.412	0.657	0.988	0.644	0.685	0.420	0.661

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
4/1/04 11:00 AM	0.414	0.663	0.982	0.654	0.690	0.420	0.658
4/1/04 12:30 PM	0.407	0.661	0.987	0.648	0.688	0.427	0.657
4/1/04 1:30 PM	0.410	0.657	0.988	0.649	0.695	0.421	0.660
4/1/04 2:30 PM	0.411	0.655	0.991	0.652	0.692	0.414	0.658
4/1/04 3:30 PM	0.409	0.662	0.992	0.653	0.697	0.419	0.661
4/1/04 4:30 PM	0.406	0.657	0.989	0.642	0.697	0.428	0.658
4/1/04 5:30 PM	0.408	0.663	0.990	0.640	0.696	0.426	0.656
4/1/04 7:00 PM	0.411	0.660	0.988	0.646	0.696	0.421	0.658
4/1/04 8:00 PM	0.409	0.658	0.985	0.646	0.700	0.427	0.657
4/1/04 9:00 PM	0.407	0.663	0.986	0.645	0.701	0.420	0.657
4/1/04 10:00 PM	0.409	0.667	0.990	0.643	0.704	0.427	0.656
4/1/04 11:00 PM	0.408	0.659	0.989	0.645	0.704	0.429	0.652
4/2/04 12:00 AM	0.410	0.667	0.987	0.643	0.705	0.425	0.656
4/2/04 1:30 AM	0.405	0.674	0.987	0.653	0.709	0.427	0.653
4/2/04 2:30 AM	0.410	0.665	0.986	0.653	0.709	0.429	0.654
4/2/04 3:30 AM	0.409	0.666	0.989	0.654	0.704	0.429	0.655
4/2/04 4:30 AM	0.405	0.672	0.987	0.651	0.698	0.432	0.655
4/2/04 5:30 AM	0.406	0.676	0.987	0.654	0.703	0.432	0.656
4/2/04 6:30 AM	0.408	0.676	0.989	0.654	0.714	0.434	0.656
4/2/04 8:00 AM	0.407	0.678	0.995	0.647	0.712	0.442	0.658
4/2/04 9:00 AM	0.408	0.691	0.990	0.660	0.721	0.438	0.658
4/2/04 10:00 AM	0.406	0.693	0.994	0.653	0.722	0.435	0.658
4/2/04 11:00 AM	0.406	0.680	0.991	0.648	0.721	0.435	0.660
4/2/04 12:00 PM	0.407	0.677	0.989	0.637	0.722	0.436	0.655
4/2/04 1:00 PM	0.410	0.673	0.983	0.645	0.717	0.427	0.655
4/2/04 2:30 PM	0.414	0.682	0.978	0.642	0.716	0.428	0.654
4/2/04 3:30 PM	0.409	0.684	0.978	0.646	0.719	0.431	0.652
4/2/04 4:30 PM	0.408	0.678	0.979	0.647	0.724	0.424	0.652
4/2/04 5:30 PM	0.403	0.679	0.982	0.648	0.721	0.432	0.651
4/2/04 6:30 PM	0.407	0.683	0.979	0.650	0.720	0.431	0.651
4/2/04 7:30 PM	0.405	0.674	0.979	0.655	0.727	0.425	0.651
4/2/04 9:00 PM	0.405	0.676	0.985	0.648	0.727	0.430	0.653
4/2/04 10:00 PM	0.407	0.682	0.983	0.646	0.728	0.427	0.650
4/2/04 11:00 PM	0.407	0.676	0.985	0.647	0.722	0.430	0.652
4/3/04 12:00 AM	0.406	0.670	0.987	0.652	0.725	0.426	0.653
4/3/04 1:00 AM	0.413	0.675	0.987	0.653	0.726	0.430	0.651
4/3/04 2:00 AM	0.405	0.670	0.988	0.655	0.726	0.432	0.652
4/3/04 3:30 AM	0.405	0.678	0.993	0.658	0.723	0.433	0.652
4/3/04 4:30 AM	0.404	0.682	0.995	0.656	0.728	0.432	0.654
4/3/04 5:30 AM	0.404	0.675	0.995	0.662	0.721	0.430	0.653
4/3/04 6:30 AM	0.408	0.675	0.996	0.659	0.730	0.429	0.654
4/3/04 7:30 AM	0.410	0.676	1.000	0.662	0.728	0.435	0.652

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
4/3/04 8:30 AM	0.408	0.680	1.007	0.655	0.730	0.436	0.657
4/3/04 10:00 AM	0.407	0.690	1.008	0.657	0.742	0.443	0.655
4/3/04 11:00 AM	0.406	0.686	1.015	0.662	0.733	0.442	0.656
4/3/04 12:00 PM	0.415	0.683	1.010	0.668	0.742	0.437	0.659
4/3/04 1:00 PM	0.405	0.694	1.013	0.666	0.743	0.439	0.659
4/3/04 2:00 PM	0.409	0.683	1.015	0.667	0.745	0.437	0.656
4/3/04 3:00 PM	0.409	0.692	1.014	0.669	0.739	0.440	0.658
4/3/04 4:30 PM	0.408	0.688	1.021	0.668	0.747	0.437	0.658
4/3/04 5:30 PM	0.412	0.697	1.021	0.659	0.748	0.444	0.654
4/3/04 6:30 PM	0.404	0.694	1.021	0.660	0.746	0.446	0.655
4/3/04 7:30 PM	0.409	0.697	1.021	0.665	0.748	0.447	0.650
4/3/04 8:30 PM	0.403	0.701	1.025	0.657	0.754	0.443	0.653
4/3/04 9:30 PM	0.410	0.691	1.027	0.665	0.754	0.444	0.654
4/3/04 11:00 PM	0.409	0.700	1.025	0.668	0.750	0.444	0.654
4/4/04 12:00 AM	0.405	0.701	1.026	0.664	0.752	0.442	0.651
4/4/04 1:00 AM	0.411	0.704	1.030	0.662	0.750	0.444	0.654
4/4/04 2:00 AM	0.408	0.701	1.028	0.662	0.741	0.448	0.654
4/4/04 3:00 AM	0.402	0.702	1.033	0.655	0.745	0.446	0.654
4/4/04 4:00 AM	0.402	0.699	1.033	0.661	0.750	0.447	0.653
4/4/04 5:30 AM	0.404	0.703	1.032	0.666	0.756	0.454	0.653
4/4/04 6:30 AM	0.403	0.698	1.037	0.666	0.759	0.454	0.654
4/4/04 7:30 AM	0.406	0.699	1.043	0.659	0.754	0.456	0.658
4/4/04 8:30 AM	0.405	0.710	1.044	0.670	0.762	0.449	0.662
4/4/04 9:30 AM	0.408	0.715	1.050	0.674	0.775	0.456	0.661
4/4/04 10:30 AM	0.406	0.716	1.057	0.671	0.770	0.458	0.665
4/4/04 12:00 PM	0.411	0.710	1.056	0.677	0.773	0.449	0.664
4/4/04 1:00 PM	0.407	0.716	1.050	0.672	0.772	0.457	0.660
4/4/04 2:00 PM	0.407	0.717	1.041	0.679	0.763	0.454	0.662
4/4/04 3:00 PM	0.408	0.711	1.039	0.681	0.765	0.456	0.662
4/4/04 4:00 PM	0.409	0.721	1.041	0.674	0.768	0.462	0.661
4/4/04 5:00 PM	0.406	0.723	1.037	0.682	0.771	0.458	0.664
4/4/04 6:30 PM	0.409	0.712	1.033	0.676	0.764	0.460	0.662
4/4/04 7:30 PM	0.402	0.716	1.029	0.675	0.760	0.463	0.660
4/4/04 8:30 PM	0.403	0.723	1.026	0.673	0.763	0.463	0.657
4/4/04 9:30 PM	0.404	0.712	1.028	0.664	0.767	0.459	0.658
4/4/04 10:30 PM	0.404	0.717	1.027	0.677	0.762	0.464	0.657
4/4/04 11:30 PM	0.409	0.719	1.025	0.676	0.769	0.454	0.660
4/5/04 1:00 AM	0.403	0.726	1.023	0.676	0.767	0.460	0.656
4/5/04 2:00 AM	0.409	0.727	1.025	0.681	0.770	0.462	0.659
4/5/04 3:00 AM	0.406	0.717	1.029	0.661	0.764	0.463	0.656
4/5/04 4:00 AM	0.402	0.721	1.027	0.678	0.765	0.460	0.658
4/5/04 5:00 AM	0.403	0.723	1.031	0.673	0.777	0.463	0.659

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
4/5/04 6:00 AM	0.402	0.720	1.033	0.677	0.774	0.467	0.655
4/5/04 7:30 AM	0.403	0.723	1.038	0.676	0.783	0.471	0.661
4/5/04 8:30 AM	0.411	0.732	1.040	0.686	0.787	0.469	0.667
4/5/04 9:30 AM	0.407	0.744	1.048	0.683	0.791	0.478	0.662
4/5/04 10:30 AM	0.409	0.739	1.052	0.688	0.794	0.474	0.666
4/5/04 11:30 AM	0.407	0.735	1.049	0.683	0.793	0.479	0.664
4/5/04 12:30 PM	0.407	0.734	1.049	0.685	0.794	0.468	0.666
4/5/04 2:00 PM	0.409	0.738	1.047	0.682	0.796	0.471	0.663
4/5/04 3:00 PM	0.404	0.737	1.049	0.683	0.794	0.473	0.667
4/5/04 4:00 PM	0.410	0.743	1.051	0.689	0.793	0.481	0.670
4/5/04 5:00 PM	0.405	0.733	1.046	0.692	0.791	0.479	0.664
4/5/04 6:00 PM	0.411	0.737	1.046	0.680	0.789	0.480	0.664
4/5/04 7:00 PM	0.405	0.728	1.044	0.684	0.787	0.474	0.662
4/5/04 8:30 PM	0.404	0.732	1.044	0.685	0.781	0.473	0.660
4/5/04 9:30 PM	0.415	0.743	1.035	0.686	0.795	0.474	0.657
4/5/04 10:30 PM	0.402	0.726	1.039	0.689	0.794	0.471	0.662
4/5/04 11:30 PM	0.403	0.730	1.039	0.679	0.793	0.474	0.661
4/6/04 12:30 AM	0.402	0.739	1.039	0.681	0.795	0.474	0.661
4/6/04 1:30 AM	0.402	0.738	1.039	0.682	0.792	0.479	0.656
4/6/04 3:00 AM	0.403	0.736	1.041	0.681	0.794	0.476	0.660
4/6/04 4:00 AM	0.403	0.738	1.043	0.685	0.791	0.479	0.658
4/6/04 5:00 AM	0.402	0.744	1.045	0.679	0.797	0.482	0.656
4/6/04 6:00 AM	0.402	0.739	1.048	0.678	0.792	0.483	0.661
4/6/04 7:00 AM	0.402	0.745	1.049	0.685	0.796	0.486	0.663
4/6/04 8:00 AM	0.406	0.752	1.059	0.688	0.801	0.481	0.667
4/6/04 9:30 AM	0.408	0.745	1.068	0.699	0.805	0.486	0.668
4/6/04 10:30 AM	0.417	0.762	1.069	0.694	0.809	0.489	0.671
4/6/04 11:30 AM	0.406	0.753	1.063	0.688	0.809	0.495	0.672
4/6/04 12:30 PM	0.411	0.755	1.067	0.687	0.807	0.492	0.670
4/6/04 1:30 PM	0.409	0.751	1.069	0.700	0.809	0.487	0.667
4/6/04 2:30 PM	0.412	0.756	1.066	0.697	0.817	0.488	0.668
4/6/04 4:00 PM	0.409	0.749	1.075	0.692	0.817	0.487	0.672
4/6/04 5:00 PM	0.408	0.753	1.067	0.677	0.812	0.493	0.668
4/6/04 6:00 PM	0.405	0.750	1.064	0.685	0.812	0.479	0.668
4/6/04 7:00 PM	0.405	0.759	1.061	0.679	0.813	0.485	0.664
4/6/04 8:00 PM	0.403	0.757	1.059	0.677	0.812	0.491	0.660
4/6/04 9:00 PM	0.411	0.759	1.064	0.672	0.811	0.485	0.664
4/6/04 10:30 PM	0.404	0.748	1.064	0.675	0.813	0.485	0.663
4/6/04 11:30 PM	0.403	0.753	1.060	0.675	0.814	0.486	0.662
4/7/04 12:30 AM	0.405	0.749	1.067	0.678	0.810	0.480	0.662
4/7/04 1:30 AM	0.403	0.755	1.065	0.678	0.813	0.489	0.658
4/7/04 2:30 AM	0.403	0.747	1.069	0.679	0.813	0.479	0.663

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
4/7/04 3:30 AM	0.405	0.757	1.069	0.678	0.815	0.490	0.658
4/7/04 5:00 AM	0.404	0.760	1.072	0.678	0.815	0.492	0.663
4/7/04 6:00 AM	0.403	0.757	1.074	0.680	0.816	0.484	0.663
4/7/04 7:00 AM	0.406	0.763	1.073	0.678	0.818	0.489	0.661
4/7/04 8:00 AM	0.406	0.773	1.080	0.683	0.823	0.492	0.667
4/7/04 9:00 AM	0.410	0.758	1.088	0.684	0.828	0.498	0.665
4/7/04 10:00 AM	0.410	0.774	1.091	0.691	0.827	0.498	0.668
4/7/04 11:30 AM	0.405	0.767	1.092	0.700	0.827	0.497	0.668
4/7/04 12:30 PM	0.413	0.776	1.092	0.694	0.827	0.501	0.667
4/7/04 1:30 PM	0.408	0.766	1.092	0.685	0.833	0.493	0.668
4/7/04 2:30 PM	0.411	0.778	1.074	0.698	0.829	0.509	0.674
4/7/04 3:30 PM	0.408	0.767	1.094	0.697	0.832	0.495	0.675
4/7/04 4:30 PM	0.412	0.766	1.098	0.690	0.835	0.497	0.670
4/7/04 6:00 PM	0.406	0.761	1.090	0.688	0.831	0.487	0.669
4/7/04 7:00 PM	0.410	0.762	1.093	0.696	0.830	0.495	0.667
4/7/04 8:00 PM	0.405	0.763	1.091	0.694	0.829	0.493	0.666
4/7/04 9:00 PM	0.411	0.776	1.087	0.687	0.833	0.499	0.662
4/7/04 10:00 PM	0.404	0.771	1.089	0.687	0.834	0.488	0.667
4/7/04 11:00 PM	0.404	0.766	1.088	0.686	0.835	0.487	0.666
4/8/04 12:30 AM	0.403	0.773	1.087	0.687	0.836	0.494	0.661
4/8/04 1:30 AM	0.405	0.775	1.089	0.687	0.829	0.494	0.661
4/8/04 2:30 AM	0.416	0.769	1.088	0.687	0.831	0.497	0.665
4/8/04 3:30 AM	0.414	0.772	1.091	0.688	0.831	0.499	0.663
4/8/04 4:30 AM	0.402	0.774	1.089	0.688	0.835	0.497	0.662
4/8/04 5:30 AM	0.406	0.769	1.090	0.692	0.837	0.497	0.660
4/8/04 7:00 AM	0.406	0.772	1.093	0.693	0.838	0.492	0.667
4/8/04 8:00 AM	0.408	0.785	1.099	0.678	0.846	0.502	0.668
4/8/04 9:00 AM	0.410	0.777	1.109	0.690	0.849	0.508	0.673
4/8/04 10:00 AM	0.407	0.782	1.104	0.702	0.849	0.499	0.671
4/8/04 11:00 AM	0.407	0.787	1.110	0.695	0.850	0.503	0.669
4/8/04 12:00 PM	0.408	0.794	1.109	0.700	0.854	0.505	0.670
4/8/04 1:30 PM	0.410	0.790	1.111	0.695	0.854	0.503	0.668
4/8/04 2:30 PM	0.407	0.791	1.113	0.703	0.850	0.504	0.668
4/8/04 3:30 PM	0.408	0.779	1.111	0.705	0.852	0.502	0.670
4/8/04 4:30 PM	0.408	0.788	1.116	0.696	0.850	0.512	0.667
4/8/04 5:30 PM	0.411	0.789	1.114	0.699	0.852	0.505	0.675
4/8/04 6:30 PM	0.410	0.786	1.109	0.686	0.846	0.509	0.670
4/8/04 8:00 PM	0.403	0.775	1.106	0.697	0.847	0.500	0.668
4/8/04 9:00 PM	0.406	0.788	1.097	0.693	0.850	0.501	0.662
4/8/04 10:00 PM	0.407	0.791	1.101	0.695	0.847	0.507	0.666
4/8/04 11:00 PM	0.409	0.783	1.103	0.684	0.845	0.508	0.668
4/9/04 12:00 AM	0.406	0.785	1.100	0.694	0.850	0.509	0.666

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
4/9/04 1:00 AM	0.412	0.781	1.101	0.686	0.845	0.507	0.666
4/9/04 2:30 AM	0.407	0.784	1.095	0.683	0.847	0.508	0.664
4/9/04 3:30 AM	0.409	0.792	1.096	0.680	0.845	0.504	0.664
4/9/04 4:30 AM	0.405	0.788	1.097	0.676	0.849	0.499	0.664
4/9/04 5:30 AM	0.405	0.796	1.093	0.677	0.846	0.507	0.663
4/9/04 6:30 AM	0.404	0.789	1.101	0.691	0.849	0.509	0.662
4/9/04 7:30 AM	0.406	0.801	1.104	0.697	0.852	0.505	0.666
4/9/04 9:00 AM	0.410	0.809	1.117	0.699	0.863	0.513	0.671
4/9/04 10:00 AM	0.412	0.813	1.120	0.708	0.859	0.516	0.674
4/9/04 11:00 AM	0.410	0.811	1.124	0.705	0.865	0.518	0.674
4/9/04 12:00 PM	0.412	0.799	1.122	0.697	0.865	0.517	0.672
4/9/04 1:00 PM	0.409	0.800	1.119	0.697	0.872	0.518	0.671
4/9/04 2:00 PM	0.409	0.803	1.120	0.695	0.865	0.516	0.671
4/9/04 3:30 PM	0.418	0.810	1.127	0.697	0.877	0.521	0.675
4/9/04 4:30 PM	0.409	0.799	1.126	0.695	0.874	0.519	0.673
4/9/04 5:30 PM	0.413	0.804	1.123	0.702	0.869	0.519	0.673
4/9/04 6:30 PM	0.411	0.804	1.120	0.695	0.869	0.518	0.671
4/9/04 7:30 PM	0.407	0.801	1.118	0.694	0.867	0.516	0.669
4/9/04 8:30 PM	0.408	0.802	1.117	0.692	0.867	0.516	0.667
4/9/04 10:00 PM	0.406	0.795	1.111	0.696	0.866	0.515	0.667
4/9/04 11:00 PM	0.405	0.795	1.111	0.696	0.864	0.513	0.665
4/10/04 12:00 AM	0.407	0.797	1.111	0.696	0.863	0.513	0.665
4/10/04 1:00 AM	0.415	0.800	1.108	0.694	0.869	0.513	0.665
4/10/04 2:00 AM	0.406	0.793	1.107	0.694	0.867	0.511	0.665
4/10/04 3:00 AM	0.405	0.788	1.108	0.697	0.866	0.512	0.664
4/10/04 4:30 AM	0.402	0.791	1.107	0.695	0.868	0.512	0.664
4/10/04 5:30 AM	0.405	0.792	1.106	0.694	0.868	0.512	0.664
4/10/04 6:30 AM	0.410	0.791	1.106	0.698	0.870	0.512	0.664
4/10/04 7:30 AM	0.412	0.795	1.112	0.699	0.859	0.514	0.667
4/10/04 8:30 AM	0.409	0.801	1.117	0.700	0.873	0.518	0.668
4/10/04 9:30 AM	0.430	0.808	1.124	0.703	0.873	0.522	0.675
4/10/04 11:00 AM	0.410	0.808	1.123	0.703	0.881	0.520	0.673
4/10/04 12:00 PM	0.409	0.804	1.132	0.701	0.881	0.520	0.672
4/10/04 1:00 PM	0.412	0.808	1.134	0.702	0.881	0.521	0.672
4/10/04 2:00 PM	0.417	0.808	1.133	0.705	0.880	0.522	0.672
4/10/04 3:00 PM	0.414	0.817	1.138	0.688	0.889	0.524	0.674
4/10/04 4:00 PM	0.411	0.814	1.138	0.694	0.882	0.523	0.674
4/10/04 5:30 PM	0.410	0.813	1.133	0.686	0.882	0.522	0.673
4/10/04 6:30 PM	0.414	0.808	1.129	0.694	0.875	0.519	0.671
4/10/04 7:30 PM	0.413	0.809	1.130	0.696	0.880	0.521	0.672
4/10/04 8:30 PM	0.411	0.805	1.126	0.694	0.878	0.519	0.668
4/10/04 9:30 PM	0.406	0.799	1.125	0.701	0.876	0.516	0.667

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
4/10/04 10:30 PM	0.412	0.809	1.124	0.698	0.872	0.518	0.665
4/11/04 12:00 AM	0.405	0.813	1.119	0.699	0.872	0.517	0.664
4/11/04 1:00 AM	0.407	0.815	1.119	0.698	0.871	0.517	0.665
4/11/04 2:00 AM	0.409	0.813	1.119	0.697	0.872	0.520	0.665
4/11/04 3:00 AM	0.408	0.812	1.122	0.697	0.877	0.520	0.666
4/11/04 4:00 AM	0.407	0.808	1.119	0.683	0.875	0.519	0.664
4/11/04 5:00 AM	0.405	0.803	1.116	0.689	0.876	0.518	0.664
4/11/04 6:30 AM	0.404	0.805	1.119	0.693	0.879	0.519	0.664
4/11/04 7:30 AM	0.411	0.813	1.123	0.690	0.878	0.521	0.665
4/11/04 8:30 AM	0.411	0.812	1.128	0.692	0.879	0.521	0.669
4/11/04 9:30 AM	0.411	0.816	1.132	0.698	0.882	0.524	0.670
4/11/04 10:30 AM	0.421	0.826	1.139	0.698	0.895	0.528	0.675
4/11/04 11:30 AM	0.411	0.822	1.131	0.694	0.885	0.525	0.670
4/11/04 1:00 PM	0.411	0.817	1.133	0.695	0.897	0.526	0.671
4/11/04 2:00 PM	0.409	0.814	1.132	0.695	0.890	0.525	0.670
4/11/04 3:00 PM	0.415	0.823	1.136	0.692	0.894	0.529	0.674
4/11/04 4:00 PM	0.412	0.820	1.143	0.698	0.895	0.528	0.674
4/11/04 5:00 PM	0.419	0.824	1.145	0.690	0.899	0.529	0.676
4/11/04 6:00 PM	0.415	0.814	1.140	0.685	0.889	0.523	0.671
4/11/04 7:30 PM	0.407	0.816	1.137	0.693	0.887	0.523	0.667
4/11/04 8:30 PM	0.412	0.811	1.139	0.697	0.891	0.524	0.670
4/11/04 9:30 PM	0.425	0.824	1.151	0.712	0.901	0.533	0.679
4/11/04 10:30 PM	0.409	0.814	1.138	0.698	0.888	0.522	0.666
4/11/04 11:30 PM	0.406	0.819	1.135	0.695	0.889	0.521	0.665
4/12/04 12:30 AM	0.406	0.812	1.135	0.697	0.885	0.521	0.665
4/12/04 2:00 AM	0.404	0.806	1.134	0.695	0.886	0.521	0.663
4/12/04 3:00 AM	0.405	0.810	1.134	0.694	0.884	0.521	0.663
4/12/04 4:00 AM	0.405	0.812	1.134	0.693	0.886	0.521	0.663
4/12/04 5:00 AM	0.406	0.812	1.133	0.694	0.888	0.519	0.664
4/12/04 6:00 AM	0.408	0.816	1.134	0.690	0.889	0.520	0.663
4/12/04 7:00 AM	0.408	0.813	1.135	0.692	0.888	0.520	0.664
4/12/04 8:30 AM	0.419	0.833	1.151	0.705	0.900	0.530	0.674
4/12/04 9:30 AM	0.415	0.828	1.151	0.705	0.899	0.528	0.673
4/12/04 10:30 AM	0.411	0.831	1.155	0.708	0.902	0.531	0.674
4/12/04 11:30 AM	0.411	0.827	1.152	0.709	0.899	0.529	0.672
4/12/04 12:30 PM	0.410	0.826	1.151	0.705	0.900	0.529	0.672
4/12/04 1:30 PM	0.407	0.825	1.150	0.703	0.899	0.528	0.671
4/12/04 3:00 PM	0.410	0.836	1.156	0.706	0.903	0.532	0.675
4/12/04 4:00 PM	0.413	0.829	1.157	0.706	0.904	0.531	0.675
4/12/04 5:00 PM	0.413	0.825	1.152	0.711	0.901	0.528	0.674
4/12/04 6:00 PM	0.423	0.822	1.149	0.694	0.897	0.528	0.671
4/12/04 7:00 PM	0.405	0.820	1.145	0.698	0.896	0.525	0.668

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
4/12/04 8:00 PM	0.405	0.822	1.141	0.695	0.895	0.525	0.666
4/12/04 9:30 PM	0.408	0.821	1.140	0.692	0.893	0.525	0.666
4/12/04 10:30 PM	0.404	0.819	1.135	0.692	0.890	0.524	0.665
4/12/04 11:30 PM	0.406	0.821	1.133	0.693	0.890	0.523	0.664
4/13/04 12:30 AM	0.403	0.818	1.131	0.691	0.892	0.524	0.664
4/13/04 1:30 AM	0.406	0.817	1.129	0.688	0.889	0.524	0.663
4/13/04 2:30 AM	0.408	0.815	1.128	0.686	0.893	0.525	0.663
4/13/04 4:00 AM	0.403	0.811	1.128	0.688	0.888	0.523	0.662
4/13/04 5:00 AM	0.402	0.817	1.128	0.691	0.887	0.525	0.662
4/13/04 6:00 AM	0.403	0.814	1.129	0.696	0.888	0.525	0.661
4/13/04 7:00 AM	0.407	0.819	1.129	0.696	0.882	0.526	0.661
4/13/04 8:00 AM	0.405	0.826	1.135	0.695	0.884	0.530	0.666
4/13/04 9:00 AM	0.409	0.835	1.143	0.697	0.899	0.532	0.671
4/13/04 10:30 AM	0.410	0.835	1.148	0.703	0.899	0.535	0.672
4/13/04 11:30 AM	0.421	0.832	1.144	0.704	0.899	0.534	0.671
4/13/04 12:30 PM	0.416	0.820	1.143	0.701	0.896	0.534	0.671
4/13/04 1:30 PM	0.409	0.830	1.145	0.699	0.898	0.534	0.671
4/13/04 2:30 PM	0.410	0.831	1.149	0.705	0.884	0.533	0.672
4/13/04 3:30 PM	0.409	0.833	1.151	0.702	0.884	0.538	0.674
4/13/04 5:00 PM	0.407	0.829	1.148	0.703	0.881	0.534	0.672
4/13/04 6:00 PM	0.412	0.828	1.142	0.699	0.880	0.534	0.668
4/13/04 7:00 PM	0.403	0.819	1.139	0.701	0.893	0.533	0.666
4/13/04 8:00 PM	0.409	0.825	1.138	0.695	0.891	0.532	0.666
4/13/04 9:00 PM	0.404	0.827	1.136	0.698	0.886	0.532	0.666
4/13/04 10:00 PM	0.406	0.827	1.136	0.693	0.887	0.532	0.665
4/13/04 11:30 PM	0.406	0.823	1.134	0.693	0.886	0.531	0.664
4/14/04 12:30 AM	0.403	0.819	1.134	0.696	0.884	0.532	0.664
4/14/04 1:30 AM	0.405	0.825	1.134	0.692	0.884	0.531	0.664
4/14/04 2:30 AM	0.396	0.819	1.134	0.692	0.886	0.531	0.664
4/14/04 3:30 AM	0.398	0.812	1.134	0.688	0.889	0.532	0.664
4/14/04 4:30 AM	0.399	0.814	1.134	0.686	0.888	0.533	0.664
4/14/04 6:00 AM	0.398	0.820	1.136	0.686	0.891	0.532	0.664
4/14/04 7:00 AM	0.395	0.819	1.139	0.681	0.892	0.533	0.665
4/14/04 8:00 AM	0.395	0.828	1.144	0.699	0.894	0.539	0.668
4/14/04 9:00 AM	0.404	0.830	1.151	0.701	0.888	0.541	0.672
4/14/04 10:00 AM	0.403	0.837	1.154	0.706	0.896	0.543	0.674
4/14/04 11:00 AM	0.404	0.836	1.155	0.702	0.905	0.543	0.674
4/14/04 12:30 PM	0.393	0.833	1.149	0.695	0.881	0.541	0.671
4/14/04 1:30 PM	0.394	0.833	1.148	0.698	0.900	0.541	0.670
4/14/04 2:30 PM	0.398	0.835	1.154	0.708	0.904	0.541	0.674
4/14/04 3:30 PM	0.396	0.845	1.154	0.701	0.911	0.544	0.673
4/14/04 4:30 PM	0.396	0.841	1.154	0.698	0.899	0.543	0.673

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
4/14/04 5:30 PM	0.401	0.836	1.148	0.695	0.888	0.541	0.672
4/14/04 7:00 PM	0.393	0.827	1.143	0.686	0.877	0.540	0.667
4/14/04 8:00 PM	0.389	0.831	1.142	0.692	0.876	0.538	0.667
4/14/04 9:00 PM	0.388	0.826	1.142	0.694	0.891	0.539	0.665
4/14/04 10:00 PM	0.393	0.831	1.140	0.686	0.891	0.537	0.665
4/14/04 11:00 PM	0.388	0.828	1.138	0.686	0.888	0.537	0.664
4/15/04 12:00 AM	0.394	0.827	1.147	0.687	0.891	0.539	0.664
4/15/04 1:30 AM	0.389	0.830	1.140	0.688	0.887	0.537	0.664
4/15/04 2:30 AM	0.389	0.833	1.152	0.687	0.866	0.539	0.663
4/15/04 3:30 AM	0.390	0.837	1.158	0.693	0.865	0.539	0.664
4/15/04 4:30 AM	0.390	0.831	1.161	0.691	0.870	0.540	0.664
4/15/04 5:30 AM	0.389	0.833	1.163	0.687	0.884	0.541	0.664
4/15/04 6:30 AM	0.391	0.840	1.165	0.691	0.887	0.541	0.665
4/15/04 8:00 AM	0.392	0.838	1.174	0.686	0.892	0.545	0.669
4/15/04 9:00 AM	0.395	0.839	1.177	0.695	0.897	0.549	0.673
4/15/04 10:00 AM	0.397	0.842	1.182	0.705	0.900	0.549	0.676
4/15/04 11:00 AM	0.395	0.842	1.181	0.699	0.901	0.551	0.675
4/15/04 12:00 PM	0.401	0.847	1.178	0.705	0.907	0.552	0.680
4/15/04 1:00 PM	0.394	0.839	1.160	0.698	0.897	0.548	0.672
4/15/04 2:30 PM	0.426	0.845	1.174	0.705	0.909	0.557	0.686
4/15/04 3:30 PM	0.396	0.843	1.164	0.705	0.897	0.552	0.676
4/15/04 4:30 PM	0.397	0.842	1.157	0.704	0.886	0.553	0.676
4/15/04 5:30 PM	0.396	0.841	1.149	0.701	0.894	0.550	0.673
4/15/04 6:30 PM	0.389	0.839	1.142	0.698	0.889	0.546	0.669
4/15/04 7:30 PM	0.376	0.841	1.143	0.690	0.888	0.546	0.666
4/15/04 9:00 PM	0.374	0.840	1.139	0.692	0.886	0.546	0.666
4/15/04 10:00 PM	0.376	0.832	1.134	0.691	0.871	0.545	0.665
4/15/04 11:00 PM	0.374	0.827	1.135	0.687	0.884	0.546	0.664
4/16/04 12:00 AM	0.374	0.825	1.134	0.692	0.860	0.544	0.665
4/16/04 1:00 AM	0.369	0.830	1.135	0.693	0.882	0.543	0.665
4/16/04 2:00 AM	0.376	0.818	1.134	0.685	0.875	0.546	0.665
4/16/04 3:30 AM	0.368	0.824	1.134	0.696	0.883	0.546	0.664
4/16/04 4:30 AM	0.372	0.827	1.131	0.692	0.881	0.545	0.663
4/16/04 5:30 AM	0.367	0.830	1.129	0.691	0.878	0.546	0.662
4/16/04 6:30 AM	0.368	0.820	1.130	0.695	0.882	0.547	0.663
4/16/04 7:30 AM	0.374	0.823	1.133	0.692	0.887	0.546	0.666
4/16/04 8:30 AM	0.377	0.828	1.146	0.706	0.899	0.558	0.677
4/16/04 10:00 AM	0.383	0.837	1.149	0.711	0.895	0.559	0.680
4/16/04 11:00 AM	0.378	0.828	1.144	0.697	0.897	0.556	0.675
4/16/04 12:00 PM	0.375	0.829	1.138	0.696	0.894	0.552	0.672
4/16/04 1:00 PM	0.373	0.839	1.139	0.698	0.891	0.553	0.671
4/16/04 2:00 PM	0.378	0.832	1.140	0.697	0.893	0.553	0.671

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
4/16/04 3:00 PM	0.381	0.846	1.143	0.703	0.897	0.556	0.675
4/16/04 4:30 PM	0.374	0.837	1.140	0.693	0.894	0.556	0.674
4/16/04 5:30 PM	0.375	0.839	1.138	0.700	0.893	0.554	0.672
4/16/04 6:30 PM	0.376	0.838	1.132	0.700	0.888	0.554	0.669
4/16/04 7:30 PM	0.375	0.833	1.129	0.689	0.873	0.550	0.668
4/16/04 8:30 PM	0.373	0.838	1.128	0.691	0.887	0.550	0.668
4/16/04 9:30 PM	0.377	0.831	1.130	0.693	0.882	0.551	0.667
4/16/04 11:00 PM	0.376	0.835	1.128	0.683	0.886	0.549	0.666
4/17/04 12:00 AM	0.372	0.832	1.128	0.692	0.881	0.549	0.664
4/17/04 1:00 AM	0.373	0.832	1.127	0.691	0.885	0.550	0.665
4/17/04 2:00 AM	0.374	0.829	1.130	0.684	0.883	0.548	0.665
4/17/04 3:00 AM	0.378	0.829	1.129	0.693	0.876	0.551	0.664
4/17/04 4:00 AM	0.376	0.832	1.129	0.688	0.879	0.552	0.665
4/17/04 5:30 AM	0.381	0.828	1.133	0.699	0.877	0.552	0.665
4/17/04 6:30 AM	0.381	0.827	1.142	0.692	0.879	0.552	0.665
4/17/04 7:30 AM	0.382	0.831	1.145	0.681	0.876	0.552	0.666
4/17/04 8:30 AM	0.387	0.838	1.140	0.698	0.882	0.553	0.669
4/17/04 9:30 AM	0.382	0.833	1.135	0.687	0.877	0.552	0.668
4/17/04 10:30 AM	0.397	0.837	1.141	0.691	0.874	0.557	0.671
4/17/04 12:00 PM	0.391	0.837	1.143	0.698	0.876	0.557	0.671
4/17/04 1:00 PM	0.404	0.843	1.155	0.705	0.890	0.562	0.680
4/17/04 2:00 PM	0.403	0.834	1.151	0.714	0.888	0.561	0.674
4/17/04 3:00 PM	0.395	0.840	1.138	0.696	0.885	0.557	0.672
4/17/04 4:00 PM	0.392	0.840	1.131	0.699	0.880	0.553	0.669
4/17/04 5:00 PM	0.395	0.832	1.132	0.692	0.878	0.553	0.665
4/17/04 6:30 PM	0.397	0.832	1.130	0.697	0.876	0.552	0.666
4/17/04 7:30 PM	0.398	0.834	1.128	0.694	0.872	0.549	0.663
4/17/04 8:30 PM	0.398	0.833	1.128	0.690	0.871	0.550	0.663
4/17/04 9:30 PM	0.399	0.831	1.128	0.695	0.874	0.549	0.663
4/17/04 10:30 PM	0.399	0.830	1.126	0.696	0.870	0.549	0.663
4/17/04 11:30 PM	0.401	0.828	1.123	0.695	0.862	0.547	0.662
4/18/04 1:00 AM	0.402	0.833	1.123	0.691	0.868	0.548	0.662
4/18/04 2:00 AM	0.403	0.825	1.124	0.682	0.869	0.546	0.662
4/18/04 3:00 AM	0.404	0.827	1.124	0.688	0.867	0.547	0.660
4/18/04 4:00 AM	0.406	0.833	1.124	0.689	0.864	0.545	0.660
4/18/04 5:00 AM	0.407	0.832	1.123	0.687	0.868	0.547	0.660
4/18/04 6:00 AM	0.409	0.828	1.118	0.690	0.867	0.546	0.660
4/18/04 7:30 AM	0.413	0.833	1.128	0.689	0.862	0.549	0.662
4/18/04 8:30 AM	0.416	0.830	1.127	0.692	0.867	0.547	0.662
4/18/04 9:30 AM	0.421	0.832	1.136	0.691	0.878	0.551	0.666
4/18/04 10:30 AM	0.426	0.833	1.139	0.702	0.882	0.555	0.673
4/18/04 11:30 AM	0.422	0.832	1.137	0.693	0.874	0.552	0.669

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
4/18/04 12:30 PM	0.422	0.831	1.132	0.694	0.870	0.549	0.667
4/18/04 2:00 PM	0.426	0.837	1.139	0.694	0.870	0.551	0.669
4/18/04 3:00 PM	0.430	0.838	1.146	0.694	0.874	0.552	0.669
4/18/04 4:00 PM	0.430	0.837	1.145	0.693	0.871	0.552	0.670
4/18/04 5:00 PM	0.431	0.830	1.145	0.695	0.869	0.551	0.668
4/18/04 6:00 PM	0.445	0.835	1.152	0.694	0.880	0.554	0.677
4/18/04 7:00 PM	0.450	0.841	1.149	0.692	0.878	0.559	0.677
4/18/04 8:30 PM	0.437	0.830	1.130	0.691	0.864	0.548	0.666
4/18/04 9:30 PM	0.438	0.833	1.125	0.689	0.860	0.549	0.664
4/18/04 10:30 PM	0.440	0.832	1.121	0.690	0.861	0.546	0.664
4/18/04 11:30 PM	0.440	0.832	1.125	0.690	0.858	0.548	0.664
4/19/04 12:30 AM	0.441	0.831	1.120	0.694	0.859	0.547	0.663
4/19/04 1:30 AM	0.443	0.824	1.119	0.695	0.858	0.546	0.663
4/19/04 3:00 AM	0.447	0.828	1.116	0.690	0.854	0.549	0.663
4/19/04 4:00 AM	0.447	0.825	1.123	0.692	0.855	0.549	0.663
4/19/04 5:00 AM	0.450	0.827	1.122	0.693	0.854	0.550	0.663
4/19/04 6:00 AM	0.452	0.829	1.120	0.690	0.854	0.551	0.663
4/19/04 7:00 AM	0.454	0.829	1.122	0.690	0.854	0.552	0.665
4/19/04 8:00 AM	0.458	0.836	1.128	0.700	0.867	0.556	0.669
4/19/04 9:30 AM	0.466	0.844	1.133	0.701	0.869	0.561	0.674
4/19/04 10:30 AM	0.467	0.834	1.132	0.701	0.868	0.558	0.672
4/19/04 11:30 AM	0.467	0.831	1.134	0.696	0.867	0.557	0.673
4/19/04 12:30 PM	0.468	0.828	1.130	0.694	0.863	0.558	0.672
4/19/04 1:30 PM	0.471	0.833	1.128	0.696	0.865	0.560	0.672
4/19/04 2:30 PM	0.479	0.839	1.132	0.697	0.867	0.563	0.675
4/19/04 4:00 PM	0.479	0.844	1.136	0.702	0.858	0.563	0.676
4/19/04 5:00 PM	0.489	0.836	1.137	0.700	0.863	0.563	0.674
4/19/04 6:00 PM	0.482	0.831	1.133	0.698	0.860	0.562	0.672
4/19/04 7:00 PM	0.483	0.834	1.138	0.697	0.862	0.561	0.670
4/19/04 8:00 PM	0.479	0.842	1.134	0.696	0.866	0.560	0.669
4/19/04 9:00 PM	0.481	0.829	1.127	0.696	0.854	0.560	0.669
4/19/04 10:30 PM	0.483	0.829	1.120	0.693	0.853	0.557	0.668
4/19/04 11:30 PM	0.484	0.833	1.119	0.691	0.855	0.559	0.666
4/20/04 12:30 AM	0.484	0.825	1.116	0.697	0.853	0.559	0.667
4/20/04 1:30 AM	0.487	0.823	1.116	0.695	0.859	0.559	0.667
4/20/04 2:30 AM	0.490	0.821	1.118	0.694	0.855	0.560	0.667
4/20/04 3:30 AM	0.489	0.817	1.122	0.695	0.855	0.558	0.668
4/20/04 5:00 AM	0.491	0.829	1.124	0.688	0.855	0.562	0.667
4/20/04 6:00 AM	0.496	0.823	1.123	0.697	0.848	0.561	0.668
4/20/04 7:00 AM	0.497	0.834	1.124	0.696	0.860	0.564	0.669
4/20/04 8:00 AM	0.499	0.836	1.130	0.700	0.861	0.568	0.673
4/20/04 9:00 AM	0.504	0.836	1.135	0.702	0.865	0.568	0.677

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
4/20/04 10:00 AM	0.511	0.829	1.135	0.708	0.869	0.572	0.679
4/20/04 11:30 AM	0.530	0.831	1.137	0.710	0.869	0.573	0.679
4/20/04 12:30 PM	0.515	0.831	1.135	0.706	0.868	0.574	0.679
4/20/04 1:30 PM	0.520	0.833	1.136	0.706	0.870	0.574	0.678
4/20/04 2:30 PM	0.521	0.834	1.139	0.707	0.872	0.574	0.680
4/20/04 3:30 PM	0.518	0.844	1.137	0.708	0.873	0.580	0.682
4/20/04 4:30 PM	0.519	0.840	1.136	0.702	0.874	0.581	0.683
4/20/04 6:00 PM	0.519	0.832	1.127	0.703	0.880	0.576	0.677
4/20/04 7:00 PM	0.520	0.830	1.124	0.696	0.870	0.575	0.677
4/20/04 8:00 PM	0.519	0.833	1.123	0.700	0.870	0.577	0.675
4/20/04 9:00 PM	0.520	0.825	1.123	0.700	0.869	0.576	0.676
4/20/04 10:00 PM	0.521	0.834	1.122	0.701	0.867	0.576	0.677
4/20/04 11:00 PM	0.524	0.823	1.121	0.698	0.867	0.575	0.676
4/21/04 12:30 AM	0.525	0.823	1.117	0.697	0.867	0.575	0.677
4/21/04 1:30 AM	0.528	0.829	1.117	0.691	0.868	0.579	0.676
4/21/04 2:30 AM	0.528	0.826	1.115	0.692	0.869	0.579	0.675
4/21/04 3:30 AM	0.529	0.827	1.115	0.696	0.870	0.580	0.676
4/21/04 4:30 AM	0.530	0.828	1.117	0.699	0.871	0.582	0.678
4/21/04 5:30 AM	0.532	0.829	1.117	0.710	0.871	0.582	0.679
4/21/04 7:00 AM	0.561	0.833	1.122	0.700	0.872	0.587	0.679
4/21/04 8:00 AM	0.542	0.822	1.117	0.702	0.872	0.590	0.681
4/21/04 9:00 AM	0.543	0.828	1.123	0.699	0.877	0.591	0.687
4/21/04 10:00 AM	0.546	0.837	1.125	0.710	0.872	0.592	0.689
4/21/04 11:00 AM	0.549	0.833	1.126	0.708	0.872	0.593	0.689
4/21/04 12:00 PM	0.546	0.834	1.118	0.704	0.873	0.591	0.686
4/21/04 1:30 PM	0.550	0.836	1.124	0.701	0.876	0.595	0.686
4/21/04 2:30 PM	0.552	0.839	1.127	0.707	0.880	0.600	0.689
4/21/04 3:30 PM	0.554	0.835	1.127	0.710	0.882	0.599	0.692
4/21/04 4:30 PM	0.557	0.839	1.124	0.712	0.880	0.597	0.695
4/21/04 5:30 PM	0.558	0.832	1.119	0.705	0.878	0.599	0.693
4/21/04 6:30 PM	0.556	0.829	1.115	0.706	0.875	0.599	0.693
4/21/04 8:00 PM	0.553	0.834	1.113	0.706	0.870	0.603	0.696
4/21/04 9:00 PM	0.555	0.840	1.112	0.702	0.870	0.607	0.698
4/21/04 10:00 PM	0.556	0.837	1.114	0.703	0.874	0.607	0.700
4/21/04 11:00 PM	0.561	0.832	1.111	0.707	0.870	0.610	0.702
4/22/04 12:00 AM	0.570	0.835	1.113	0.703	0.872	0.612	0.704
4/22/04 1:00 AM	0.568	0.832	1.121	0.705	0.864	0.616	0.705
4/22/04 2:30 AM	0.569	0.828	1.108	0.705	0.871	0.619	0.710
4/22/04 3:30 AM	0.570	0.831	1.119	0.706	0.872	0.621	0.711
4/22/04 4:30 AM	0.576	0.827	1.117	0.702	0.872	0.622	0.713
4/22/04 5:30 AM	0.571	0.826	1.110	0.702	0.872	0.624	0.715
4/22/04 6:30 AM	0.589	0.829	1.113	0.700	0.869	0.627	0.715

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
4/22/04 7:30 AM	0.591	0.833	1.110	0.710	0.873	0.627	0.717
4/22/04 9:00 AM	0.582	0.834	1.119	0.712	0.867	0.633	0.726
4/22/04 10:00 AM	0.587	0.845	1.130	0.712	0.886	0.643	0.732
4/22/04 11:00 AM	0.589	0.842	1.124	0.720	0.884	0.643	0.730
4/22/04 12:00 PM	0.583	0.829	1.117	0.712	0.876	0.639	0.728
4/22/04 1:00 PM	0.594	0.834	1.121	0.708	0.874	0.640	0.727
4/22/04 2:00 PM	0.592	0.839	1.116	0.707	0.878	0.645	0.728
4/22/04 3:30 PM	0.606	0.840	1.122	0.720	0.881	0.649	0.735
4/22/04 4:30 PM	0.599	0.841	1.121	0.712	0.882	0.652	0.736
4/22/04 5:30 PM	0.602	0.848	1.112	0.714	0.878	0.648	0.732
4/22/04 6:30 PM	0.598	0.851	1.114	0.711	0.876	0.647	0.729
4/22/04 7:30 PM	0.586	0.844	1.120	0.710	0.870	0.651	0.731
4/22/04 8:30 PM	0.583	0.841	1.122	0.707	0.873	0.650	0.729
4/22/04 10:00 PM	0.588	0.827	1.113	0.712	0.873	0.652	0.730
4/22/04 11:00 PM	0.603	0.830	1.101	0.715	0.871	0.653	0.730
4/23/04 12:00 AM	0.589	0.829	1.097	0.712	0.871	0.652	0.731
4/23/04 1:00 AM	0.594	0.833	1.103	0.712	0.871	0.653	0.731
4/23/04 2:00 AM	0.591	0.830	1.112	0.712	0.870	0.657	0.731
4/23/04 3:00 AM	0.608	0.829	1.119	0.702	0.871	0.656	0.732
4/23/04 4:30 AM	0.593	0.831	1.111	0.707	0.871	0.659	0.729
4/23/04 5:30 AM	0.602	0.828	1.107	0.708	0.872	0.659	0.731
4/23/04 6:30 AM	0.606	0.826	1.111	0.713	0.869	0.658	0.732
4/23/04 7:30 AM	0.603	0.830	1.112	0.710	0.872	0.663	0.735
4/23/04 8:30 AM	0.610	0.849	1.123	0.721	0.883	0.675	0.742
4/23/04 9:30 AM	0.605	0.850	1.118	0.720	0.878	0.674	0.741
4/23/04 11:00 AM	0.625	0.841	1.124	0.726	0.881	0.672	0.742
4/23/04 12:00 PM	0.637	0.850	1.138	0.730	0.896	0.682	0.750
4/23/04 1:00 PM	0.630	0.846	1.131	0.722	0.897	0.677	0.748
4/23/04 2:00 PM	0.638	0.846	1.136	0.726	0.894	0.685	0.752
4/23/04 3:00 PM	0.643	0.848	1.126	0.724	0.883	0.677	0.745
4/23/04 4:00 PM	0.647	0.850	1.129	0.733	0.886	0.682	0.746
4/23/04 5:30 PM	0.642	0.843	1.122	0.725	0.885	0.684	0.745
4/23/04 6:30 PM	0.645	0.836	1.116	0.730	0.882	0.684	0.743
4/23/04 7:30 PM	0.627	0.832	1.131	0.720	0.880	0.679	0.740
4/23/04 8:30 PM	0.626	0.833	1.113	0.724	0.874	0.681	0.738
4/23/04 9:30 PM	0.613	0.837	1.107	0.727	0.873	0.682	0.735
4/23/04 10:30 PM	0.613	0.827	1.107	0.727	0.872	0.682	0.735
4/24/04 12:00 AM	0.614	0.834	1.093	0.719	0.871	0.684	0.733
4/24/04 1:00 AM	0.611	0.833	1.094	0.723	0.874	0.683	0.734
4/24/04 2:00 AM	0.640	0.830	1.101	0.723	0.869	0.686	0.733
4/24/04 3:00 AM	0.629	0.834	1.102	0.720	0.870	0.687	0.734
4/24/04 4:00 AM	0.610	0.834	1.100	0.723	0.866	0.689	0.735

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
4/24/04 5:00 AM	0.612	0.835	1.096	0.723	0.871	0.686	0.734
4/24/04 6:30 AM	0.614	0.834	1.100	0.728	0.872	0.689	0.736
4/24/04 7:30 AM	0.617	0.830	1.112	0.722	0.874	0.695	0.738
4/24/04 8:30 AM	0.646	0.842	1.116	0.735	0.882	0.699	0.744
4/24/04 9:30 AM	0.638	0.842	1.117	0.735	0.881	0.704	0.745
4/24/04 10:30 AM	0.631	0.846	1.122	0.735	0.882	0.709	0.746
4/24/04 11:30 AM	0.623	0.849	1.127	0.737	0.877	0.708	0.747
4/24/04 1:00 PM	0.635	0.855	1.135	0.739	0.895	0.719	0.753
4/24/04 2:00 PM	0.646	0.861	1.147	0.744	0.903	0.726	0.762
4/24/04 3:00 PM	0.634	0.853	1.141	0.739	0.885	0.716	0.751
4/24/04 4:00 PM	0.640	0.861	1.136	0.747	0.883	0.718	0.752
4/24/04 5:00 PM	0.640	0.858	1.131	0.745	0.882	0.717	0.749
4/24/04 6:00 PM	0.660	0.872	1.158	0.761	0.915	0.735	0.770
4/24/04 7:30 PM	0.634	0.856	1.116	0.742	0.875	0.715	0.741
4/24/04 8:30 PM	0.637	0.851	1.115	0.745	0.870	0.712	0.742
4/24/04 9:30 PM	0.648	0.839	1.112	0.819	0.872	0.712	0.741
4/24/04 10:30 PM	0.648	0.837	1.113	0.821	0.872	0.717	0.740
4/24/04 11:30 PM	0.652	0.835	1.121	0.831	0.869	0.714	0.738
4/25/04 12:30 AM	0.646	0.838	1.113	0.843	0.869	0.712	0.739
4/25/04 2:00 AM	0.652	0.839	1.114	0.854	0.868	0.716	0.737
4/25/04 3:00 AM	0.652	0.842	1.115	0.862	0.863	0.713	0.737
4/25/04 4:00 AM	0.654	0.832	1.110	0.864	0.866	0.712	0.738
4/25/04 5:00 AM	0.652	0.835	1.111	0.875	0.873	0.714	0.738
4/25/04 6:00 AM	0.660	0.840	1.113	0.873	0.869	0.716	0.737
4/25/04 7:00 AM	0.655	0.839	1.120	0.876	0.870	0.714	0.737
4/25/04 8:30 AM	0.663	0.858	1.133	0.897	0.885	0.736	0.754
4/25/04 9:30 AM	0.666	0.860	1.128	0.889	0.877	0.731	0.750
4/25/04 10:30 AM	0.667	0.866	1.132	0.886	0.881	0.733	0.748
4/25/04 11:30 AM	0.663	0.870	1.134	0.884	0.884	0.733	0.749
4/25/04 12:30 PM	0.671	0.875	1.155	0.911	0.901	0.743	0.763
4/25/04 1:30 PM	0.688	0.883	1.151	0.913	0.906	0.744	0.769
4/25/04 3:00 PM	0.677	0.874	1.137	0.893	0.891	0.740	0.751
4/25/04 4:00 PM	0.676	0.874	1.145	0.891	0.893	0.738	0.755
4/25/04 5:00 PM	0.690	0.873	1.130	0.891	0.888	0.736	0.751
4/25/04 6:00 PM	0.706	0.888	1.150	0.904	0.917	0.750	0.768
4/25/04 7:00 PM	0.678	0.877	1.134	0.895	0.889	0.741	0.752
4/25/04 8:00 PM	0.677	0.874	1.132	0.888	0.884	0.733	0.746
4/25/04 9:30 PM	0.673	0.857	1.124	0.882	0.879	0.733	0.745
4/25/04 10:30 PM	0.670	0.870	1.122	0.877	0.885	0.734	0.741
4/25/04 11:30 PM	0.683	0.863	1.125	0.877	0.877	0.731	0.741
4/26/04 12:30 AM	0.668	0.870	1.124	0.866	0.878	0.732	0.740
4/26/04 1:30 AM	0.665	0.860	1.123	0.869	0.876	0.732	0.739

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
4/26/04 2:30 AM	0.676	0.867	1.123	0.873	0.876	0.733	0.740
4/26/04 4:00 AM	0.681	0.862	1.122	0.875	0.871	0.731	0.740
4/26/04 5:00 AM	0.673	0.865	1.115	0.879	0.868	0.736	0.738
4/26/04 6:00 AM	0.675	0.865	1.122	0.879	0.868	0.737	0.740
4/26/04 7:00 AM	0.688	0.862	1.121	0.879	0.874	0.738	0.742
4/26/04 8:00 AM	0.690	0.875	1.135	0.894	0.892	0.749	0.751
4/26/04 9:00 AM	0.710	0.893	1.163	0.924	0.911	0.765	0.770
4/26/04 10:30 AM	0.686	0.879	1.143	0.895	0.883	0.750	0.752
4/26/04 11:30 AM	0.679	0.876	1.142	0.886	0.886	0.752	0.750
4/26/04 12:30 PM	0.683	0.876	1.144	0.892	0.889	0.752	0.754
4/26/04 1:30 PM	0.688	0.876	1.149	0.894	0.900	0.757	0.755
4/26/04 2:30 PM	0.677	0.878	1.145	0.891	0.897	0.755	0.751
4/26/04 3:30 PM	0.677	0.882	1.143	0.896	0.893	0.753	0.754
4/26/04 5:00 PM	0.705	0.889	1.166	0.906	0.907	0.770	0.769
4/26/04 6:00 PM	0.687	0.881	1.154	0.902	0.896	0.760	0.757
4/26/04 7:00 PM	0.682	0.881	1.149	0.892	0.892	0.757	0.760
4/26/04 8:00 PM	0.679	0.872	1.140	0.896	0.887	0.754	0.749
4/26/04 9:00 PM	0.673	0.868	1.134	0.891	0.890	0.752	0.748
4/26/04 10:00 PM	0.674	0.866	1.129	0.880	0.886	0.747	0.744
4/26/04 11:30 PM	0.673	0.862	1.132	0.887	0.890	0.745	0.742
4/27/04 12:30 AM	0.671	0.861	1.127	0.891	0.885	0.746	0.742
4/27/04 1:30 AM	0.671	0.852	1.125	0.886	0.881	0.749	0.741
4/27/04 2:30 AM	0.674	0.861	1.125	0.884	0.880	0.748	0.740
4/27/04 3:30 AM	0.673	0.863	1.127	0.887	0.879	0.746	0.741
4/27/04 4:30 AM	0.673	0.855	1.121	0.884	0.873	0.751	0.740
4/27/04 6:00 AM	0.676	0.857	1.121	0.878	0.880	0.748	0.742
4/27/04 7:00 AM	0.672	0.846	1.121	0.879	0.876	0.754	0.742
4/27/04 8:00 AM	0.686	0.859	1.132	0.886	0.881	0.759	0.747
4/27/04 9:00 AM	0.705	0.876	1.148	0.899	0.898	0.768	0.759
4/27/04 10:00 AM	0.693	0.875	1.138	0.893	0.883	0.768	0.755
4/27/04 11:00 AM	0.686	0.875	1.150	0.886	0.885	0.768	0.754
4/27/04 12:30 PM	0.704	0.878	1.151	0.904	0.902	0.774	0.767
4/27/04 1:30 PM	0.708	0.893	1.166	0.919	0.910	0.786	0.774
4/27/04 2:30 PM	0.705	0.881	1.174	0.922	0.918	0.788	0.781
4/27/04 3:30 PM	0.720	0.879	1.160	0.905	0.896	0.779	0.767
4/27/04 4:30 PM	0.721	0.881	1.170	0.918	0.910	0.788	0.777
4/27/04 5:30 PM	0.704	0.870	1.146	0.889	0.891	0.772	0.758
4/27/04 7:00 PM	0.696	0.859	1.147	0.893	0.888	0.773	0.756
4/27/04 8:00 PM	0.694	0.862	1.133	0.886	0.879	0.774	0.747
4/27/04 9:00 PM	0.694	0.857	1.132	0.890	0.886	0.772	0.746
4/27/04 10:00 PM	0.682	0.857	1.128	0.886	0.879	0.773	0.744
4/27/04 11:00 PM	0.682	0.856	1.128	0.883	0.877	0.779	0.744

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
4/28/04 12:00 AM	0.687	0.858	1.127	0.881	0.876	0.779	0.744
4/28/04 1:30 AM	0.693	0.857	1.131	0.887	0.878	0.788	0.743
4/28/04 2:30 AM	0.690	0.862	1.128	0.883	0.878	0.791	0.743
4/28/04 3:30 AM	0.690	0.858	1.119	0.884	0.877	0.796	0.744
4/28/04 4:30 AM	0.693	0.863	1.115	0.882	0.878	0.797	0.744
4/28/04 5:30 AM	0.701	0.856	1.116	0.881	0.890	0.803	0.746
4/28/04 6:30 AM	0.699	0.864	1.118	0.888	0.889	0.810	0.745
4/28/04 8:00 AM	0.710	0.873	1.136	0.895	0.897	0.829	0.759
4/28/04 9:00 AM	0.717	0.886	1.142	0.905	0.901	0.838	0.763
4/28/04 10:00 AM	0.712	0.879	1.135	0.893	0.895	0.835	0.760
4/28/04 11:00 AM	0.709	0.873	1.134	0.897	0.892	0.839	0.756
4/28/04 12:00 PM	0.729	0.887	1.150	0.907	0.913	0.855	0.771
4/28/04 1:00 PM	0.704	0.879	1.132	0.893	0.897	0.846	0.756
4/28/04 2:30 PM	0.724	0.899	1.156	0.923	0.924	0.873	0.780
4/28/04 3:30 PM	0.719	0.880	1.129	0.893	0.896	0.853	0.758
4/28/04 4:30 PM	0.748	0.892	1.153	0.923	0.920	0.879	0.782
4/28/04 5:30 PM	0.745	0.888	1.150	0.913	0.913	0.874	0.774
4/28/04 6:30 PM	0.714	0.870	1.118	0.888	0.890	0.854	0.752
4/28/04 7:30 PM	0.715	0.866	1.114	0.888	0.890	0.855	0.753
4/28/04 9:00 PM	0.731	0.868	1.118	0.890	0.894	0.858	0.753
4/28/04 10:00 PM	0.721	0.865	1.118	0.884	0.884	0.856	0.750
4/28/04 11:00 PM	0.708	0.861	1.111	0.885	0.884	0.858	0.748
4/29/04 12:00 AM	0.706	0.862	1.111	0.882	0.886	0.858	0.748
4/29/04 1:00 AM	0.714	0.865	1.111	0.887	0.884	0.860	0.748
4/29/04 2:00 AM	0.724	0.855	1.108	0.881	0.883	0.861	0.747
4/29/04 3:30 AM	0.710	0.859	1.106	0.863	0.881	0.859	0.748
4/29/04 4:30 AM	0.711	0.858	1.112	0.859	0.880	0.861	0.746
4/29/04 5:30 AM	0.710	0.855	1.102	0.848	0.876	0.858	0.745
4/29/04 6:30 AM	0.706	0.855	1.109	0.846	0.880	0.859	0.747
4/29/04 7:30 AM	0.704	0.862	1.108	0.849	0.881	0.862	0.748
4/29/04 8:30 AM	0.718	0.864	1.115	0.856	0.885	0.870	0.755
4/29/04 10:00 AM	0.725	0.876	1.118	0.855	0.899	0.875	0.758
4/29/04 11:00 AM	0.753	0.891	1.156	0.885	0.941	0.902	0.782
4/29/04 12:00 PM	0.749	0.884	1.140	0.879	0.916	0.894	0.776
4/29/04 1:00 PM	0.736	0.881	1.131	0.863	0.897	0.879	0.763
4/29/04 2:00 PM	0.731	0.885	1.133	0.873	0.905	0.890	0.773
4/29/04 3:00 PM	0.710	0.874	1.120	0.857	0.889	0.871	0.759
4/29/04 4:30 PM	0.723	0.890	1.135	0.891	0.926	0.899	0.784
4/29/04 5:30 PM	0.704	0.871	1.113	0.852	0.886	0.871	0.755
4/29/04 6:30 PM	0.710	0.862	1.114	0.849	0.881	0.865	0.750
4/29/04 7:30 PM	0.702	0.862	1.099	0.849	0.877	0.860	0.749
4/29/04 8:30 PM	0.702	0.861	1.097	0.847	0.876	0.859	0.746

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
4/29/04 9:30 PM	0.704	0.864	1.097	0.845	0.874	0.857	0.744
4/29/04 11:00 PM	0.698	0.859	1.093	0.867	0.873	0.856	0.744
4/30/04 12:00 AM	0.707	0.856	1.095	0.867	0.872	0.855	0.743
4/30/04 1:00 AM	0.704	0.862	1.093	0.869	0.872	0.854	0.744
4/30/04 2:00 AM	0.696	0.855	1.090	0.859	0.874	0.854	0.745
4/30/04 3:00 AM	0.695	0.857	1.091	0.861	0.881	0.853	0.744
4/30/04 4:00 AM	0.703	0.853	1.090	0.870	0.874	0.852	0.742
4/30/04 5:30 AM	0.706	0.852	1.092	0.871	0.874	0.850	0.742
4/30/04 6:30 AM	0.713	0.855	1.094	0.872	0.874	0.851	0.742
4/30/04 7:30 AM	0.709	0.856	1.092	0.872	0.877	0.853	0.745
4/30/04 8:30 AM	0.717	0.867	1.105	0.887	0.893	0.866	0.758
4/30/04 9:30 AM	0.739	0.884	1.139	0.910	0.917	0.887	0.779
4/30/04 10:30 AM	0.742	0.883	1.133	0.914	0.935	0.889	0.778
4/30/04 12:00 PM	0.713	0.867	1.106	0.881	0.890	0.862	0.751
4/30/04 1:00 PM	0.713	0.856	1.100	0.880	0.884	0.855	0.749
4/30/04 2:00 PM	0.716	0.857	1.100	0.881	0.887	0.859	0.752
4/30/04 3:00 PM	0.727	0.870	1.115	0.881	0.889	0.863	0.757
4/30/04 4:00 PM	0.734	0.866	1.112	0.885	0.892	0.862	0.756
4/30/04 5:00 PM	0.734	0.870	1.107	0.888	0.894	0.863	0.758
4/30/04 6:30 PM	0.744	0.864	1.095	0.882	0.891	0.856	0.750
4/30/04 7:30 PM	0.728	0.852	1.098	0.876	0.885	0.851	0.746
4/30/04 8:30 PM	0.728	0.840	1.091	0.877	0.883	0.849	0.745
4/30/04 9:30 PM	0.722	0.853	1.087	0.859	0.883	0.849	0.744
4/30/04 10:30 PM	0.722	0.854	1.083	0.870	0.884	0.848	0.742
4/30/04 11:30 PM	0.710	0.853	1.083	0.872	0.874	0.847	0.742
5/1/04 1:00 AM	0.720	0.852	1.082	0.872	0.874	0.846	0.741
5/1/04 2:00 AM	0.720	0.857	1.087	0.864	0.873	0.845	0.740
5/1/04 3:00 AM	0.718	0.849	1.081	0.867	0.871	0.844	0.742
5/1/04 4:00 AM	0.722	0.854	1.088	0.870	0.879	0.845	0.740
5/1/04 5:00 AM	0.721	0.859	1.087	0.870	0.872	0.845	0.741
5/1/04 6:00 AM	0.732	0.853	1.086	0.870	0.890	0.843	0.741
5/1/04 7:30 AM	0.723	0.849	1.098	0.869	0.890	0.848	0.748
5/1/04 8:30 AM	0.731	0.869	1.110	0.879	0.908	0.863	0.758
5/1/04 9:30 AM	0.746	0.872	1.103	0.874	0.910	0.865	0.759
5/1/04 10:30 AM	0.740	0.864	1.106	0.872	0.908	0.858	0.754
5/1/04 11:30 AM	0.752	0.868	1.109	0.881	0.906	0.864	0.760
5/1/04 12:30 PM	0.744	0.858	1.106	0.872	0.896	0.855	0.753
5/1/04 2:00 PM	0.741	0.862	1.110	0.872	0.916	0.859	0.753
5/1/04 3:00 PM	0.741	0.859	1.107	0.872	0.917	0.859	0.755
5/1/04 4:00 PM	0.738	0.864	1.112	0.884	0.912	0.860	0.758
5/1/04 5:00 PM	0.732	0.860	1.111	0.883	0.899	0.861	0.756
5/1/04 6:00 PM	0.734	0.855	1.101	0.871	0.887	0.852	0.750

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
5/1/04 7:00 PM	0.750	0.854	1.103	0.869	0.880	0.851	0.747
5/1/04 8:30 PM	0.715	0.848	1.095	0.871	0.879	0.851	0.748
5/1/04 9:30 PM	0.715	0.846	1.098	0.872	0.877	0.847	0.746
5/1/04 10:30 PM	0.718	0.849	1.092	0.872	0.866	0.847	0.746
5/1/04 11:30 PM	0.735	0.848	1.099	0.872	0.896	0.845	0.745
5/2/04 12:30 AM	0.731	0.839	1.096	0.867	0.886	0.844	0.745
5/2/04 1:30 AM	0.750	0.841	1.099	0.871	0.871	0.844	0.744
5/2/04 3:00 AM	0.715	0.844	1.089	0.871	0.871	0.846	0.743
5/2/04 4:00 AM	0.717	0.844	1.084	0.873	0.871	0.846	0.744
5/2/04 5:00 AM	0.713	0.841	1.085	0.872	0.872	0.844	0.742
5/2/04 6:00 AM	0.710	0.840	1.087	0.868	0.868	0.844	0.742
5/2/04 7:00 AM	0.709	0.843	1.109	0.867	0.867	0.847	0.744
5/2/04 8:00 AM	0.726	0.857	1.113	0.884	0.887	0.863	0.760
5/2/04 9:30 AM	0.733	0.861	1.115	0.894	0.895	0.867	0.762
5/2/04 10:30 AM	0.728	0.853	1.100	0.880	0.895	0.860	0.756
5/2/04 11:30 AM	0.728	0.848	1.099	0.879	0.892	0.860	0.754
5/2/04 12:30 PM	0.728	0.851	1.095	0.879	0.909	0.859	0.756
5/2/04 1:30 PM	0.732	0.849	1.095	0.878	0.898	0.862	0.756
5/2/04 2:30 PM	0.734	0.852	1.103	0.880	0.890	0.861	0.758
5/2/04 4:00 PM	0.734	0.849	1.100	0.888	0.887	0.864	0.759
5/2/04 5:00 PM	0.732	0.849	1.099	0.882	0.891	0.861	0.756
5/2/04 6:00 PM	0.733	0.846	1.098	0.882	0.902	0.864	0.755
5/2/04 7:00 PM	0.727	0.838	1.087	0.876	0.892	0.857	0.752
5/2/04 8:00 PM	0.724	0.838	1.094	0.875	0.874	0.857	0.751
5/2/04 9:00 PM	0.725	0.841	1.081	0.874	0.878	0.853	0.749
5/2/04 10:30 PM	0.718	0.840	1.089	0.872	0.859	0.853	0.747
5/2/04 11:30 PM	0.711	0.841	1.082	0.874	0.879	0.852	0.747
5/3/04 12:30 AM	0.711	0.838	1.084	0.875	0.875	0.854	0.749
5/3/04 1:30 AM	0.720	0.840	1.082	0.873	0.867	0.854	0.746
5/3/04 2:30 AM	0.718	0.838	1.088	0.874	0.875	0.853	0.747
5/3/04 3:30 AM	0.722	0.853	1.087	0.875	0.874	0.854	0.747
5/3/04 5:00 AM	0.718	0.847	1.088	0.874	0.888	0.853	0.750
5/3/04 6:00 AM	0.722	0.834	1.084	0.876	0.882	0.854	0.748
5/3/04 7:00 AM	0.721	0.832	1.094	0.878	0.884	0.854	0.749
5/3/04 8:00 AM	0.746	0.852	1.122	0.894	0.891	0.873	0.762
5/3/04 9:00 AM	0.745	0.865	1.119	0.895	0.919	0.877	0.771
5/3/04 10:00 AM	0.733	0.849	1.112	0.889	0.916	0.866	0.760
5/3/04 11:30 AM	0.736	0.847	1.099	0.879	0.916	0.865	0.758
5/3/04 12:30 PM	0.744	0.861	1.128	0.901	0.928	0.882	0.775
5/3/04 1:30 PM	0.737	0.848	1.108	0.883	0.919	0.873	0.764
5/3/04 2:30 PM	0.735	0.849	1.108	0.884	0.909	0.868	0.759
5/3/04 3:30 PM	0.731	0.851	1.114	0.883	0.902	0.870	0.762

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
5/3/04 4:30 PM	0.733	0.851	1.110	0.872	0.901	0.868	0.760
5/3/04 6:00 PM	0.738	0.854	1.107	0.900	0.909	0.879	0.767
5/3/04 7:00 PM	0.744	0.845	1.113	0.900	0.909	0.876	0.769
5/3/04 8:00 PM	0.735	0.839	1.097	0.883	0.890	0.863	0.756
5/3/04 9:00 PM	0.755	0.857	1.120	0.909	0.919	0.889	0.777
5/3/04 10:00 PM	0.731	0.837	1.094	0.866	0.888	0.863	0.754
5/3/04 11:00 PM	0.726	0.836	1.083	0.872	0.887	0.857	0.752
5/4/04 12:30 AM	0.729	0.839	1.089	0.881	0.889	0.861	0.754
5/4/04 1:30 AM	0.732	0.835	1.088	0.881	0.885	0.862	0.755
5/4/04 2:30 AM	0.727	0.838	1.089	0.882	0.890	0.860	0.754
5/4/04 3:30 AM	0.725	0.836	1.087	0.880	0.898	0.861	0.755
5/4/04 4:30 AM	0.719	0.836	1.084	0.884	0.895	0.858	0.754
5/4/04 5:30 AM	0.712	0.828	1.087	0.881	0.886	0.855	0.750
5/4/04 7:00 AM	0.727	0.837	1.081	0.891	0.895	0.859	0.752
5/4/04 8:00 AM	0.764	0.851	1.131	0.924	0.928	0.887	0.782
5/4/04 9:00 AM	0.778	0.864	1.130	0.943	0.934	0.902	0.795
5/4/04 10:00 AM	0.749	0.844	1.096	0.906	0.895	0.867	0.762
5/4/04 11:00 AM	0.750	0.842	1.098	0.903	0.897	0.868	0.762
5/4/04 12:00 PM	0.771	0.862	1.127	0.940	0.930	0.897	0.790
5/4/04 1:30 PM	0.767	0.864	1.132	0.940	0.934	0.902	0.796
5/4/04 2:30 PM	0.739	0.844	1.099	0.905	0.896	0.867	0.761
5/4/04 3:30 PM	0.731	0.838	1.111	0.907	0.894	0.868	0.765
5/4/04 4:30 PM	0.748	0.845	1.094	0.895	0.896	0.867	0.762
5/4/04 5:30 PM	0.772	0.856	1.128	0.934	0.934	0.899	0.794
5/4/04 6:30 PM	0.761	0.847	1.115	0.919	0.919	0.885	0.779
5/4/04 8:00 PM	0.736	0.834	1.090	0.894	0.887	0.864	0.758
5/4/04 9:00 PM	0.731	0.831	1.091	0.894	0.892	0.862	0.758
5/4/04 10:00 PM	0.736	0.841	1.096	0.900	0.897	0.868	0.763
5/4/04 11:00 PM	0.744	0.847	1.105	0.914	0.907	0.878	0.772
5/5/04 12:00 AM	0.747	0.843	1.106	0.913	0.910	0.879	0.775
5/5/04 1:00 AM	0.765	0.853	1.121	0.934	0.927	0.895	0.789
5/5/04 2:30 AM	0.735	0.833	1.090	0.909	0.894	0.867	0.760
5/5/04 3:30 AM	0.743	0.836	1.097	0.915	0.900	0.874	0.767
5/5/04 4:30 AM	0.721	0.832	1.090	0.897	0.893	0.868	0.762
5/5/04 5:30 AM	0.719	0.831	1.096	0.912	0.899	0.871	0.767
5/5/04 6:30 AM	0.719	0.835	1.095	0.904	0.899	0.872	0.767
5/5/04 7:30 AM	0.744	0.849	1.121	0.936	0.927	0.896	0.792
5/5/04 9:00 AM	0.769	0.856	1.129	0.941	0.933	0.902	0.799
5/5/04 10:00 AM	0.784	0.860	1.144	0.940	0.939	0.904	0.801
5/5/04 11:00 AM	0.744	0.834	1.097	0.898	0.897	0.866	0.766
5/5/04 12:00 PM	0.772	0.856	1.131	0.935	0.937	0.901	0.796
5/5/04 1:00 PM	0.772	0.855	1.134	0.939	0.932	0.899	0.796

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
5/5/04 2:00 PM	0.781	0.851	1.130	0.944	0.940	0.899	0.795
5/5/04 3:30 PM	0.738	0.834	1.086	0.903	0.905	0.866	0.766
5/5/04 4:30 PM	0.740	0.849	1.126	0.930	0.944	0.901	0.799
5/5/04 5:30 PM	0.743	0.828	1.084	0.898	0.904	0.868	0.766
5/5/04 6:30 PM	0.769	0.849	1.095	0.928	0.941	0.895	0.794
5/5/04 7:30 PM	0.770	0.839	1.098	0.925	0.931	0.896	0.790
5/5/04 8:30 PM	0.769	0.856	1.104	0.927	0.933	0.894	0.792
5/5/04 10:00 PM	0.765	0.845	1.097	0.930	0.934	0.893	0.792
5/5/04 11:00 PM	0.765	0.838	1.096	0.921	0.927	0.888	0.785
5/6/04 12:00 AM	0.749	0.825	1.080	0.899	0.903	0.871	0.770
5/6/04 1:00 AM	0.743	0.824	1.074	0.896	0.906	0.866	0.767
5/6/04 2:00 AM	0.745	0.827	1.076	0.901	0.904	0.868	0.768
5/6/04 3:00 AM	0.756	0.835	1.089	0.901	0.918	0.878	0.776
5/6/04 4:30 AM	0.754	0.824	1.090	0.902	0.915	0.877	0.775
5/6/04 5:30 AM	0.758	0.834	1.087	0.906	0.915	0.877	0.778
5/6/04 6:30 AM	0.764	0.842	1.103	0.922	0.934	0.894	0.789
5/6/04 7:30 AM	0.766	0.841	1.103	0.920	0.935	0.895	0.792
5/6/04 8:30 AM	0.769	0.842	1.110	0.923	0.940	0.898	0.797
5/6/04 9:30 AM	0.775	0.842	1.103	0.917	0.931	0.892	0.794
5/6/04 11:00 AM	0.769	0.840	1.097	0.911	0.924	0.888	0.788
5/6/04 12:00 PM	0.751	0.833	1.081	0.896	0.907	0.874	0.773
5/6/04 1:00 PM	0.746	0.823	1.077	0.890	0.904	0.869	0.771
5/6/04 2:00 PM	0.749	0.826	1.079	0.892	0.911	0.870	0.772
5/6/04 3:00 PM	0.754	0.827	1.080	0.888	0.903	0.868	0.768
5/6/04 4:00 PM	0.744	0.818	1.077	0.887	0.898	0.863	0.769
5/6/04 5:30 PM	0.744	0.822	1.080	0.889	0.902	0.869	0.769
5/6/04 6:30 PM	0.764	0.839	1.104	0.918	0.930	0.893	0.794
5/6/04 7:30 PM	0.759	0.836	1.107	0.920	0.930	0.894	0.795
5/6/04 8:30 PM	0.768	0.829	1.115	0.914	0.940	0.891	0.793
5/6/04 9:30 PM	0.768	0.828	1.103	0.919	0.930	0.891	0.793
5/6/04 10:30 PM	0.767	0.829	1.101	0.917	0.927	0.891	0.788
5/7/04 12:00 AM	0.767	0.826	1.107	0.913	0.919	0.888	0.791
5/7/04 1:00 AM	0.743	0.807	1.073	0.890	0.899	0.865	0.767
5/7/04 2:00 AM	0.748	0.813	1.078	0.900	0.908	0.873	0.775
5/7/04 3:00 AM	0.764	0.826	1.101	0.918	0.928	0.891	0.793
5/7/04 4:00 AM	0.765	0.827	1.100	0.916	0.928	0.893	0.792
5/7/04 5:00 AM	0.770	0.822	1.093	0.910	0.940	0.891	0.793
5/7/04 6:30 AM	0.769	0.831	1.100	0.918	0.923	0.893	0.793
5/7/04 7:30 AM	0.774	0.822	1.098	0.921	0.940	0.896	0.796
5/7/04 8:30 AM	0.765	0.818	1.095	0.912	0.923	0.890	0.792
5/7/04 9:30 AM	0.766	0.827	1.107	0.929	0.937	0.901	0.804
5/7/04 10:30 AM	0.744	0.805	1.070	0.885	0.898	0.865	0.770

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
5/7/04 11:30 AM	0.769	0.819	1.105	0.919	0.930	0.894	0.800
5/7/04 1:00 PM	0.795	0.825	1.122	0.928	0.935	0.899	0.802
5/7/04 2:00 PM	0.804	0.823	1.112	0.926	0.938	0.900	0.804
5/7/04 3:00 PM	0.774	0.816	1.073	0.883	0.896	0.868	0.772
5/7/04 4:00 PM	0.753	0.799	1.073	0.882	0.896	0.865	0.773
5/7/04 5:00 PM	0.782	0.824	1.110	0.924	0.931	0.897	0.804
5/7/04 6:00 PM	0.775	0.818	1.108	0.923	0.932	0.894	0.802
5/7/04 7:30 PM	0.778	0.821	1.100	0.911	0.927	0.891	0.797
5/7/04 8:30 PM	0.769	0.815	1.103	0.921	0.920	0.891	0.798
5/7/04 9:30 PM	0.775	0.818	1.102	0.919	0.926	0.890	0.799
5/7/04 10:30 PM	0.773	0.816	1.090	0.906	0.917	0.884	0.791
5/7/04 11:30 PM	0.775	0.82	1.098	0.913	0.923	0.891	0.796
5/8/04 12:30 AM	0.776	0.813	1.103	0.915	0.922	0.89	0.796
5/8/04 2:00 AM	0.773	0.817	1.11	0.92	0.93	0.891	0.797
5/8/04 3:00 AM	0.767	0.807	1.091	0.904	0.919	0.876	0.785
5/8/04 4:00 AM	0.739	0.792	1.066	0.879	0.885	0.853	0.764
5/8/04 5:00 AM	0.743	0.789	1.063	0.88	0.896	0.854	0.761
5/8/04 6:00 AM	0.747	0.789	1.06	0.871	0.892	0.849	0.761
5/8/04 7:00 AM	0.74	0.788	1.063	0.882	0.882	0.849	0.76
5/8/04 8:30 AM	0.782	0.818	1.103	0.905	0.932	0.894	0.803
5/8/04 9:30 AM	0.781	0.825	1.117	0.928	0.937	0.897	0.81
5/8/04 10:30 AM	0.748	0.802	1.071	0.881	0.895	0.862	0.774
5/8/04 11:30 AM	0.765	0.803	1.07	0.882	0.89	0.862	0.774
5/8/04 12:30 PM	0.784	0.819	1.114	0.92	0.933	0.898	0.806
5/8/04 1:30 PM	0.784	0.823	1.104	0.926	0.933	0.898	0.805
5/8/04 3:00 PM	0.752	0.791	1.064	0.891	0.892	0.863	0.775
5/8/04 4:00 PM	0.751	0.793	1.068	0.892	0.894	0.864	0.775
5/8/04 5:00 PM	0.751	0.788	1.063	0.883	0.894	0.861	0.775
5/8/04 6:00 PM	0.79	0.817	1.099	0.923	0.935	0.897	0.804
5/8/04 7:00 PM	0.778	0.808	1.101	0.923	0.93	0.893	0.805
5/8/04 8:00 PM	0.78	0.816	1.096	0.925	0.929	0.894	0.804
5/8/04 9:30 PM	0.754	0.791	1.067	0.893	0.898	0.868	0.782
5/8/04 10:30 PM	0.755	0.791	1.065	0.895	0.904	0.869	0.78
5/8/04 11:30 PM	0.736	0.781	1.047	0.872	0.885	0.853	0.764
5/9/04 12:30 AM	0.738	0.781	1.046	0.873	0.879	0.85	0.765
5/9/04 1:30 AM	0.737	0.775	1.049	0.878	0.88	0.848	0.764
5/9/04 2:30 AM	0.734	0.774	1.047	0.877	0.881	0.846	0.762
5/9/04 4:00 AM	0.736	0.772	1.054	0.874	0.875	0.846	0.762
5/9/04 5:00 AM	0.734	0.769	1.055	0.877	0.877	0.845	0.762
5/9/04 6:00 AM	0.737	0.77	1.038	0.874	0.874	0.847	0.762
5/9/04 7:00 AM	0.738	0.779	1.069	0.877	0.87	0.848	0.762
5/9/04 8:00 AM	0.754	0.792	1.077	0.895	0.898	0.866	0.781

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
5/9/04 9:00 AM	0.752	0.794	1.078	0.888	0.9	0.868	0.781
5/9/04 10:30 AM	0.734	0.783	1.073	0.88	0.895	0.861	0.775
5/9/04 11:30 AM	0.742	0.784	1.075	0.882	0.891	0.861	0.776
5/9/04 12:30 PM	0.8	0.806	1.105	0.921	0.938	0.901	0.814
5/9/04 1:30 PM	0.792	0.805	1.122	0.929	0.942	0.904	0.815
5/9/04 2:30 PM	0.748	0.78	1.079	0.883	0.896	0.862	0.777
5/9/04 3:30 PM	0.748	0.785	1.068	0.884	0.896	0.864	0.778
5/9/04 5:00 PM	0.751	0.773	1.071	0.883	0.894	0.862	0.777
5/9/04 6:00 PM	0.759	0.794	1.085	0.907	0.913	0.881	0.795
5/9/04 7:00 PM	0.771	0.808	1.113	0.933	0.942	0.906	0.814
5/9/04 8:00 PM	0.788	0.8	1.1	0.912	0.922	0.885	0.795
5/9/04 9:00 PM	0.75	0.776	1.056	0.873	0.886	0.855	0.77
5/9/04 10:00 PM	0.786	0.808	1.113	0.919	0.939	0.901	0.813
5/9/04 11:30 PM	0.742	0.771	1.055	0.879	0.889	0.855	0.77
5/10/04 12:30 AM	0.742	0.771	1.053	0.876	0.89	0.854	0.77
5/10/04 1:30 AM	0.742	0.767	1.041	0.868	0.886	0.852	0.767
5/10/04 2:30 AM	0.743	0.77	1.046	0.858	0.885	0.855	0.768
5/10/04 3:30 AM	0.745	0.763	1.085	0.877	0.882	0.853	0.768
5/10/04 4:30 AM	0.741	0.767	1.039	0.875	0.881	0.854	0.769
5/10/04 6:00 AM	0.745	0.765	1.045	0.873	0.885	0.853	0.766
5/10/04 7:00 AM	0.766	0.778	1.067	0.9	0.909	0.875	0.789
5/10/04 8:00 AM	0.795	0.806	1.108	0.944	0.953	0.911	0.822
5/10/04 9:00 AM	0.789	0.808	1.105	0.94	0.949	0.911	0.821
5/10/04 10:00 AM	0.802	0.811	1.117	0.942	0.954	0.914	0.827
5/10/04 11:00 AM	0.783	0.795	1.091	0.923	0.932	0.897	0.809
5/10/04 12:30 PM	0.784	0.798	1.097	0.936	0.939	0.903	0.814
5/10/04 1:30 PM	0.798	0.808	1.11	0.948	0.955	0.915	0.823
5/10/04 2:30 PM	0.752	0.765	1.043	0.885	0.891	0.86	0.775
5/10/04 3:30 PM	0.752	0.765	1.047	0.888	0.898	0.863	0.776
5/10/04 4:30 PM	0.754	0.769	1.051	0.89	0.898	0.863	0.776
5/10/04 5:30 PM	0.75	0.759	1.056	0.888	0.896	0.86	0.774
5/10/04 7:00 PM	0.747	0.767	1.05	0.886	0.89	0.859	0.771
5/10/04 8:00 PM	0.749	0.764	1.049	0.886	0.889	0.858	0.772
5/10/04 9:00 PM	0.747	0.758	1.042	0.879	0.889	0.854	0.771
5/10/04 10:00 PM	0.743	0.754	1.033	0.872	0.889	0.855	0.771
5/10/04 11:00 PM	0.744	0.758	1.039	0.878	0.878	0.854	0.768
5/11/04 12:00 AM	0.743	0.76	1.042	0.877	0.884	0.855	0.769
5/11/04 1:30 AM	0.741	0.752	1.046	0.876	0.885	0.854	0.769
5/11/04 2:30 AM	0.742	0.753	1.043	0.874	0.888	0.854	0.768
5/11/04 3:30 AM	0.744	0.752	1.033	0.874	0.89	0.853	0.769
5/11/04 4:30 AM	0.746	0.753	1.049	0.87	0.883	0.853	0.768
5/11/04 5:30 AM	0.748	0.755	1.027	0.874	0.884	0.852	0.77

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
5/11/04 6:30 AM	0.744	0.754	1.022	0.874	0.887	0.854	0.769
5/11/04 8:00 AM	0.738	0.765	1.033	0.878	0.897	0.862	0.775
5/11/04 9:00 AM	0.741	0.766	1.045	0.879	0.896	0.867	0.781
5/11/04 10:00 AM	0.733	0.769	1.044	0.888	0.897	0.867	0.783
5/11/04 11:00 AM	0.735	0.757	1.043	0.889	0.894	0.864	0.783
5/11/04 12:00 PM	0.735	0.76	1.038	0.886	0.892	0.863	0.781
5/11/04 1:00 PM	0.743	0.75	1.032	0.886	0.893	0.863	0.781
5/11/04 2:30 PM	0.743	0.758	1.045	0.882	0.895	0.866	0.781
5/11/04 3:30 PM	0.735	0.756	1.039	0.882	0.891	0.865	0.782
5/11/04 4:30 PM	0.73	0.755	1.039	0.882	0.886	0.867	0.784
5/11/04 5:30 PM	0.729	0.751	1.031	0.88	0.888	0.864	0.781
5/11/04 6:30 PM	0.745	0.741	1.03	0.88	0.883	0.862	0.777
5/11/04 7:30 PM	0.74	0.748	1.028	0.871	0.881	0.859	0.776
5/11/04 9:00 PM	0.743	0.741	1.026	0.87	0.876	0.856	0.773
5/11/04 10:00 PM	0.74	0.74	1.017	0.869	0.872	0.855	0.773
5/11/04 11:00 PM	0.742	0.738	1.021	0.875	0.874	0.855	0.772
5/12/04 12:00 AM	0.741	0.74	1.025	0.872	0.876	0.852	0.771
5/12/04 1:00 AM	0.738	0.737	1.021	0.87	0.877	0.853	0.772
5/12/04 2:00 AM	0.742	0.738	1.031	0.872	0.878	0.852	0.772
5/12/04 3:30 AM	0.741	0.735	1.019	0.872	0.869	0.85	0.77
5/12/04 4:30 AM	0.741	0.752	1.014	0.875	0.875	0.85	0.771
5/12/04 5:30 AM	0.741	0.733	1.018	0.878	0.873	0.85	0.77
5/12/04 6:30 AM	0.743	0.733	1.018	0.873	0.87	0.851	0.77
5/12/04 7:30 AM	0.748	0.732	1.01	0.879	0.873	0.852	0.773
5/12/04 8:30 AM	0.754	0.74	1.016	0.883	0.884	0.859	0.781
5/12/04 10:00 AM	0.758	0.743	1.027	0.896	0.885	0.864	0.786
5/12/04 11:00 AM	0.755	0.741	1.04	0.893	0.885	0.86	0.782
5/12/04 12:00 PM	0.758	0.739	1.03	0.89	0.889	0.86	0.782
5/12/04 1:00 PM	0.754	0.734	1.031	0.88	0.887	0.859	0.782
5/12/04 2:00 PM	0.755	0.736	1.042	0.879	0.888	0.861	0.782
5/12/04 3:00 PM	0.756	0.735	1.027	0.88	0.885	0.86	0.782
5/12/04 4:30 PM	0.755	0.733	1.031	0.883	0.886	0.86	0.781
5/12/04 5:30 PM	0.753	0.734	1.025	0.884	0.887	0.862	0.783
5/12/04 6:30 PM	0.752	0.738	1.013	0.88	0.893	0.856	0.778
5/12/04 7:30 PM	0.75	0.734	1.013	0.877	0.882	0.853	0.777
5/12/04 8:30 PM	0.748	0.729	1.021	0.869	0.88	0.85	0.774
5/12/04 9:30 PM	0.722	0.728	1.007	0.875	0.878	0.847	0.773
5/12/04 11:00 PM	0.712	0.723	1.008	0.873	0.879	0.848	0.773
5/13/04 12:00 AM	0.71	0.72	1.002	0.863	0.878	0.845	0.771
5/13/04 1:00 AM	0.712	0.725	1.014	0.865	0.879	0.846	0.771
5/13/04 2:00 AM	0.732	0.721	1.001	0.862	0.875	0.844	0.77
5/13/04 3:00 AM	0.735	0.719	0.997	0.864	0.872	0.844	0.77

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
5/13/04 4:00 AM	0.737	0.721	1.002	0.86	0.874	0.844	0.77
5/13/04 5:30 AM	0.739	0.715	0.999	0.865	0.878	0.841	0.771
5/13/04 6:30 AM	0.743	0.716	1.001	0.864	0.882	0.842	0.772
5/13/04 7:30 AM	0.756	0.717	1.004	0.867	0.888	0.845	0.775
5/13/04 8:30 AM	0.757	0.728	1.02	0.876	0.895	0.854	0.782
5/13/04 9:30 AM	0.756	0.732	1.02	0.879	0.892	0.857	0.783
5/13/04 10:30 AM	0.75	0.727	1.006	0.876	0.901	0.855	0.786
5/13/04 12:00 PM	0.767	0.728	0.987	0.88	0.9	0.856	0.785
5/13/04 1:00 PM	0.757	0.727	0.996	0.88	0.899	0.855	0.784
5/13/04 2:00 PM	0.772	0.725	1.002	0.885	0.9	0.857	0.785
5/13/04 3:00 PM	0.759	0.726	0.995	0.879	0.901	0.857	0.782
5/13/04 4:00 PM	0.759	0.728	1.007	0.882	0.901	0.856	0.783
5/13/04 5:00 PM	0.76	0.723	1.005	0.873	0.9	0.856	0.786
5/13/04 6:30 PM	0.757	0.72	1.001	0.884	0.906	0.853	0.782
5/13/04 7:30 PM	0.767	0.72	0.991	0.877	0.895	0.849	0.778
5/13/04 8:30 PM	0.754	0.724	0.983	0.866	0.896	0.848	0.776
5/13/04 9:30 PM	0.751	0.717	0.984	0.869	0.889	0.846	0.778
5/13/04 10:30 PM	0.748	0.71	0.987	0.87	0.892	0.847	0.777
5/13/04 11:30 PM	0.743	0.716	0.991	0.863	0.893	0.846	0.775
5/14/04 1:00 AM	0.759	0.71	0.987	0.868	0.887	0.844	0.776
5/14/04 2:00 AM	0.744	0.71	0.981	0.865	0.887	0.842	0.773
5/14/04 3:00 AM	0.745	0.71	0.972	0.864	0.886	0.842	0.774
5/14/04 4:00 AM	0.744	0.702	0.979	0.869	0.884	0.843	0.775
5/14/04 5:00 AM	0.747	0.709	0.969	0.875	0.884	0.843	0.773
5/14/04 6:00 AM	0.749	0.705	0.966	0.869	0.891	0.844	0.775
5/14/04 7:30 AM	0.748	0.703	0.98	0.878	0.884	0.848	0.78
5/14/04 8:30 AM	0.759	0.713	0.989	0.879	0.895	0.855	0.786
5/14/04 9:30 AM	0.763	0.713	0.988	0.886	0.902	0.855	0.791
5/14/04 10:30 AM	0.76	0.714	0.992	0.882	0.898	0.855	0.789
5/14/04 11:30 AM	0.76	0.713	0.99	0.88	0.9	0.853	0.789
5/14/04 12:30 PM	0.763	0.711	0.977	0.881	0.901	0.854	0.791
5/14/04 2:00 PM	0.765	0.708	0.987	0.883	0.907	0.854	0.79
5/14/04 3:00 PM	0.761	0.705	0.985	0.884	0.9	0.854	0.79
5/14/04 4:00 PM	0.762	0.705	0.981	0.884	0.902	0.854	0.791
5/14/04 5:00 PM	0.759	0.714	0.972	0.881	0.905	0.853	0.79
5/14/04 6:00 PM	0.76	0.707	0.974	0.889	0.908	0.856	0.792
5/14/04 7:00 PM	0.754	0.71	0.97	0.883	0.91	0.852	0.786
5/14/04 8:30 PM	0.754	0.7	0.96	0.878	0.904	0.848	0.783
5/14/04 9:30 PM	0.753	0.717	0.962	0.861	0.913	0.848	0.783
5/14/04 10:30 PM	0.749	0.708	0.968	0.879	0.909	0.846	0.785
5/14/04 11:30 PM	0.752	0.696	0.955	0.877	0.898	0.846	0.784
5/15/04 12:30 AM	0.752	0.701	0.95	0.879	0.9	0.844	0.785

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
5/15/04 1:30 AM	0.749	0.699	0.964	0.876	0.898	0.844	0.785
5/15/04 3:00 AM	0.751	0.699	0.956	0.874	0.898	0.843	0.783
5/15/04 4:00 AM	0.754	0.697	0.958	0.865	0.895	0.842	0.781
5/15/04 5:00 AM	0.757	0.694	0.95	0.87	0.893	0.841	0.78
5/15/04 6:00 AM	0.76	0.698	0.958	0.87	0.896	0.842	0.78
5/15/04 7:00 AM	0.763	0.696	0.962	0.874	0.893	0.845	0.784
5/15/04 8:00 AM	0.766	0.697	0.951	0.873	0.901	0.847	0.788
5/15/04 9:30 AM	0.765	0.708	0.956	0.894	0.905	0.851	0.793
5/15/04 10:30 AM	0.763	0.698	0.961	0.88	0.906	0.852	0.795
5/15/04 11:30 AM	0.761	0.7	0.964	0.882	0.9	0.851	0.794
5/15/04 12:30 PM	0.761	0.698	0.954	0.883	0.901	0.851	0.793
5/15/04 1:30 PM	0.758	0.696	0.955	0.878	0.898	0.849	0.793
5/15/04 2:30 PM	0.761	0.699	0.96	0.882	0.899	0.85	0.794
5/15/04 4:00 PM	0.764	0.701	0.96	0.869	0.901	0.851	0.795
5/15/04 5:00 PM	0.773	0.701	0.968	0.879	0.903	0.851	0.796
5/15/04 6:00 PM	0.776	0.696	0.955	0.875	0.9	0.848	0.794
5/15/04 7:00 PM	0.776	0.697	0.967	0.877	0.895	0.847	0.792
5/15/04 8:00 PM	0.758	0.699	0.958	0.873	0.893	0.847	0.789
5/15/04 9:00 PM	0.753	0.696	0.957	0.871	0.893	0.842	0.79
5/15/04 10:30 PM	0.753	0.698	0.957	0.872	0.894	0.843	0.791
5/15/04 11:30 PM	0.754	0.679	0.958	0.871	0.892	0.844	0.79
5/16/04 12:30 AM	0.756	0.693	0.954	0.875	0.898	0.843	0.789
5/16/04 1:30 AM	0.756	0.692	0.953	0.87	0.891	0.844	0.79
5/16/04 2:30 AM	0.754	0.696	0.959	0.873	0.892	0.843	0.79
5/16/04 3:30 AM	0.754	0.694	0.956	0.869	0.89	0.843	0.789
5/16/04 5:00 AM	0.76	0.686	0.963	0.87	0.892	0.841	0.79
5/16/04 6:00 AM	0.757	0.679	0.958	0.875	0.891	0.842	0.79
5/16/04 7:00 AM	0.755	0.689	0.958	0.866	0.893	0.845	0.791
5/16/04 8:00 AM	0.758	0.69	0.959	0.877	0.896	0.847	0.794
5/16/04 9:00 AM	0.764	0.701	0.959	0.888	0.895	0.852	0.798
5/16/04 10:00 AM	0.764	0.696	0.958	0.884	0.902	0.85	0.799
5/16/04 11:30 AM	0.761	0.687	0.956	0.881	0.9	0.848	0.797
5/16/04 12:30 PM	0.757	0.689	0.955	0.888	0.902	0.851	0.801
5/16/04 1:30 PM	0.762	0.689	0.956	0.875	0.903	0.851	0.797
5/16/04 2:30 PM	0.763	0.69	0.952	0.88	0.898	0.848	0.799
5/16/04 3:30 PM	0.763	0.694	0.952	0.878	0.903	0.85	0.799
5/16/04 4:30 PM	0.759	0.69	0.95	0.877	0.901	0.848	0.798
5/16/04 6:00 PM	0.779	0.682	0.954	0.882	0.901	0.847	0.797
5/16/04 7:00 PM	0.762	0.687	0.953	0.878	0.897	0.845	0.795
5/16/04 8:00 PM	0.757	0.683	0.95	0.873	0.894	0.842	0.793
5/16/04 9:00 PM	0.753	0.679	0.946	0.87	0.894	0.84	0.795
5/16/04 10:00 PM	0.775	0.689	0.944	0.869	0.894	0.84	0.794

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
5/16/04 11:00 PM	0.752	0.687	0.942	0.869	0.892	0.84	0.793
5/17/04 12:30 AM	0.749	0.683	0.939	0.87	0.898	0.84	0.793
5/17/04 1:30 AM	0.748	0.674	0.938	0.871	0.891	0.84	0.793
5/17/04 2:30 AM	0.743	0.678	0.944	0.876	0.891	0.84	0.793
5/17/04 3:30 AM	0.753	0.681	0.954	0.87	0.893	0.84	0.793
5/17/04 4:30 AM	0.774	0.678	0.92	0.871	0.895	0.841	0.794
5/17/04 5:30 AM	0.784	0.676	0.921	0.877	0.895	0.84	0.794
5/17/04 7:00 AM	0.79	0.675	0.937	0.874	0.896	0.841	0.796
5/17/04 8:00 AM	0.799	0.681	0.937	0.875	0.897	0.843	0.797
5/17/04 9:00 AM	0.81	0.675	0.922	0.872	0.902	0.843	0.8
5/17/04 10:00 AM	0.815	0.671	0.928	0.876	0.903	0.845	0.801
5/17/04 11:00 AM	0.817	0.68	0.932	0.877	0.901	0.843	0.801
5/17/04 12:00 PM	0.813	0.686	0.934	0.873	0.903	0.844	0.801
5/17/04 1:30 PM	0.814	0.678	0.933	0.872	0.904	0.842	0.799
5/17/04 2:30 PM	0.817	0.681	0.934	0.873	0.9	0.843	0.802
5/17/04 3:30 PM	0.815	0.675	0.935	0.876	0.903	0.839	0.802
5/17/04 4:30 PM	0.814	0.682	0.931	0.876	0.9	0.843	0.802
5/17/04 5:30 PM	0.795	0.675	0.932	0.873	0.908	0.844	0.799
5/17/04 6:30 PM	0.796	0.675	0.932	0.871	0.909	0.841	0.799
5/17/04 8:00 PM	0.792	0.657	0.929	0.869	0.895	0.837	0.795
5/17/04 9:00 PM	0.793	0.655	0.928	0.863	0.897	0.836	0.795
5/17/04 10:00 PM	0.798	0.653	0.905	0.865	0.894	0.834	0.795
5/17/04 11:00 PM	0.805	0.651	0.913	0.861	0.896	0.834	0.796
5/18/04 12:00 AM	0.795	0.654	0.915	0.862	0.893	0.835	0.795
5/18/04 1:00 AM	0.795	0.663	0.917	0.861	0.894	0.835	0.794
5/18/04 2:30 AM	0.804	0.668	0.917	0.866	0.908	0.834	0.796
5/18/04 3:30 AM	0.804	0.667	0.914	0.866	0.895	0.835	0.794
5/18/04 4:30 AM	0.793	0.668	0.914	0.866	0.895	0.835	0.795
5/18/04 5:30 AM	0.76	0.666	0.905	0.868	0.893	0.835	0.797
5/18/04 6:30 AM	0.757	0.676	0.911	0.869	0.9	0.835	0.797
5/18/04 7:30 AM	0.754	0.678	0.912	0.867	0.901	0.834	0.797
5/18/04 9:00 AM	0.755	0.685	0.915	0.874	0.899	0.836	0.796
5/18/04 10:00 AM	0.757	0.694	0.918	0.869	0.904	0.839	0.802
5/18/04 11:00 AM	0.758	0.697	0.918	0.871	0.884	0.839	0.804
5/18/04 12:00 PM	0.767	0.685	0.918	0.869	0.884	0.838	0.804
5/18/04 1:00 PM	0.757	0.685	0.924	0.868	0.903	0.838	0.802
5/18/04 2:00 PM	0.758	0.685	0.925	0.873	0.905	0.839	0.801
5/18/04 3:30 PM	0.785	0.687	0.913	0.878	0.901	0.838	0.805
5/18/04 4:30 PM	0.768	0.684	0.921	0.868	0.906	0.839	0.805
5/18/04 5:30 PM	0.768	0.682	0.916	0.869	0.902	0.836	0.805
5/18/04 6:30 PM	0.769	0.682	0.918	0.866	0.9	0.836	0.799
5/18/04 7:30 PM	0.777	0.679	0.909	0.874	0.898	0.834	0.798

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
5/18/04 8:30 PM	0.774	0.676	0.909	0.856	0.903	0.832	0.798
5/18/04 10:00 PM	0.771	0.682	0.898	0.863	0.9	0.831	0.798
5/18/04 11:00 PM	0.776	0.675	0.91	0.866	0.897	0.832	0.796
5/19/04 12:00 AM	0.785	0.677	0.898	0.867	0.897	0.831	0.798
5/19/04 1:00 AM	0.764	0.672	0.904	0.864	0.893	0.831	0.797
5/19/04 2:00 AM	0.784	0.669	0.901	0.868	0.897	0.83	0.798
5/19/04 3:00 AM	0.786	0.669	0.908	0.864	0.904	0.83	0.798
5/19/04 4:30 AM	0.799	0.675	0.908	0.863	0.899	0.827	0.796
5/19/04 5:30 AM	0.8	0.668	0.894	0.861	0.894	0.828	0.796
5/19/04 6:30 AM	0.77	0.666	0.898	0.863	0.897	0.827	0.797
5/19/04 7:30 AM	0.78	0.665	0.902	0.862	0.896	0.829	0.799
5/19/04 8:30 AM	0.789	0.675	0.909	0.866	0.901	0.834	0.803
5/19/04 9:30 AM	0.802	0.675	0.912	0.873	0.91	0.836	0.807
5/19/04 11:00 AM	0.812	0.67	0.913	0.865	0.901	0.833	0.804
5/19/04 12:00 PM	0.799	0.679	0.912	0.865	0.899	0.832	0.8
5/19/04 1:00 PM	0.782	0.678	0.912	0.861	0.895	0.83	0.799
5/19/04 2:00 PM	0.777	0.662	0.912	0.861	0.897	0.83	0.799
5/19/04 3:00 PM	0.781	0.678	0.922	0.868	0.903	0.832	0.802
5/19/04 4:00 PM	0.778	0.668	0.916	0.866	0.905	0.833	0.804
5/19/04 5:30 PM	0.784	0.669	0.912	0.869	0.904	0.829	0.8
5/19/04 6:30 PM	0.781	0.665	0.914	0.867	0.899	0.828	0.797
5/19/04 7:30 PM	0.785	0.654	0.911	0.863	0.894	0.824	0.797
5/19/04 8:30 PM	0.786	0.66	0.904	0.859	0.894	0.825	0.795
5/19/04 9:30 PM	0.783	0.66	0.906	0.861	0.892	0.823	0.797
5/19/04 10:30 PM	0.792	0.654	0.907	0.858	0.893	0.824	0.797
5/20/04 12:00 AM	0.805	0.661	0.898	0.853	0.893	0.824	0.796
5/20/04 1:00 AM	0.794	0.661	0.902	0.854	0.894	0.823	0.795
5/20/04 2:00 AM	0.792	0.653	0.891	0.858	0.891	0.822	0.796
5/20/04 3:00 AM	0.788	0.662	0.882	0.858	0.89	0.823	0.796
5/20/04 4:00 AM	0.797	0.661	0.902	0.861	0.89	0.823	0.795
5/20/04 5:00 AM	0.8	0.664	0.899	0.855	0.892	0.822	0.795
5/20/04 6:30 AM	0.801	0.655	0.903	0.863	0.892	0.821	0.796
5/20/04 7:30 AM	0.806	0.656	0.907	0.86	0.889	0.823	0.798
5/20/04 8:30 AM	0.816	0.662	0.919	0.863	0.895	0.83	0.799
5/20/04 9:30 AM	0.826	0.665	0.916	0.865	0.898	0.83	0.803
5/20/04 10:30 AM	0.834	0.666	0.92	0.865	0.899	0.831	0.804
5/20/04 11:30 AM	0.845	0.666	0.919	0.865	0.9	0.831	0.804
5/20/04 1:00 PM	0.851	0.663	0.908	0.863	0.896	0.828	0.8
5/20/04 2:00 PM	0.839	0.666	0.907	0.862	0.897	0.828	0.799
5/20/04 3:00 PM	0.821	0.668	0.909	0.865	0.9	0.831	0.802
5/20/04 4:00 PM	0.817	0.665	0.912	0.861	0.9	0.83	0.805
5/20/04 5:00 PM	0.812	0.668	0.911	0.863	0.9	0.83	0.803

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
5/20/04 6:00 PM	0.806	0.68	0.896	0.866	0.896	0.825	0.801
5/20/04 7:30 PM	0.798	0.663	0.911	0.865	0.894	0.822	0.796
5/20/04 8:30 PM	0.822	0.67	0.903	0.854	0.892	0.82	0.798
5/20/04 9:30 PM	0.795	0.665	0.902	0.854	0.891	0.819	0.798
5/20/04 10:30 PM	0.793	0.661	0.901	0.859	0.888	0.82	0.796
5/20/04 11:30 PM	0.791	0.657	0.904	0.861	0.89	0.819	0.796
5/21/04 12:30 AM	0.784	0.656	0.903	0.862	0.886	0.82	0.797
5/21/04 2:00 AM	0.788	0.657	0.898	0.851	0.889	0.818	0.797
5/21/04 3:00 AM	0.787	0.658	0.903	0.854	0.888	0.819	0.796
5/21/04 4:00 AM	0.787	0.659	0.898	0.855	0.887	0.817	0.797
5/21/04 5:00 AM	0.787	0.657	0.911	0.858	0.888	0.818	0.796
5/21/04 6:00 AM	0.787	0.654	0.91	0.852	0.89	0.819	0.796
5/21/04 7:00 AM	0.792	0.661	0.902	0.857	0.892	0.819	0.799
5/21/04 8:30 AM	0.795	0.656	0.916	0.859	0.892	0.824	0.803
5/21/04 9:30 AM	0.79	0.66	0.915	0.853	0.897	0.825	0.805
5/21/04 10:30 AM	0.794	0.66	0.919	0.854	0.908	0.827	0.805
5/21/04 11:30 AM	0.794	0.656	0.915	0.847	0.9	0.826	0.805
5/21/04 12:30 PM	0.791	0.651	0.91	0.864	0.896	0.824	0.803
5/21/04 1:30 PM	0.791	0.651	0.917	0.857	0.898	0.824	0.802
5/21/04 3:00 PM	0.793	0.659	0.915	0.869	0.899	0.826	0.805
5/21/04 4:00 PM	0.793	0.663	0.921	0.868	0.9	0.826	0.806
5/21/04 5:00 PM	0.788	0.66	0.922	0.861	0.901	0.826	0.805
5/21/04 6:00 PM	0.789	0.647	0.912	0.858	0.895	0.822	0.803
5/21/04 7:00 PM	0.785	0.647	0.913	0.854	0.891	0.819	0.801
5/21/04 8:00 PM	0.784	0.652	0.908	0.85	0.892	0.818	0.8
5/21/04 9:30 PM	0.782	0.648	0.911	0.853	0.891	0.816	0.799
5/21/04 10:30 PM	0.782	0.651	0.9	0.846	0.893	0.817	0.8
5/21/04 11:30 PM	0.783	0.648	0.91	0.857	0.894	0.816	0.799
5/22/04 12:30 AM	0.782	0.65	0.905	0.848	0.89	0.817	0.798
5/22/04 1:30 AM	0.781	0.652	0.899	0.851	0.884	0.816	0.798
5/22/04 2:30 AM	0.781	0.654	0.911	0.849	0.887	0.815	0.799
5/22/04 4:00 AM	0.78	0.649	0.904	0.849	0.888	0.815	0.799
5/22/04 5:00 AM	0.78	0.646	0.899	0.851	0.888	0.814	0.799
5/22/04 6:00 AM	0.781	0.644	0.897	0.855	0.885	0.815	0.8
5/22/04 7:00 AM	0.783	0.645	0.906	0.851	0.887	0.815	0.801
5/22/04 8:00 AM	0.785	0.649	0.909	0.863	0.894	0.818	0.8
5/22/04 9:00 AM	0.789	0.649	0.907	0.861	0.895	0.823	0.807
5/22/04 10:30 AM	0.784	0.653	0.916	0.863	0.896	0.826	0.809
5/22/04 11:30 AM	0.79	0.65	0.914	0.863	0.896	0.825	0.809
5/22/04 12:30 PM	0.787	0.669	0.906	0.857	0.893	0.821	0.805
5/22/04 1:30 PM	0.783	0.671	0.905	0.852	0.894	0.822	0.804
5/22/04 2:30 PM	0.789	0.662	0.907	0.861	0.896	0.823	0.807

**Soil Moisture Sensor Raw Data (VDC MW-1)
 Van Dusen Canyon Site**

Date and Time of Reading	Soil Moisture Sensor Raw Data, [kOhms]						
	Sensor Depth, [ft bgs]						
	75	65	55	45	35	25	15
5/22/04 3:30 PM	0.79	0.658	0.915	0.864	0.903	0.825	0.808
5/22/04 5:00 PM	0.789	0.656	0.904	0.864	0.904	0.823	0.807
5/22/04 6:00 PM	0.786	0.65	0.912	0.851	0.895	0.82	0.805
5/22/04 7:00 PM	0.779	0.652	0.903	0.839	0.894	0.818	0.802
5/22/04 8:00 PM	0.783	0.648	0.898	0.837	0.892	0.818	0.8
5/22/04 9:00 PM	0.782	0.645	0.891	0.839	0.891	0.815	0.802
5/22/04 10:00 PM	0.781	0.64	0.902	0.851	0.89	0.814	0.803
5/22/04 11:30 PM	0.78	0.64	0.9	0.85	0.889	0.815	0.801
5/23/04 12:30 AM	0.781	0.641	0.894	0.849	0.882	0.815	0.801
5/23/04 1:30 AM	0.78	0.636	0.907	0.853	0.885	0.813	0.803
5/23/04 2:30 AM	0.776	0.638	0.899	0.845	0.885	0.813	0.802
5/23/04 3:30 AM	0.777	0.636	0.899	0.848	0.883	0.814	0.8
5/23/04 4:30 AM	0.779	0.636	0.902	0.849	0.882	0.812	0.801
5/23/04 6:00 AM	0.78	0.632	0.889	0.849	0.882	0.811	0.8
5/23/04 7:00 AM	0.783	0.635	0.893	0.848	0.885	0.813	0.801
5/23/04 8:00 AM	0.781	0.641	0.905	0.853	0.886	0.818	0.802
5/23/04 9:00 AM	0.788	0.64	0.903	0.859	0.892	0.822	0.808
5/23/04 10:00 AM	0.79	0.643	0.905	0.862	0.889	0.822	0.808
5/23/04 11:00 AM	0.79	0.641	0.905	0.861	0.895	0.823	0.81
5/23/04 12:30 PM	0.788	0.639	0.899	0.851	0.89	0.821	0.809
5/23/04 1:30 PM	0.788	0.638	0.896	0.849	0.891	0.818	0.808
5/23/04 2:30 PM	0.789	0.644	0.885	0.841	0.89	0.821	0.809
5/23/04 3:30 PM	0.791	0.647	0.892	0.845	0.894	0.823	0.811
5/23/04 4:30 PM	0.791	0.643	0.893	0.859	0.896	0.823	0.812
5/23/04 5:30 PM	0.789	0.642	0.897	0.865	0.89	0.822	0.809
5/23/04 7:00 PM	0.785	0.635	0.892	0.849	0.889	0.815	0.806
5/23/04 8:00 PM	0.784	0.637	0.892	0.856	0.891	0.814	0.805
5/23/04 9:00 PM	0.783	0.633	0.889	0.851	0.887	0.813	0.804
5/23/04 10:00 PM	0.782	0.639	0.888	0.855	0.885	0.814	0.802
5/23/04 11:00 PM	0.783	0.627	0.89	0.855	0.88	0.813	0.803
5/24/04 12:00 AM	0.783	0.635	0.898	0.849	0.886	0.813	0.804
5/24/04 1:30 AM	0.774	0.63	0.893	0.847	0.884	0.81	0.803
5/24/04 2:30 AM	0.781	0.627	0.892	0.844	0.876	0.809	0.803
5/24/04 3:30 AM	0.781	0.629	0.883	0.851	0.878	0.809	0.802
5/24/04 4:30 AM	0.781	0.627	0.891	0.85	0.878	0.81	0.803
5/24/04 5:30 AM	0.774	0.629	0.892	0.851	0.878	0.809	0.803
5/24/04 6:30 AM	0.782	0.626	0.869	0.84	0.885	0.81	0.804
5/24/04 8:00 AM	0.781	0.631	0.876	0.847	0.885	0.814	0.808
5/24/04 9:00 AM	0.786	0.637	0.897	0.84	0.89	0.818	0.811
5/24/04 10:00 AM	0.788	0.632	0.89	0.859	0.891	0.818	0.813
5/24/04 11:00 AM	0.779	0.642	0.889	0.859	0.891	0.819	0.814
5/24/04 12:00 PM	0.78	0.642	0.881	0.857	0.891	0.817	0.811