

**Appendix E - Table 1  
 COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
 Proposed Target Development Site  
 Scotts Valley, California**

<b>Water Holding Capacity:</b>	82.3	millimeters				
<b>Initial Available Water:</b>	82.3	millimeters				
<b>Initial Day of Year:</b>	1					
			<b>Monthly Drainage Totals for 1998 (wet year) and 2002 (dry year)</b>			
<b>Month</b>	<b>Crop Coefficients</b>	<b>Last Day of Month</b>	<b>1998 (Yr 1) (millimeters)</b>	<b>1998 (Yr 1) (inches)</b>	<b>2002 (Yr 5) (millimeters)</b>	<b>2002 (Yr 5) (inches)</b>
January	1.0	31	327	12.87	66	2.58
February	1.0	59	458	18.04	14	0.56
March	1.0	90	15	0.60	7	0.29
April	1.0	120	33	1.28	0	0.00
May	1.0	151	0	0.00	0	0.00
June	1.0	181	0	0.00	0	0.00
July	1.0	212	0	0.00	0	0.00
August	1.0	243	0	0.00	0	0.00
September	1.0	273	0	0.00	0	0.00
October	1.0	304	0	0.00	0	0.00
November	1.0	334	53	2.10	25	1.00
December	1.0	365	26	1.03	67	2.63
<b>Total</b>			<b>912</b>	<b>35.92</b>	<b>179</b>	<b>7.06</b>

<b>California Weather Data: Comma-delimited data file--UC IPM "University of California Statewide Integrated Pest Management Program" (SNTACRUZ.A, CIMIS station #104 De Laveaga/Santa Cruz)</b>					
Weather database request: Time Period: January 1, 1998 to December 31, 2007 - 4017 days (retrieved on June 27, 2008)					
Note: Only 99% of requested data were available from station SNTACRUZ.A. See summary report.					
Stations used to fill in missing data					
	Data Values from Station	Data Values from Backup 1	Data Values from Backup 2	Data Values from Averages	Data Values missing
<b>Variable:</b>					
Precipitation	3980 SNTACRUZ.A	2 WTSNVILE_EST.A	32 WTSNVILE.C	0 SNTACRUZ.A	3
Eto	3983 SNTACRUZ.A	0 none	0 none	0 none	34

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
1	1	0	0.762	82.3	0	0.762	0	0	0	1	0.762	1	1	81.538	81.538
1	2	33.782	0.762	81.538	32.258	0.762	32.258	33.782	33.782	1	0.762	1	1	114.558	82.3
1	3	22.86	0.508	82.3	22.352	0.508	54.61	56.642	56.642	1	0.508	1	1	104.652	82.3
1	4	8.128	0.762	82.3	7.366	0.762	61.976	64.77	64.77	1	0.762	1	1	89.666	82.3
1	5	0.254	1.27	82.3	0	1.27	61.976	65.024	65.024	1	1.27	1	1	81.284	81.284
1	6	5.334	1.016	81.284	3.302	1.016	65.278	70.358	70.358	1	1.016	1	1	85.602	82.3
1	7	0.508	0.254	82.3	0.254	0.254	65.532	70.866	70.866	1	0.254	1	1	82.554	82.3
1	8	0	0.508	82.3	0	0.508	65.532	70.866	70.866	1	0.508	1	1	81.792	81.792
1	9	24.13	0	81.792	23.622	0	89.154	94.996	94.996	1	0	1	1	105.922	82.3
1	10	31.75	0.254	82.3	31.496	0.254	120.65	126.746	126.746	1	0.254	1	1	113.796	82.3
1	11	40.386	0	82.3	40.386	0	161.036	167.132	167.132	1	0	1	1	122.686	82.3
1	12	48.768	0	82.3	48.768	0	209.804	215.9	215.9	1	0	1	1	131.068	82.3
1	13	0.508	0.762	82.3	0	0.762	209.804	216.408	216.408	1	0.762	1	1	82.046	82.046
1	14	8.128	0	82.046	7.874	0	217.678	224.536	224.536	1	0	1	1	90.174	82.3
1	15	52.832	0	82.3	52.832	0	270.51	277.368	277.368	1	0	1	1	135.132	82.3
1	16	0.508	0	82.3	0.508	0	271.018	277.876	277.876	1	0	1	1	82.808	82.3
1	17	0	1.27	82.3	0	1.27	271.018	277.876	277.876	1	1.27	1	1	81.03	81.03
1	18	19.304	0	81.03	18.034	0	289.052	297.18	297.18	1	0	1	1	100.334	82.3
1	19	23.114	1.524	82.3	21.59	1.524	310.642	320.294	320.294	1	1.524	1	1	103.89	82.3
1	20	2.286	1.27	82.3	1.016	1.27	311.658	322.58	322.58	1	1.27	1	1	83.316	82.3
1	21	0.254	1.524	82.3	0	1.524	311.658	322.834	322.834	1	1.524	1	1	81.03	81.03
1	22	0	1.27	81.03	0	1.27	311.658	322.834	322.834	1	1.27	1	1	79.76	79.76
1	23	0	1.524	79.76	0	1.524	311.658	322.834	322.834	1	1.524	1	1	78.236	78.236
1	24	0	1.524	78.236	0	1.524	311.658	322.834	322.834	1	1.524	1	1	76.712	76.712
1	25	0	1.524	76.712	0	1.524	311.658	322.834	322.834	1	1.524	1	1	75.188	75.188

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1	26	0	1.524	75.188	0	1.524	311.658	322.834	322.834	1	1.524	1	1	73.664	73.664
1	27	5.08	1.524	73.664	0	1.524	311.658	327.914	327.914	1	1.524	1	1	77.22	77.22
1	28	0	1.524	77.22	0	1.524	311.658	327.914	327.914	1	1.524	1	1	75.696	75.696
1	29	19.558	1.524	75.696	11.43	1.524	323.088	347.472	347.472	1	1.524	1	1	93.73	82.3
1	30	3.302	1.524	82.3	1.778	1.524	324.866	350.774	350.774	1	1.524	1	1	84.078	82.3
1	31	3.556	1.524	82.3	2.032	1.524	326.898	354.33	354.33	1	1.524	1	1	84.332	82.3
1	32	60.452	0	82.3	60.452	0	387.35	414.782	414.782	1	0	1	1	142.752	82.3
1	33	80.01	0	82.3	80.01	0	467.36	494.792	494.792	1	0	1	1	162.31	82.3
1	34	30.988	0.508	82.3	30.48	0.508	497.84	525.78	525.78	1	0.508	1	1	112.78	82.3
1	35	5.842	1.27	82.3	4.572	1.27	502.412	531.622	531.622	1	1.27	1	1	86.872	82.3
1	36	9.906	0.254	82.3	9.652	0.254	512.064	541.528	541.528	1	0.254	1	1	91.952	82.3
1	37	50.8	0.254	82.3	50.546	0.254	562.61	592.328	592.328	1	0.254	1	1	132.846	82.3
1	38	33.02	0	82.3	33.02	0	595.63	625.348	625.348	1	0	1	1	115.32	82.3
1	39	25.146	0	82.3	25.146	0	620.776	650.494	650.494	1	0	1	1	107.446	82.3
1	40	9.652	1.27	82.3	8.382	1.27	629.158	660.146	660.146	1	1.27	1	1	90.682	82.3
1	41	0	1.524	82.3	0	1.524	629.158	660.146	660.146	1	1.524	1	1	80.776	80.776
1	42	1.27	1.524	80.776	0	1.524	629.158	661.416	661.416	1	1.524	1	1	80.522	80.522
1	43	2.032	1.778	80.522	0	1.778	629.158	663.448	663.448	1	1.778	1	1	80.776	80.776
1	44	5.08	1.778	80.776	1.778	1.778	630.936	668.528	668.528	1	1.778	1	1	84.078	82.3
1	45	43.688	0.762	82.3	42.926	0.762	673.862	712.216	712.216	1	0.762	1	1	125.226	82.3
1	46	4.826	2.032	82.3	2.794	2.032	676.656	717.042	717.042	1	2.032	1	1	85.094	82.3
1	47	19.05	0	82.3	19.05	0	695.706	736.092	736.092	1	0	1	1	101.35	82.3
1	48	4.826	1.27	82.3	3.556	1.27	699.262	740.918	740.918	1	1.27	1	1	85.856	82.3
1	49	0.254	2.032	82.3	0	2.032	699.262	741.172	741.172	1	2.032	1	1	80.522	80.522
1	50	40.64	0	80.522	38.862	0	738.124	781.812	781.812	1	0	1	1	121.162	82.3
1	51	0.254	1.27	82.3	0	1.27	738.124	782.066	782.066	1	1.27	1	1	81.284	81.284
1	52	28.702	0	81.284	27.686	0	765.81	810.768	810.768	1	0	1	1	109.986	82.3
1	53	1.524	1.524	82.3	0	1.524	765.81	812.292	812.292	1	1.524	1	1	82.3	82.3
1	54	20.574	1.27	82.3	19.304	1.27	785.114	832.866	832.866	1	1.27	1	1	101.604	82.3
1	55	0.254	2.032	82.3	0	2.032	785.114	833.12	833.12	1	2.032	1	1	80.522	80.522
1	56	0.254	1.778	80.522	0	1.778	785.114	833.374	833.374	1	1.778	1	1	78.998	78.998
1	57	0	2.794	78.998	0	2.794	785.114	833.374	833.374	1	2.794	1	1	76.204	76.204
1	58	0	1.524	76.204	0	1.524	785.114	833.374	833.374	1	1.524	1	1	74.68	74.68
1	59	0	2.286	74.68	0	2.286	785.114	833.374	833.374	1	2.286	1	1	72.394	72.394
1	60	0	2.032	72.394	0	2.032	785.114	833.374	833.374	1	2.032	1	1	70.362	70.362
1	61	0	2.54	70.362	0	2.54	785.114	833.374	833.374	1	2.54	1	1	67.822	67.822
1	62	0	3.048	67.822	0	3.048	785.114	833.374	833.374	1	3.048	1	1	64.774	64.774
1	63	0	3.048	64.774	0	3.048	785.114	833.374	833.374	1	3.048	1	1	61.726	61.726
1	64	23.622	0.254	61.726	2.794000001	0.254	787.908	856.996	856.996	1	0.254	1	1	85.094	82.3
1	65	0	3.048	82.3	0	3.048	787.908	856.996	856.996	1	3.048	1	1	79.252	79.252
1	66	1.27	1.016	79.252	0	1.016	787.908	858.266	858.266	1	1.016	1	1	79.506	79.506
1	67	1.27	2.54	79.506	0	2.54	787.908	859.536	859.536	1	2.54	1	1	78.236	78.236
1	68	0	3.302	78.236	0	3.302	787.908	859.536	859.536	1	3.302	1	1	74.934	74.934
1	69	0	3.81	74.934	0	3.81	787.908	859.536	859.536	1	3.81	1	1	71.124	71.124
1	70	0	3.81	71.124	0	3.81	787.908	859.536	859.536	1	3.81	1	1	67.314	67.314
1	71	4.064	1.016	67.314	0	1.016	787.908	863.6	863.6	1	1.016	1	1	70.362	70.362
1	72	13.462	2.286	70.362	0	2.286	787.908	877.062	877.062	1	2.286	1	1	81.538	81.538
1	73	0.254	2.54	81.538	0	2.54	787.908	877.316	877.316	1	2.54	1	1	79.252	79.252

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1	74	0	2.286	79.252	0	2.286	787.908	877.316	877.316	1	2.286	1	1	76.966	76.966
1	75	0.508	2.54	76.966	0	2.54	787.908	877.824	877.824	1	2.54	1	1	74.934	74.934
1	76	0	2.286	74.934	0	2.286	787.908	877.824	877.824	1	2.286	1	1	72.648	72.648
1	77	0	2.286	72.648	0	2.286	787.908	877.824	877.824	1	2.286	1	1	70.362	70.362
1	78	0	0.762	70.362	0	0.762	787.908	877.824	877.824	1	0.762	1	1	69.6	69.6
1	79	0	1.27	69.6	0	1.27	787.908	877.824	877.824	1	1.27	1	1	68.33	68.33
1	80	0	1.524	68.33	0	1.524	787.908	877.824	877.824	1	1.524	1	1	66.806	66.806
1	81	0	2.794	66.806	0	2.794	787.908	877.824	877.824	1	2.794	1	1	64.012	64.012
1	82	15.24	1.016	64.012	0	1.016	787.908	893.064	893.064	1	1.016	1	1	78.236	78.236
1	83	8.636	2.794	78.236	1.778000001	2.794	789.686	901.7	901.7	1	2.794	1	1	84.078	82.3
1	84	2.794	2.54	82.3	0.254	2.54	789.94	904.494	904.494	1	2.54	1	1	82.554	82.3
1	85	0	3.302	82.3	0	3.302	789.94	904.494	904.494	1	3.302	1	1	78.998	78.998
1	86	3.81	2.794	78.998	0	2.794	789.94	908.304	908.304	1	2.794	1	1	80.014	80.014
1	87	3.302	3.048	80.014	0	3.048	789.94	911.606	911.606	1	3.048	1	1	80.268	80.268
1	88	0	4.064	80.268	0	4.064	789.94	911.606	911.606	1	4.064	1	1	76.204	76.204
1	89	0	3.81	76.204	0	3.81	789.94	911.606	911.606	1	3.81	1	1	72.394	72.394
1	90	21.844	1.524	72.394	10.414	1.524	800.354	933.45	933.45	1	1.524	1	1	92.714	82.3
1	91	1.778	1.524	82.3	0.254	1.524	800.608	935.228	935.228	1	1.524	1	1	82.554	82.3
1	92	3.81	2.286	82.3	1.524	2.286	802.132	939.038	939.038	1	2.286	1	1	83.824	82.3
1	93	26.924	1.27	82.3	25.654	1.27	827.786	965.962	965.962	1	1.27	1	1	107.954	82.3
1	94	1.778	2.54	82.3	0	2.54	827.786	967.74	967.74	1	2.54	1	1	81.538	81.538
1	95	0	3.556	81.538	0	3.556	827.786	967.74	967.74	1	3.556	1	1	77.982	77.982
1	96	3.556	2.286	77.982	0	2.286	827.786	971.296	971.296	1	2.286	1	1	79.252	79.252
1	97	0.254	3.81	79.252	0	3.81	827.786	971.55	971.55	1	3.81	1	1	75.696	75.696
1	98	0	3.302	75.696	0	3.302	827.786	971.55	971.55	1	3.302	1	1	72.394	72.394
1	99	0	2.794	72.394	0	2.794	827.786	971.55	971.55	1	2.794	1	1	69.6	69.6
1	100	0	3.302	69.6	0	3.302	827.786	971.55	971.55	1	3.302	1	1	66.298	66.298
1	101	5.842	2.032	66.298	0	2.032	827.786	977.392	977.392	1	2.032	1	1	70.108	70.108
1	102	8.382	3.556	70.108	0	3.556	827.786	985.774	985.774	1	3.556	1	1	74.934	74.934
1	103	5.334	3.302	74.934	0	3.302	827.786	991.108	991.108	1	3.302	1	1	76.966	76.966
1	104	12.954	2.54	76.966	5.08	2.54	832.866	1004.062	1004.062	1	2.54	1	1	87.38	82.3
1	105	0	3.302	82.3	0	3.302	832.866	1004.062	1004.062	1	3.302	1	1	78.998	78.998
1	106	0	4.318	78.998	0	4.318	832.866	1004.062	1004.062	1	4.318	1	1	74.68	74.68
1	107	0	4.572	74.68	0	4.572	832.866	1004.062	1004.062	1	4.572	1	1	70.108	70.108
1	108	0	4.318	70.108	0	4.318	832.866	1004.062	1004.062	1	4.318	1	1	65.79	65.79
1	109	0	4.318	65.79	0	4.318	832.866	1004.062	1004.062	1	4.318	1	1	61.472	61.472
1	110	0	4.318	61.472	0	4.317999998	832.866	1004.062	1004.062	1	4.317999998	1	1	57.154	57.154
1	111	0	5.334	57.154	0	5.333999999	832.866	1004.062	1004.062	0.999999998	5.333999999	1	1	51.82	51.82000001
1	112	0	1.016	51.82000001	0	1.015999987	832.866	1004.062	1004.062	0.999999987	1.015999987	1	1	50.804	50.80400002
1	113	7.874	1.016	50.80400002	0	1.015999982	832.866	1011.936	1011.936	0.999999982	1.015999982	1	1	57.662	57.66200004
1	114	0	4.318	57.66200004	0	4.317999994	832.866	1011.936	1011.936	0.999999999	4.317999994	1	1	53.344	53.34400005
1	115	0	4.572	53.34400005	0	4.571999967	832.866	1011.936	1011.936	0.999999993	4.571999967	1	1	48.7720001	48.77200008
1	116	0	4.572	48.77200008	0	4.571999826	832.866	1011.936	1011.936	0.999999962	4.571999826	1	1	44.2000003	44.20000026
1	117	0	4.572	44.20000026	0	4.571999908	832.866	1011.936	1011.936	0.999999799	4.571999908	1	1	39.6280012	39.62800118
1	118	0	4.572	39.62800118	0	4.571995128	832.866	1011.936	1011.936	0.999998934	4.571995128	1	1	35.056006	35.05600605
1	119	0	4.318	35.05600605	0	4.317975643	832.866	1011.936	1011.936	0.999994359	4.317975643	1	1	30.7380304	30.7380304
1	120	0	4.064	30.7380304	0	4.063889371	832.866	1011.936	1011.936	0.999972778	4.063889371	1	1	26.674141	26.67414103
1	121	7.874	0.762	26.67414103	0	0.761908757	832.866	1019.81	1019.81	0.999880258	0.761908757	1	1	33.7862323	33.78623228

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1	122	5.334	2.54	33.78623228	0	2.539977239	832.866	1025.144	1025.144	0.999991039	2.539977239	1	1	36.580255	36.58025504
1	123	2.032	3.81	36.58025504	0	3.80998767	832.866	1027.176	1027.176	0.999996764	3.80998767	1	1	34.8022674	34.80226737
1	124	1.778	3.81	34.80226737	0	3.809976426	832.866	1028.954	1028.954	0.999993813	3.809976426	1	1	32.7702909	32.77029094
1	125	9.652	1.27	32.77029094	0	1.269983518	832.866	1038.606	1038.606	0.999987022	1.269983518	1	1	41.1523074	41.15230742
1	126	0	1.524	41.15230742	0	1.523999068	832.866	1038.606	1038.606	0.999999389	1.523999068	1	1	39.6283084	39.62830836
1	127	0	1.27	39.62830836	0	1.269998647	832.866	1038.606	1038.606	0.999998935	1.269998647	1	1	38.3583097	38.35830971
1	128	0	1.524	38.35830971	0	1.52399742	832.866	1038.606	1038.606	0.999998307	1.52399742	1	1	36.8343123	36.83431229
1	129	0	3.81	36.83431229	0	3.80998876	832.866	1038.606	1038.606	0.99999705	3.80998876	1	1	33.0243235	33.02432353
1	130	0	4.318	33.02432353	0	4.317948919	832.866	1038.606	1038.606	0.99998817	4.317948919	1	1	28.7063746	28.70637461
1	131	2.794	1.524	28.70637461	0	1.523912999	832.866	1041.4	1041.4	0.999942913	1.523912999	1	1	29.9764616	29.97646161
1	132	18.288	2.794	29.97646161	0	2.793899607	832.866	1059.688	1059.688	0.999964068	2.793899607	1	1	45.470562	45.470562
1	133	0	2.032	45.470562	0	2.031999743	832.866	1059.688	1059.688	0.999999873	2.031999743	1	1	43.4385623	43.43856226
1	134	0	2.286	43.43856226	0	2.285999393	832.866	1059.688	1059.688	0.999999734	2.285999393	1	1	41.1525629	41.15256287
1	135	0	3.048	41.15256287	0	3.047998137	832.866	1059.688	1059.688	0.999999389	3.047998137	1	1	38.1045647	38.10456473
1	136	0	4.064	38.10456473	0	4.063992455	832.866	1059.688	1059.688	0.999998143	4.063992455	1	1	34.0405723	34.04057228
1	137	0	5.08	34.04057228	0	5.079958508	832.866	1059.688	1059.688	0.999991832	5.079958508	1	1	28.9606138	28.96061377
1	138	0	5.334	28.96061377	0	5.333722448	832.866	1059.688	1059.688	0.999947965	5.333722448	1	1	23.6268913	23.62689132
1	139	0	5.08	23.62689132	0	5.078153012	832.866	1059.688	1059.688	0.99963642	5.078153012	1	1	18.5487383	18.54873831
1	140	0	4.572	18.54873831	0	4.56142694	832.866	1059.688	1059.688	0.997687432	4.56142694	1	1	13.9873114	13.98731137
1	141	0	5.08	13.98731137	0	5.018350081	832.866	1059.688	1059.688	0.987864189	5.018350081	1	1	8.96896129	8.968961287
1	142	0	5.08	8.968961287	0	4.707766135	832.866	1059.688	1059.688	0.926725617	4.707766135	1	1	4.26119515	4.261195153
1	143	0	5.08	4.261195153	0	3.305947725	832.866	1059.688	1059.688	0.650777111	3.305947725	1	1	0.95524743	0.955247428
1	144	0	4.318	0.955247428	0	0.744273578	832.866	1059.688	1059.688	0.172365349	0.744273578	1	1	0.21097385	0.21097385
1	145	0	5.08	0.21097385	0	0.195240448	832.866	1059.688	1059.688	0.038433159	0.195240448	1	1	0.0157334	0.015733403
1	146	0	4.064	0.015733403	0	0.011653774	832.866	1059.688	1059.688	0.002867562	0.011653774	1	1	0.00407963	0.004079629
1	147	4.826	0.762	0.004079629	0	0.000566587	832.866	1064.514	1064.514	0.000743553	0.000566587	1	1	4.82951304	4.829513041
1	148	28.956	0.508	4.829513041	0	0.358918817	832.866	1093.47	1093.47	0.706533105	0.358918817	1	1	33.4265942	33.42659422
1	149	3.302	2.032	33.42659422	0	2.03197924	832.866	1096.772	1096.772	0.999989784	2.03197924	1	1	34.696615	34.69661498
1	150	0	5.08	34.69661498	0	5.079967333	832.866	1096.772	1096.772	0.99999357	5.079967333	1	1	29.6166477	29.61664765
1	151	0	4.064	29.61664765	0	4.063833509	832.866	1096.772	1096.772	0.999959033	4.063833509	1	1	25.5528141	25.55281414
1	152	0	2.54	25.55281414	0	2.539542298	832.866	1096.772	1096.772	0.999819802	2.539542298	1	1	23.0132718	23.01327184
1	153	0	3.048	23.01327184	0	3.046614083	832.866	1096.772	1096.772	0.999545303	3.046614083	1	1	19.9666578	19.96665776
1	154	0	2.286	19.96665776	0	2.282845693	832.866	1096.772	1096.772	0.998620163	2.282845693	1	1	17.6838121	17.68381207
1	155	0	4.064	17.68381207	0	4.051123799	832.866	1096.772	1096.772	0.996831644	4.051123799	1	1	13.6326883	13.63268827
1	156	0	4.572	13.63268827	0	4.508911302	832.866	1096.772	1096.772	0.986201072	4.508911302	1	1	9.12377697	9.123776966
1	157	1.524	0.254	9.123776966	0	0.236374108	832.866	1098.296	1098.296	0.930606724	0.236374108	1	1	10.4114029	10.41140286
1	158	1.016	2.032	10.41140286	0	1.942653001	832.866	1099.312	1099.312	0.95603002	1.942653001	1	1	9.48474986	9.484749857
1	159	0	3.556	9.484749857	0	3.338732036	832.866	1099.312	1099.312	0.938901023	3.338732036	1	1	6.14601782	6.14601782
1	160	0	2.794	6.14601782	0	2.256516006	832.866	1099.312	1099.312	0.807629207	2.256516006	1	1	3.88950181	3.889501815
1	161	0	1.778	3.889501815	0	1.08455693	832.866	1099.312	1099.312	0.609987025	1.08455693	1	1	2.80494488	2.804944885
1	162	0	2.286	2.804944885	0	1.076483056	832.866	1099.312	1099.312	0.470902474	1.076483056	1	1	1.72846183	1.728461829
1	163	0	2.54	1.728461829	0	0.774714416	832.866	1099.312	1099.312	0.305005676	0.774714416	1	1	0.95374741	0.953747413
1	164	0.254	3.556	0.953747413	0	0.611987836	832.866	1099.566	1099.566	0.172100066	0.611987836	1	1	0.59575958	0.595759577
1	165	0	5.334	0.595759577	0	0.576916987	832.866	1099.566	1099.566	0.108158415	0.576916987	1	1	0.01884259	0.01884259
1	166	0	5.334	0.01884259	0	0.018318222	832.866	1099.566	1099.566	0.003434237	0.018318222	1	1	0.00052437	0.000524368
1	167	0	4.572	0.000524368	0	0.000436952	832.866	1099.566	1099.566	9.55713E-05	0.000436952	1	1	8.7416E-05	8.74158E-05
1	168	0	3.81	8.74158E-05	0	6.07025E-05	832.866	1099.566	1099.566	1.59324E-05	6.07025E-05	1	1	2.6713E-05	2.67133E-05
1	169	0	4.826	2.67133E-05	0	2.34967E-05	832.866	1099.566	1099.566	4.86878E-06	2.34967E-05	1	1	3.2166E-06	3.21664E-06

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
1	170	0	3.81	3.21664E-06	0	2.23367E-06	832.866	1099.566	1099.566	5.86264E-07	2.23367E-06	1	1	9.8297E-07	9.8297E-07
1	171	0	2.032	9.8297E-07	0	3.64045E-07	832.866	1099.566	1099.566	1.79156E-07	3.64045E-07	1	1	6.1892E-07	6.18925E-07
1	172	0	3.556	6.18925E-07	0	4.01135E-07	832.866	1099.566	1099.566	1.12805E-07	4.01135E-07	1	1	2.1779E-07	2.17789E-07
1	173	0	1.524	2.17789E-07	0	6.04941E-08	832.866	1099.566	1099.566	3.96943E-08	6.04941E-08	1	1	1.573E-07	1.57295E-07
1	174	0	3.81	1.57295E-07	0	1.09227E-07	832.866	1099.566	1099.566	2.86686E-08	1.09227E-07	1	1	4.8068E-08	4.80677E-08
1	175	0	4.064	4.80677E-08	0	3.5604E-08	832.866	1099.566	1099.566	8.76083E-09	3.5604E-08	1	1	1.2464E-08	1.24637E-08
1	176	0	5.08	1.24637E-08	0	1.15399E-08	832.866	1099.566	1099.566	2.27164E-09	1.15399E-08	1	1	9.238E-10	9.23801E-10
1	177	0	5.334	9.23801E-10	0	8.98096E-10	832.866	1099.566	1099.566	1.68372E-10	8.98096E-10	1	1	2.5705E-11	2.57049E-11
1	178	0	5.588	2.57049E-11	0	2.57049E-11	832.866	1099.566	1099.566	4.68497E-12	2.61796E-11	1	1	0	0
1	179	0	3.81	0	0	0	832.866	1099.566	1099.566	0	0	1	1	0	0
1	180	0	5.08	0	0	0	832.866	1099.566	1099.566	0	0	1	1	0	0
1	181	0	5.334	0	0	0	832.866	1099.566	1099.566	0	0	1	1	0	0
1	182	0	4.572	0	0	0	832.866	1099.566	1099.566	0	0	1	1	0	0
1	183	0	1.016	0	0	0	832.866	1099.566	1099.566	0	0	1	1	0	0
1	184	0	2.794	0	0	0	832.866	1099.566	1099.566	0	0	1	1	0	0
1	185	0	2.794	0	0	0	832.866	1099.566	1099.566	0	0	1	1	0	0
1	186	0	2.794	0	0	0	832.866	1099.566	1099.566	0	0	1	1	0	0
1	187	0	4.572	0	0	0	832.866	1099.566	1099.566	0	0	1	1	0	0
1	188	0	4.826	0	0	0	832.866	1099.566	1099.566	0	0	1	1	0	0
1	189	0	4.064	0	0	0	832.866	1099.566	1099.566	0	0	1	1	0	0
1	190	0.254	3.302	0	0	0	832.866	1099.82	1099.82	0	0	1	1	0.254	0.254
1	191	0	4.572	0.254	0	0.211505306	832.866	1099.82	1099.82	0.046261003	0.211505306	1	1	0.04249469	0.042494694
1	192	0	5.08	0.042494694	0	0.03934424	832.866	1099.82	1099.82	0.007744929	0.03934424	1	1	0.00315045	0.003150454
1	193	0	5.08	0.003150454	0	0.002916945	832.866	1099.82	1099.82	0.000574202	0.002916945	1	1	0.00023351	0.000233509
1	194	0	4.572	0.000233509	0	0.000194581	832.866	1099.82	1099.82	4.25594E-05	0.000194581	1	1	3.8928E-05	3.89276E-05
1	195	0.254	4.826	3.89276E-05	0	3.42402E-05	832.866	1100.074	1100.074	7.09495E-06	3.42402E-05	1	1	0.25400469	0.254004687
1	196	0	5.588	0.254004687	0	0.254004687	832.866	1100.074	1100.074	0.046261855	0.258511248	1	1	0	0
1	197	0	5.588	0	0	0	832.866	1100.074	1100.074	0	0	1	1	0	0
1	198	0	4.318	0	0	0	832.866	1100.074	1100.074	0	0	1	1	0	0
1	199	0	4.826	0	0	0	832.866	1100.074	1100.074	0	0	1	1	0	0
1	200	0	4.826	0	0	0	832.866	1100.074	1100.074	0	0	1	1	0	0
1	201	0	3.556	0	0	0	832.866	1100.074	1100.074	0	0	1	1	0	0
1	202	0	3.556	0	0	0	832.866	1100.074	1100.074	0	0	1	1	0	0
1	203	0	3.302	0	0	0	832.866	1100.074	1100.074	0	0	1	1	0	0
1	204	0	3.302	0	0	0	832.866	1100.074	1100.074	0	0	1	1	0	0
1	205	0	3.302	0	0	0	832.866	1100.074	1100.074	0	0	1	1	0	0
1	206	0	3.81	0	0	0	832.866	1100.074	1100.074	0	0	1	1	0	0
1	207	0	3.81	0	0	0	832.866	1100.074	1100.074	0	0	1	1	0	0
1	208	0	4.318	0	0	0	832.866	1100.074	1100.074	0	0	1	1	0	0
1	209	0	4.572	0	0	0	832.866	1100.074	1100.074	0	0	1	1	0	0
1	210	0	4.064	0	0	0	832.866	1100.074	1100.074	0	0	1	1	0	0
1	211	0	2.794	0	0	0	832.866	1100.074	1100.074	0	0	1	1	0	0
1	212	0	3.81	0	0	0	832.866	1100.074	1100.074	0	0	1	1	0	0
1	213	0	5.08	0	0	0	832.866	1100.074	1100.074	0	0	1	1	0	0
1	214	0	5.334	0	0	0	832.866	1100.074	1100.074	0	0	1	1	0	0
1	215	0	5.588	0	0	0	832.866	1100.074	1100.074	0	0	1	1	0	0
1	216	0	5.334	0	0	0	832.866	1100.074	1100.074	0	0	1	1	0	0
1	217	0	4.064	0	0	0	832.866	1100.074	1100.074	0	0	1	1	0	0

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
1	218	0	3.556	0	0	0	832.866	1100.074	1100.074	0	0	1	1	0	0
1	219	0	3.81	0	0	0	832.866	1100.074	1100.074	0	0	1	1	0	0
1	220	0	3.81	0	0	0	832.866	1100.074	1100.074	0	0	1	1	0	0
1	221	0	4.064	0	0	0	832.866	1100.074	1100.074	0	0	1	1	0	0
1	222	0.254	4.826	0	0	0	832.866	1100.328	1100.328	0	0	1	1	0.254	0.254
1	223	0	5.08	0.254	0	0.235005895	832.866	1100.328	1100.328	0.046261003	0.235005895	1	1	0.0189941	0.018994105
1	224	0	4.572	0.018994105	0	0.015827588	832.866	1100.328	1100.328	0.003461852	0.015827588	1	1	0.00316652	0.003166517
1	225	0	4.572	0.003166517	0	0.002638635	832.866	1100.328	1100.328	0.000577129	0.002638635	1	1	0.00052788	0.000527881
1	226	0	3.556	0.000527881	0	0.000342129	832.866	1100.328	1100.328	9.62117E-05	0.000342129	1	1	0.00018575	0.000185753
1	227	0	2.54	0.000185753	0	8.59924E-05	832.866	1100.328	1100.328	3.38553E-05	8.59924E-05	1	1	9.976E-05	9.97602E-05
1	228	0	3.302	9.97602E-05	0	6.0038E-05	832.866	1100.328	1100.328	1.81823E-05	6.0038E-05	1	1	3.9722E-05	3.97223E-05
1	229	0	4.572	3.97223E-05	0	3.31003E-05	832.866	1100.328	1100.328	7.23978E-06	3.31003E-05	1	1	6.622E-06	6.62199E-06
1	230	0	4.318	6.62199E-06	0	5.2115E-06	832.866	1100.328	1100.328	1.20692E-06	5.2115E-06	1	1	1.4105E-06	1.41049E-06
1	231	0	2.286	1.41049E-06	0	5.87676E-07	832.866	1100.328	1100.328	2.57076E-07	5.87676E-07	1	1	8.2282E-07	8.22815E-07
1	232	0	4.572	8.22815E-07	0	6.85646E-07	832.866	1100.328	1100.328	1.49966E-07	6.85646E-07	1	1	1.3717E-07	1.37169E-07
1	233	0	4.318	1.37169E-07	0	1.07952E-07	832.866	1100.328	1100.328	2.50005E-08	1.07952E-07	1	1	2.9217E-08	2.92172E-08
1	234	0	4.318	2.92172E-08	0	2.29939E-08	832.866	1100.328	1100.328	5.32513E-09	2.29939E-08	1	1	6.2233E-09	6.2233E-09
1	235	0	4.318	6.2233E-09	0	4.89773E-09	832.866	1100.328	1100.328	1.13426E-09	4.89773E-09	1	1	1.3256E-09	1.32557E-09
1	236	0	3.556	1.32557E-09	0	8.59124E-10	832.866	1100.328	1100.328	2.41598E-10	8.59124E-10	1	1	4.6645E-10	4.66446E-10
1	237	0.254	2.032	4.66446E-10	0	1.72749E-10	832.866	1100.582	1100.582	8.50145E-11	1.72749E-10	1	1	0.254	0.254
1	238	0	2.794	0.254	0	0.129253242	832.866	1100.582	1100.582	0.046261003	0.129253242	1	1	0.12474676	0.124746758
1	239	0	3.81	0.124746758	0	0.086610559	832.866	1100.582	1100.582	0.02273243	0.086610559	1	1	0.0381362	0.038136199
1	240	0	4.064	0.038136199	0	0.028247208	832.866	1100.582	1100.582	0.006950593	0.028247208	1	1	0.00988899	0.009888991
1	241	0	4.318	0.009888991	0	0.007782615	832.866	1100.582	1100.582	0.001802366	0.007782615	1	1	0.00210638	0.002106375
1	242	0	4.064	0.002106375	0	0.001560202	832.866	1100.582	1100.582	0.000383908	0.001560202	1	1	0.00054617	0.000546173
1	243	0	3.81	0.000546173	0	0.000379269	832.866	1100.582	1100.582	9.95455E-05	0.000379269	1	1	0.0001669	0.000166905
1	244	0	4.064	0.000166905	0	0.000123627	832.866	1100.582	1100.582	3.04201E-05	0.000123627	1	1	4.3278E-05	4.32776E-05
1	245	0	4.064	4.32776E-05	0	3.20559E-05	832.866	1100.582	1100.582	7.88778E-06	3.20559E-05	1	1	1.1222E-05	1.12217E-05
1	246	0	3.81	1.12217E-05	0	7.79245E-06	832.866	1100.582	1100.582	2.04526E-06	7.79245E-06	1	1	3.4292E-06	3.42922E-06
1	247	0	3.81	3.42922E-06	0	2.38129E-06	832.866	1100.582	1100.582	6.25011E-07	2.38129E-06	1	1	1.0479E-06	1.04793E-06
1	248	0	3.81	1.04793E-06	0	7.27697E-07	832.866	1100.582	1100.582	1.90997E-07	7.27697E-07	1	1	3.2024E-07	3.20238E-07
1	249	0	4.318	3.20238E-07	0	2.52027E-07	832.866	1100.582	1100.582	5.83665E-08	2.52027E-07	1	1	6.8211E-08	6.8211E-08
1	250	0	4.064	6.8211E-08	0	5.05242E-08	832.866	1100.582	1100.582	1.24321E-08	5.05242E-08	1	1	1.7687E-08	1.76868E-08
1	251	0	1.27	1.76868E-08	0	4.09396E-09	832.866	1100.582	1100.582	3.22359E-09	4.09396E-09	1	1	1.3593E-08	1.35928E-08
1	252	0.254	2.286	1.35928E-08	0	5.6634E-09	832.866	1100.836	1100.836	2.47743E-09	5.6634E-09	1	1	0.25400001	0.254000008
1	253	0	4.064	0.254000008	0	0.188004722	832.866	1100.836	1100.836	0.046261004	0.188004722	1	1	0.06599529	0.065995286
1	254	0	4.064	0.065995286	0	0.048880664	832.866	1100.836	1100.836	0.012027722	0.048880664	1	1	0.01711462	0.017114622
1	255	0	3.81	0.017114622	0	0.011884538	832.866	1100.836	1100.836	0.003119301	0.011884538	1	1	0.00523008	0.005230084
1	256	0	3.556	0.005230084	0	0.003389704	832.866	1100.836	1100.836	0.000953235	0.003389704	1	1	0.00184038	0.001840381
1	257	0	1.524	0.001840381	0	0.000511192	832.866	1100.836	1100.836	0.000335428	0.000511192	1	1	0.00132919	0.001329189
1	258	0	1.016	0.001329189	0	0.000246134	832.866	1100.836	1100.836	0.000242258	0.000246134	1	1	0.00108305	0.001083055
1	259	0	2.54	0.001083055	0	0.00050139	832.866	1100.836	1100.836	0.000197398	0.00050139	1	1	0.00058166	0.000581665
1	260	0.254	3.048	0.000581665	0	0.000323131	832.866	1101.09	1101.09	0.000106014	0.000323131	1	1	0.25425853	0.254258533
1	261	0	3.556	0.254258533	0	0.164671327	832.866	1101.09	1101.09	0.046308022	0.164671327	1	1	0.08958721	0.089587206
1	262	0	3.556	0.089587206	0	0.0580578	832.866	1101.09	1101.09	0.016326715	0.0580578	1	1	0.03152941	0.031529406
1	263	0.254	2.54	0.031529406	0	0.014596077	832.866	1101.344	1101.344	0.005746487	0.014596077	1	1	0.27093333	0.270933329
1	264	0	0.762	0.270933329	0	0.037597246	832.866	1101.344	1101.344	0.049340218	0.037597246	1	1	0.23333608	0.233336083
1	265	0	1.524	0.233336083	0	0.064773383	832.866	1101.344	1101.344	0.04250222	0.064773383	1	1	0.1685627	0.1685627

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
Proposed Target Development Site  
Scotts Valley, California

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
1	266	0	2.794	0.1685627	0	0.085810948	832.866	1101.344	1101.344	0.03071258	0.085810948	1	1	0.08275175	0.082751752
1	267	0	3.302	0.082751752	0	0.049798099	832.866	1101.344	1101.344	0.015081193	0.049798099	1	1	0.03295365	0.032953654
1	268	0	0.508	0.032953654	0	0.003051079	832.866	1101.344	1101.344	0.006006061	0.003051079	1	1	0.02990257	0.029902574
1	269	0.508	1.016	0.029902574	0	0.00553719	832.866	1101.852	1101.852	0.00544999	0.00553719	1	1	0.53236538	0.532365385
1	270	0	1.27	0.532365385	0	0.122841479	832.866	1101.852	1101.852	0.096725574	0.122841479	1	1	0.40952391	0.409523906
1	271	0	3.048	0.409523906	0	0.227080683	832.866	1101.852	1101.852	0.074501536	0.227080683	1	1	0.18244322	0.182443223
1	272	0	0.254	0.182443223	0	0.008442923	832.866	1101.852	1101.852	0.033239856	0.008442923	1	1	0.1740003	0.174000299
1	273	0	0.762	0.174000299	0	0.024157436	832.866	1101.852	1101.852	0.031702671	0.024157436	1	1	0.14984286	0.149842864
1	274	0	0.508	0.149842864	0	0.013870217	832.866	1101.852	1101.852	0.027303576	0.013870217	1	1	0.13597265	0.135972647
1	275	0	2.286	0.135972647	0	0.056640921	832.866	1101.852	1101.852	0.024777306	0.056640921	1	1	0.07933173	0.079331726
1	276	0	3.302	0.079331726	0	0.047740299	832.866	1101.852	1101.852	0.014457995	0.047740299	1	1	0.03159143	0.031591427
1	277	0	3.048	0.031591427	0	0.017549746	832.866	1101.852	1101.852	0.005757791	0.017549746	1	1	0.01404168	0.014041681
1	278	0	3.81	0.014041681	0	0.009750672	832.866	1101.852	1101.852	0.002559232	0.009750672	1	1	0.00429101	0.004291009
1	279	0	3.81	0.004291009	0	0.002979722	832.866	1101.852	1101.852	0.000782079	0.002979722	1	1	0.00131129	0.001311287
1	280	0	3.302	0.001311287	0	0.000789162	832.866	1101.852	1101.852	0.000238995	0.000789162	1	1	0.00052212	0.000522125
1	281	0	2.794	0.000522125	0	0.000265884	832.866	1101.852	1101.852	9.51625E-05	0.000265884	1	1	0.00025624	0.000256241
1	282	0	3.048	0.000256241	0	0.000142349	832.866	1101.852	1101.852	4.67025E-05	0.000142349	1	1	0.00011389	0.000113892
1	283	0	3.048	0.000113892	0	6.32701E-05	832.866	1101.852	1101.852	2.07579E-05	6.32701E-05	1	1	5.0622E-05	5.06216E-05
1	284	0	3.048	5.06216E-05	0	2.81218E-05	832.866	1101.852	1101.852	9.2263E-06	2.81218E-05	1	1	2.25E-05	2.24999E-05
1	285	0	1.778	2.24999E-05	0	7.29127E-06	832.866	1101.852	1101.852	4.10083E-06	7.29127E-06	1	1	1.5209E-05	1.52086E-05
1	286	0	2.794	1.52086E-05	0	7.74474E-06	832.866	1101.852	1101.852	2.77192E-06	7.74474E-06	1	1	7.4639E-06	7.46386E-06
1	287	0	2.286	7.46386E-06	0	3.10979E-06	832.866	1101.852	1101.852	1.36036E-06	3.10979E-06	1	1	4.3541E-06	4.35407E-06
1	288	0	2.54	4.35407E-06	0	2.01567E-06	832.866	1101.852	1101.852	7.93572E-07	2.01567E-06	1	1	2.3384E-06	2.33839E-06
1	289	0	3.556	2.33839E-06	0	1.51555E-06	832.866	1101.852	1101.852	4.26196E-07	1.51555E-06	1	1	8.2284E-07	8.22842E-07
1	290	0	3.302	8.22842E-07	0	4.95205E-07	832.866	1101.852	1101.852	1.49971E-07	4.95205E-07	1	1	3.2764E-07	3.27637E-07
1	291	0	3.048	3.27637E-07	0	1.82012E-07	832.866	1101.852	1101.852	5.97151E-08	1.82012E-07	1	1	1.4563E-07	1.45625E-07
1	292	0	3.302	1.45625E-07	0	8.76406E-08	832.866	1101.852	1101.852	2.65417E-08	8.76406E-08	1	1	5.7985E-08	5.79847E-08
1	293	0	3.556	5.79847E-08	0	3.75808E-08	832.866	1101.852	1101.852	1.05683E-08	3.75808E-08	1	1	2.0404E-08	2.04038E-08
1	294	0.254	3.048	2.04038E-08	0	1.13349E-08	832.866	1102.106	1102.106	3.71881E-09	1.13349E-08	1	1	0.25400001	0.254000009
1	295	0	1.524	0.254000009	0	0.070501771	832.866	1102.106	1102.106	0.046261005	0.070501771	1	1	0.18349824	0.183498238
1	296	0	1.524	0.183498238	0	0.05095026	832.866	1102.106	1102.106	0.033431929	0.05095026	1	1	0.13254798	0.132547978
1	297	22.352	0	0.132547978	0	0	832.866	1124.458	1124.458	0.024153499	0	1	1	22.484548	22.48454798
1	298	0	2.286	22.48454798	0	2.284739685	832.866	1124.458	1124.458	0.999448681	2.284739685	1	1	20.1998083	20.19980829
1	299	0	2.032	20.19980829	0	2.029424474	832.866	1124.458	1124.458	0.998732517	2.029424474	1	1	18.1703838	18.17038382
1	300	0	0.508	18.17038382	0	0.506651718	832.866	1124.458	1124.458	0.997345901	0.506651718	1	1	17.6637321	17.6637321
1	301	0	0	17.6637321	0	0	832.866	1124.458	1124.458	0.996808405	0	1	1	17.6637321	17.6637321
1	302	0	1.016	17.6637321	0	1.012757339	832.866	1124.458	1124.458	0.996808405	1.012757339	1	1	16.6509748	16.65097476
1	303	0	1.778	16.65097476	0	1.769797261	832.866	1124.458	1124.458	0.995386536	1.769797261	1	1	14.8811775	14.8811775
1	304	0	2.032	14.8811775	0	2.01416723	832.866	1124.458	1124.458	0.99122403	2.01416723	1	1	12.8670103	12.86701027
1	305	0	2.032	12.86701027	0	1.995015548	832.866	1124.458	1124.458	0.98179899	1.995015548	1	1	10.8719947	10.87199472
1	306	0	1.778	10.87199472	0	1.711679104	832.866	1124.458	1124.458	0.962699159	1.711679104	1	1	9.16031562	9.16031562
1	307	0	1.524	9.16031562	0	1.419595944	832.866	1124.458	1124.458	0.931493401	1.419595944	1	1	7.74071968	7.740719676
1	308	0	1.524	7.740719676	0	1.352807454	832.866	1124.458	1124.458	0.887668933	1.352807454	1	1	6.38791222	6.387912222
1	309	0	2.032	6.387912222	0	1.67116491	832.866	1124.458	1124.458	0.822423676	1.67116491	1	1	4.71674731	4.716747312
1	310	1.524	0.254	4.716747312	0	0.176806839	832.866	1125.982	1125.982	0.696089918	0.176806839	1	1	6.06394047	6.063940473
1	311	27.178	0.254	6.063940473	0	0.203800475	832.866	1153.16	1153.16	0.802364074	0.203800475	1	1	33.03814	33.03814
1	312	4.572	0.508	33.03814	0	0.507994021	832.866	1157.732	1157.732	0.99998823	0.507994021	1	1	37.102146	37.10214598
1	313	0.254	1.27	37.10214598	0	1.269996602	832.866	1157.986	1157.986	0.999997324	1.269996602	1	1	36.0861494	36.08614938

**Appendix E - Table 1  
 COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
 Proposed Target Development Site  
 Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
1	314	10.668	0	36.08614938	0	0	832.866	1168.654	1168.654	0.999996125	0	1	1	46.7541494	46.75414938
1	315	2.286	1.27	46.75414938	0	1.269999899	832.866	1170.94	1170.94	0.999999921	1.269999899	1	1	47.7701495	47.77014948
1	316	0	1.524	47.77014948	0	1.523999917	832.866	1170.94	1170.94	0.999999945	1.523999917	1	1	46.2461496	46.24614956
1	317	0	1.27	46.24614956	0	1.269999879	832.866	1170.94	1170.94	0.999999905	1.269999879	1	1	44.9761497	44.97614968
1	318	0	1.27	44.97614968	0	1.269999807	832.866	1170.94	1170.94	0.999999848	1.269999807	1	1	43.7061499	43.70614987
1	319	0	1.524	43.70614987	0	1.523999633	832.866	1170.94	1170.94	0.999999759	1.523999633	1	1	42.1821502	42.18215024
1	320	2.286	0.508	42.18215024	0	0.507999787	832.866	1173.226	1173.226	0.99999958	0.507999787	1	1	43.9601505	43.96015045
1	321	6.35	0.762	43.96015045	0	0.761999833	832.866	1179.576	1179.576	0.99999978	0.761999833	1	1	49.5481506	49.54815062
1	322	0	1.27	49.54815062	0	1.269999964	832.866	1179.576	1179.576	0.999999971	1.269999964	1	1	48.2781507	48.27815066
1	323	0	1.27	48.27815066	0	1.269999942	832.866	1179.576	1179.576	0.999999954	1.269999942	1	1	47.0081507	47.00815072
1	324	0	1.27	47.00815072	0	1.269999908	832.866	1179.576	1179.576	0.999999928	1.269999908	1	1	45.7381508	45.73815081
1	325	1.27	1.27	45.73815081	0	1.269999854	832.866	1180.846	1180.846	0.999999885	1.269999854	1	1	45.738151	45.73815095
1	326	2.032	1.016	45.73815095	0	1.015999883	832.866	1182.878	1182.878	0.999999885	1.015999883	1	1	46.7541511	46.75415107
1	327	17.272	0	46.75415107	0	0	832.866	1200.15	1200.15	0.999999921	0	1	1	64.0261511	64.02615107
1	328	0.254	0.762	64.02615107	0	0.762	832.866	1200.404	1200.404	1	0.762	1	1	63.5181511	63.51815107
1	329	0	1.27	63.51815107	0	1.27	832.866	1200.404	1200.404	1	1.27	1	1	62.2481511	62.24815107
1	330	0.762	1.27	62.24815107	0	1.27	832.866	1201.166	1201.166	1	1.27	1	1	61.7401511	61.74015107
1	331	12.7	0	61.74015107	0	0	832.866	1213.866	1213.866	1	0	1	1	74.4401511	74.44015107
1	332	1.778	1.27	74.44015107	0	1.27	832.866	1215.644	1215.644	1	1.27	1	1	74.9481511	74.94815107
1	333	26.416	0	74.94815107	19.06415107	0	851.9301511	1242.06	1242.06	1	0	1	1	101.364151	82.3
1	334	34.29	0	82.3	34.29	0	886.2201511	1276.35	1276.35	1	0	1	1	116.59	82.3
1	335	0.254	1.016	82.3	0	1.016	886.2201511	1276.604	1276.604	1	1.016	1	1	81.538	81.538
1	336	1.778	0.254	81.538	0.762	0.254	886.9821511	1278.382	1278.382	1	0.254	1	1	83.062	82.3
1	337	12.7	0.254	82.3	12.446	0.254	899.4281511	1291.082	1291.082	1	0.254	1	1	94.746	82.3
1	338	0	0.508	82.3	0	0.508	899.4281511	1291.082	1291.082	1	0.508	1	1	81.792	81.792
1	339	14.224	0.762	81.792	12.954	0.762	912.3821511	1305.306	1305.306	1	0.762	1	1	95.254	82.3
1	340	0	1.27	82.3	0	1.27	912.3821511	1305.306	1305.306	1	1.27	1	1	81.03	81.03
1	341	0	1.016	81.03	0	1.016	912.3821511	1305.306	1305.306	1	1.016	1	1	80.014	80.014
1	342	1.27	1.016	80.014	0	1.016	912.3821511	1306.576	1306.576	1	1.016	1	1	80.268	80.268
1	343	0	1.524	80.268	0	1.524	912.3821511	1306.576	1306.576	1	1.524	1	1	78.744	78.744
1	344	0	1.27	78.744	0	1.27	912.3821511	1306.576	1306.576	1	1.27	1	1	77.474	77.474
1	345	0	1.016	77.474	0	1.016	912.3821511	1306.576	1306.576	1	1.016	1	1	76.458	76.458
1	346	0	1.016	76.458	0	1.016	912.3821511	1306.576	1306.576	1	1.016	1	1	75.442	75.442
1	347	0.762	0.508	75.442	0	0.508	912.3821511	1307.338	1307.338	1	0.508	1	1	75.696	75.696
1	348	0	1.27	75.696	0	1.27	912.3821511	1307.338	1307.338	1	1.27	1	1	74.426	74.426
1	349	0	1.27	74.426	0	1.27	912.3821511	1307.338	1307.338	1	1.27	1	1	73.156	73.156
1	350	0	1.778	73.156	0	1.778	912.3821511	1307.338	1307.338	1	1.778	1	1	71.378	71.378
1	351	0	1.524	71.378	0	1.524	912.3821511	1307.338	1307.338	1	1.524	1	1	69.854	69.854
1	352	0	0	69.854	0	0	912.3821511	1307.338	1307.338	1	0	1	1	69.854	69.854
1	353	0	1.27	69.854	0	1.27	912.3821511	1307.338	1307.338	1	1.27	1	1	68.584	68.584
1	354	3.302	0.508	68.584	0	0.508	912.3821511	1310.64	1310.64	1	0.508	1	1	71.378	71.378
1	355	0	1.524	71.378	0	1.524	912.3821511	1310.64	1310.64	1	1.524	1	1	69.854	69.854
1	356	0	1.524	69.854	0	1.524	912.3821511	1310.64	1310.64	1	1.524	1	1	68.33	68.33
1	357	0	1.524	68.33	0	1.524	912.3821511	1310.64	1310.64	1	1.524	1	1	66.806	66.806
1	358	0	1.524	66.806	0	1.524	912.3821511	1310.64	1310.64	1	1.524	1	1	65.282	65.282
1	359	0	1.27	65.282	0	1.27	912.3821511	1310.64	1310.64	1	1.27	1	1	64.012	64.012
1	360	0	1.016	64.012	0	1.016	912.3821511	1310.64	1310.64	1	1.016	1	1	62.996	62.996
1	361	0	1.016	62.996	0	1.016	912.3821511	1310.64	1310.64	1	1.016	1	1	61.98	61.98



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 COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
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Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
1	362	0	1.016	61.98	0	1.016	912.3821511	1310.64	1310.64	1	1.016	1	1	60.964	60.964
1	363	0	1.016	60.964	0	1.016	912.3821511	1310.64	1310.64	1	1.016	1	1	59.948	59.948
1	364	0	1.016	59.948	0	1.015999999	912.3821511	1310.64	1310.64	0.999999999	1.015999999	1	1	58.932	58.932
1	365	0	1.016	58.932	0	1.015999999	912.3821511	1310.64	1310.64	0.999999999	1.015999999	1	1	57.916	57.916
2	1	0	1.27	82.3	0	1.27	0	0	0	1	1.27	1	1	81.03	81.03
2	2	0	2.032	81.03	0	2.032	0	0	0	1	2.032	1	1	78.998	78.998
2	3	0	2.032	78.998	0	2.032	0	0	0	1	2.032	1	1	76.966	76.966
2	4	0	1.778	76.966	0	1.778	0	0	0	1	1.778	1	1	75.188	75.188
2	5	0	2.032	75.188	0	2.032	0	0	0	1	2.032	1	1	73.156	73.156
2	6	0	1.524	73.156	0	1.524	0	0	0	1	1.524	1	1	71.632	71.632
2	7	0	1.016	71.632	0	1.016	0	0	0	1	1.016	1	1	70.616	70.616
2	8	0	1.524	70.616	0	1.524	0	0	0	1	1.524	1	1	69.092	69.092
2	9	0	1.778	69.092	0	1.778	0	0	0	1	1.778	1	1	67.314	67.314
2	10	0	2.032	67.314	0	2.032	0	0	0	1	2.032	1	1	65.282	65.282
2	11	0	1.524	65.282	0	1.524	0	0	0	1	1.524	1	1	63.758	63.758
2	12	0	1.27	63.758	0	1.27	0	0	0	1	1.27	1	1	62.488	62.488
2	13	0	1.016	62.488	0	1.016	0	0	0	1	1.016	1	1	61.472	61.472
2	14	0	1.016	61.472	0	1.016	0	0	0	1	1.016	1	1	60.456	60.456
2	15	3.81	1.016	60.456	0	1.015999999	0	3.81	3.81	0.999999999	1.015999999	1	1	63.25	63.25
2	16	1.016	0.254	63.25	0	0.254	0	4.826	4.826	1	0.254	1	1	64.012	64.012
2	17	6.858	0	64.012	0	0	0	11.684	11.684	1	0	1	1	70.87	70.87
2	18	68.072	0	70.87	56.642	0	56.642	79.756	79.756	1	0	1	1	138.942	82.3
2	19	34.544	0	82.3	34.544	0	91.186	114.3	114.3	1	0	1	1	116.844	82.3
2	20	32.258	0	82.3	32.258	0	123.444	146.558	146.558	1	0	1	1	114.558	82.3
2	21	0.254	1.016	82.3	0	1.016	123.444	146.812	146.812	1	1.016	1	1	81.538	81.538
2	22	1.524	0.762	81.538	0	0.762	123.444	148.336	148.336	1	0.762	1	1	82.3	82.3
2	23	7.112	0.254	82.3	6.858	0.254	130.302	155.448	155.448	1	0.254	1	1	89.158	82.3
2	24	0	1.27	82.3	0	1.27	130.302	155.448	155.448	1	1.27	1	1	81.03	81.03
2	25	0.508	0.762	81.03	0	0.762	130.302	155.956	155.956	1	0.762	1	1	80.776	80.776
2	26	17.018	0.254	80.776	15.24	0.254	145.542	172.974	172.974	1	0.254	1	1	97.54	82.3
2	27	0	1.778	82.3	0	1.778	145.542	172.974	172.974	1	1.778	1	1	80.522	80.522
2	28	0	1.524	80.522	0	1.524	145.542	172.974	172.974	1	1.524	1	1	78.998	78.998
2	29	0	1.778	78.998	0	1.778	145.542	172.974	172.974	1	1.778	1	1	77.22	77.22
2	30	7.112	1.016	77.22	1.016	1.016	146.558	180.086	180.086	1	1.016	1	1	83.316	82.3
2	31	20.828	0.762	82.3	20.066	0.762	166.624	200.914	200.914	1	0.762	1	1	102.366	82.3
2	32	0	1.778	82.3	0	1.778	166.624	200.914	200.914	1	1.778	1	1	80.522	80.522
2	33	0	1.778	80.522	0	1.778	166.624	200.914	200.914	1	1.778	1	1	78.744	78.744
2	34	0	2.032	78.744	0	2.032	166.624	200.914	200.914	1	2.032	1	1	76.712	76.712
2	35	0	1.778	76.712	0	1.778	166.624	200.914	200.914	1	1.778	1	1	74.934	74.934
2	36	0	1.778	74.934	0	1.778	166.624	200.914	200.914	1	1.778	1	1	73.156	73.156
2	37	62.992	0	73.156	53.848	0	220.472	263.906	263.906	1	0	1	1	136.148	82.3
2	38	77.724	0	82.3	77.724	0	298.196	341.63	341.63	1	0	1	1	160.024	82.3
2	39	12.192	0	82.3	12.192	0	310.388	353.822	353.822	1	0	1	1	94.492	82.3
2	40	18.288	1.016	82.3	17.272	1.016	327.66	372.11	372.11	1	1.016	1	1	99.572	82.3
2	41	0.254	2.032	82.3	0	2.032	327.66	372.364	372.364	1	2.032	1	1	80.522	80.522
2	42	0	2.286	80.522	0	2.286	327.66	372.364	372.364	1	2.286	1	1	78.236	78.236
2	43	0	2.032	78.236	0	2.032	327.66	372.364	372.364	1	2.032	1	1	76.204	76.204
2	44	4.572	2.032	76.204	0	2.032	327.66	376.936	376.936	1	2.032	1	1	78.744	78.744

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
2	45	0	1.016	78.744	0	1.016	327.66	376.936	376.936	1	1.016	1	1	77.728	77.728
2	46	0	1.524	77.728	0	1.524	327.66	376.936	376.936	1	1.524	1	1	76.204	76.204
2	47	38.1	0	76.204	32.004	0	359.664	415.036	415.036	1	0	1	1	114.304	82.3
2	48	7.366	2.032	82.3	5.334	2.032	364.998	422.402	422.402	1	2.032	1	1	87.634	82.3
2	49	11.176	0	82.3	11.176	0	376.174	433.578	433.578	1	0	1	1	93.476	82.3
2	50	0	2.286	82.3	0	2.286	376.174	433.578	433.578	1	2.286	1	1	80.014	80.014
2	51	20.32	0.254	80.014	17.78	0.254	393.954	453.898	453.898	1	0.254	1	1	100.08	82.3
2	52	2.794	2.032	82.3	0.762	2.032	394.716	456.692	456.692	1	2.032	1	1	83.062	82.3
2	53	0	2.286	82.3	0	2.286	394.716	456.692	456.692	1	2.286	1	1	80.014	80.014
2	54	0	2.54	80.014	0	2.54	394.716	456.692	456.692	1	2.54	1	1	77.474	77.474
2	55	3.048	1.778	77.474	0	1.778	394.716	459.74	459.74	1	1.778	1	1	78.744	78.744
2	56	3.81	1.778	78.744	0	1.778	394.716	463.55	463.55	1	1.778	1	1	80.776	80.776
2	57	0	2.286	80.776	0	2.286	394.716	463.55	463.55	1	2.286	1	1	78.49	78.49
2	58	0	2.54	78.49	0	2.54	394.716	463.55	463.55	1	2.54	1	1	75.95	75.95
2	59	0	2.286	75.95	0	2.286	394.716	463.55	463.55	1	2.286	1	1	73.664	73.664
2	60	0	3.048	73.664	0	3.048	394.716	463.55	463.55	1	3.048	1	1	70.616	70.616
2	61	2.032	2.794	70.616	0	2.794	394.716	465.582	465.582	1	2.794	1	1	69.854	69.854
2	62	10.16	2.54	69.854	0	2.54	394.716	475.742	475.742	1	2.54	1	1	77.474	77.474
2	63	0	2.794	77.474	0	2.794	394.716	475.742	475.742	1	2.794	1	1	74.68	74.68
2	64	0	2.286	74.68	0	2.286	394.716	475.742	475.742	1	2.286	1	1	72.394	72.394
2	65	0	2.032	72.394	0	2.032	394.716	475.742	475.742	1	2.032	1	1	70.362	70.362
2	66	0	3.048	70.362	0	3.048	394.716	475.742	475.742	1	3.048	1	1	67.314	67.314
2	67	7.366	0.508	67.314	0	0.508	394.716	483.108	483.108	1	0.508	1	1	74.172	74.172
2	68	5.588	1.778	74.172	0	1.778	394.716	488.696	488.696	1	1.778	1	1	77.982	77.982
2	69	0	2.286	77.982	0	2.286	394.716	488.696	488.696	1	2.286	1	1	75.696	75.696
2	70	0.254	3.048	75.696	0	3.048	394.716	488.95	488.95	1	3.048	1	1	72.902	72.902
2	71	0	3.048	72.902	0	3.048	394.716	488.95	488.95	1	3.048	1	1	69.854	69.854
2	72	0	2.54	69.854	0	2.54	394.716	488.95	488.95	1	2.54	1	1	67.314	67.314
2	73	12.192	0.508	67.314	0	0.508	394.716	501.142	501.142	1	0.508	1	1	78.998	78.998
2	74	4.064	1.524	78.998	0	1.524	394.716	505.206	505.206	1	1.524	1	1	81.538	81.538
2	75	0	2.286	81.538	0	2.286	394.716	505.206	505.206	1	2.286	1	1	79.252	79.252
2	76	0	3.048	79.252	0	3.048	394.716	505.206	505.206	1	3.048	1	1	76.204	76.204
2	77	0	2.286	76.204	0	2.286	394.716	505.206	505.206	1	2.286	1	1	73.918	73.918
2	78	9.398	0.508	73.918	0.508	0.508	395.224	514.604	514.604	1	0.508	1	1	82.808	82.3
2	79	0.254	1.524	82.3	0	1.524	395.224	514.858	514.858	1	1.524	1	1	81.03	81.03
2	80	1.27	3.302	81.03	0	3.302	395.224	516.128	516.128	1	3.302	1	1	78.998	78.998
2	81	7.874	2.286	78.998	2.286	2.286	397.51	524.002	524.002	1	2.286	1	1	84.586	82.3
2	82	7.62	3.302	82.3	4.318	3.302	401.828	531.622	531.622	1	3.302	1	1	86.618	82.3
2	83	19.05	0.508	82.3	18.542	0.508	420.37	550.672	550.672	1	0.508	1	1	100.842	82.3
2	84	0	2.54	82.3	0	2.54	420.37	550.672	550.672	1	2.54	1	1	79.76	79.76
2	85	0	4.064	79.76	0	4.064	420.37	550.672	550.672	1	4.064	1	1	75.696	75.696
2	86	0	4.064	75.696	0	4.064	420.37	550.672	550.672	1	4.064	1	1	71.632	71.632
2	87	0	3.81	71.632	0	3.81	420.37	550.672	550.672	1	3.81	1	1	67.822	67.822
2	88	0	3.556	67.822	0	3.556	420.37	550.672	550.672	1	3.556	1	1	64.266	64.266
2	89	3.81	3.81	64.266	0	3.809999999	420.37	554.482	554.482	1	3.809999999	1	1	64.266	64.266
2	90	1.27	3.556	64.266	0	3.556	420.37	555.752	555.752	1	3.556	1	1	61.98	61.98
2	91	0	3.302	61.98	0	3.301999999	420.37	555.752	555.752	1	3.301999999	1	1	58.678	58.678
2	92	0	4.064	58.678	0	4.063999996	420.37	555.752	555.752	0.999999999	4.063999996	1	1	54.614	54.61400001

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
2	93	0	3.81	54.61400001	0	3.809999983	420.37	555.752	555.752	0.999999995	3.809999983	1	1	50.804	50.80400002
2	94	0	4.064	50.80400002	0	4.063999926	420.37	555.752	555.752	0.999999982	4.063999926	1	1	46.7400001	46.7400001
2	95	23.622	0.508	46.7400001	0	0.507999959	420.37	579.374	579.374	0.99999992	0.507999959	1	1	69.8540001	69.85400014
2	96	11.176	1.27	69.85400014	0	1.27	420.37	590.55	590.55	1	1.27	1	1	79.7600001	79.76000014
2	97	1.016	0.762	79.76000014	0	0.762	420.37	591.566	591.566	1	0.762	1	1	80.0140001	80.01400014
2	98	7.112	2.54	80.01400014	2.286000138	2.54	422.6560001	598.678	598.678	1	2.54	1	1	84.5860001	82.3
2	99	0	3.302	82.3	0	3.302	422.6560001	598.678	598.678	1	3.302	1	1	78.998	78.998
2	100	5.588	2.032	78.998	0.254	2.032	422.9100001	604.266	604.266	1	2.032	1	1	82.554	82.3
2	101	23.114	1.016	82.3	22.098	1.016	445.0080001	627.38	627.38	1	1.016	1	1	104.398	82.3
2	102	0	3.556	82.3	0	3.556	445.0080001	627.38	627.38	1	3.556	1	1	78.744	78.744
2	103	0	2.794	78.744	0	2.794	445.0080001	627.38	627.38	1	2.794	1	1	75.95	75.95
2	104	0	4.826	75.95	0	4.826	445.0080001	627.38	627.38	1	4.826	1	1	71.124	71.124
2	105	0	5.08	71.124	0	5.08	445.0080001	627.38	627.38	1	5.08	1	1	66.044	66.044
2	106	0	5.334	66.044	0	5.334	445.0080001	627.38	627.38	1	5.334	1	1	60.71	60.71
2	107	0	5.08	60.71	0	5.079999998	445.0080001	627.38	627.38	1	5.079999998	1	1	55.63	55.63
2	108	0	4.318	55.63	0	4.317999987	445.0080001	627.38	627.38	0.999999997	4.317999987	1	1	51.312	51.31200002
2	109	0	4.572	51.31200002	0	4.571999931	445.0080001	627.38	627.38	0.999999985	4.571999931	1	1	46.7400001	46.74000009
2	110	0	4.572	46.74000009	0	4.571999635	445.0080001	627.38	627.38	0.99999992	4.571999635	1	1	42.1680004	42.16800045
2	111	0	4.572	42.16800045	0	4.57199807	445.0080001	627.38	627.38	0.999999578	4.57199807	1	1	37.5960024	37.59600238
2	112	0	5.334	37.59600238	0	5.333988079	445.0080001	627.38	627.38	0.999997765	5.333988079	1	1	32.2620143	32.2620143
2	113	0	5.842	32.2620143	0	5.841908753	445.0080001	627.38	627.38	0.999984381	5.841908753	1	1	26.4201055	26.42010555
2	114	0	0.762	26.42010555	0	0.761899904	445.0080001	627.38	627.38	0.999868641	0.761899904	1	1	25.6582056	25.65820564
2	115	0	1.778	25.65820564	0	1.777691683	445.0080001	627.38	627.38	0.999826593	1.777691683	1	1	23.880514	23.88051396
2	116	0	4.064	23.88051396	0	4.062652867	445.0080001	627.38	627.38	0.999668521	4.062652867	1	1	19.8178611	19.81786109
2	117	0	4.572	19.81786109	0	4.565340017	445.0080001	627.38	627.38	0.998543311	4.565340017	1	1	15.2525211	15.25252108
2	118	0	4.826	15.25252108	0	4.788988498	445.0080001	627.38	627.38	0.992330812	4.788988498	1	1	10.4635326	10.46353258
2	119	0	5.08	10.46353258	0	4.8607462	445.0080001	627.38	627.38	0.956839803	4.8607462	1	1	5.60278638	5.602786378
2	120	0	3.048	5.602786378	0	2.347996952	445.0080001	627.38	627.38	0.770340207	2.347996952	1	1	3.25478943	3.254789426
2	121	0	2.794	3.254789426	0	1.486983786	445.0080001	627.38	627.38	0.53220608	1.486983786	1	1	1.76780564	1.76780564
2	122	0.254	2.794	1.76780564	0	0.870317271	445.0080001	627.634	627.634	0.311495086	0.870317271	1	1	1.15148837	1.151488369
2	123	0.762	3.556	1.151488369	0	0.735531398	445.0080001	628.396	628.396	0.20684235	0.735531398	1	1	1.17795697	1.177956971
2	124	0	4.826	1.177956971	0	1.020484163	445.0080001	628.396	628.396	0.211455483	1.020484163	1	1	0.15747281	0.157472808
2	125	0	5.08	0.157472808	0	0.145761048	445.0080001	628.396	628.396	0.02869312	0.145761048	1	1	0.01171176	0.01171176
2	126	0	4.826	0.01171176	0	0.010301495	445.0080001	628.396	628.396	0.002134582	0.010301495	1	1	0.00141027	0.001410265
2	127	0	5.08	0.001410265	0	0.001305738	445.0080001	628.396	628.396	0.000257035	0.001305738	1	1	0.00010453	0.000104528
2	128	0	4.826	0.000104528	0	9.19411E-05	445.0080001	628.396	628.396	1.90512E-05	9.19411E-05	1	1	1.2586E-05	1.25865E-05
2	129	0	4.826	1.25865E-05	0	1.10709E-05	445.0080001	628.396	628.396	2.29401E-06	1.10709E-05	1	1	1.5156E-06	1.51558E-06
2	130	0	4.826	1.51558E-06	0	1.33308E-06	445.0080001	628.396	628.396	2.76229E-07	1.33308E-06	1	1	1.825E-07	1.82496E-07
2	131	0	4.572	1.82496E-07	0	1.52072E-07	445.0080001	628.396	628.396	3.32617E-08	1.52072E-07	1	1	3.0423E-08	3.04233E-08
2	132	0	4.318	3.04233E-08	0	2.39431E-08	445.0080001	628.396	628.396	5.54496E-09	2.39431E-08	1	1	6.4802E-09	6.48021E-09
2	133	0	4.826	6.48021E-09	0	5.6999E-09	445.0080001	628.396	628.396	1.18108E-09	5.6999E-09	1	1	7.803E-10	7.80302E-10
2	134	0	4.826	7.80302E-10	0	6.86343E-10	445.0080001	628.396	628.396	1.42218E-10	6.86343E-10	1	1	9.3959E-11	9.39587E-11
2	135	0	4.826	9.39587E-11	0	8.26448E-11	445.0080001	628.396	628.396	1.71249E-11	8.26448E-11	1	1	1.1314E-11	1.13138E-11
2	136	0	4.572	1.13138E-11	0	9.4278E-12	445.0080001	628.396	628.396	2.06207E-12	9.4278E-12	1	1	1.886E-12	1.88604E-12
2	137	0	4.826	1.88604E-12	0	1.65882E-12	445.0080001	628.396	628.396	3.43725E-13	1.65882E-12	1	1	2.2722E-13	2.2722E-13
2	138	0	5.08	2.2722E-13	0	2.10369E-13	445.0080001	628.396	628.396	4.14113E-14	2.10369E-13	1	1	1.685E-14	1.68501E-14
2	139	0	4.064	1.68501E-14	0	1.24079E-14	445.0080001	628.396	628.396	3.05311E-15	1.24079E-14	1	1	4.4422E-15	4.44222E-15
2	140	0	4.318	4.44222E-15	0	3.59546E-15	445.0080001	628.396	628.396	8.32667E-16	3.59546E-15	1	1	8.4676E-16	8.46758E-16

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
2	141	0	4.318	8.46758E-16	0	7.19091E-16	445.0080001	628.396	628.396	1.66533E-16	7.19091E-16	1	1	1.2767E-16	1.27667E-16
2	142	0	2.54	1.27667E-16	0	0	445.0080001	628.396	628.396	0	0	1	1	1.2767E-16	1.27667E-16
2	143	0	1.778	1.27667E-16	0	0	445.0080001	628.396	628.396	0	0	1	1	1.2767E-16	1.27667E-16
2	144	0	3.556	1.27667E-16	0	0	445.0080001	628.396	628.396	0	0	1	1	1.2767E-16	1.27667E-16
2	145	0	3.302	1.27667E-16	0	0	445.0080001	628.396	628.396	0	0	1	1	1.2767E-16	1.27667E-16
2	146	0	2.032	1.27667E-16	0	0	445.0080001	628.396	628.396	0	0	1	1	1.2767E-16	1.27667E-16
2	147	0	3.302	1.27667E-16	0	0	445.0080001	628.396	628.396	0	0	1	1	1.2767E-16	1.27667E-16
2	148	0	4.064	1.27667E-16	0	0	445.0080001	628.396	628.396	0	0	1	1	1.2767E-16	1.27667E-16
2	149	0	1.524	1.27667E-16	0	0	445.0080001	628.396	628.396	0	0	1	1	1.2767E-16	1.27667E-16
2	150	0	4.572	1.27667E-16	0	0	445.0080001	628.396	628.396	0	0	1	1	1.2767E-16	1.27667E-16
2	151	0	3.302	1.27667E-16	0	0	445.0080001	628.396	628.396	0	0	1	1	1.2767E-16	1.27667E-16
2	152	1.778	1.016	1.27667E-16	0	0	445.0080001	630.174	630.174	0	0	1	1	1.778	1.778
2	153	2.794	2.54	1.778	0	0.795456513	445.0080001	632.968	632.968	0.313171856	0.795456513	1	1	3.77654349	3.776543487
2	154	2.794	2.54	3.776543487	0	1.516118607	445.0080001	635.762	635.762	0.596897089	1.516118607	1	1	5.05442488	5.05442488
2	155	0	3.048	5.05442488	0	2.214292339	445.0080001	635.762	635.762	0.726473865	2.214292339	1	1	2.84013254	2.84013254
2	156	0	3.048	2.84013254	0	1.45047778	445.0080001	635.762	635.762	0.475878537	1.45047778	1	1	1.38965476	1.389654761
2	157	0	5.334	1.389654761	0	1.322821477	445.0080001	635.762	635.762	0.247998027	1.322821477	1	1	0.06683328	0.066833283
2	158	0	5.08	0.066833283	0	0.061876602	445.0080001	635.762	635.762	0.012180433	0.061876602	1	1	0.00495668	0.004956682
2	159	0	5.08	0.004956682	0	0.004589296	445.0080001	635.762	635.762	0.000903405	0.004589296	1	1	0.00036739	0.000367386
2	160	0	4.826	0.000367386	0	0.000323148	445.0080001	635.762	635.762	6.69598E-05	0.000323148	1	1	4.4238E-05	4.42381E-05
2	161	0	4.572	4.42381E-05	0	3.68633E-05	445.0080001	635.762	635.762	8.06283E-06	3.68633E-05	1	1	7.3748E-06	7.37481E-06
2	162	0	4.318	7.37481E-06	0	5.80396E-06	445.0080001	635.762	635.762	1.34413E-06	5.80396E-06	1	1	1.5708E-06	1.57084E-06
2	163	0	4.826	1.57084E-06	0	1.38169E-06	445.0080001	635.762	635.762	2.86302E-07	1.38169E-06	1	1	1.8915E-07	1.8915E-07
2	164	0	5.08	1.8915E-07	0	1.7513E-07	445.0080001	635.762	635.762	3.44745E-08	1.7513E-07	1	1	1.402E-08	1.40196E-08
2	165	0	5.334	1.40196E-08	0	1.36295E-08	445.0080001	635.762	635.762	2.55522E-09	1.36295E-08	1	1	3.901E-10	3.90097E-10
2	166	0	4.572	3.90097E-10	0	3.25065E-10	445.0080001	635.762	635.762	7.1099E-11	3.25065E-10	1	1	6.5032E-11	6.50319E-11
2	167	0	4.318	6.50319E-11	0	5.11799E-11	445.0080001	635.762	635.762	1.18527E-11	5.11799E-11	1	1	1.3852E-11	1.3852E-11
2	168	0	3.81	1.3852E-11	0	9.61891E-12	445.0080001	635.762	635.762	2.52465E-12	9.61891E-12	1	1	4.2331E-12	4.23308E-12
2	169	0	4.826	4.23308E-12	0	3.72323E-12	445.0080001	635.762	635.762	7.71494E-13	3.72323E-12	1	1	5.0985E-13	5.09845E-13
2	170	0	4.826	5.09845E-13	0	4.48459E-13	445.0080001	635.762	635.762	9.29257E-14	4.48459E-13	1	1	6.1386E-14	6.13858E-14
2	171	0	3.81	6.13858E-14	0	4.27225E-14	445.0080001	635.762	635.762	1.12133E-14	4.27225E-14	1	1	1.8663E-14	1.86633E-14
2	172	0	4.572	1.86633E-14	0	1.54816E-14	445.0080001	635.762	635.762	3.38618E-15	1.54816E-14	1	1	3.1817E-15	3.18171E-15
2	173	0	3.556	3.18171E-15	0	1.97398E-15	445.0080001	635.762	635.762	5.55112E-16	1.97398E-15	1	1	1.2077E-15	1.20773E-15
2	174	0	3.81	1.20773E-15	0	8.4599E-16	445.0080001	635.762	635.762	2.22045E-16	8.4599E-16	1	1	3.6174E-16	3.61739E-16
2	175	0	3.81	3.61739E-16	0	2.11497E-16	445.0080001	635.762	635.762	5.55112E-17	2.11497E-16	1	1	1.5024E-16	1.50242E-16
2	176	0	4.572	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	177	0	4.318	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	178	0	4.826	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	179	0	5.08	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	180	0	5.08	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	181	0	4.826	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	182	0	3.048	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	183	0	4.318	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	184	0	5.08	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	185	0	5.334	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	186	0	5.588	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	187	0	4.826	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	188	0	5.08	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
2	189	0	5.334	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	190	0	5.08	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	191	0	4.572	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	192	0	5.334	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	193	0	5.08	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	194	0	5.334	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	195	0	3.556	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	196	0	2.794	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	197	0	4.064	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	198	0	4.318	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	199	0	3.556	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	200	0	3.81	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	201	0	3.302	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	202	0	4.318	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	203	0	3.81	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	204	0	3.048	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	205	0	4.826	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	206	0	3.81	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	207	0	2.794	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	208	0	2.54	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	209	0	4.064	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	210	0	4.572	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	211	0	4.826	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	212	0	4.572	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	213	0	4.826	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	214	0	4.826	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	215	0	5.08	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	216	0	4.064	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	217	0	1.778	1.50242E-16	0	0	445.0080001	635.762	635.762	0	0	1	1	1.5024E-16	1.50242E-16
2	218	0.254	2.286	1.50242E-16	0	0	445.0080001	636.016	636.016	0	0	1	1	0.254	0.254
2	219	0	4.572	0.254	0	0.211505306	445.0080001	636.016	636.016	0.046261003	0.211505306	1	1	0.04249469	0.042494694
2	220	0	4.318	0.042494694	0	0.033442604	445.0080001	636.016	636.016	0.007744929	0.033442604	1	1	0.00905209	0.00905209
2	221	0	3.302	0.00905209	0	0.005447748	445.0080001	636.016	636.016	0.001649833	0.005447748	1	1	0.00360434	0.003604343
2	222	0	0.508	0.003604343	0	0.000333719	445.0080001	636.016	636.016	0.000656927	0.000333719	1	1	0.00327062	0.003270624
2	223	0	2.286	0.003270624	0	0.001362693	445.0080001	636.016	636.016	0.000596104	0.001362693	1	1	0.00190793	0.00190793
2	224	0	4.826	0.00190793	0	0.00167819	445.0080001	636.016	636.016	0.000347739	0.00167819	1	1	0.00022974	0.00022974
2	225	0	4.826	0.00022974	0	0.000202076	445.0080001	636.016	636.016	4.18724E-05	0.000202076	1	1	2.7664E-05	2.76637E-05
2	226	0	4.572	2.76637E-05	0	2.3052E-05	445.0080001	636.016	636.016	5.04199E-06	2.3052E-05	1	1	4.6117E-06	4.61174E-06
2	227	0	4.064	4.61174E-06	0	3.41594E-06	445.0080001	636.016	636.016	8.40535E-07	3.41594E-06	1	1	1.1958E-06	1.1958E-06
2	228	0	3.302	1.1958E-06	0	7.1966E-07	445.0080001	636.016	636.016	2.17947E-07	7.1966E-07	1	1	4.7614E-07	4.76141E-07
2	229	0	3.302	4.76141E-07	0	2.86552E-07	445.0080001	636.016	636.016	8.67815E-08	2.86552E-07	1	1	1.8959E-07	1.89589E-07
2	230	0	3.81	1.89589E-07	0	1.31652E-07	445.0080001	636.016	636.016	3.45544E-08	1.31652E-07	1	1	5.7936E-08	5.79363E-08
2	231	0	3.81	5.79363E-08	0	4.02316E-08	445.0080001	636.016	636.016	1.05595E-08	4.02316E-08	1	1	1.7705E-08	1.77047E-08
2	232	0	4.318	1.77047E-08	0	1.39336E-08	445.0080001	636.016	636.016	3.22686E-09	1.39336E-08	1	1	3.7711E-09	3.77112E-09
2	233	0	3.81	3.77112E-09	0	2.61871E-09	445.0080001	636.016	636.016	6.87325E-10	2.61871E-09	1	1	1.1524E-09	1.15241E-09
2	234	0	4.572	1.15241E-09	0	9.60299E-10	445.0080001	636.016	636.016	2.10039E-10	9.60299E-10	1	1	1.9212E-10	1.92116E-10
2	235	0	3.556	1.92116E-10	0	1.24514E-10	445.0080001	636.016	636.016	3.5015E-11	1.24514E-10	1	1	6.7602E-11	6.76022E-11
2	236	0	4.064	6.76022E-11	0	5.00734E-11	445.0080001	636.016	636.016	1.23212E-11	5.00734E-11	1	1	1.7529E-11	1.75289E-11

**Appendix E - Table 1  
 COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
 Proposed Target Development Site  
 Scotts Valley, California**

<b>Year</b>	<b>Day of Year</b>	<b>Daily Rainfall</b>	<b>Daily Reference ET</b>	<b>Daily Available Water</b>	<b>Daily Drainage</b>	<b>Daily ET</b>	<b>Cumulative Drainage</b>	<b>Cumulative Rainfall</b>	<b>Cum. Rainfall + Irrigation</b>	<b>ET Soil K Factor</b>	<b>ET demand</b>	<b>Crop Coefficient For Day</b>	<b>Crop Coefficient Temp</b>	<b>AW1</b>	<b>AW2</b>
2	237	0	4.064	1.75289E-11	0	1.29838E-11	445.0080001	636.016	636.016	3.19483E-12	1.29838E-11	1	1	4.5451E-12	4.54508E-12
2	238	0	2.032	4.54508E-12	0	1.68329E-12	445.0080001	636.016	636.016	8.28393E-13	1.68329E-12	1	1	2.8618E-12	2.86179E-12
2	239	0	2.286	2.86179E-12	0	1.19234E-12	445.0080001	636.016	636.016	5.21583E-13	1.19234E-12	1	1	1.6695E-12	1.66945E-12
2	240	0	3.556	1.66945E-12	0	1.08194E-12	445.0080001	636.016	636.016	3.04257E-13	1.08194E-12	1	1	5.8752E-13	5.87515E-13
2	241	0	2.54	5.87515E-13	0	2.71986E-13	445.0080001	636.016	636.016	1.07081E-13	2.71986E-13	1	1	3.1553E-13	3.1553E-13
2	242	0	4.572	3.1553E-13	0	2.62934E-13	445.0080001	636.016	636.016	5.75096E-14	2.62934E-13	1	1	5.2596E-14	5.25959E-14
2	243	0	4.572	5.25959E-14	0	4.39069E-14	445.0080001	636.016	636.016	9.60343E-15	4.39069E-14	1	1	8.689E-15	8.689E-15
2	244	0	3.81	8.689E-15	0	6.13343E-15	445.0080001	636.016	636.016	1.60982E-15	6.13343E-15	1	1	2.5556E-15	2.55558E-15
2	245	0	3.048	2.55558E-15	0	1.35358E-15	445.0080001	636.016	636.016	4.44089E-16	1.35358E-15	1	1	1.202E-15	1.20199E-15
2	246	0	2.54	1.20199E-15	0	5.63993E-16	445.0080001	636.016	636.016	2.22045E-16	5.63993E-16	1	1	6.38E-16	6.38E-16
2	247	0	3.048	6.38E-16	0	3.38396E-16	445.0080001	636.016	636.016	1.11022E-16	3.38396E-16	1	1	2.996E-16	2.99604E-16
2	248	0	3.81	2.99604E-16	0	2.11497E-16	445.0080001	636.016	636.016	5.55112E-17	2.11497E-16	1	1	8.8106E-17	8.81062E-17
2	249	0	3.048	8.81062E-17	0	0	445.0080001	636.016	636.016	0	0	1	1	8.8106E-17	8.81062E-17
2	250	0	2.032	8.81062E-17	0	0	445.0080001	636.016	636.016	0	0	1	1	8.8106E-17	8.81062E-17
2	251	2.286	2.286	8.81062E-17	0	0	445.0080001	638.302	638.302	0	0	1	1	2.286	2.286
2	252	1.016	2.286	2.286	0	0.900915943	445.0080001	639.318	639.318	0.394101462	0.900915943	1	1	2.40108406	2.401084057
2	253	0	2.794	2.401084057	0	1.150209011	445.0080001	639.318	639.318	0.411671085	1.150209011	1	1	1.25087505	1.250875046
2	254	0	1.778	1.250875046	0	0.398476413	445.0080001	639.318	639.318	0.224114968	0.398476413	1	1	0.85239863	0.852398633
2	255	0	2.54	0.852398633	0	0.391465381	445.0080001	639.318	639.318	0.154120229	0.391465381	1	1	0.46093325	0.460933251
2	256	0	2.794	0.460933251	0	0.234172476	445.0080001	639.318	639.318	0.083812625	0.234172476	1	1	0.22676078	0.226760776
2	257	0	2.286	0.226760776	0	0.094425307	445.0080001	639.318	639.318	0.041305909	0.094425307	1	1	0.13233547	0.132335469
2	258	0	2.286	0.132335469	0	0.055126409	445.0080001	639.318	639.318	0.02411479	0.055126409	1	1	0.07720906	0.077209059
2	259	0	2.286	0.077209059	0	0.032166755	445.0080001	639.318	639.318	0.014071196	0.032166755	1	1	0.0450423	0.045042305
2	260	0	0.762	0.045042305	0	0.006255431	445.0080001	639.318	639.318	0.008209227	0.006255431	1	1	0.03878687	0.038786874
2	261	0	0.762	0.038786874	0	0.005386714	445.0080001	639.318	639.318	0.007069179	0.005386714	1	1	0.03340016	0.033400159
2	262	0	0.254	0.033400159	0	0.001546209	445.0080001	639.318	639.318	0.006087439	0.001546209	1	1	0.03185395	0.03185395
2	263	0	3.302	0.03185395	0	0.019170212	445.0080001	639.318	639.318	0.005805636	0.019170212	1	1	0.01268374	0.012683738
2	264	0	3.048	0.012683738	0	0.007046166	445.0080001	639.318	639.318	0.002311734	0.007046166	1	1	0.00563757	0.005637572
2	265	0	1.778	0.005637572	0	0.001826902	445.0080001	639.318	639.318	0.001027504	0.001826902	1	1	0.00381067	0.003810671
2	266	0	2.286	0.003810671	0	0.001587702	445.0080001	639.318	639.318	0.000694533	0.001587702	1	1	0.00222297	0.002222969
2	267	0	1.778	0.002222969	0	0.000720371	445.0080001	639.318	639.318	0.000405158	0.000720371	1	1	0.0015026	0.001502597
2	268	0	3.048	0.001502597	0	0.000834736	445.0080001	639.318	639.318	0.000273863	0.000834736	1	1	0.00066786	0.000667862
2	269	0	3.556	0.000667862	0	0.000432852	445.0080001	639.318	639.318	0.000121724	0.000432852	1	1	0.00023501	0.000235009
2	270	0	4.064	0.000235009	0	0.000174073	445.0080001	639.318	639.318	4.28328E-05	0.000174073	1	1	6.0937E-05	6.09368E-05
2	271	0	3.302	6.09368E-05	0	3.66732E-05	445.0080001	639.318	639.318	1.11063E-05	3.66732E-05	1	1	2.4264E-05	2.42637E-05
2	272	0	3.302	2.42637E-05	0	1.46024E-05	445.0080001	639.318	639.318	4.4223E-06	1.46024E-05	1	1	9.6612E-06	9.66124E-06
2	273	0	3.048	9.66124E-06	0	5.3671E-06	445.0080001	639.318	639.318	1.76086E-06	5.3671E-06	1	1	4.2941E-06	4.29415E-06
2	274	0	2.794	4.29415E-06	0	2.18673E-06	445.0080001	639.318	639.318	7.82651E-07	2.18673E-06	1	1	2.1074E-06	2.10742E-06
2	275	0	2.286	2.10742E-06	0	8.78048E-07	445.0080001	639.318	639.318	3.84098E-07	8.78048E-07	1	1	1.2294E-06	1.22937E-06
2	276	0	2.286	1.22937E-06	0	5.12213E-07	445.0080001	639.318	639.318	2.24065E-07	5.12213E-07	1	1	7.1716E-07	7.17158E-07
2	277	0	3.048	7.17158E-07	0	3.98402E-07	445.0080001	639.318	639.318	1.30709E-07	3.98402E-07	1	1	3.1876E-07	3.18756E-07
2	278	0	3.048	3.18756E-07	0	1.77078E-07	445.0080001	639.318	639.318	5.80965E-08	1.77078E-07	1	1	1.4168E-07	1.41678E-07
2	279	0.508	2.54	1.41678E-07	0	6.55885E-08	445.0080001	639.826	639.826	2.58222E-08	6.55885E-08	1	1	0.50800008	0.508000076
2	280	0	3.048	0.508000076	0	0.281404887	445.0080001	639.826	639.826	0.092324438	0.281404887	1	1	0.22659519	0.226595189
2	281	0	3.81	0.226595189	0	0.157260723	445.0080001	639.826	639.826	0.04127578	0.157260723	1	1	0.06933447	0.069334466
2	282	0	3.81	0.069334466	0	0.048144032	445.0080001	639.826	639.826	0.012636229	0.048144032	1	1	0.02119043	0.021190434
2	283	0	4.064	0.021190434	0	0.015695777	445.0080001	639.826	639.826	0.00386215	0.015695777	1	1	0.00549466	0.005494657
2	284	0	2.794	0.005494657	0	0.002798068	445.0080001	639.826	639.826	0.001001456	0.002798068	1	1	0.00269659	0.002696589

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
2	285	0	2.54	0.002696589	0	0.00124836	445.0080001	639.826	639.826	0.00049148	0.00124836	1	1	0.00144823	0.001448229
2	286	0	2.286	0.001448229	0	0.000603399	445.0080001	639.826	639.826	0.000263954	0.000603399	1	1	0.00084483	0.00084483
2	287	0	2.286	0.00084483	0	0.000351995	445.0080001	639.826	639.826	0.000153979	0.000351995	1	1	0.00049283	0.000492834
2	288	0	2.286	0.000492834	0	0.000205338	445.0080001	639.826	639.826	8.9824E-05	0.000205338	1	1	0.0002875	0.000287497
2	289	0	2.54	0.000287497	0	0.000133094	445.0080001	639.826	639.826	5.23992E-05	0.000133094	1	1	0.0001544	0.000154403
2	290	0	2.286	0.000154403	0	6.43314E-05	445.0080001	639.826	639.826	2.81415E-05	6.43314E-05	1	1	9.0071E-05	9.00715E-05
2	291	0	2.54	9.00715E-05	0	4.16977E-05	445.0080001	639.826	639.826	1.64164E-05	4.16977E-05	1	1	4.8374E-05	4.83737E-05
2	292	0	2.54	4.83737E-05	0	2.23942E-05	445.0080001	639.826	639.826	8.8166E-06	2.23942E-05	1	1	2.598E-05	2.59796E-05
2	293	0	2.794	2.59796E-05	0	1.32297E-05	445.0080001	639.826	639.826	4.73504E-06	1.32297E-05	1	1	1.275E-05	1.27499E-05
2	294	0	2.794	1.27499E-05	0	6.49268E-06	445.0080001	639.826	639.826	2.32379E-06	6.49268E-06	1	1	6.2572E-06	6.2572E-06
2	295	0	1.778	6.2572E-06	0	2.0277E-06	445.0080001	639.826	639.826	1.14044E-06	2.0277E-06	1	1	4.2295E-06	4.2295E-06
2	296	0	1.524	4.2295E-06	0	1.1748E-06	445.0080001	639.826	639.826	7.70869E-07	1.1748E-06	1	1	3.0547E-06	3.0547E-06
2	297	0	2.032	3.0547E-06	0	1.13131E-06	445.0080001	639.826	639.826	5.56749E-07	1.13131E-06	1	1	1.9234E-06	1.92338E-06
2	298	0	2.032	1.92338E-06	0	7.1233E-07	445.0080001	639.826	639.826	3.50556E-07	7.1233E-07	1	1	1.2111E-06	1.21105E-06
2	299	0	2.032	1.21105E-06	0	4.48517E-07	445.0080001	639.826	639.826	2.20727E-07	4.48517E-07	1	1	7.6254E-07	7.62537E-07
2	300	1.016	1.524	7.62537E-07	0	2.11806E-07	445.0080001	640.842	640.842	1.3898E-07	2.11806E-07	1	1	1.01600055	1.016000551
2	301	7.112	1.778	1.016000551	0	0.325531065	445.0080001	647.954	647.954	0.183088338	0.325531065	1	1	7.80246949	7.802469486
2	302	0	2.286	7.802469486	0	2.034612423	445.0080001	647.954	647.954	0.890031681	2.034612423	1	1	5.76785706	5.767857063
2	303	0	3.048	5.767857063	0	2.384425304	445.0080001	647.954	647.954	0.782291767	2.384425304	1	1	3.38343176	3.383431758
2	304	0	2.794	3.383431758	0	1.533350805	445.0080001	647.954	647.954	0.54880129	1.533350805	1	1	1.85008095	1.850080953
2	305	0	2.794	1.850080953	0	0.907970724	445.0080001	647.954	647.954	0.324971626	0.907970724	1	1	0.94211023	0.942110229
2	306	0	1.524	0.942110229	0	0.259142705	445.0080001	647.954	647.954	0.170041145	0.259142705	1	1	0.68296752	0.682967524
2	307	0	1.524	0.682967524	0	0.188730214	445.0080001	647.954	647.954	0.123838723	0.188730214	1	1	0.49423731	0.49423731
2	308	0	1.778	0.49423731	0	0.159729913	445.0080001	647.954	647.954	0.089836846	0.159729913	1	1	0.3345074	0.334507398
2	309	0	0.254	0.334507398	0	0.015466543	445.0080001	647.954	647.954	0.0608919	0.015466543	1	1	0.31904086	0.319040855
2	310	0	1.524	0.319040855	0	0.088518408	445.0080001	647.954	647.954	0.058082945	0.088518408	1	1	0.23052245	0.230522447
2	311	26.924	0.254	0.230522447	0	0.010665542	445.0080001	674.878	674.878	0.041990322	0.010665542	1	1	27.1438569	27.14385691
2	312	3.048	1.27	27.14385691	0	1.269871857	445.0080001	677.926	677.926	0.9998991	1.269871857	1	1	28.921985	28.92198505
2	313	0	1.27	28.92198505	0	1.269932979	445.0080001	677.926	677.926	0.999947228	1.269932979	1	1	27.6520521	27.65205207
2	314	0	1.27	27.65205207	0	1.269893526	445.0080001	677.926	677.926	0.999916162	1.269893526	1	1	26.3821585	26.38215854
2	315	0	1.524	26.38215854	0	1.523797021	445.0080001	677.926	677.926	0.999866811	1.523797021	1	1	24.8583615	24.85836152
2	316	0	1.524	24.85836152	0	1.523646279	445.0080001	677.926	677.926	0.999767899	1.523646279	1	1	23.3347152	23.33471524
2	317	0	1.27	23.33471524	0	1.269486371	445.0080001	677.926	677.926	0.999595568	1.269486371	1	1	22.0652289	22.06522887
2	318	0.762	0	22.06522887	0	0	445.0080001	678.688	678.688	0.99935766	0	1	1	22.8272289	22.82722887
2	319	0.508	1.524	22.82722887	0	1.523258429	445.0080001	679.196	679.196	0.999513405	1.523258429	1	1	21.8119704	21.81197044
2	320	8.382	0.254	21.81197044	0	0.253821072	445.0080001	687.578	687.578	0.999295559	0.253821072	1	1	29.9401494	29.94014937
2	321	3.048	1.27	29.94014937	0	1.269953759	445.0080001	690.626	690.626	0.99996359	1.269953759	1	1	31.7181956	31.71819561
2	322	0	1.27	31.71819561	0	1.269975815	445.0080001	690.626	690.626	0.999980956	1.269975815	1	1	30.4482198	30.4482198
2	323	38.1	0	30.4482198	0	0	445.0080001	728.726	728.726	0.999969745	0	1	1	68.5482198	68.5482198
2	324	0.254	0.254	68.5482198	0	0.254	445.0080001	728.98	728.98	1	0.254	1	1	68.5482198	68.5482198
2	325	0.254	1.27	68.5482198	0	1.27	445.0080001	729.234	729.234	1	1.27	1	1	67.5322198	67.5322198
2	326	0	1.524	67.5322198	0	1.524	445.0080001	729.234	729.234	1	1.524	1	1	66.0082198	66.0082198
2	327	0	1.27	66.0082198	0	1.27	445.0080001	729.234	729.234	1	1.27	1	1	64.7382198	64.7382198
2	328	0	1.27	64.7382198	0	1.27	445.0080001	729.234	729.234	1	1.27	1	1	63.4682198	63.4682198
2	329	0	1.524	63.4682198	0	1.524	445.0080001	729.234	729.234	1	1.524	1	1	61.9442198	61.9442198
2	330	0	1.016	61.9442198	0	1.016	445.0080001	729.234	729.234	1	1.016	1	1	60.9282198	60.9282198
2	331	0	0.762	60.9282198	0	0.762	445.0080001	729.234	729.234	1	0.762	1	1	60.1662198	60.1662198
2	332	0	0	60.1662198	0	0	445.0080001	729.234	729.234	0.999999999	0	1	1	60.1662198	60.1662198

**Appendix E - Table 1  
COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
Proposed Target Development Site  
Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
2	333	5.588	0.508	60.1662198	0	0.508	445.0080001	734.822	734.822	0.999999999	0.508	1	1	65.2462198	65.2462198
2	334	7.62	0.762	65.2462198	0	0.762	445.0080001	742.442	742.442	1	0.762	1	1	72.1042198	72.1042198
2	335	0	1.27	72.1042198	0	1.27	445.0080001	742.442	742.442	1	1.27	1	1	70.8342198	70.8342198
2	336	0.254	0.508	70.8342198	0	0.508	445.0080001	742.696	742.696	1	0.508	1	1	70.5802198	70.5802198
2	337	0	1.778	70.5802198	0	1.778	445.0080001	742.696	742.696	1	1.778	1	1	68.8022198	68.8022198
2	338	0	1.778	68.8022198	0	1.778	445.0080001	742.696	742.696	1	1.778	1	1	67.0242198	67.0242198
2	339	0	1.524	67.0242198	0	1.524	445.0080001	742.696	742.696	1	1.524	1	1	65.5002198	65.5002198
2	340	0	1.016	65.5002198	0	1.016	445.0080001	742.696	742.696	1	1.016	1	1	64.4842198	64.4842198
2	341	0	1.016	64.4842198	0	1.016	445.0080001	742.696	742.696	1	1.016	1	1	63.4682198	63.4682198
2	342	0	1.27	63.4682198	0	1.27	445.0080001	742.696	742.696	1	1.27	1	1	62.1982198	62.1982198
2	343	11.938	0.254	62.1982198	0	0.254	445.0080001	754.634	754.634	1	0.254	1	1	73.8822198	73.8822198
2	344	0.254	1.27	73.8822198	0	1.27	445.0080001	754.888	754.888	1	1.27	1	1	72.8662198	72.8662198
2	345	0	1.27	72.8662198	0	1.27	445.0080001	754.888	754.888	1	1.27	1	1	71.5962198	71.5962198
2	346	0	1.016	71.5962198	0	1.016	445.0080001	754.888	754.888	1	1.016	1	1	70.5802198	70.5802198
2	347	0.508	1.27	70.5802198	0	1.27	445.0080001	755.396	755.396	1	1.27	1	1	69.8182198	69.8182198
2	348	0	1.778	69.8182198	0	1.778	445.0080001	755.396	755.396	1	1.778	1	1	68.0402198	68.0402198
2	349	0	1.524	68.0402198	0	1.524	445.0080001	755.396	755.396	1	1.524	1	1	66.5162198	66.5162198
2	350	0	1.524	66.5162198	0	1.524	445.0080001	755.396	755.396	1	1.524	1	1	64.9922198	64.9922198
2	351	0	1.524	64.9922198	0	1.524	445.0080001	755.396	755.396	1	1.524	1	1	63.4682198	63.4682198
2	352	0	1.27	63.4682198	0	1.27	445.0080001	755.396	755.396	1	1.27	1	1	62.1982198	62.1982198
2	353	0	1.524	62.1982198	0	1.524	445.0080001	755.396	755.396	1	1.524	1	1	60.6742198	60.6742198
2	354	0	2.032	60.6742198	0	2.031999999	445.0080001	755.396	755.396	1	2.031999999	1	1	58.6422198	58.6422198
2	355	0	0	58.6422198	0	0	445.0080001	755.396	755.396	0.999999999	0	1	1	58.6422198	58.6422198
2	356	0	1.778	58.6422198	0	1.777999998	445.0080001	755.396	755.396	0.999999999	1.777999998	1	1	56.8642198	56.8642198
2	357	0	1.778	56.8642198	0	1.777999996	445.0080001	755.396	755.396	0.999999998	1.777999996	1	1	55.0862198	55.08621981
2	358	0	1.524	55.08621981	0	1.523999994	445.0080001	755.396	755.396	0.999999996	1.523999994	1	1	53.5622198	53.56221981
2	359	0	1.524	53.56221981	0	1.523999999	445.0080001	755.396	755.396	0.999999993	1.523999999	1	1	52.0382198	52.03821982
2	360	0	1.778	52.03821982	0	1.777999979	445.0080001	755.396	755.396	0.999999988	1.777999979	1	1	50.2602198	50.26021984
2	361	0	1.778	50.26021984	0	1.777999961	445.0080001	755.396	755.396	0.999999978	1.777999961	1	1	48.4822199	48.48221988
2	362	0	2.032	48.48221988	0	2.031999914	445.0080001	755.396	755.396	0.999999958	2.031999914	1	1	46.45022	46.45021997
2	363	0	1.524	46.45021997	0	1.523999865	445.0080001	755.396	755.396	0.999999911	1.523999865	1	1	44.9262201	44.9262201
2	364	0	1.016	44.9262201	0	1.015999843	445.0080001	755.396	755.396	0.999999846	1.015999843	1	1	43.9102203	43.91022026
2	365	0	0.508	43.91022026	0	0.507999886	445.0080001	755.396	755.396	0.999999776	0.507999886	1	1	43.4022204	43.40222038
3	1	0	0.254	82.3	0	0.254	0	0	0	1	0.254	1	1	82.046	82.046
3	2	0	1.27	82.046	0	1.27	0	0	0	1	1.27	1	1	80.776	80.776
3	3	0	1.27	80.776	0	1.27	0	0	0	1	1.27	1	1	79.506	79.506
3	4	0	0.762	79.506	0	0.762	0	0	0	1	0.762	1	1	78.744	78.744
3	5	0	1.778	78.744	0	1.778	0	0	0	1	1.778	1	1	76.966	76.966
3	6	0	1.524	76.966	0	1.524	0	0	0	1	1.524	1	1	75.442	75.442
3	7	0	1.524	75.442	0	1.524	0	0	0	1	1.524	1	1	73.918	73.918
3	8	0	1.016	73.918	0	1.016	0	0	0	1	1.016	1	1	72.902	72.902
3	9	0	0.508	72.902	0	0.508	0	0	0	1	0.508	1	1	72.394	72.394
3	10	0	0.254	72.394	0	0.254	0	0	0	1	0.254	1	1	72.14	72.14
3	11	25.4	0	72.14	15.24	0	15.24	25.4	25.4	1	0	1	1	97.54	82.3
3	12	0	0.508	82.3	0	0.508	15.24	25.4	25.4	1	0.508	1	1	81.792	81.792
3	13	0.254	0.762	81.792	0	0.762	15.24	25.654	25.654	1	0.762	1	1	81.284	81.284
3	14	0.254	0.508	81.284	0	0.508	15.24	25.908	25.908	1	0.508	1	1	81.03	81.03
3	15	0.508	0.508	81.03	0	0.508	15.24	26.416	26.416	1	0.508	1	1	81.03	81.03



**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
3	16	13.97	1.016	81.03	11.684	1.016	26.924	40.386	40.386	1	1.016	1	1	93.984	82.3
3	17	7.874	0	82.3	7.874	0	34.798	48.26	48.26	1	0	1	1	90.174	82.3
3	18	31.75	0.254	82.3	31.496	0.254	66.294	80.01	80.01	1	0.254	1	1	113.796	82.3
3	19	10.414	0	82.3	10.414	0	76.708	90.424	90.424	1	0	1	1	92.714	82.3
3	20	0.254	0.762	82.3	0	0.762	76.708	90.678	90.678	1	0.762	1	1	81.792	81.792
3	21	1.524	1.27	81.792	0	1.27	76.708	92.202	92.202	1	1.27	1	1	82.046	82.046
3	22	3.048	1.27	82.046	1.524	1.27	78.232	95.25	95.25	1	1.27	1	1	83.824	82.3
3	23	97.282	0	82.3	97.282	0	175.514	192.532	192.532	1	0	1	1	179.582	82.3
3	24	79.248	0	82.3	79.248	0	254.762	271.78	271.78	1	0	1	1	161.548	82.3
3	25	4.318	1.016	82.3	3.302	1.016	258.064	276.098	276.098	1	1.016	1	1	85.602	82.3
3	26	0	1.27	82.3	0	1.27	258.064	276.098	276.098	1	1.27	1	1	81.03	81.03
3	27	0	1.524	81.03	0	1.524	258.064	276.098	276.098	1	1.524	1	1	79.506	79.506
3	28	0	1.016	79.506	0	1.016	258.064	276.098	276.098	1	1.016	1	1	78.49	78.49
3	29	0	1.016	78.49	0	1.016	258.064	276.098	276.098	1	1.016	1	1	77.474	77.474
3	30	13.716	0	77.474	8.89	0	266.954	289.814	289.814	1	0	1	1	91.19	82.3
3	31	0.254	0.508	82.3	0	0.508	266.954	290.068	290.068	1	0.508	1	1	82.046	82.046
3	32	0	2.032	82.046	0	2.032	266.954	290.068	290.068	1	2.032	1	1	80.014	80.014
3	33	0	2.54	80.014	0	2.54	266.954	290.068	290.068	1	2.54	1	1	77.474	77.474
3	34	15.748	0.508	77.474	10.414	0.508	277.368	305.816	305.816	1	0.508	1	1	92.714	82.3
3	35	0.254	1.27	82.3	0	1.27	277.368	306.07	306.07	1	1.27	1	1	81.284	81.284
3	36	3.556	0.254	81.284	2.286	0.254	279.654	309.626	309.626	1	0.254	1	1	84.586	82.3
3	37	0	2.286	82.3	0	2.286	279.654	309.626	309.626	1	2.286	1	1	80.014	80.014
3	38	0	1.524	80.014	0	1.524	279.654	309.626	309.626	1	1.524	1	1	78.49	78.49
3	39	0	2.032	78.49	0	2.032	279.654	309.626	309.626	1	2.032	1	1	76.458	76.458
3	40	2.794	0.254	76.458	0	0.254	279.654	312.42	312.42	1	0.254	1	1	78.998	78.998
3	41	9.906	0.254	78.998	6.35	0.254	286.004	322.326	322.326	1	0.254	1	1	88.65	82.3
3	42	6.35	0.254	82.3	6.096	0.254	292.1	328.676	328.676	1	0.254	1	1	88.396	82.3
3	43	10.16	0.508	82.3	9.652	0.508	301.752	338.836	338.836	1	0.508	1	1	91.952	82.3
3	44	122.682	0	82.3	122.682	0	424.434	461.518	461.518	1	0	1	1	204.982	82.3
3	45	5.842	2.032	82.3	3.81	2.032	428.244	467.36	467.36	1	2.032	1	1	86.11	82.3
3	46	0	1.524	82.3	0	1.524	428.244	467.36	467.36	1	1.524	1	1	80.776	80.776
3	47	0	0.254	80.776	0	0.254	428.244	467.36	467.36	1	0.254	1	1	80.522	80.522
3	48	0	0.762	80.522	0	0.762	428.244	467.36	467.36	1	0.762	1	1	79.76	79.76
3	49	0.254	1.27	79.76	0	1.27	428.244	467.614	467.614	1	1.27	1	1	78.744	78.744
3	50	0	1.016	78.744	0	1.016	428.244	467.614	467.614	1	1.016	1	1	77.728	77.728
3	51	24.638	0.254	77.728	19.812	0.254	448.056	492.252	492.252	1	0.254	1	1	102.112	82.3
3	52	2.286	1.016	82.3	1.27	1.016	449.326	494.538	494.538	1	1.016	1	1	83.57	82.3
3	53	0	0	82.3	0	0	449.326	494.538	494.538	1	0	1	1	82.3	82.3
3	54	33.02	0	82.3	33.02	0	482.346	527.558	527.558	1	0	1	1	115.32	82.3
3	55	0.508	0	82.3	0.508	0	482.854	528.066	528.066	1	0	1	1	82.808	82.3
3	56	1.524	0	82.3	1.524	0	484.378	529.59	529.59	1	0	1	1	83.824	82.3
3	57	0	0	82.3	0	0	484.378	529.59	529.59	1	0	1	1	82.3	82.3
3	58	22.86	0	82.3	22.86	0	507.238	552.45	552.45	1	0	1	1	105.16	82.3
3	59	1.27	0	82.3	1.27	0	508.508	553.72	553.72	1	0	1	1	83.57	82.3
3	60	2.286	0	82.3	2.286	0	510.794	556.006	556.006	1	0	1	1	84.586	82.3
3	61	5.08	2.54	82.3	2.54	2.54	513.334	561.086	561.086	1	2.54	1	1	84.84	82.3
3	62	2.032	1.27	82.3	0.762	1.27	514.096	563.118	563.118	1	1.27	1	1	83.062	82.3
3	63	0	2.794	82.3	0	2.794	514.096	563.118	563.118	1	2.794	1	1	79.506	79.506

**Appendix E - Table 1  
 COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
 Proposed Target Development Site  
 Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
3	64	22.86	1.016	79.506	19.05	1.016	533.146	585.978	585.978	1	1.016	1	1	101.35	82.3
3	65	4.318	1.27	82.3	3.048	1.27	536.194	590.296	590.296	1	1.27	1	1	85.348	82.3
3	66	0	2.54	82.3	0	2.54	536.194	590.296	590.296	1	2.54	1	1	79.76	79.76
3	67	14.478	0.762	79.76	11.176	0.762	547.37	604.774	604.774	1	0.762	1	1	93.476	82.3
3	68	8.89	0.508	82.3	8.382	0.508	555.752	613.664	613.664	1	0.508	1	1	90.682	82.3
3	69	5.588	1.27	82.3	4.318	1.27	560.07	619.252	619.252	1	1.27	1	1	86.618	82.3
3	70	0	3.302	82.3	0	3.302	560.07	619.252	619.252	1	3.302	1	1	78.998	78.998
3	71	0	3.302	78.998	0	3.302	560.07	619.252	619.252	1	3.302	1	1	75.696	75.696
3	72	0	3.302	75.696	0	3.302	560.07	619.252	619.252	1	3.302	1	1	72.394	72.394
3	73	0	3.302	72.394	0	3.302	560.07	619.252	619.252	1	3.302	1	1	69.092	69.092
3	74	0	3.048	69.092	0	3.048	560.07	619.252	619.252	1	3.048	1	1	66.044	66.044
3	75	0	3.556	66.044	0	3.556	560.07	619.252	619.252	1	3.556	1	1	62.488	62.488
3	76	0	4.064	62.488	0	4.063999999	560.07	619.252	619.252	1	4.063999999	1	1	58.424	58.424
3	77	0	4.572	58.424	0	4.571999995	560.07	619.252	619.252	0.999999999	4.571999995	1	1	53.852	53.85200001
3	78	0	3.81	53.85200001	0	3.809999977	560.07	619.252	619.252	0.999999994	3.809999977	1	1	50.042	50.04200003
3	79	0	3.81	50.04200003	0	3.809999909	560.07	619.252	619.252	0.999999976	3.809999909	1	1	46.2320001	46.23200012
3	80	0	4.826	46.23200012	0	4.825999537	560.07	619.252	619.252	0.999999904	4.825999537	1	1	41.4060006	41.40600058
3	81	0	4.572	41.40600058	0	4.571997452	560.07	619.252	619.252	0.999999443	4.571997452	1	1	36.8340031	36.83400313
3	82	0	3.81	36.83400313	0	3.809988759	560.07	619.252	619.252	0.99999705	3.809988759	1	1	33.0240144	33.02401437
3	83	0	2.286	33.02401437	0	2.285972954	560.07	619.252	619.252	0.999988169	2.285972954	1	1	30.7380414	30.73804142
3	84	0	3.302	30.73804142	0	3.301910114	560.07	619.252	619.252	0.999972778	3.301910114	1	1	27.4361313	27.4361313
3	85	0	3.556	27.4361313	0	3.555677459	560.07	619.252	619.252	0.999909297	3.555677459	1	1	23.8804538	23.88045384
3	86	0	3.81	23.88045384	0	3.808737036	560.07	619.252	619.252	0.999668513	3.808737036	1	1	20.0717168	20.07171681
3	87	0	2.286	20.07171681	0	2.282964128	560.07	619.252	619.252	0.998671972	2.282964128	1	1	17.7887527	17.78875268
3	88	0	3.81	17.78875268	0	3.798380919	560.07	619.252	619.252	0.996950372	3.798380919	1	1	13.9903718	13.99037176
3	89	0	3.556	13.99037176	0	3.512892881	560.07	619.252	619.252	0.987877638	3.512892881	1	1	10.4774789	10.47747888
3	90	0	4.064	10.47747888	0	3.889467296	560.07	619.252	619.252	0.957053961	3.889467296	1	1	6.58801159	6.588011585
3	91	0	6.35	6.588011585	0	5.295122042	560.07	619.252	619.252	0.833877487	5.295122042	1	1	1.29288954	1.292889543
3	92	0	5.08	1.292889543	0	1.17538657	560.07	619.252	619.252	0.231375309	1.17538657	1	1	0.11750297	0.117502973
3	93	0	4.826	0.117502973	0	0.103338275	560.07	619.252	619.252	0.021412821	0.103338275	1	1	0.0141647	0.014164698
3	94	0.254	2.286	0.014164698	0	0.005901658	560.07	619.506	619.506	0.002581652	0.005901658	1	1	0.26226304	0.262263041
3	95	0	3.556	0.262263041	0	0.169847703	560.07	619.506	619.506	0.047763696	0.169847703	1	1	0.09241534	0.092415337
3	96	0	3.048	0.092415337	0	0.051334504	560.07	619.506	619.506	0.016842029	0.051334504	1	1	0.04108083	0.041080833
3	97	0	3.302	0.041080833	0	0.024722912	560.07	619.506	619.506	0.007487254	0.024722912	1	1	0.01635792	0.016357921
3	98	0	3.302	0.016357921	0	0.009844538	560.07	619.506	619.506	0.002981386	0.009844538	1	1	0.00651338	0.006513384
3	99	0	3.302	0.006513384	0	0.0039199	560.07	619.506	619.506	0.001187129	0.0039199	1	1	0.00259348	0.002593484
3	100	0	3.81	0.002593484	0	0.001800943	560.07	619.506	619.506	0.000472688	0.001800943	1	1	0.00079254	0.000792541
3	101	0	3.81	0.000792541	0	0.000550349	560.07	619.506	619.506	0.000144449	0.000550349	1	1	0.00024219	0.000242192
3	102	0	4.318	0.000242192	0	0.000190605	560.07	619.506	619.506	4.41419E-05	0.000190605	1	1	5.1587E-05	5.15872E-05
3	103	5.842	3.556	5.15872E-05	0	3.34345E-05	560.07	625.348	625.348	9.40229E-06	3.34345E-05	1	1	5.84201815	5.842018153
3	104	1.778	1.27	5.842018153	0	1.00010123	560.07	627.126	627.126	0.787481283	1.00010123	1	1	6.61991692	6.619916923
3	105	3.302	3.556	6.619916923	0	2.971537508	560.07	630.428	630.428	0.835640469	2.971537508	1	1	6.95037942	6.950379415
3	106	0.254	2.794	6.950379415	0	2.383062762	560.07	630.682	630.682	0.852921532	2.383062762	1	1	4.82131665	4.821316653
3	107	21.844	0.254	4.821316653	0	0.179269178	560.07	652.526	652.526	0.705784167	0.179269178	1	1	26.4860475	26.48604747
3	108	9.906	3.556	26.48604747	0	3.555543981	560.07	662.432	662.432	0.999871761	3.555543981	1	1	32.8365035	32.83650349
3	109	0	3.81	32.83650349	0	3.809951735	560.07	662.432	662.432	0.999987332	3.809951735	1	1	29.0265518	29.02655176
3	110	0	4.318	29.02655176	0	4.317780651	560.07	662.432	662.432	0.999949201	4.317780651	1	1	24.7087711	24.70877111
3	111	0	4.572	24.70877111	0	4.570879373	560.07	662.432	662.432	0.999754894	4.570879373	1	1	20.1378917	20.13789174

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 Proposed Target Development Site  
 Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
3	112	0	4.572	20.13789174	0	4.566072874	560.07	662.432	662.432	0.998703603	4.566072874	1	1	15.5718189	15.57181886
3	113	0.254	2.286	15.57181886	0	2.270387915	560.07	662.686	662.686	0.993170566	2.270387915	1	1	13.5554309	13.55543095
3	114	0	4.826	13.55543095	0	4.757517814	560.07	662.686	662.686	0.985809742	4.757517814	1	1	8.79791313	8.797913133
3	115	0	4.572	8.797913133	0	4.216274986	560.07	662.686	662.686	0.922194879	4.216274986	1	1	4.58163815	4.581638148
3	116	0	4.826	4.581638148	0	3.29701717	560.07	662.686	662.686	0.683178029	3.29701717	1	1	1.28462098	1.284620978
3	117	0	5.08	1.284620978	0	1.168138186	560.07	662.686	662.686	0.229948462	1.168138186	1	1	0.11648279	0.116482792
3	118	0	4.826	0.116482792	0	0.102441345	560.07	662.686	662.686	0.021226967	0.102441345	1	1	0.01404145	0.014041447
3	119	0	5.08	0.014041447	0	0.01300068	560.07	662.686	662.686	0.002559189	0.01300068	1	1	0.00104077	0.001040767
3	120	0	4.572	0.001040767	0	0.000867264	560.07	662.686	662.686	0.00018969	0.000867264	1	1	0.0001735	0.000173503
3	121	0	5.334	0.000173503	0	0.000168676	560.07	662.686	662.686	3.16227E-05	0.000168676	1	1	4.8277E-06	4.82774E-06
3	122	0	4.826	4.82774E-06	0	4.24641E-06	560.07	662.686	662.686	8.79904E-07	4.24641E-06	1	1	5.8132E-07	5.81323E-07
3	123	0	4.826	5.81323E-07	0	5.11324E-07	560.07	662.686	662.686	1.05952E-07	5.11324E-07	1	1	6.9999E-08	6.99989E-08
3	124	0	4.572	6.99989E-08	0	5.83296E-08	560.07	662.686	662.686	1.2758E-08	5.83296E-08	1	1	1.1669E-08	1.16693E-08
3	125	0	4.826	1.16693E-08	0	1.02642E-08	560.07	662.686	662.686	2.12685E-09	1.02642E-08	1	1	1.4051E-09	1.40514E-09
3	126	0	4.572	1.40514E-09	0	1.17089E-09	560.07	662.686	662.686	2.56101E-10	1.17089E-09	1	1	2.3425E-10	2.34247E-10
3	127	0	3.81	2.34247E-10	0	1.62664E-10	560.07	662.686	662.686	4.26938E-11	1.62664E-10	1	1	7.1583E-11	7.15833E-11
3	128	22.606	0	7.15833E-11	0	0	560.07	685.292	685.292	1.30468E-11	0	1	1	22.606	22.606
3	129	3.048	2.286	22.606	0	2.28479425	560.07	688.34	688.34	0.99947255	2.28479425	1	1	23.3692058	23.36920575
3	130	0	4.826	23.36920575	0	4.824072591	560.07	688.34	688.34	0.99960062	4.824072591	1	1	18.5451332	18.54513316
3	131	0	4.572	18.54513316	0	4.561413052	560.07	688.34	688.34	0.997684395	4.561413052	1	1	13.9837201	13.98372011
3	132	0	5.08	13.98372011	0	5.018269814	560.07	688.34	688.34	0.987848389	5.018269814	1	1	8.96545029	8.965450293
3	133	0	4.826	8.965450293	0	4.471941575	560.07	688.34	688.34	0.926635221	4.471941575	1	1	4.49350872	4.493508718
3	134	0	3.81	4.493508718	0	2.569914136	560.07	688.34	688.34	0.674518146	2.569914136	1	1	1.92359458	1.923594582
3	135	1.27	1.27	1.923594582	0	0.427866276	560.07	689.61	689.61	0.336902579	0.427866276	1	1	2.76572831	2.765728307
3	136	7.62	3.048	2.765728307	0	1.418298854	560.07	697.23	697.23	0.465321146	1.418298854	1	1	8.96742945	8.967429453
3	137	0	1.27	8.967429453	0	1.176891462	560.07	697.23	697.23	0.926686191	1.176891462	1	1	7.79053799	7.790537991
3	138	0	4.572	7.790537991	0	4.067154372	560.07	697.23	697.23	0.889578821	4.067154372	1	1	3.72338362	3.723383619
3	139	0	5.08	3.723383619	0	3.000370509	560.07	697.23	697.23	0.590624116	3.000370509	1	1	0.72301311	0.72301311
3	140	0	5.08	0.72301311	0	0.66557592	560.07	697.23	697.23	0.131018882	0.66557592	1	1	0.05743719	0.05743719
3	141	0	5.334	0.05743719	0	0.055836959	560.07	697.23	697.23	0.010468121	0.055836959	1	1	0.00160023	0.001600231
3	142	0	6.35	0.001600231	0	0.001600231	560.07	697.23	697.23	0.000291658	0.001600231	1	1	0	0
3	143	0	5.334	0	0	0	560.07	697.23	697.23	0	0	1	1	0	0
3	144	0	2.286	0	0	0	560.07	697.23	697.23	0	0	1	1	0	0
3	145	0.254	2.286	0	0	0	560.07	697.484	697.484	0	0	1	1	0.254	0.254
3	146	0	5.334	0.254	0	0.24675619	560.07	697.484	697.484	0.046261003	0.24675619	1	1	0.00724381	0.00724381
3	147	0	5.08	0.00724381	0	0.006706902	560.07	697.484	697.484	0.001320256	0.006706902	1	1	0.00053691	0.000536908
3	148	0	5.334	0.000536908	0	0.000521969	560.07	697.484	697.484	9.78569E-05	0.000521969	1	1	1.4939E-05	1.49395E-05
3	149	0	5.588	1.49395E-05	0	1.49395E-05	560.07	697.484	697.484	2.72287E-06	1.52154E-05	1	1	0	0
3	150	0	5.588	0	0	0	560.07	697.484	697.484	0	0	1	1	0	0
3	151	0	5.08	0	0	0	560.07	697.484	697.484	0	0	1	1	0	0
3	152	0	5.842	0	0	0	560.07	697.484	697.484	0	0	1	1	0	0
3	153	0	5.842	0	0	0	560.07	697.484	697.484	0	0	1	1	0	0
3	154	0	4.318	0	0	0	560.07	697.484	697.484	0	0	1	1	0	0
3	155	0	5.08	0	0	0	560.07	697.484	697.484	0	0	1	1	0	0
3	156	0	3.556	0	0	0	560.07	697.484	697.484	0	0	1	1	0	0
3	157	0	5.08	0	0	0	560.07	697.484	697.484	0	0	1	1	0	0
3	158	0	5.334	0	0	0	560.07	697.484	697.484	0	0	1	1	0	0
3	159	4.572	4.572	0	0	0	560.07	702.056	702.056	0	0	1	1	4.572	4.572

**Appendix E - Table 1  
 COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
 Proposed Target Development Site  
 Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
3	160	0.508	2.54	4.572	0	1.732889957	560.07	702.564	702.564	0.68224014	1.732889957	1	1	3.34711004	3.347110043
3	161	0	5.334	3.347110043	0	2.902540493	560.07	702.564	702.564	0.544158323	2.902540493	1	1	0.44456955	0.44456955
3	162	0	5.588	0.44456955	0	0.44456955	560.07	702.564	702.564	0.080850396	0.45179201	1	1	0	0
3	163	0	5.334	0	0	0	560.07	702.564	702.564	0	0	1	1	0	0
3	164	0	5.08	0	0	0	560.07	702.564	702.564	0	0	1	1	0	0
3	165	0	5.842	0	0	0	560.07	702.564	702.564	0	0	1	1	0	0
3	166	0	6.35	0	0	0	560.07	702.564	702.564	0	0	1	1	0	0
3	167	0	4.826	0	0	0	560.07	702.564	702.564	0	0	1	1	0	0
3	168	0	2.032	0	0	0	560.07	702.564	702.564	0	0	1	1	0	0
3	169	0.254	2.794	0	0	0	560.07	702.818	702.818	0	0	1	1	0.254	0.254
3	170	0	3.81	0.254	0	0.176254421	560.07	702.818	702.818	0.046261003	0.176254421	1	1	0.07774558	0.077745579
3	171	0	3.556	0.077745579	0	0.050384832	560.07	702.818	702.818	0.014168963	0.050384832	1	1	0.02736075	0.027360747
3	172	0	4.826	0.027360747	0	0.024065955	560.07	702.818	702.818	0.004986729	0.024065955	1	1	0.00329479	0.003294792
3	173	0	4.318	0.003294792	0	0.002592997	560.07	702.818	702.818	0.000600509	0.002592997	1	1	0.0007018	0.000701795
3	174	0	2.286	0.000701795	0	0.0002924	560.07	702.818	702.818	0.000127909	0.0002924	1	1	0.00040939	0.000409395
3	175	0	3.048	0.000409395	0	0.00022743	560.07	702.818	702.818	7.46163E-05	0.00022743	1	1	0.00018196	0.000181964
3	176	0	4.826	0.000181964	0	0.000160053	560.07	702.818	702.818	3.31648E-05	0.000160053	1	1	2.1911E-05	2.19109E-05
3	177	0	5.08	2.19109E-05	0	2.02869E-05	560.07	702.818	702.818	3.99348E-06	2.02869E-05	1	1	1.624E-06	1.62401E-06
3	178	0	5.08	1.62401E-06	0	1.50364E-06	560.07	702.818	702.818	2.95993E-07	1.50364E-06	1	1	1.2037E-07	1.2037E-07
3	179	0	4.826	1.2037E-07	0	1.05876E-07	560.07	702.818	702.818	2.19387E-08	1.05876E-07	1	1	1.4494E-08	1.44942E-08
3	180	0	4.064	1.44942E-08	0	1.07359E-08	560.07	702.818	702.818	2.64171E-09	1.07359E-08	1	1	3.7583E-09	3.75827E-09
3	181	0	3.302	3.75827E-09	0	2.26181E-09	560.07	702.818	702.818	6.84983E-10	2.26181E-09	1	1	1.4965E-09	1.49646E-09
3	182	0	4.318	1.49646E-09	0	1.17771E-09	560.07	702.818	702.818	2.72745E-10	1.17771E-09	1	1	3.1875E-10	3.18748E-10
3	183	0	4.826	3.18748E-10	0	2.80366E-10	560.07	702.818	702.818	5.8095E-11	2.80366E-10	1	1	3.8381E-11	3.83813E-11
3	184	0	4.572	3.83813E-11	0	3.1983E-11	560.07	702.818	702.818	6.9954E-12	3.1983E-11	1	1	6.3983E-12	6.39831E-12
3	185	0	4.572	6.39831E-12	0	5.33177E-12	560.07	702.818	702.818	1.16618E-12	5.33177E-12	1	1	1.0665E-12	1.06654E-12
3	186	0	4.064	1.06654E-12	0	7.90042E-13	560.07	702.818	702.818	1.944E-13	7.90042E-13	1	1	2.765E-13	2.76503E-13
3	187	0	4.572	2.76503E-13	0	2.30448E-13	560.07	702.818	702.818	5.04041E-14	2.30448E-13	1	1	4.6055E-14	4.60549E-14
3	188	0	4.572	4.60549E-14	0	3.83233E-14	560.07	702.818	702.818	8.38218E-15	3.83233E-14	1	1	7.7315E-15	7.73152E-15
3	189	0	5.08	7.73152E-15	0	7.04992E-15	560.07	702.818	702.818	1.38778E-15	7.04992E-15	1	1	6.8161E-16	6.81606E-16
3	190	0	4.572	6.81606E-16	0	5.07594E-16	560.07	702.818	702.818	1.11022E-16	5.07594E-16	1	1	1.7401E-16	1.74012E-16
3	191	0	3.556	1.74012E-16	0	1.74012E-16	560.07	702.818	702.818	5.55112E-17	1.97398E-16	1	1	0	0
3	192	0	2.032	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	193	0	1.524	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	194	0	2.794	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	195	0	4.826	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	196	0	4.826	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	197	0	3.302	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	198	0	2.286	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	199	0	4.572	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	200	0	5.08	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	201	0	5.08	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	202	0	4.318	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	203	0	3.81	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	204	0	4.318	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	205	0	5.08	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	206	0	4.572	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	207	0	3.556	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
3	208	0	4.572	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	209	0	4.826	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	210	0	4.318	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	211	0	3.81	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	212	0	4.318	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	213	0	4.318	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	214	0	3.81	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	215	0	4.572	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	216	0	3.302	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	217	0	4.318	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	218	0	4.572	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	219	0	4.064	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	220	0	3.81	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	221	0	3.048	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	222	0	3.81	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	223	0	4.826	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	224	0	4.826	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	225	0	4.826	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	226	0	4.572	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	227	0	4.572	0	0	0	560.07	702.818	702.818	0	0	1	1	0	0
3	228	0.254	4.572	0	0	0	560.07	703.072	703.072	0	0	1	1	0.254	0.254
3	229	0	4.826	0.254	0	0.2232556	560.07	703.072	703.072	0.046261003	0.2232556	1	1	0.0307444	0.0307444
3	230	0	4.318	0.0307444	0	0.024195552	560.07	703.072	703.072	0.005603416	0.024195552	1	1	0.00654885	0.006548848
3	231	0	4.318	0.006548848	0	0.005153933	560.07	703.072	703.072	0.001193593	0.005153933	1	1	0.00139491	0.001394915
3	232	0	4.064	0.001394915	0	0.00103322	560.07	703.072	703.072	0.000254237	0.00103322	1	1	0.00036169	0.000361695
3	233	0	3.81	0.000361695	0	0.000251165	560.07	703.072	703.072	6.59225E-05	0.000251165	1	1	0.00011053	0.00011053
3	234	0	2.54	0.00011053	0	5.11688E-05	560.07	703.072	703.072	2.01452E-05	5.11688E-05	1	1	5.9361E-05	5.93612E-05
3	235	0	2.54	5.93612E-05	0	2.74807E-05	560.07	703.072	703.072	1.08192E-05	2.74807E-05	1	1	3.1881E-05	3.18805E-05
3	236	0	3.302	3.18805E-05	0	1.91864E-05	560.07	703.072	703.072	5.81054E-06	1.91864E-05	1	1	1.2694E-05	1.26941E-05
3	237	0	4.318	1.26941E-05	0	9.99024E-06	560.07	703.072	703.072	2.31363E-06	9.99024E-06	1	1	2.7039E-06	2.70386E-06
3	238	0	3.556	2.70386E-06	0	1.75242E-06	560.07	703.072	703.072	4.92805E-07	1.75242E-06	1	1	9.5144E-07	9.51443E-07
3	239	0	3.048	9.51443E-07	0	5.28554E-07	560.07	703.072	703.072	1.7341E-07	5.28554E-07	1	1	4.2289E-07	4.22889E-07
3	240	0.254	2.794	4.22889E-07	0	2.1535E-07	560.07	703.326	703.326	7.70758E-08	2.1535E-07	1	1	0.25400021	0.254000208
3	241	0	2.54	0.254000208	0	0.117503043	560.07	703.326	703.326	0.046261041	0.117503043	1	1	0.13649716	0.136497164
3	242	4.572	0	0.136497164	0	0	560.07	707.898	707.898	0.024872845	0	1	1	4.70849716	4.708497164
3	243	0	2.286	4.708497164	0	1.589487863	560.07	707.898	707.898	0.695314026	1.589487863	1	1	3.1190093	3.119009301
3	244	0	1.27	3.119009301	0	0.6530788	560.07	707.898	707.898	0.514235276	0.6530788	1	1	2.4659305	2.465930501
3	245	6.604	0	2.465930501	0	0	560.07	714.502	714.502	0.421439031	0	1	1	9.0699305	9.069930501
3	246	0.254	3.81	9.069930501	0	3.54055622	560.07	714.756	714.756	0.929279848	3.54055622	1	1	5.78337428	5.78337428
3	247	0	3.81	5.78337428	0	2.984703426	560.07	714.756	714.756	0.783386726	2.984703426	1	1	2.79867085	2.798670855
3	248	0	4.572	2.798670855	0	2.148895145	560.07	714.756	714.756	0.470012061	2.148895145	1	1	0.64977571	0.64977571
3	249	0	4.318	0.64977571	0	0.508995325	560.07	714.756	714.756	0.117877565	0.508995325	1	1	0.14078038	0.140780385
3	250	0	4.826	0.140780385	0	0.123801411	560.07	714.756	714.756	0.025653007	0.123801411	1	1	0.01697897	0.016978973
3	251	0	4.826	0.016978973	0	0.014934435	560.07	714.756	714.756	0.003094578	0.014934435	1	1	0.00204454	0.002044539
3	252	0	3.302	0.002044539	0	0.00123045	560.07	714.756	714.756	0.000372638	0.00123045	1	1	0.00081409	0.000814089
3	253	0	3.302	0.000814089	0	0.000489937	560.07	714.756	714.756	0.000148376	0.000489937	1	1	0.00032415	0.000324152
3	254	0	3.048	0.000324152	0	0.000180076	560.07	714.756	714.756	5.90799E-05	0.000180076	1	1	0.00014408	0.000144076
3	255	0	3.556	0.000144076	0	9.33782E-05	560.07	714.756	714.756	2.62593E-05	9.33782E-05	1	1	5.0698E-05	5.0698E-05

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
3	256	0	2.286	5.0698E-05	0	2.11232E-05	560.07	714.756	714.756	9.24023E-06	2.11232E-05	1	1	2.9575E-05	2.95749E-05
3	257	0	4.064	2.95749E-05	0	2.19063E-05	560.07	714.756	714.756	5.39032E-06	2.19063E-05	1	1	7.6686E-06	7.66863E-06
3	258	0	2.286	7.66863E-06	0	3.19511E-06	560.07	714.756	714.756	1.39768E-06	3.19511E-06	1	1	4.4735E-06	4.47352E-06
3	259	0	3.81	4.47352E-06	0	3.10646E-06	560.07	714.756	714.756	8.15344E-07	3.10646E-06	1	1	1.3671E-06	1.36706E-06
3	260	0	3.556	1.36706E-06	0	8.86015E-07	560.07	714.756	714.756	2.4916E-07	8.86015E-07	1	1	4.8105E-07	4.81046E-07
3	261	0	4.318	4.81046E-07	0	3.78582E-07	560.07	714.756	714.756	8.76754E-08	3.78582E-07	1	1	1.0246E-07	1.02463E-07
3	262	0	3.81	1.02463E-07	0	7.11516E-08	560.07	714.756	714.756	1.8675E-08	7.11516E-08	1	1	3.1312E-08	3.13117E-08
3	263	0	3.556	3.13117E-08	0	2.02936E-08	560.07	714.756	714.756	5.70687E-09	2.02936E-08	1	1	1.1018E-08	1.10181E-08
3	264	0.508	0.508	1.10181E-08	0	1.02014E-09	560.07	715.264	715.264	2.00815E-09	1.02014E-09	1	1	0.50800001	0.50800001
3	265	1.524	0.762	0.50800001	0	0.070351213	560.07	716.788	716.788	0.092324426	0.070351213	1	1	1.9616488	1.961648797
3	266	2.54	1.524	1.961648797	0	0.522787896	560.07	719.328	719.328	0.343036677	0.522787896	1	1	3.9788609	3.978860901
3	267	0	3.302	3.978860901	0	2.047610312	560.07	719.328	719.328	0.620112148	2.047610312	1	1	1.93125059	1.931250589
3	268	0	3.556	1.931250589	0	1.202422286	560.07	719.328	719.328	0.338139	1.202422286	1	1	0.7288283	0.728828304
3	269	0	3.048	0.728828304	0	0.402520161	560.07	719.328	719.328	0.13206042	0.402520161	1	1	0.32630814	0.326308142
3	270	0	2.54	0.326308142	0	0.150883391	560.07	719.328	719.328	0.05940291	0.150883391	1	1	0.17542475	0.175424751
3	271	0	1.778	0.175424751	0	0.056828487	560.07	719.328	719.328	0.031962029	0.056828487	1	1	0.11859626	0.118596264
3	272	0	2.286	0.118596264	0	0.049405014	560.07	719.328	719.328	0.021611992	0.049405014	1	1	0.06919125	0.06919125
3	273	0	2.794	0.06919125	0	0.035232704	560.07	719.328	719.328	0.01261013	0.035232704	1	1	0.03395855	0.033958545
3	274	0	3.302	0.033958545	0	0.020436759	560.07	719.328	719.328	0.006189206	0.020436759	1	1	0.01352179	0.013521786
3	275	0.254	1.524	0.013521786	0	0.003755862	560.07	719.582	719.582	0.002464476	0.003755862	1	1	0.26376592	0.263765925
3	276	0	2.286	0.263765925	0	0.109812544	560.07	719.582	719.582	0.048036983	0.109812544	1	1	0.15395338	0.153953381
3	277	0	2.54	0.153953381	0	0.07125255	560.07	719.582	719.582	0.028052185	0.07125255	1	1	0.08270083	0.082700831
3	278	0	0.762	0.082700831	0	0.011484798	560.07	719.582	719.582	0.015071914	0.011484798	1	1	0.07121603	0.071216032
3	279	0	2.286	0.071216032	0	0.029670238	560.07	719.582	719.582	0.012979107	0.029670238	1	1	0.04154579	0.041545794
3	280	0	0.254	0.041545794	0	0.001923286	560.07	719.582	719.582	0.007571993	0.001923286	1	1	0.03962251	0.039622508
3	281	0	0.254	0.039622508	0	0.001834254	560.07	719.582	719.582	0.007221474	0.001834254	1	1	0.03778825	0.037788253
3	282	0	2.54	0.037788253	0	0.017493435	560.07	719.582	719.582	0.006887179	0.017493435	1	1	0.02029482	0.020294819
3	283	3.048	0.254	0.020294819	0	0.000939525	560.07	722.63	722.63	0.003698917	0.000939525	1	1	3.06735529	3.067355294
3	284	5.588	1.27	3.067355294	0	0.64424163	560.07	728.218	728.218	0.507276874	0.64424163	1	1	8.01111366	8.011113664
3	285	0	1.27	8.011113664	0	1.140044887	560.07	728.218	728.218	0.897673139	1.140044887	1	1	6.87106878	6.871068777
3	286	0	1.778	6.871068777	0	1.509403315	560.07	728.218	728.218	0.848933248	1.509403315	1	1	5.36166546	5.361665462
3	287	0	2.54	5.361665462	0	1.909721252	560.07	728.218	728.218	0.751858761	1.909721252	1	1	3.45194421	3.45194421
3	288	0	2.54	3.45194421	0	1.415967796	560.07	728.218	728.218	0.557467636	1.415967796	1	1	2.03597641	2.035976414
3	289	0	1.778	2.035976414	0	0.631071747	560.07	728.218	728.218	0.354933491	0.631071747	1	1	1.40490467	1.404904667
3	290	0	3.048	1.404904667	0	0.76384321	560.07	728.218	728.218	0.250604728	0.76384321	1	1	0.64106146	0.641061457
3	291	0	2.54	0.641061457	0	0.295430149	560.07	728.218	728.218	0.116311082	0.295430149	1	1	0.34563131	0.345631309
3	292	0	2.032	0.345631309	0	0.12783632	560.07	728.218	728.218	0.062911575	0.12783632	1	1	0.21779499	0.217794989
3	293	0	2.032	0.217794989	0	0.080618551	560.07	728.218	728.218	0.039674484	0.080618551	1	1	0.13717644	0.137176439
3	294	0	1.778	0.137176439	0	0.044443907	560.07	728.218	728.218	0.024996573	0.044443907	1	1	0.09273253	0.092732532
3	295	0	3.048	0.092732532	0	0.051510665	560.07	728.218	728.218	0.016899824	0.051510665	1	1	0.04122187	0.041221867
3	296	0	4.064	0.041221867	0	0.030532658	560.07	728.218	728.218	0.007512957	0.030532658	1	1	0.01068921	0.010689209
3	297	0	3.556	0.010689209	0	0.006927846	560.07	728.218	728.218	0.001948213	0.006927846	1	1	0.00376136	0.003761364
3	298	0	2.286	0.003761364	0	0.001567158	560.07	728.218	728.218	0.000685546	0.001567158	1	1	0.00219421	0.002194205
3	299	8.89	0.508	0.002194205	0	0.000203157	560.07	737.108	737.108	0.000399916	0.000203157	1	1	8.89199105	8.891991048
3	300	68.072	0	8.891991048	0	0	560.07	805.18	805.18	0.924719111	0	1	1	76.963991	76.96399105
3	301	0	1.27	76.96399105	0	1.27	560.07	805.18	805.18	1	1.27	1	1	75.693991	75.69399105
3	302	11.684	0	75.69399105	5.077991048	0	565.147991	816.864	816.864	1	0	1	1	87.377991	82.3
3	303	3.302	1.524	82.3	1.778	1.524	566.925991	820.166	820.166	1	1.524	1	1	84.078	82.3

**Appendix E - Table 1  
COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
Proposed Target Development Site  
Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
3	304	16.256	0.254	82.3	16.002	0.254	582.927991	836.422	836.422	1	0.254	1	1	98.302	82.3
3	305	0	1.524	82.3	0	1.524	582.927991	836.422	836.422	1	1.524	1	1	80.776	80.776
3	306	0	1.27	80.776	0	1.27	582.927991	836.422	836.422	1	1.27	1	1	79.506	79.506
3	307	0	1.524	79.506	0	1.524	582.927991	836.422	836.422	1	1.524	1	1	77.982	77.982
3	308	0.254	2.032	77.982	0	2.032	582.927991	836.676	836.676	1	2.032	1	1	76.204	76.204
3	309	0	1.778	76.204	0	1.778	582.927991	836.676	836.676	1	1.778	1	1	74.426	74.426
3	310	0	1.27	74.426	0	1.27	582.927991	836.676	836.676	1	1.27	1	1	73.156	73.156
3	311	0	2.032	73.156	0	2.032	582.927991	836.676	836.676	1	2.032	1	1	71.124	71.124
3	312	0	2.286	71.124	0	2.286	582.927991	836.676	836.676	1	2.286	1	1	68.838	68.838
3	313	0	1.778	68.838	0	1.778	582.927991	836.676	836.676	1	1.778	1	1	67.06	67.06
3	314	0	1.27	67.06	0	1.27	582.927991	836.676	836.676	1	1.27	1	1	65.79	65.79
3	315	2.794	0.762	65.79	0	0.762	582.927991	839.47	839.47	1	0.762	1	1	67.822	67.822
3	316	0.254	1.27	67.822	0	1.27	582.927991	839.724	839.724	1	1.27	1	1	66.806	66.806
3	317	0	1.524	66.806	0	1.524	582.927991	839.724	839.724	1	1.524	1	1	65.282	65.282
3	318	6.858	0.762	65.282	0	0.762	582.927991	846.582	846.582	1	0.762	1	1	71.378	71.378
3	319	1.27	1.016	71.378	0	1.016	582.927991	847.852	847.852	1	1.016	1	1	71.632	71.632
3	320	0.254	0.762	71.632	0	0.762	582.927991	848.106	848.106	1	0.762	1	1	71.124	71.124
3	321	0	0.762	71.124	0	0.762	582.927991	848.106	848.106	1	0.762	1	1	70.362	70.362
3	322	0	1.524	70.362	0	1.524	582.927991	848.106	848.106	1	1.524	1	1	68.838	68.838
3	323	0	1.524	68.838	0	1.524	582.927991	848.106	848.106	1	1.524	1	1	67.314	67.314
3	324	0	1.524	67.314	0	1.524	582.927991	848.106	848.106	1	1.524	1	1	65.79	65.79
3	325	0	1.524	65.79	0	1.524	582.927991	848.106	848.106	1	1.524	1	1	64.266	64.266
3	326	2.286	0.254	64.266	0	0.254	582.927991	850.392	850.392	1	0.254	1	1	66.298	66.298
3	327	2.032	1.016	66.298	0	1.016	582.927991	852.424	852.424	1	1.016	1	1	67.314	67.314
3	328	0	0.762	67.314	0	0.762	582.927991	852.424	852.424	1	0.762	1	1	66.552	66.552
3	329	0	1.016	66.552	0	1.016	582.927991	852.424	852.424	1	1.016	1	1	65.536	65.536
3	330	0	1.016	65.536	0	1.016	582.927991	852.424	852.424	1	1.016	1	1	64.52	64.52
3	331	0	1.016	64.52	0	1.016	582.927991	852.424	852.424	1	1.016	1	1	63.504	63.504
3	332	0	1.016	63.504	0	1.016	582.927991	852.424	852.424	1	1.016	1	1	62.488	62.488
3	333	0	1.27	62.488	0	1.27	582.927991	852.424	852.424	1	1.27	1	1	61.218	61.218
3	334	14.224	0.508	61.218	0	0.508	582.927991	866.648	866.648	1	0.508	1	1	74.934	74.934
3	335	0	1.016	74.934	0	1.016	582.927991	866.648	866.648	1	1.016	1	1	73.918	73.918
3	336	0	0.762	73.918	0	0.762	582.927991	866.648	866.648	1	0.762	1	1	73.156	73.156
3	337	0	1.27	73.156	0	1.27	582.927991	866.648	866.648	1	1.27	1	1	71.886	71.886
3	338	0	1.27	71.886	0	1.27	582.927991	866.648	866.648	1	1.27	1	1	70.616	70.616
3	339	0	1.27	70.616	0	1.27	582.927991	866.648	866.648	1	1.27	1	1	69.346	69.346
3	340	0	1.524	69.346	0	1.524	582.927991	866.648	866.648	1	1.524	1	1	67.822	67.822
3	341	0	0.762	67.822	0	0.762	582.927991	866.648	866.648	1	0.762	1	1	67.06	67.06
3	342	0	1.27	67.06	0	1.27	582.927991	866.648	866.648	1	1.27	1	1	65.79	65.79
3	343	0	1.016	65.79	0	1.016	582.927991	866.648	866.648	1	1.016	1	1	64.774	64.774
3	344	0	0	64.774	0	0	582.927991	866.648	866.648	1	0	1	1	64.774	64.774
3	345	0	1.016	64.774	0	1.016	582.927991	866.648	866.648	1	1.016	1	1	63.758	63.758
3	346	7.112	0.508	63.758	0	0.508	582.927991	873.76	873.76	1	0.508	1	1	70.362	70.362
3	347	1.27	0.762	70.362	0	0.762	582.927991	875.03	875.03	1	0.762	1	1	70.87	70.87
3	348	10.922	0	70.87	0	0	582.927991	885.952	885.952	1	0	1	1	81.792	81.792
3	349	7.62	0.508	81.792	6.604000002	0.508	589.5319911	893.572	893.572	1	0.508	1	1	88.904	82.3
3	350	0	1.016	82.3	0	1.016	589.5319911	893.572	893.572	1	1.016	1	1	81.284	81.284
3	351	0	1.27	81.284	0	1.27	589.5319911	893.572	893.572	1	1.27	1	1	80.014	80.014

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 COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
 Proposed Target Development Site  
 Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
3	352	0	1.778	80.014	0	1.778	589.5319911	893.572	893.572	1	1.778	1	1	78.236	78.236
3	353	0	1.778	78.236	0	1.778	589.5319911	893.572	893.572	1	1.778	1	1	76.458	76.458
3	354	0	1.778	76.458	0	1.778	589.5319911	893.572	893.572	1	1.778	1	1	74.68	74.68
3	355	0	1.524	74.68	0	1.524	589.5319911	893.572	893.572	1	1.524	1	1	73.156	73.156
3	356	0	0.254	73.156	0	0.254	589.5319911	893.572	893.572	1	0.254	1	1	72.902	72.902
3	357	0	1.016	72.902	0	1.016	589.5319911	893.572	893.572	1	1.016	1	1	71.886	71.886
3	358	0	0.762	71.886	0	0.762	589.5319911	893.572	893.572	1	0.762	1	1	71.124	71.124
3	359	0	1.27	71.124	0	1.27	589.5319911	893.572	893.572	1	1.27	1	1	69.854	69.854
3	360	0	1.524	69.854	0	1.524	589.5319911	893.572	893.572	1	1.524	1	1	68.33	68.33
3	361	0	1.524	68.33	0	1.524	589.5319911	893.572	893.572	1	1.524	1	1	66.806	66.806
3	362	0	1.524	66.806	0	1.524	589.5319911	893.572	893.572	1	1.524	1	1	65.282	65.282
3	363	0	1.778	65.282	0	1.778	589.5319911	893.572	893.572	1	1.778	1	1	63.504	63.504
3	364	0	1.524	63.504	0	1.524	589.5319911	893.572	893.572	1	1.524	1	1	61.98	61.98
3	365	0	1.524	61.98	0	1.524	589.5319911	893.572	893.572	1	1.524	1	1	60.456	60.456
3	366	0	1.27	60.456	0	1.269999999	589.5319911	893.572	893.572	0.999999999	1.269999999	1	1	59.186	59.186
4	1	0	1.778	82.3	0	1.778	0	0	0	1	1.778	1	1	80.522	80.522
4	2	0	2.032	80.522	0	2.032	0	0	0	1	2.032	1	1	78.49	78.49
4	3	0	2.286	78.49	0	2.286	0	0	0	1	2.286	1	1	76.204	76.204
4	4	0	2.032	76.204	0	2.032	0	0	0	1	2.032	1	1	74.172	74.172
4	5	0	2.032	74.172	0	2.032	0	0	0	1	2.032	1	1	72.14	72.14
4	6	0	1.524	72.14	0	1.524	0	0	0	1	1.524	1	1	70.616	70.616
4	7	1.778	0.508	70.616	0	0.508	0	1.778	1.778	1	0.508	1	1	71.886	71.886
4	8	16.764	1.016	71.886	5.334	1.016	5.334	18.542	18.542	1	1.016	1	1	87.634	82.3
4	9	1.524	0.254	82.3	1.27	0.254	6.604	20.066	20.066	1	0.254	1	1	83.57	82.3
4	10	38.354	0	82.3	38.354	0	44.958	58.42	58.42	1	0	1	1	120.654	82.3
4	11	40.132	0	82.3	40.132	0	85.09	98.552	98.552	1	0	1	1	122.432	82.3
4	12	0	0.508	82.3	0	0.508	85.09	98.552	98.552	1	0.508	1	1	81.792	81.792
4	13	0	1.016	81.792	0	1.016	85.09	98.552	98.552	1	1.016	1	1	80.776	80.776
4	14	0	1.016	80.776	0	1.016	85.09	98.552	98.552	1	1.016	1	1	79.76	79.76
4	15	0	1.524	79.76	0	1.524	85.09	98.552	98.552	1	1.524	1	1	78.236	78.236
4	16	0	2.032	78.236	0	2.032	85.09	98.552	98.552	1	2.032	1	1	76.204	76.204
4	17	0	1.524	76.204	0	1.524	85.09	98.552	98.552	1	1.524	1	1	74.68	74.68
4	18	0	1.27	74.68	0	1.27	85.09	98.552	98.552	1	1.27	1	1	73.41	73.41
4	19	0	1.27	73.41	0	1.27	85.09	98.552	98.552	1	1.27	1	1	72.14	72.14
4	20	0	1.524	72.14	0	1.524	85.09	98.552	98.552	1	1.524	1	1	70.616	70.616
4	21	0	1.016	70.616	0	1.016	85.09	98.552	98.552	1	1.016	1	1	69.6	69.6
4	22	0	1.27	69.6	0	1.27	85.09	98.552	98.552	1	1.27	1	1	68.33	68.33
4	23	23.622	0	68.33	9.652	0	94.742	122.174	122.174	1	0	1	1	91.952	82.3
4	24	3.556	0.508	82.3	3.048	0.508	97.79	125.73	125.73	1	0.508	1	1	85.348	82.3
4	25	17.018	0	82.3	17.018	0	114.808	142.748	142.748	1	0	1	1	99.318	82.3
4	26	0.762	0.508	82.3	0.254	0.508	115.062	143.51	143.51	1	0.508	1	1	82.554	82.3
4	27	0	1.524	82.3	0	1.524	115.062	143.51	143.51	1	1.524	1	1	80.776	80.776
4	28	0	1.524	80.776	0	1.524	115.062	143.51	143.51	1	1.524	1	1	79.252	79.252
4	29	0.254	1.524	79.252	0	1.524	115.062	143.764	143.764	1	1.524	1	1	77.982	77.982
4	30	0	2.032	77.982	0	2.032	115.062	143.764	143.764	1	2.032	1	1	75.95	75.95
4	31	0	2.286	75.95	0	2.286	115.062	143.764	143.764	1	2.286	1	1	73.664	73.664
4	32	0	2.286	73.664	0	2.286	115.062	143.764	143.764	1	2.286	1	1	71.378	71.378
4	33	0	2.032	71.378	0	2.032	115.062	143.764	143.764	1	2.032	1	1	69.346	69.346



**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
4	34	0	2.54	69.346	0	2.54	115.062	143.764	143.764	1	2.54	1	1	66.806	66.806
4	35	0	2.54	66.806	0	2.54	115.062	143.764	143.764	1	2.54	1	1	64.266	64.266
4	36	0	2.032	64.266	0	2.032	115.062	143.764	143.764	1	2.032	1	1	62.234	62.234
4	37	0	2.286	62.234	0	2.285999999	115.062	143.764	143.764	1	2.285999999	1	1	59.948	59.948
4	38	0	2.54	59.948	0	2.539999998	115.062	143.764	143.764	0.999999999	2.539999998	1	1	57.408	57.408
4	39	0	2.54	57.408	0	2.539999996	115.062	143.764	143.764	0.999999998	2.539999996	1	1	54.868	54.86800001
4	40	21.59	0.254	54.86800001	0	0.253999999	115.062	165.354	165.354	0.999999996	0.253999999	1	1	76.204	76.20400001
4	41	16.51	0.254	76.20400001	10.16000001	0.254	125.222	181.864	181.864	1	0.254	1	1	92.46	82.3
4	42	12.954	1.524	82.3	11.43	1.524	136.652	194.818	194.818	1	1.524	1	1	93.73	82.3
4	43	28.448	1.27	82.3	27.178	1.27	163.83	223.266	223.266	1	1.27	1	1	109.478	82.3
4	44	0	1.27	82.3	0	1.27	163.83	223.266	223.266	1	1.27	1	1	81.03	81.03
4	45	0	2.032	81.03	0	2.032	163.83	223.266	223.266	1	2.032	1	1	78.998	78.998
4	46	0	1.778	78.998	0	1.778	163.83	223.266	223.266	1	1.778	1	1	77.22	77.22
4	47	0	2.286	77.22	0	2.286	163.83	223.266	223.266	1	2.286	1	1	74.934	74.934
4	48	8.382	1.016	74.934	5.8975E-12	1.016	163.83	231.648	231.648	1	1.016	1	1	82.3	82.3
4	49	2.54	0.762	82.3	1.778	0.762	165.608	234.188	234.188	1	0.762	1	1	84.078	82.3
4	50	19.558	0.508	82.3	19.05	0.508	184.658	253.746	253.746	1	0.508	1	1	101.35	82.3
4	51	4.064	1.016	82.3	3.048	1.016	187.706	257.81	257.81	1	1.016	1	1	85.348	82.3
4	52	14.478	1.524	82.3	12.954	1.524	200.66	272.288	272.288	1	1.524	1	1	95.254	82.3
4	53	13.462	1.778	82.3	11.684	1.778	212.344	285.75	285.75	1	1.778	1	1	93.984	82.3
4	54	4.826	2.032	82.3	2.794	2.032	215.138	290.576	290.576	1	2.032	1	1	85.094	82.3
4	55	25.654	0.508	82.3	25.146	0.508	240.284	316.23	316.23	1	0.508	1	1	107.446	82.3
4	56	4.572	2.032	82.3	2.54	2.032	242.824	320.802	320.802	1	2.032	1	1	84.84	82.3
4	57	0	1.778	82.3	0	1.778	242.824	320.802	320.802	1	1.778	1	1	80.522	80.522
4	58	0	2.794	80.522	0	2.794	242.824	320.802	320.802	1	2.794	1	1	77.728	77.728
4	59	0	2.794	77.728	0	2.794	242.824	320.802	320.802	1	2.794	1	1	74.934	74.934
4	60	0	2.032	74.934	0	2.032	242.824	320.802	320.802	1	2.032	1	1	72.902	72.902
4	61	6.35	0.762	72.902	0	0.762	242.824	327.152	327.152	1	0.762	1	1	78.49	78.49
4	62	12.192	1.27	78.49	7.112	1.27	249.936	339.344	339.344	1	1.27	1	1	89.412	82.3
4	63	32.766	0	82.3	32.766	0	282.702	372.11	372.11	1	0	1	1	115.066	82.3
4	64	11.938	1.27	82.3	10.668	1.27	293.37	384.048	384.048	1	1.27	1	1	92.968	82.3
4	65	0	1.524	82.3	0	1.524	293.37	384.048	384.048	1	1.524	1	1	80.776	80.776
4	66	0	3.048	80.776	0	3.048	293.37	384.048	384.048	1	3.048	1	1	77.728	77.728
4	67	0	2.54	77.728	0	2.54	293.37	384.048	384.048	1	2.54	1	1	75.188	75.188
4	68	0	2.286	75.188	0	2.286	293.37	384.048	384.048	1	2.286	1	1	72.902	72.902
4	69	0	3.048	72.902	0	3.048	293.37	384.048	384.048	1	3.048	1	1	69.854	69.854
4	70	0	2.286	69.854	0	2.286	293.37	384.048	384.048	1	2.286	1	1	67.568	67.568
4	71	0	3.048	67.568	0	3.048	293.37	384.048	384.048	1	3.048	1	1	64.52	64.52
4	72	0	3.048	64.52	0	3.048	293.37	384.048	384.048	1	3.048	1	1	61.472	61.472
4	73	0	2.794	61.472	0	2.793999999	293.37	384.048	384.048	1	2.793999999	1	1	58.678	58.678
4	74	0	1.27	58.678	0	1.269999999	293.37	384.048	384.048	0.999999999	1.269999999	1	1	57.408	57.408
4	75	0	3.302	57.408	0	3.301999995	293.37	384.048	384.048	0.999999998	3.301999995	1	1	54.106	54.10600001
4	76	0	3.302	54.10600001	0	3.301999982	293.37	384.048	384.048	0.999999995	3.301999982	1	1	50.804	50.80400003
4	77	0	3.556	50.80400003	0	3.555999936	293.37	384.048	384.048	0.999999982	3.555999936	1	1	47.2480001	47.24800009
4	78	0	4.064	47.24800009	0	4.063999731	293.37	384.048	384.048	0.999999934	4.063999731	1	1	43.1840004	43.18400036
4	79	0	3.556	43.18400036	0	3.555998963	293.37	384.048	384.048	0.999999709	3.555998963	1	1	39.6280014	39.6280014
4	80	0	0.508	39.6280014	0	0.507999459	293.37	384.048	384.048	0.999998934	0.507999459	1	1	39.1200019	39.12000194
4	81	0	2.54	39.12000194	0	2.539996743	293.37	384.048	384.048	0.999998718	2.539996743	1	1	36.5800052	36.58000519

**Appendix E - Table 1  
COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
Proposed Target Development Site  
Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
4	82	0	2.54	36.58000519	0	2.539991779	293.37	384.048	384.048	0.999996763	2.539991779	1	1	34.0400134	34.04001342
4	83	20.066	2.54	34.04001342	0	2.53997925	293.37	404.114	404.114	0.999991831	2.53997925	1	1	51.5660342	51.56603417
4	84	2.286	2.032	51.56603417	0	2.031999972	293.37	406.4	406.4	0.999999986	2.031999972	1	1	51.8200342	51.82003419
4	85	0	3.81	51.82003419	0	3.809999952	293.37	406.4	406.4	0.999999987	3.809999952	1	1	48.0100342	48.01003424
4	86	0	3.81	48.01003424	0	3.809999809	293.37	406.4	406.4	0.999999995	3.809999809	1	1	44.2000344	44.20003443
4	87	0	3.81	44.20003443	0	3.809999233	293.37	406.4	406.4	0.999999799	3.809999233	1	1	40.3900352	40.3900352
4	88	0	3.81	40.3900352	0	3.809996925	293.37	406.4	406.4	0.999999193	3.809996925	1	1	36.5800383	36.58003827
4	89	0	4.064	36.58003827	0	4.063986847	293.37	406.4	406.4	0.999996763	4.063986847	1	1	32.5160514	32.51605143
4	90	0	4.318	32.51605143	0	4.317938521	293.37	406.4	406.4	0.999985762	4.317938521	1	1	28.1981129	28.19811291
4	91	0	3.556	28.19811291	0	3.555755679	293.37	406.4	406.4	0.999931293	3.555755679	1	1	24.6423572	24.64235723
4	92	0	3.556	24.64235723	0	3.555107046	293.37	406.4	406.4	0.999748888	3.555107046	1	1	21.0872502	21.08725018
4	93	0	3.556	21.08725018	0	3.552737954	293.37	406.4	406.4	0.999082664	3.552737954	1	1	17.5345122	17.53451223
4	94	0	3.81	17.53451223	0	3.797254524	293.37	406.4	406.4	0.996654731	3.797254524	1	1	13.7372577	13.7372577
4	95	0	3.048	13.7372577	0	3.007503443	293.37	406.4	406.4	0.986713728	3.007503443	1	1	10.7297543	10.72975426
4	96	17.272	0.254	10.72975426	0	0.244031279	293.37	423.672	423.672	0.960753065	0.244031279	1	1	27.757723	27.75772298
4	97	4.318	3.556	27.75772298	0	3.555713136	293.37	427.99	427.99	0.99991933	3.555713136	1	1	28.5200098	28.52000984
4	98	0.508	3.048	28.52000984	0	3.047813767	293.37	428.498	428.498	0.9999389	3.047813767	1	1	25.9801961	25.98019608
4	99	0	3.556	25.98019608	0	3.55545165	293.37	428.498	428.498	0.999845796	3.55545165	1	1	22.4247444	22.42474443
4	100	0	4.064	22.42474443	0	4.061710074	293.37	428.498	428.498	0.999436534	4.061710074	1	1	18.3630344	18.36303435
4	101	0	2.54	18.36303435	0	2.533715197	293.37	428.498	428.498	0.997525668	2.533715197	1	1	15.8293192	15.82931916
4	102	0	4.064	15.82931916	0	4.038724099	293.37	428.498	428.498	0.993780536	4.038724099	1	1	11.7905951	11.79059506
4	103	0	3.81	11.79059506	0	3.707780956	293.37	428.498	428.498	0.973170854	3.707780956	1	1	8.0828141	8.082814102
4	104	0	3.556	8.082814102	0	3.201044281	293.37	428.498	428.498	0.900181181	3.201044281	1	1	4.88176982	4.881769821
4	105	0	3.81	4.881769821	0	2.709942375	293.37	428.498	428.498	0.711270964	2.709942375	1	1	2.17182745	2.171827446
4	106	0	4.064	2.171827446	0	1.529614794	293.37	428.498	428.498	0.376381593	1.529614794	1	1	0.64221265	0.642212653
4	107	0	4.064	0.642212653	0	0.473529377	293.37	428.498	428.498	0.116518055	0.473529377	1	1	0.16868328	0.168683275
4	108	0.508	3.302	0.168683275	0	0.101485434	293.37	429.006	429.006	0.030734535	0.101485434	1	1	0.57519784	0.575197841
4	109	0.254	2.794	0.575197841	0	0.291842208	293.37	429.26	429.26	0.104453188	0.291842208	1	1	0.53735563	0.537355633
4	110	25.908	0.254	0.537355633	0	0.024797133	293.37	455.168	455.168	0.097626508	0.024797133	1	1	26.4205585	26.4205585
4	111	0.254	4.064	26.4205585	0	4.063466245	293.37	455.422	455.422	0.999868663	4.063466245	1	1	22.6110923	22.61109225
4	112	0	3.556	22.61109225	0	3.554127866	293.37	455.422	455.422	0.999473528	3.554127866	1	1	19.0569644	19.05696439
4	113	0	4.318	19.05696439	0	4.309701392	293.37	455.422	455.422	0.998078136	4.309701392	1	1	14.747263	14.747263
4	114	0	5.08	14.747263	0	5.033198111	293.37	455.422	455.422	0.99078703	5.033198111	1	1	9.71406489	9.714064886
4	115	0	4.826	9.714064886	0	4.554115868	293.37	455.422	455.422	0.943662633	4.554115868	1	1	5.15994902	5.159949018
4	116	0	3.048	5.159949018	0	2.241590803	293.37	455.422	455.422	0.735430054	2.241590803	1	1	2.91835821	2.918358215
4	117	0	3.302	2.918358215	0	1.607519761	293.37	455.422	455.422	0.48683215	1.607519761	1	1	1.31083845	1.310838454
4	118	0	4.064	1.310838454	0	0.952882804	293.37	455.422	455.422	0.234469194	0.952882804	1	1	0.35795565	0.35795565
4	119	0	4.826	0.35795565	0	0.314407139	293.37	455.422	455.422	0.065148599	0.314407139	1	1	0.04354851	0.043548511
4	120	0	4.826	0.043548511	0	0.038303894	293.37	455.422	455.422	0.007936986	0.038303894	1	1	0.00524462	0.005244617
4	121	0	4.826	0.005244617	0	0.004613094	293.37	455.422	455.422	0.000955884	0.004613094	1	1	0.00063152	0.000631522
4	122	0	6.096	0.000631522	0	0.000631522	293.37	455.422	455.422	0.000115101	0.000701657	1	1	0	0
4	123	0	6.35	0	0	0	293.37	455.422	455.422	0	0	1	1	0	0
4	124	0	5.334	0	0	0	293.37	455.422	455.422	0	0	1	1	0	0
4	125	0	4.318	0	0	0	293.37	455.422	455.422	0	0	1	1	0	0
4	126	0.254	5.08	0	0	0	293.37	455.676	455.676	0	0	1	1	0.254	0.254
4	127	0	5.842	0.254	0	0.254	293.37	455.676	455.676	0.046261003	0.270256779	1	1	0	0
4	128	0	5.588	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	129	0	4.826	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0

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 COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
 Proposed Target Development Site  
 Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
4	130	0	4.318	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	131	0	4.064	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	132	0	2.032	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	133	0	3.81	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	134	0	4.572	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	135	0	5.08	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	136	0	5.08	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	137	0	4.826	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	138	0	4.572	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	139	0	4.318	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	140	0	4.572	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	141	0	3.302	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	142	0	4.064	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	143	0	5.08	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	144	0	5.334	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	145	0	5.08	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	146	0	3.302	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	147	0	2.286	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	148	0	5.334	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	149	0	5.334	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	150	0	6.35	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	151	0	5.588	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	152	0	3.302	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	153	0	5.334	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	154	0	5.08	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	155	0	5.08	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	156	0	5.842	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	157	0	5.842	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	158	0	6.096	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	159	0	5.588	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	160	0	5.08	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	161	0	5.08	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	162	0	5.08	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	163	0	5.334	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	164	0	6.096	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	165	0	6.35	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	166	0	5.334	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	167	0	5.08	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	168	0	5.08	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	169	0	5.588	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	170	0	5.588	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	171	0	5.588	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	172	0	5.842	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	173	0	5.334	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	174	0	4.064	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	175	0	5.588	0	0	0	293.37	455.676	455.676	0	0	1	1	0	0
4	176	1.778	4.064	0	0	0	293.37	457.454	457.454	0	0	1	1	1.778	1.778
4	177	0	4.572	1.778	0	1.431821724	293.37	457.454	457.454	0.313171856	1.431821724	1	1	0.34617828	0.346178276

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
4	178	0	2.032	0.346178276	0	0.128038087	293.37	457.454	457.454	0.06301087	0.128038087	1	1	0.21814019	0.218140189
4	179	0	5.842	0.218140189	0	0.218140189	293.37	457.454	457.454	0.039737301	0.23214531	1	1	0	0
4	180	0	5.334	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	181	0	5.588	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	182	0	5.334	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	183	0	5.588	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	184	0	5.08	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	185	0	3.81	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	186	0	4.318	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	187	0	3.81	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	188	0	4.826	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	189	0	3.81	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	190	0	3.302	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	191	0	4.064	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	192	0	4.318	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	193	0	3.81	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	194	0	4.064	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	195	0	3.556	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	196	0	1.524	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	197	0	3.81	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	198	0	3.556	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	199	0	3.81	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	200	0	4.064	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	201	0	4.318	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	202	0	4.826	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	203	0	4.572	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	204	0	3.302	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	205	0	0.508	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	206	0	2.286	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	207	0	3.81	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	208	0	3.302	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	209	0	3.302	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	210	0	3.81	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	211	0	3.81	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	212	0	3.81	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	213	0	2.794	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	214	0	4.318	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	215	0	3.556	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	216	0	4.572	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	217	0	5.08	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	218	0	4.826	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	219	0	4.572	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	220	0	3.81	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	221	0	3.048	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	222	0	4.318	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	223	0	4.826	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	224	0	3.302	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0
4	225	0	4.064	0	0	0	293.37	457.454	457.454	0	0	1	1	0	0

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
Proposed Target Development Site  
Scotts Valley, California

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
4	226	0.254	4.572	0	0	0	293.37	457.708	457.708	0	0	1	1	0.254	0.254
4	227	0	4.064	0.254	0	0.188004716	293.37	457.708	457.708	0.046261003	0.188004716	1	1	0.06599528	0.065995284
4	228	0	3.81	0.065995284	0	0.045825621	293.37	457.708	457.708	0.012027722	0.045825621	1	1	0.02016966	0.020169663
4	229	0	4.064	0.020169663	0	0.014939698	293.37	457.708	457.708	0.003676107	0.014939698	1	1	0.00522997	0.005229965
4	230	0	4.064	0.005229965	0	0.003873859	293.37	457.708	457.708	0.000953213	0.003873859	1	1	0.00135611	0.001356106
4	231	0	3.048	0.001356106	0	0.000753356	293.37	457.708	457.708	0.000247164	0.000753356	1	1	0.00060275	0.000602751
4	232	0	3.048	0.000602751	0	0.000334845	293.37	457.708	457.708	0.000109857	0.000334845	1	1	0.00026791	0.000267905
4	233	0	4.318	0.000267905	0	0.000210841	293.37	457.708	457.708	4.88284E-05	0.000210841	1	1	5.7064E-05	5.70642E-05
4	234	0	3.81	5.70642E-05	0	3.9626E-05	293.37	457.708	457.708	1.04005E-05	3.9626E-05	1	1	1.7438E-05	1.74382E-05
4	235	0	4.572	1.74382E-05	0	1.45311E-05	293.37	457.708	457.708	3.17829E-06	1.45311E-05	1	1	2.9071E-06	2.90707E-06
4	236	0	4.064	2.90707E-06	0	2.15328E-06	293.37	457.708	457.708	5.29843E-07	2.15328E-06	1	1	7.5379E-07	7.5379E-07
4	237	0	4.318	7.5379E-07	0	5.93232E-07	293.37	457.708	457.708	1.37386E-07	5.93232E-07	1	1	1.6056E-07	1.60558E-07
4	238	0	4.064	1.60558E-07	0	1.18926E-07	293.37	457.708	457.708	2.92634E-08	1.18926E-07	1	1	4.1632E-08	4.1632E-08
4	239	0.254	4.318	4.1632E-08	0	3.27643E-08	293.37	457.962	457.962	7.58785E-09	3.27643E-08	1	1	0.25400001	0.254000009
4	240	0	4.318	0.254000009	0	0.199755018	293.37	457.962	457.962	0.046261005	0.199755018	1	1	0.05424499	0.054244991
4	241	0.254	0.508	0.054244991	0	0.005022277	293.37	458.216	458.216	0.009886371	0.005022277	1	1	0.30322271	0.303222714
4	242	0.508	0.254	0.303222714	0	0.014023132	293.37	458.724	458.724	0.055209183	0.014023132	1	1	0.79719958	0.797199582
4	243	0	3.556	0.797199582	0	0.51307283	293.37	458.724	458.724	0.144283698	0.51307283	1	1	0.28412675	0.284126752
4	244	0	3.302	0.284126752	0	0.170841214	293.37	458.724	458.724	0.051738708	0.170841214	1	1	0.11328554	0.113285538
4	245	0	3.81	0.113285538	0	0.078655512	293.37	458.724	458.724	0.020644491	0.078655512	1	1	0.03463003	0.034630026
4	246	0	4.064	0.034630026	0	0.025650284	293.37	458.724	458.724	0.006311586	0.025650284	1	1	0.00897974	0.008979742
4	247	0	3.81	0.008979742	0	0.006235623	293.37	458.724	458.724	0.001636647	0.006235623	1	1	0.00274412	0.002744119
4	248	0	3.302	0.002744119	0	0.001651473	293.37	458.724	458.724	0.000500143	0.001651473	1	1	0.00109265	0.001092646
4	249	0	3.81	0.001092646	0	0.000758745	293.37	458.724	458.724	0.000199146	0.000758745	1	1	0.0003339	0.000333901
4	250	0	2.286	0.000333901	0	0.000139119	293.37	458.724	458.724	6.08568E-05	0.000139119	1	1	0.00019478	0.000194782
4	251	0	1.778	0.000194782	0	6.31208E-05	293.37	458.724	458.724	3.5501E-05	6.31208E-05	1	1	0.00013166	0.000131662
4	252	0	2.032	0.000131662	0	4.87612E-05	293.37	458.724	458.724	2.39966E-05	4.87612E-05	1	1	8.29E-05	8.29004E-05
4	253	0	3.81	8.29004E-05	0	5.75669E-05	293.37	458.724	458.724	1.51094E-05	5.75669E-05	1	1	2.5333E-05	2.53335E-05
4	254	0	3.81	2.53335E-05	0	1.75918E-05	293.37	458.724	458.724	4.61728E-06	1.75918E-05	1	1	7.7416E-06	7.74164E-06
4	255	0	3.556	7.74164E-06	0	5.01748E-06	293.37	458.724	458.724	1.41099E-06	5.01748E-06	1	1	2.7242E-06	2.72415E-06
4	256	0	2.794	2.72415E-06	0	1.38723E-06	293.37	458.724	458.724	4.96504E-07	1.38723E-06	1	1	1.3369E-06	1.33692E-06
4	257	0	3.048	1.33692E-06	0	7.42697E-07	293.37	458.724	458.724	2.43667E-07	7.42697E-07	1	1	5.9422E-07	5.94223E-07
4	258	0	2.286	5.94223E-07	0	2.47581E-07	293.37	458.724	458.724	1.08303E-07	2.47581E-07	1	1	3.4664E-07	3.46642E-07
4	259	0	2.286	3.46642E-07	0	1.44427E-07	293.37	458.724	458.724	6.3179E-08	1.44427E-07	1	1	2.0221E-07	2.02215E-07
4	260	0	1.778	2.02215E-07	0	6.55294E-08	293.37	458.724	458.724	3.68557E-08	6.55294E-08	1	1	1.3669E-07	1.36685E-07
4	261	0	2.032	1.36685E-07	0	5.06218E-08	293.37	458.724	458.724	2.49123E-08	5.06218E-08	1	1	8.6064E-08	8.60637E-08
4	262	0	1.778	8.60637E-08	0	2.78896E-08	293.37	458.724	458.724	1.5686E-08	2.78896E-08	1	1	5.8174E-08	5.8174E-08
4	263	0	2.032	5.8174E-08	0	2.15449E-08	293.37	458.724	458.724	1.06028E-08	2.15449E-08	1	1	3.6629E-08	3.66291E-08
4	264	0	2.032	3.66291E-08	0	1.35657E-08	293.37	458.724	458.724	6.67603E-09	1.35657E-08	1	1	2.3063E-08	2.30634E-08
4	265	0	3.048	2.30634E-08	0	1.28124E-08	293.37	458.724	458.724	4.20354E-09	1.28124E-08	1	1	1.0251E-08	1.0251E-08
4	266	0.254	1.778	1.0251E-08	0	3.32194E-09	293.37	458.978	458.978	1.86836E-09	3.32194E-09	1	1	0.25400001	0.254000007
4	267	5.334	2.286	0.254000007	0	0.105752656	293.37	464.312	464.312	0.046261004	0.105752656	1	1	5.48224735	5.482247351
4	268	0	3.302	5.482247351	0	2.513666235	293.37	464.312	464.312	0.761255674	2.513666235	1	1	2.96858112	2.968581116
4	269	0	3.556	2.968581116	0	1.755899953	293.37	464.312	464.312	0.493785139	1.755899953	1	1	1.21268116	1.212681163
4	270	0	3.556	1.212681163	0	0.773405716	293.37	464.312	464.312	0.217493171	0.773405716	1	1	0.43927545	0.439275447
4	271	0	3.556	0.439275447	0	0.284094974	293.37	464.312	464.312	0.079891725	0.284094974	1	1	0.15518047	0.155180473
4	272	0	3.556	0.155180473	0	0.100548238	293.37	464.312	464.312	0.028275657	0.100548238	1	1	0.05463223	0.054632234
4	273	0	4.318	0.054632234	0	0.042994081	293.37	464.312	464.312	0.009956943	0.042994081	1	1	0.01163815	0.011638153

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**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
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Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
4	274	0	3.048	0.011638153	0	0.006465317	293.37	464.312	464.312	0.002121167	0.006465317	1	1	0.00517284	0.005172836
4	275	0	2.54	0.005172836	0	0.002394715	293.37	464.312	464.312	0.000942801	0.002394715	1	1	0.00277812	0.002778122
4	276	0	2.032	0.002778122	0	0.001028884	293.37	464.312	464.312	0.000506341	0.001028884	1	1	0.00174924	0.001749238
4	277	0	1.524	0.001749238	0	0.000485876	293.37	464.312	464.312	0.000318816	0.000485876	1	1	0.00126336	0.001263362
4	278	0	1.778	0.001263362	0	0.000409403	293.37	464.312	464.312	0.00023026	0.000409403	1	1	0.00085396	0.000853959
4	279	0	0.508	0.000853959	0	7.90664E-05	293.37	464.312	464.312	0.000155643	7.90664E-05	1	1	0.00077489	0.000774893
4	280	0	2.54	0.000774893	0	0.000358729	293.37	464.312	464.312	0.000141232	0.000358729	1	1	0.00041616	0.000416164
4	281	0	2.286	0.000416164	0	0.000173393	293.37	464.312	464.312	7.585E-05	0.000173393	1	1	0.00024277	0.00024277
4	282	0	2.54	0.00024277	0	0.000112388	293.37	464.312	464.312	4.42474E-05	0.000112388	1	1	0.00013038	0.000130382
4	283	0	3.048	0.000130382	0	7.2431E-05	293.37	464.312	464.312	2.37635E-05	7.2431E-05	1	1	5.7951E-05	5.79512E-05
4	284	0	2.286	5.79512E-05	0	2.41451E-05	293.37	464.312	464.312	1.05622E-05	2.41451E-05	1	1	3.3806E-05	3.3806E-05
4	285	0	3.302	3.3806E-05	0	2.03452E-05	293.37	464.312	464.312	6.16149E-06	2.03452E-05	1	1	1.3461E-05	1.34608E-05
4	286	0	3.81	1.34608E-05	0	9.34732E-06	293.37	464.312	464.312	2.45336E-06	9.34732E-06	1	1	4.1135E-06	4.11347E-06
4	287	0	3.556	4.11347E-06	0	2.66601E-06	293.37	464.312	464.312	7.49722E-07	2.66601E-06	1	1	1.4475E-06	1.44746E-06
4	288	0	2.54	1.44746E-06	0	6.70089E-07	293.37	464.312	464.312	2.63815E-07	6.70089E-07	1	1	7.7737E-07	7.77374E-07
4	289	0	1.524	7.77374E-07	0	2.15927E-07	293.37	464.312	464.312	1.41684E-07	2.15927E-07	1	1	5.6145E-07	5.61447E-07
4	290	0	2.286	5.61447E-07	0	2.33925E-07	293.37	464.312	464.312	1.02329E-07	2.33925E-07	1	1	3.2752E-07	3.27522E-07
4	291	0	2.286	3.27522E-07	0	1.36461E-07	293.37	464.312	464.312	5.96942E-08	1.36461E-07	1	1	1.9106E-07	1.91061E-07
4	292	0	1.27	1.91061E-07	0	4.4225E-08	293.37	464.312	464.312	3.48228E-08	4.4225E-08	1	1	1.4684E-07	1.46836E-07
4	293	0	2.032	1.46836E-07	0	5.43812E-08	293.37	464.312	464.312	2.67624E-08	5.43812E-08	1	1	9.2455E-08	9.24551E-08
4	294	0	1.778	9.24551E-08	0	2.99608E-08	293.37	464.312	464.312	1.68509E-08	2.99608E-08	1	1	6.2494E-08	6.24943E-08
4	295	0	1.778	6.24943E-08	0	2.02518E-08	293.37	464.312	464.312	1.13902E-08	2.02518E-08	1	1	4.2242E-08	4.22425E-08
4	296	0	2.032	4.22425E-08	0	1.56446E-08	293.37	464.312	464.312	7.69912E-09	1.56446E-08	1	1	2.6598E-08	2.65979E-08
4	297	0	2.794	2.65979E-08	0	1.35446E-08	293.37	464.312	464.312	4.84773E-09	1.35446E-08	1	1	1.3053E-08	1.30533E-08
4	298	0	2.794	1.30533E-08	0	6.6472E-09	293.37	464.312	464.312	2.3791E-09	6.6472E-09	1	1	6.4061E-09	6.40612E-09
4	299	0	1.27	6.40612E-09	0	1.48283E-09	293.37	464.312	464.312	1.16758E-09	1.48283E-09	1	1	4.9233E-09	4.92329E-09
4	300	0	1.016	4.92329E-09	0	9.11677E-10	293.37	464.312	464.312	8.97319E-10	9.11677E-10	1	1	4.0116E-09	4.01162E-09
4	301	0	0.254	4.01162E-09	0	1.85714E-10	293.37	464.312	464.312	7.31157E-10	1.85714E-10	1	1	3.8259E-09	3.8259E-09
4	302	0	0.508	3.8259E-09	0	3.54233E-10	293.37	464.312	464.312	6.97309E-10	3.54233E-10	1	1	3.4717E-09	3.47167E-09
4	303	19.304	0	3.47167E-09	0	0	293.37	483.616	483.616	6.32747E-10	0	1	1	19.304	19.304
4	304	0	1.778	19.304	0	1.774876925	293.37	483.616	483.616	0.99824349	1.774876925	1	1	17.5291231	17.52912308
4	305	0.254	2.032	17.52912308	0	2.025189069	293.37	483.87	483.87	0.996648164	2.025189069	1	1	15.757934	15.75793401
4	306	0	1.27	15.75793401	0	1.261893713	293.37	483.87	483.87	0.993617097	1.261893713	1	1	14.4960403	14.4960403
4	307	0	1.27	14.4960403	0	1.257183117	293.37	483.87	483.87	0.989907966	1.257183117	1	1	13.2388572	13.23885718
4	308	0	1.778	13.23885718	0	1.749708121	293.37	483.87	483.87	0.984087807	1.749708121	1	1	11.4891491	11.48914906
4	309	0	1.524	11.48914906	0	1.478434378	293.37	483.87	483.87	0.970101298	1.478434378	1	1	10.0107147	10.01071468
4	310	0.254	1.27	10.01071468	0	1.205598855	293.37	484.124	484.124	0.949290437	1.205598855	1	1	9.05911582	9.059115825
4	311	0	1.778	9.059115825	0	1.651780531	293.37	484.124	484.124	0.929010422	1.651780531	1	1	7.40733529	7.407335294
4	312	0	2.286	7.407335294	0	1.998118788	293.37	484.124	484.124	0.874067711	1.998118788	1	1	5.40921651	5.409216507
4	313	0	2.032	5.409216507	0	1.535382746	293.37	484.124	484.124	0.755601745	1.535382746	1	1	3.87383376	3.873833761
4	314	11.684	1.016	3.873833761	0	0.617921839	293.37	495.808	495.808	0.608190787	0.617921839	1	1	14.9399119	14.93991192
4	315	11.176	0.254	14.93991192	0	0.251817918	293.37	506.984	506.984	0.991409127	0.251817918	1	1	25.864094	25.864094
4	316	25.4	0	25.864094	0	0	293.37	532.384	532.384	0.99983913	0	1	1	51.264094	51.264094
4	317	0	1.016	51.264094	0	1.015999984	293.37	532.384	532.384	0.999999985	1.015999984	1	1	50.248094	50.24809402
4	318	0	1.778	50.24809402	0	1.777999961	293.37	532.384	532.384	0.999999978	1.777999961	1	1	48.4700941	48.47009406
4	319	0.254	1.27	48.47009406	0	1.269999946	293.37	532.638	532.638	0.999999958	1.269999946	1	1	47.4540941	47.45409411
4	320	0	0.508	47.45409411	0	0.507999969	293.37	532.638	532.638	0.999999939	0.507999969	1	1	46.9460941	46.94609414
4	321	0	1.016	46.94609414	0	1.015999925	293.37	532.638	532.638	0.999999926	1.015999925	1	1	45.9300942	45.93009422

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
4	322	0	1.524	45.93009422	0	1.523999837	293.37	532.638	532.638	0.999999893	1.523999837	1	1	44.4060944	44.40609438
4	323	0	0.762	44.40609438	0	0.761999858	293.37	532.638	532.638	0.999999813	0.761999858	1	1	43.6440945	43.64409452
4	324	0	1.016	43.64409452	0	1.01599975	293.37	532.638	532.638	0.999999754	1.01599975	1	1	42.6280948	42.62809477
4	325	5.842	0.254	42.62809477	0	0.253999909	293.37	538.48	538.48	0.999999643	0.253999909	1	1	48.2160949	48.21609487
4	326	7.62	1.016	48.21609487	0	1.015999953	293.37	546.1	546.1	0.999999953	1.015999953	1	1	54.8200949	54.82009491
4	327	0.254	1.016	54.82009491	0	1.015999996	293.37	546.354	546.354	0.999999996	1.015999996	1	1	54.0580949	54.05809492
4	328	25.4	0.508	54.05809492	0	0.507999997	293.37	571.754	571.754	0.999999994	0.507999997	1	1	78.9500949	78.95009492
4	329	0	0.508	78.95009492	0	0.508	293.37	571.754	571.754	1	0.508	1	1	78.4420949	78.44209492
4	330	0	1.27	78.44209492	0	1.27	293.37	571.754	571.754	1	1.27	1	1	77.1720949	77.17209492
4	331	0	1.524	77.17209492	0	1.524	293.37	571.754	571.754	1	1.524	1	1	75.6480949	75.64809492
4	332	48.768	0.508	75.64809492	41.60809492	0.508	334.9780949	620.522	620.522	1	0.508	1	1	123.908095	82.3
4	333	19.812	1.016	82.3	18.796	1.016	353.7740949	640.334	640.334	1	1.016	1	1	101.096	82.3
4	334	0	1.27	82.3	0	1.27	353.7740949	640.334	640.334	1	1.27	1	1	81.03	81.03
4	335	51.308	0	81.03	50.038	0	403.8120949	691.642	691.642	1	0	1	1	132.338	82.3
4	336	29.464	0.508	82.3	28.956	0.508	432.7680949	721.106	721.106	1	0.508	1	1	111.256	82.3
4	337	5.334	0.762	82.3	4.572	0.762	437.3400949	726.44	726.44	1	0.762	1	1	86.872	82.3
4	338	0	1.27	82.3	0	1.27	437.3400949	726.44	726.44	1	1.27	1	1	81.03	81.03
4	339	14.986	0	81.03	13.716	0	451.0560949	741.426	741.426	1	0	1	1	96.016	82.3
4	340	0.254	0.762	82.3	0	0.762	451.0560949	741.68	741.68	1	0.762	1	1	81.792	81.792
4	341	0	1.778	81.792	0	1.778	451.0560949	741.68	741.68	1	1.778	1	1	80.014	80.014
4	342	0	1.524	80.014	0	1.524	451.0560949	741.68	741.68	1	1.524	1	1	78.49	78.49
4	343	0.508	1.016	78.49	0	1.016	451.0560949	742.188	742.188	1	1.016	1	1	77.982	77.982
4	344	0	1.778	77.982	0	1.778	451.0560949	742.188	742.188	1	1.778	1	1	76.204	76.204
4	345	0	1.524	76.204	0	1.524	451.0560949	742.188	742.188	1	1.524	1	1	74.68	74.68
4	346	0	1.27	74.68	0	1.27	451.0560949	742.188	742.188	1	1.27	1	1	73.41	73.41
4	347	6.096	1.016	73.41	0	1.016	451.0560949	748.284	748.284	1	1.016	1	1	78.49	78.49
4	348	16.51	1.27	78.49	11.43	1.27	462.4860949	764.794	764.794	1	1.27	1	1	93.73	82.3
4	349	0	1.524	82.3	0	1.524	462.4860949	764.794	764.794	1	1.524	1	1	80.776	80.776
4	350	0	1.016	80.776	0	1.016	462.4860949	764.794	764.794	1	1.016	1	1	79.76	79.76
4	351	20.574	0	79.76	18.034	0	480.5200949	785.368	785.368	1	0	1	1	100.334	82.3
4	352	0	1.016	82.3	0	1.016	480.5200949	785.368	785.368	1	1.016	1	1	81.284	81.284
4	353	6.096	0.762	81.284	4.318	0.762	484.8380949	791.464	791.464	1	0.762	1	1	86.618	82.3
4	354	18.796	0.254	82.3	18.542	0.254	503.3800949	810.26	810.26	1	0.254	1	1	100.842	82.3
4	355	2.794	1.016	82.3	1.778	1.016	505.1580949	813.054	813.054	1	1.016	1	1	84.078	82.3
4	356	25.4	0	82.3	25.4	0	530.5580949	838.454	838.454	1	0	1	1	107.7	82.3
4	357	2.54	1.27	82.3	1.27	1.27	531.8280949	840.994	840.994	1	1.27	1	1	83.57	82.3
4	358	0	1.016	82.3	0	1.016	531.8280949	840.994	840.994	1	1.016	1	1	81.284	81.284
4	359	0	1.016	81.284	0	1.016	531.8280949	840.994	840.994	1	1.016	1	1	80.268	80.268
4	360	0	0.762	80.268	0	0.762	531.8280949	840.994	840.994	1	0.762	1	1	79.506	79.506
4	361	1.778	0.508	79.506	0	0.508	531.8280949	842.772	842.772	1	0.508	1	1	80.776	80.776
4	362	22.352	0	80.776	20.828	0	552.6560949	865.124	865.124	1	0	1	1	103.128	82.3
4	363	32.004	0	82.3	32.004	0	584.6600949	897.128	897.128	1	0	1	1	114.304	82.3
4	364	29.972	0	82.3	29.972	0	614.6320949	927.1	927.1	1	0	1	1	112.272	82.3
4	365	0.508	0.508	82.3	0	0.508	614.6320949	927.608	927.608	1	0.508	1	1	82.3	82.3
5	1	1.778	0	82.3	1.778	0	1.778	1.778	1.778	1	0	1	1	84.078	82.3
5	2	63.754	0	82.3	63.754	0	65.532	65.532	65.532	1	0	1	1	146.054	82.3
5	3	0.254	1.524	82.3	0	1.524	65.532	65.786	65.786	1	1.524	1	1	81.03	81.03
5	4	0	1.524	81.03	0	1.524	65.532	65.786	65.786	1	1.524	1	1	79.506	79.506

**Appendix E - Table 1  
 COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
 Proposed Target Development Site  
 Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
5	5	0	1.016	79.506	0	1.016	65.532	65.786	65.786	1	1.016	1	1	78.49	78.49
5	6	0	0.762	78.49	0	0.762	65.532	65.786	65.786	1	0.762	1	1	77.728	77.728
5	7	0	0.762	77.728	0	0.762	65.532	65.786	65.786	1	0.762	1	1	76.966	76.966
5	8	0	1.27	76.966	0	1.27	65.532	65.786	65.786	1	1.27	1	1	75.696	75.696
5	9	0	1.27	75.696	0	1.27	65.532	65.786	65.786	1	1.27	1	1	74.426	74.426
5	10	0	1.524	74.426	0	1.524	65.532	65.786	65.786	1	1.524	1	1	72.902	72.902
5	11	0	1.778	72.902	0	1.778	65.532	65.786	65.786	1	1.778	1	1	71.124	71.124
5	12	0	1.524	71.124	0	1.524	65.532	65.786	65.786	1	1.524	1	1	69.6	69.6
5	13	0	1.524	69.6	0	1.524	65.532	65.786	65.786	1	1.524	1	1	68.076	68.076
5	14	0	1.27	68.076	0	1.27	65.532	65.786	65.786	1	1.27	1	1	66.806	66.806
5	15	0	1.778	66.806	0	1.778	65.532	65.786	65.786	1	1.778	1	1	65.028	65.028
5	16	0	1.778	65.028	0	1.778	65.532	65.786	65.786	1	1.778	1	1	63.25	63.25
5	17	0	1.524	63.25	0	1.524	65.532	65.786	65.786	1	1.524	1	1	61.726	61.726
5	18	0	1.524	61.726	0	1.523999999	65.532	65.786	65.786	1	1.523999999	1	1	60.202	60.202
5	19	0	1.524	60.202	0	1.523999999	65.532	65.786	65.786	0.999999999	1.523999999	1	1	58.678	58.678
5	20	0	1.778	58.678	0	1.777999998	65.532	65.786	65.786	0.999999999	1.777999998	1	1	56.9	56.9
5	21	1.524	0.762	56.9	0	0.761999999	65.532	67.31	67.31	0.999999998	0.761999999	1	1	57.662	57.66200001
5	22	0.254	1.524	57.66200001	0	1.523999998	65.532	67.564	67.564	0.999999999	1.523999998	1	1	56.392	56.39200001
5	23	0	1.778	56.39200001	0	1.777999996	65.532	67.564	67.564	0.999999998	1.777999996	1	1	54.614	54.61400001
5	24	0	1.778	54.61400001	0	1.777999992	65.532	67.564	67.564	0.999999995	1.777999992	1	1	52.836	52.83600002
5	25	0	1.524	52.83600002	0	1.523999987	65.532	67.564	67.564	0.999999991	1.523999987	1	1	51.312	51.31200003
5	26	16.51	0	51.31200003	0	0	65.532	84.074	84.074	0.999999985	0	1	1	67.822	67.82200003
5	27	1.27	1.778	67.82200003	0	1.778	65.532	85.344	85.344	1	1.778	1	1	67.314	67.31400003
5	28	8.636	0.762	67.31400003	0	0.762	65.532	93.98	93.98	1	0.762	1	1	75.188	75.18800003
5	29	0.254	1.524	75.18800003	0	1.524	65.532	94.234	94.234	1	1.524	1	1	73.918	73.91800003
5	30	0	1.778	73.91800003	0	1.778	65.532	94.234	94.234	1	1.778	1	1	72.14	72.14000003
5	31	0	1.778	72.14000003	0	1.778	65.532	94.234	94.234	1	1.778	1	1	70.362	70.36200003
5	32	0	2.032	70.36200003	0	2.032	65.532	94.234	94.234	1	2.032	1	1	68.33	68.33000003
5	33	0	2.032	68.33000003	0	2.032	65.532	94.234	94.234	1	2.032	1	1	66.298	66.29800003
5	34	0	2.032	66.29800003	0	2.032	65.532	94.234	94.234	1	2.032	1	1	64.266	64.26600003
5	35	0	2.54	64.26600003	0	2.54	65.532	94.234	94.234	1	2.54	1	1	61.726	61.72600003
5	36	0	2.032	61.72600003	0	2.031999999	65.532	94.234	94.234	1	2.031999999	1	1	59.694	59.69400003
5	37	0	2.032	59.69400003	0	2.031999999	65.532	94.234	94.234	0.999999999	2.031999999	1	1	57.662	57.66200004
5	38	24.638	0.254	57.66200004	0	0.254	65.532	118.872	118.872	0.999999999	0.254	1	1	82.046	82.04600004
5	39	0	2.286	82.04600004	0	2.286	65.532	118.872	118.872	1	2.286	1	1	79.76	79.76000004
5	40	0	2.794	79.76000004	0	2.794	65.532	118.872	118.872	1	2.794	1	1	76.966	76.96600004
5	41	0	3.048	76.96600004	0	3.048	65.532	118.872	118.872	1	3.048	1	1	73.918	73.91800004
5	42	0	2.794	73.91800004	0	2.794	65.532	118.872	118.872	1	2.794	1	1	71.124	71.12400004
5	43	0	2.286	71.12400004	0	2.286	65.532	118.872	118.872	1	2.286	1	1	68.838	68.83800004
5	44	0	0.762	68.83800004	0	0.762	65.532	118.872	118.872	1	0.762	1	1	68.076	68.07600004
5	45	0	0.762	68.07600004	0	0.762	65.532	118.872	118.872	1	0.762	1	1	67.314	67.31400004
5	46	0	1.27	67.31400004	0	1.27	65.532	118.872	118.872	1	1.27	1	1	66.044	66.04400004
5	47	8.382	1.27	66.04400004	0	1.27	65.532	127.254	127.254	1	1.27	1	1	73.156	73.15600004
5	48	14.986	1.524	73.15600004	4.318000037	1.524	69.85000004	142.24	142.24	1	1.524	1	1	86.618	82.3
5	49	0	1.016	82.3	0	1.016	69.85000004	142.24	142.24	1	1.016	1	1	81.284	81.284
5	50	11.43	0.508	81.284	9.906	0.508	79.75600004	153.67	153.67	1	0.508	1	1	92.206	82.3
5	51	0	2.54	82.3	0	2.54	79.75600004	153.67	153.67	1	2.54	1	1	79.76	79.76
5	52	0	3.048	79.76	0	3.048	79.75600004	153.67	153.67	1	3.048	1	1	76.712	76.712



**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
5	53	0	3.048	76.712	0	3.048	79.75600004	153.67	153.67	1	3.048	1	1	73.664	73.664
5	54	0	2.794	73.664	0	2.794	79.75600004	153.67	153.67	1	2.794	1	1	70.87	70.87
5	55	0	2.794	70.87	0	2.794	79.75600004	153.67	153.67	1	2.794	1	1	68.076	68.076
5	56	0	3.302	68.076	0	3.302	79.75600004	153.67	153.67	1	3.302	1	1	64.774	64.774
5	57	0	3.302	64.774	0	3.302	79.75600004	153.67	153.67	1	3.302	1	1	61.472	61.472
5	58	0	3.556	61.472	0	3.555999999	79.75600004	153.67	153.67	1	3.555999999	1	1	57.916	57.916
5	59	0	3.302	57.916	0	3.301999996	79.75600004	153.67	153.67	0.999999999	3.301999996	1	1	54.614	54.61400001
5	60	0	3.556	54.61400001	0	3.555999984	79.75600004	153.67	153.67	0.999999995	3.555999984	1	1	51.058	51.05800002
5	61	0	3.556	51.05800002	0	3.555999941	79.75600004	153.67	153.67	0.999999983	3.555999941	1	1	47.5020001	47.50200008
5	62	0	3.556	47.50200008	0	3.555999785	79.75600004	153.67	153.67	0.99999994	3.555999785	1	1	43.9460003	43.9460003
5	63	0	3.556	43.9460003	0	3.555999215	79.75600004	153.67	153.67	0.999999779	3.555999215	1	1	40.3900011	40.39000108
5	64	0	2.54	40.39000108	0	2.53999795	79.75600004	153.67	153.67	0.999999193	2.53999795	1	1	37.8500031	37.85000313
5	65	23.622	1.016	37.85000313	0	1.01599793	79.75600004	177.292	177.292	0.999997963	1.01599793	1	1	60.4560052	60.4560052
5	66	20.066	1.778	60.4560052	0	1.777999999	79.75600004	197.358	197.358	0.999999999	1.777999999	1	1	78.7440052	78.7440052
5	67	0	3.302	78.7440052	0	3.302	79.75600004	197.358	197.358	1	3.302	1	1	75.4420052	75.4420052
5	68	0	2.54	75.4420052	0	2.54	79.75600004	197.358	197.358	1	2.54	1	1	72.9020052	72.9020052
5	69	13.208	2.032	72.9020052	1.778005202	2.032	81.53400524	210.566	210.566	1	2.032	1	1	84.0780052	82.3
5	70	0	3.556	82.3	0	3.556	81.53400524	210.566	210.566	1	3.556	1	1	78.744	78.744
5	71	0	3.302	78.744	0	3.302	81.53400524	210.566	210.566	1	3.302	1	1	75.442	75.442
5	72	0	3.556	75.442	0	3.556	81.53400524	210.566	210.566	1	3.556	1	1	71.886	71.886
5	73	0	3.81	71.886	0	3.81	81.53400524	210.566	210.566	1	3.81	1	1	68.076	68.076
5	74	0	3.048	68.076	0	3.048	81.53400524	210.566	210.566	1	3.048	1	1	65.028	65.028
5	75	0.254	3.302	65.028	0	3.302	81.53400524	210.82	210.82	1	3.302	1	1	61.98	61.98
5	76	20.574	1.016	61.98	0	1.016	81.53400524	231.394	231.394	1	1.016	1	1	81.538	81.538
5	77	0.254	3.81	81.538	0	3.81	81.53400524	231.648	231.648	1	3.81	1	1	77.982	77.982
5	78	0	3.81	77.982	0	3.81	81.53400524	231.648	231.648	1	3.81	1	1	74.172	74.172
5	79	0	4.064	74.172	0	4.064	81.53400524	231.648	231.648	1	4.064	1	1	70.108	70.108
5	80	0	3.302	70.108	0	3.302	81.53400524	231.648	231.648	1	3.302	1	1	66.806	66.806
5	81	19.304	0.508	66.806	3.302000001	0.508	84.83600524	250.952	250.952	1	0.508	1	1	85.602	82.3
5	82	4.572	2.286	82.3	2.286	2.286	87.12200524	255.524	255.524	1	2.286	1	1	84.586	82.3
5	83	0	3.302	82.3	0	3.302	87.12200524	255.524	255.524	1	3.302	1	1	78.998	78.998
5	84	0	3.048	78.998	0	3.048	87.12200524	255.524	255.524	1	3.048	1	1	75.95	75.95
5	85	0	4.064	75.95	0	4.064	87.12200524	255.524	255.524	1	4.064	1	1	71.886	71.886
5	86	0	4.318	71.886	0	4.318	87.12200524	255.524	255.524	1	4.318	1	1	67.568	67.568
5	87	0	2.54	67.568	0	2.54	87.12200524	255.524	255.524	1	2.54	1	1	65.028	65.028
5	88	0	3.556	65.028	0	3.556	87.12200524	255.524	255.524	1	3.556	1	1	61.472	61.472
5	89	0	3.556	61.472	0	3.555999999	87.12200524	255.524	255.524	1	3.555999999	1	1	57.916	57.916
5	90	0	3.81	57.916	0	3.809999995	87.12200524	255.524	255.524	0.999999999	3.809999995	1	1	54.106	54.10600001
5	91	0	1.524	54.10600001	0	1.523999992	87.12200524	255.524	255.524	0.999999995	1.523999992	1	1	52.582	52.58200002
5	92	0	0.508	52.58200002	0	0.507999995	87.12200524	255.524	255.524	0.999999991	0.507999995	1	1	52.074	52.07400002
5	93	0	0.508	52.07400002	0	0.507999994	87.12200524	255.524	255.524	0.999999989	0.507999994	1	1	51.566	51.56600003
5	94	0	1.27	51.56600003	0	1.269999983	87.12200524	255.524	255.524	0.999999986	1.269999983	1	1	50.296	50.29600004
5	95	0	1.524	50.29600004	0	1.523999967	87.12200524	255.524	255.524	0.999999978	1.523999967	1	1	48.7720001	48.77200008
5	96	0	2.794	48.77200008	0	2.793999894	87.12200524	255.524	255.524	0.999999962	2.793999894	1	1	45.9780002	45.97800018
5	97	0	2.794	45.97800018	0	2.793999706	87.12200524	255.524	255.524	0.999999895	2.793999706	1	1	43.1840005	43.18400048
5	98	0	0.762	43.18400048	0	0.761999778	87.12200524	255.524	255.524	0.999999709	0.761999778	1	1	42.4220007	42.4220007
5	99	0	1.016	42.4220007	0	1.015999609	87.12200524	255.524	255.524	0.999999615	1.015999609	1	1	41.4060011	41.40600109
5	100	0	4.064	41.40600109	0	4.063997735	87.12200524	255.524	255.524	0.999999443	4.063997735	1	1	37.3420034	37.34200335

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
5	101	0	3.556	37.34200335	0	3.555991282	87.12200524	255.524	255.524	0.999997548	3.555991282	1	1	33.7860121	33.78601207
5	102	0	4.318	33.78601207	0	4.317961303	87.12200524	255.524	255.524	0.999991038	4.317961303	1	1	29.4680508	29.46805077
5	103	0	4.826	29.46805077	0	4.825791287	87.12200524	255.524	255.524	0.999956752	4.825791287	1	1	24.6422595	24.64225948
5	104	0	4.826	24.64225948	0	4.82478809	87.12200524	255.524	255.524	0.999748879	4.82478809	1	1	19.8174714	19.81747139
5	105	0	4.064	19.81747139	0	4.058079175	87.12200524	255.524	255.524	0.998543104	4.058079175	1	1	15.7593922	15.75939222
5	106	4.064	3.302	15.75939222	0	3.280934818	87.12200524	259.588	259.588	0.993620478	3.280934818	1	1	16.5424574	16.5424574
5	107	0.762	3.302	16.5424574	0	3.286153147	87.12200524	260.35	260.35	0.995200832	3.286153147	1	1	14.0183043	14.01830425
5	108	0	4.064	14.01830425	0	4.015230798	87.12200524	260.35	260.35	0.987999704	4.015230798	1	1	10.0030735	10.00307345
5	109	0	5.08	10.00307345	0	4.821695162	87.12200524	260.35	260.35	0.949152591	4.821695162	1	1	5.18137829	5.181378292
5	110	0	3.302	5.181378292	0	2.434294436	87.12200524	260.35	260.35	0.737218182	2.434294436	1	1	2.74708386	2.747083856
5	111	0	4.064	2.747083856	0	1.880228212	87.12200524	260.35	260.35	0.46265458	1.880228212	1	1	0.86685564	0.866855644
5	112	0.254	5.588	0.866855644	0	0.866855644	87.12200524	260.604	260.604	0.156691526	0.875592248	1	1	0.254	0.254
5	113	0	3.302	0.254	0	0.152753832	87.12200524	260.604	260.604	0.046261003	0.152753832	1	1	0.10124617	0.101246168
5	114	0	4.572	0.101246168	0	0.084358131	87.12200524	260.604	260.604	0.018451035	0.084358131	1	1	0.01688804	0.016888037
5	115	0	3.302	0.016888037	0	0.01016357	87.12200524	260.604	260.604	0.003078004	0.01016357	1	1	0.00672447	0.006724467
5	116	0	1.016	0.006724467	0	0.00124521	87.12200524	260.604	260.604	0.001225601	0.00124521	1	1	0.00547926	0.005479256
5	117	0.508	2.286	0.005479256	0	0.002282912	87.12200524	261.112	261.112	0.000998649	0.002282912	1	1	0.51119634	0.511196345
5	118	0	4.572	0.511196345	0	0.424747913	87.12200524	261.112	261.112	0.092901993	0.424747913	1	1	0.08644843	0.086448431
5	119	3.556	3.81	0.086448431	0	0.060025748	87.12200524	264.668	264.668	0.015754789	0.060025748	1	1	3.58242268	3.582422683
5	120	0.254	1.524	3.582422683	0	0.874228518	87.12200524	264.922	264.922	0.57364076	0.874228518	1	1	2.96219417	2.962194166
5	121	0	2.54	2.962194166	0	1.251977122	87.12200524	264.922	264.922	0.492904379	1.251977122	1	1	1.71021704	1.710217044
5	122	0	4.064	1.710217044	0	1.227273855	87.12200524	264.922	264.922	0.301986677	1.227273855	1	1	0.48294319	0.482943189
5	123	0	4.064	0.482943189	0	0.356797327	87.12200524	264.922	264.922	0.087794618	0.356797327	1	1	0.12614586	0.126145862
5	124	0	3.81	0.126145862	0	0.087581604	87.12200524	264.922	264.922	0.022987298	0.087581604	1	1	0.03856426	0.038564258
5	125	0	3.81	0.038564258	0	0.026778992	87.12200524	264.922	264.922	0.007028607	0.026778992	1	1	0.01178527	0.011785266
5	126	0	4.826	0.011785266	0	0.010366149	87.12200524	264.922	264.922	0.00214798	0.010366149	1	1	0.00141912	0.001419117
5	127	0	4.826	0.001419117	0	0.001248236	87.12200524	264.922	264.922	0.000258648	0.001248236	1	1	0.00017088	0.00017088
5	128	0	4.826	0.00017088	0	0.000150304	87.12200524	264.922	264.922	3.11446E-05	0.000150304	1	1	2.0576E-05	2.05762E-05
5	129	0	5.08	2.05762E-05	0	1.90511E-05	87.12200524	264.922	264.922	3.75022E-06	1.90511E-05	1	1	1.5251E-06	1.52509E-06
5	130	0	5.08	1.52509E-06	0	1.41205E-06	87.12200524	264.922	264.922	2.77963E-07	1.41205E-06	1	1	1.1304E-07	1.13038E-07
5	131	0	4.826	1.13038E-07	0	9.9427E-08	87.12200524	264.922	264.922	2.06024E-08	9.9427E-08	1	1	1.3611E-08	1.36113E-08
5	132	0	5.334	1.36113E-08	0	1.32326E-08	87.12200524	264.922	264.922	2.4808E-09	1.32326E-08	1	1	3.7873E-10	3.78735E-10
5	133	0	5.334	3.78735E-10	0	3.68197E-10	87.12200524	264.922	264.922	6.90282E-11	3.68197E-10	1	1	1.0538E-11	1.05383E-11
5	134	0	4.826	1.05383E-11	0	9.26923E-12	87.12200524	264.922	264.922	1.92069E-12	9.26923E-12	1	1	1.2691E-12	1.26908E-12
5	135	0	4.064	1.26908E-12	0	9.40064E-13	87.12200524	264.922	264.922	2.31315E-13	9.40064E-13	1	1	3.2901E-13	3.29012E-13
5	136	0.254	5.08	3.29012E-13	0	3.04556E-13	87.12200524	265.176	265.176	5.9952E-14	3.04556E-13	1	1	0.254	0.254
5	137	0	4.826	0.254	0	0.2232556	87.12200524	265.176	265.176	0.046261003	0.2232556	1	1	0.0307444	0.0307444
5	138	0	5.08	0.0307444	0	0.028465355	87.12200524	265.176	265.176	0.005603416	0.028465355	1	1	0.00227904	0.002279044
5	139	7.112	0.254	0.002279044	0	0.000105506	87.12200524	272.288	272.288	0.000415379	0.000105506	1	1	7.11417354	7.114173538
5	140	11.684	3.302	7.114173538	0	2.842536413	87.12200524	283.972	283.972	0.860852942	2.842536413	1	1	15.9556371	15.95563713
5	141	1.016	3.048	15.95563713	0	3.029893629	87.12200524	284.988	284.988	0.99405959	3.029893629	1	1	13.9417435	13.9417435
5	142	0	5.08	13.9417435	0	5.017323869	87.12200524	284.988	284.988	0.987662179	5.017323869	1	1	8.92441963	8.924419627
5	143	0	5.334	8.924419627	0	4.936994835	87.12200524	284.988	284.988	0.925570835	4.936994835	1	1	3.98742479	3.987424792
5	144	0	5.842	3.987424792	0	3.628301825	87.12200524	284.988	284.988	0.621071863	3.628301825	1	1	0.35912297	0.359122967
5	145	0	2.54	0.359122967	0	0.166015539	87.12200524	284.988	284.988	0.065360448	0.166015539	1	1	0.19310743	0.193107428
5	146	0	4.064	0.193107428	0	0.142976555	87.12200524	284.988	284.988	0.035181239	0.142976555	1	1	0.05013087	0.050130873
5	147	0	3.81	0.050130873	0	0.034810446	87.12200524	284.988	284.988	0.0091366	0.034810446	1	1	0.01532043	0.015320427
5	148	0	5.334	0.015320427	0	0.014894097	87.12200524	284.988	284.988	0.002792294	0.014894097	1	1	0.00042633	0.00042633

**Appendix E - Table 1  
 COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
 Proposed Target Development Site  
 Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
5	149	0	5.842	0.00042633	0	0.00042633	87.12200524	284.988	284.988	7.77029E-05	0.000453941	1	1	0	0
5	150	0.254	5.588	0	0	0	87.12200524	285.242	285.242	0	0	1	1	0.254	0.254
5	151	0	4.064	0.254	0	0.188004716	87.12200524	285.242	285.242	0.046261003	0.188004716	1	1	0.06599528	0.065995284
5	152	0	3.81	0.065995284	0	0.045825621	87.12200524	285.242	285.242	0.012027722	0.045825621	1	1	0.02016966	0.020169663
5	153	0	4.064	0.020169663	0	0.014939698	87.12200524	285.242	285.242	0.003676107	0.014939698	1	1	0.00522997	0.005229965
5	154	0	4.572	0.005229965	0	0.004358091	87.12200524	285.242	285.242	0.000953213	0.004358091	1	1	0.00087187	0.000871874
5	155	0	5.588	0.000871874	0	0.000871874	87.12200524	285.242	285.242	0.000158908	0.000887977	1	1	0	0
5	156	0	6.096	0	0	0	87.12200524	285.242	285.242	0	0	1	1	0	0
5	157	0	5.588	0	0	0	87.12200524	285.242	285.242	0	0	1	1	0	0
5	158	0	5.08	0	0	0	87.12200524	285.242	285.242	0	0	1	1	0	0
5	159	0	5.842	0	0	0	87.12200524	285.242	285.242	0	0	1	1	0	0
5	160	0	6.858	0	0	0	87.12200524	285.242	285.242	0	0	1	1	0	0
5	161	0	6.096	0	0	0	87.12200524	285.242	285.242	0	0	1	1	0	0
5	162	0	4.826	0	0	0	87.12200524	285.242	285.242	0	0	1	1	0	0
5	163	0	4.064	0	0	0	87.12200524	285.242	285.242	0	0	1	1	0	0
5	164	0	2.54	0	0	0	87.12200524	285.242	285.242	0	0	1	1	0	0
5	165	0	5.334	0	0	0	87.12200524	285.242	285.242	0	0	1	1	0	0
5	166	0	5.588	0	0	0	87.12200524	285.242	285.242	0	0	1	1	0	0
5	167	0	5.842	0	0	0	87.12200524	285.242	285.242	0	0	1	1	0	0
5	168	0	5.842	0	0	0	87.12200524	285.242	285.242	0	0	1	1	0	0
5	169	0	5.842	0	0	0	87.12200524	285.242	285.242	0	0	1	1	0	0
5	170	0	5.334	0	0	0	87.12200524	285.242	285.242	0	0	1	1	0	0
5	171	0	4.318	0	0	0	87.12200524	285.242	285.242	0	0	1	1	0	0
5	172	0	4.826	0	0	0	87.12200524	285.242	285.242	0	0	1	1	0	0
5	173	0	4.064	0	0	0	87.12200524	285.242	285.242	0	0	1	1	0	0
5	174	0	5.08	0	0	0	87.12200524	285.242	285.242	0	0	1	1	0	0
5	175	1.016	4.318	0	0	0	87.12200524	286.258	286.258	0	0	1	1	1.016	1.016
5	176	0	4.318	1.016	0	0.790575025	87.12200524	286.258	286.258	0.183088241	0.790575025	1	1	0.22542497	0.225424975
5	177	0	2.54	0.225424975	0	0.104299661	87.12200524	286.258	286.258	0.041062859	0.104299661	1	1	0.12112531	0.121125314
5	178	0	4.826	0.121125314	0	0.106522932	87.12200524	286.258	286.258	0.022072717	0.106522932	1	1	0.01460238	0.014602382
5	179	0	4.826	0.014602382	0	0.012844033	87.12200524	286.258	286.258	0.002661424	0.012844033	1	1	0.00175835	0.001758349
5	180	3.556	5.588	0.001758349	0	0.001758349	87.12200524	289.814	289.814	0.000320477	0.001790824	1	1	3.556	3.556
5	181	0	5.842	3.556	0	3.332281122	87.12200524	289.814	289.814	0.57040074	3.332281122	1	1	0.22371888	0.223718878
5	182	1.524	5.08	0.223718878	0	0.207022322	87.12200524	291.338	291.338	0.040752426	0.207022322	1	1	1.54069656	1.540696556
5	183	0.254	3.81	1.540696556	0	1.042614788	87.12200524	291.592	291.592	0.273652175	1.042614788	1	1	0.75208177	0.752081768
5	184	0	4.064	0.752081768	0	0.553607547	87.12200524	291.592	291.592	0.136222329	0.553607547	1	1	0.19847422	0.198474221
5	185	0	4.064	0.198474221	0	0.146946706	87.12200524	291.592	291.592	0.036158146	0.146946706	1	1	0.05152752	0.051527515
5	186	1.27	4.318	0.051527515	0	0.0405509	87.12200524	292.862	292.862	0.00939113	0.0405509	1	1	1.28097662	1.280976616
5	187	0	4.318	1.280976616	0	0.99020059	87.12200524	292.862	292.862	0.229319266	0.99020059	1	1	0.29077603	0.290776026
5	188	0.254	5.588	0.290776026	0	0.290776026	87.12200524	293.116	293.116	0.052947284	0.295869425	1	1	0.254	0.254
5	189	0	5.842	0.254	0	0.254	87.12200524	293.116	293.116	0.046261003	0.270256779	1	1	0	0
5	190	0	5.842	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	191	0	5.334	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	192	0	4.318	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	193	0	4.826	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	194	0	4.572	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	195	0	4.318	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	196	0	3.556	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0

**Appendix E - Table 1  
 COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
 Proposed Target Development Site  
 Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
5	197	0	3.556	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	198	0	3.556	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	199	0	3.81	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	200	0	3.302	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	201	0	2.794	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	202	0	2.286	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	203	0	4.572	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	204	0	5.334	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	205	0	5.334	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	206	0	5.08	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	207	0	4.064	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	208	0	2.286	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	209	0	3.302	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	210	0	4.064	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	211	0	4.318	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	212	0	4.318	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	213	0	4.064	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	214	0	1.778	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	215	0	1.016	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	216	0	4.826	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	217	0	5.334	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	218	0	5.08	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	219	0	4.826	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	220	0	5.842	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	221	0	5.588	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	222	0	5.08	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	223	0	4.318	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	224	0	4.572	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	225	0	3.81	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	226	0	4.064	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	227	0	3.81	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	228	0	2.032	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	229	0	3.048	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	230	0	1.524	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	231	0	3.556	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	232	0	4.064	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	233	0	3.81	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	234	0	2.794	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	235	0	3.556	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	236	0	3.81	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	237	0	3.556	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	238	0	4.064	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	239	0	4.572	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	240	0	0.508	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	241	0	1.778	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	242	0	3.048	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	243	0	3.81	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	244	0	4.572	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0

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**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
5	245	0	4.826	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	246	0	3.556	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	247	0	4.572	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	248	0	4.572	0	0	0	87.12200524	293.116	293.116	0	0	1	1	0	0
5	249	0.254	4.572	0	0	0	87.12200524	293.37	293.37	0	0	1	1	0.254	0.254
5	250	0	4.064	0.254	0	0.188004716	87.12200524	293.37	293.37	0.046261003	0.188004716	1	1	0.06599528	0.065995284
5	251	0.254	4.318	0.065995284	0	0.051935704	87.12200524	293.624	293.624	0.012027722	0.051935704	1	1	0.26805958	0.26805958
5	252	0	5.08	0.26805958	0	0.247993966	87.12200524	293.624	293.624	0.04881771	0.247993966	1	1	0.02006561	0.020065615
5	253	0	5.08	0.020065615	0	0.018578287	87.12200524	293.624	293.624	0.003657143	0.018578287	1	1	0.00148733	0.001487328
5	254	0	3.81	0.001487328	0	0.001032816	87.12200524	293.624	293.624	0.00027108	0.001032816	1	1	0.00045451	0.000454511
5	255	0	2.794	0.000454511	0	0.000231453	87.12200524	293.624	293.624	8.28393E-05	0.000231453	1	1	0.00022306	0.000223059
5	256	0	3.302	0.000223059	0	0.000134242	87.12200524	293.624	293.624	4.06547E-05	0.000134242	1	1	8.8817E-05	8.88169E-05
5	257	0	3.556	8.88169E-05	0	5.75637E-05	87.12200524	293.624	293.624	1.61878E-05	5.75637E-05	1	1	3.1253E-05	3.12532E-05
5	258	0	3.556	3.12532E-05	0	2.02557E-05	87.12200524	293.624	293.624	5.6962E-06	2.02557E-05	1	1	1.0997E-05	1.09975E-05
5	259	0	3.556	1.09975E-05	0	7.12765E-06	87.12200524	293.624	293.624	2.0044E-06	7.12765E-06	1	1	3.8698E-06	3.86983E-06
5	260	0	3.81	3.86983E-06	0	2.68725E-06	87.12200524	293.624	293.624	7.05315E-07	2.68725E-06	1	1	1.1826E-06	1.18258E-06
5	261	0	3.81	1.18258E-06	0	8.21195E-07	87.12200524	293.624	293.624	2.15537E-07	8.21195E-07	1	1	3.6138E-07	3.61383E-07
5	262	0	4.064	3.61383E-07	0	2.67678E-07	87.12200524	293.624	293.624	6.58657E-08	2.67678E-07	1	1	9.3705E-08	9.37049E-08
5	263	0	3.556	9.37049E-08	0	6.07317E-08	87.12200524	293.624	293.624	1.70787E-08	6.07317E-08	1	1	3.2973E-08	3.29732E-08
5	264	0	3.302	3.29732E-08	0	1.9844E-08	87.12200524	293.624	293.624	6.0097E-09	1.9844E-08	1	1	1.3129E-08	1.31292E-08
5	265	0	3.556	1.31292E-08	0	8.50924E-09	87.12200524	293.624	293.624	2.39293E-09	8.50924E-09	1	1	4.6199E-09	4.61994E-09
5	266	0	4.064	4.61994E-09	0	3.42201E-09	87.12200524	293.624	293.624	8.42031E-10	3.42201E-09	1	1	1.1979E-09	1.19793E-09
5	267	0	4.064	1.19793E-09	0	8.87312E-10	87.12200524	293.624	293.624	2.18335E-10	8.87312E-10	1	1	3.1062E-10	3.10617E-10
5	268	0	2.286	3.10617E-10	0	1.29418E-10	87.12200524	293.624	293.624	5.66132E-11	1.29418E-10	1	1	1.812E-10	1.812E-10
5	269	0	0.508	1.812E-10	0	1.67769E-11	87.12200524	293.624	293.624	3.30255E-11	1.67769E-11	1	1	1.6442E-10	1.64423E-10
5	270	0	0.254	1.64423E-10	0	7.61179E-12	87.12200524	293.624	293.624	2.99677E-11	7.61179E-12	1	1	1.5681E-10	1.56811E-10
5	271	0	2.794	1.56811E-10	0	7.98535E-11	87.12200524	293.624	293.624	2.85804E-11	7.98535E-11	1	1	7.6957E-11	7.69575E-11
5	272	0	3.556	7.69575E-11	0	4.98775E-11	87.12200524	293.624	293.624	1.40263E-11	4.98775E-11	1	1	2.708E-11	2.708E-11
5	273	0	2.54	2.708E-11	0	1.25364E-11	87.12200524	293.624	293.624	4.93561E-12	1.25364E-11	1	1	1.4544E-11	1.45436E-11
5	274	0	3.556	1.45436E-11	0	9.42594E-12	87.12200524	293.624	293.624	2.65071E-12	9.42594E-12	1	1	5.1176E-12	5.11763E-12
5	275	0	4.318	5.11763E-12	0	4.02763E-12	87.12200524	293.624	293.624	9.32754E-13	4.02763E-12	1	1	1.09E-12	1.08999E-12
5	276	0	3.556	1.08999E-12	0	7.06486E-13	87.12200524	293.624	293.624	1.98674E-13	7.06486E-13	1	1	3.8351E-13	3.83509E-13
5	277	0	3.302	3.83509E-13	0	2.30772E-13	87.12200524	293.624	293.624	6.98885E-14	2.30772E-13	1	1	1.5274E-13	1.52737E-13
5	278	0	3.81	1.52737E-13	0	1.0596E-13	87.12200524	293.624	293.624	2.78111E-14	1.0596E-13	1	1	4.6776E-14	4.67763E-14
5	279	0	4.064	4.67763E-14	0	3.4742E-14	87.12200524	293.624	293.624	8.54872E-15	3.4742E-14	1	1	1.2034E-14	1.20343E-14
5	280	0	4.064	1.20343E-14	0	9.02389E-15	87.12200524	293.624	293.624	2.22045E-15	9.02389E-15	1	1	3.0104E-15	3.01042E-15
5	281	0	3.81	3.01042E-15	0	2.11497E-15	87.12200524	293.624	293.624	5.55112E-16	2.11497E-15	1	1	8.9545E-16	8.95448E-16
5	282	0	0.762	8.95448E-16	0	1.26898E-16	87.12200524	293.624	293.624	1.66533E-16	1.26898E-16	1	1	7.6855E-16	7.68549E-16
5	283	0	1.27	7.68549E-16	0	2.11497E-16	87.12200524	293.624	293.624	1.66533E-16	2.11497E-16	1	1	5.5705E-16	5.57052E-16
5	284	0	2.794	5.57052E-16	0	3.10196E-16	87.12200524	293.624	293.624	1.11022E-16	3.10196E-16	1	1	2.4686E-16	2.46856E-16
5	285	0	2.794	2.46856E-16	0	1.55098E-16	87.12200524	293.624	293.624	5.55112E-17	1.55098E-16	1	1	9.1757E-17	9.17575E-17
5	286	0	2.794	9.17575E-17	0	0	87.12200524	293.624	293.624	0	0	1	1	9.1757E-17	9.17575E-17
5	287	0	2.286	9.17575E-17	0	0	87.12200524	293.624	293.624	0	0	1	1	9.1757E-17	9.17575E-17
5	288	0	1.524	9.17575E-17	0	0	87.12200524	293.624	293.624	0	0	1	1	9.1757E-17	9.17575E-17
5	289	0	1.778	9.17575E-17	0	0	87.12200524	293.624	293.624	0	0	1	1	9.1757E-17	9.17575E-17
5	290	0	2.286	9.17575E-17	0	0	87.12200524	293.624	293.624	0	0	1	1	9.1757E-17	9.17575E-17
5	291	0	2.032	9.17575E-17	0	0	87.12200524	293.624	293.624	0	0	1	1	9.1757E-17	9.17575E-17
5	292	0	1.778	9.17575E-17	0	0	87.12200524	293.624	293.624	0	0	1	1	9.1757E-17	9.17575E-17

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Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
5	293	0	1.524	9.17575E-17	0	0	87.12200524	293.624	293.624	0	0	1	1	9.1757E-17	9.17575E-17
5	294	0	0.254	9.17575E-17	0	0	87.12200524	293.624	293.624	0	0	1	1	9.1757E-17	9.17575E-17
5	295	0	0.254	9.17575E-17	0	0	87.12200524	293.624	293.624	0	0	1	1	9.1757E-17	9.17575E-17
5	296	0	1.016	9.17575E-17	0	0	87.12200524	293.624	293.624	0	0	1	1	9.1757E-17	9.17575E-17
5	297	0	1.27	9.17575E-17	0	0	87.12200524	293.624	293.624	0	0	1	1	9.1757E-17	9.17575E-17
5	298	0	2.286	9.17575E-17	0	0	87.12200524	293.624	293.624	0	0	1	1	9.1757E-17	9.17575E-17
5	299	0	1.524	9.17575E-17	0	0	87.12200524	293.624	293.624	0	0	1	1	9.1757E-17	9.17575E-17
5	300	0	2.286	9.17575E-17	0	0	87.12200524	293.624	293.624	0	0	1	1	9.1757E-17	9.17575E-17
5	301	0	2.286	9.17575E-17	0	0	87.12200524	293.624	293.624	0	0	1	1	9.1757E-17	9.17575E-17
5	302	0	1.778	9.17575E-17	0	0	87.12200524	293.624	293.624	0	0	1	1	9.1757E-17	9.17575E-17
5	303	0	2.286	9.17575E-17	0	0	87.12200524	293.624	293.624	0	0	1	1	9.1757E-17	9.17575E-17
5	304	0	2.286	9.17575E-17	0	0	87.12200524	293.624	293.624	0	0	1	1	9.1757E-17	9.17575E-17
5	305	0	2.54	9.17575E-17	0	0	87.12200524	293.624	293.624	0	0	1	1	9.1757E-17	9.17575E-17
5	306	0	2.54	9.17575E-17	0	0	87.12200524	293.624	293.624	0	0	1	1	9.1757E-17	9.17575E-17
5	307	0	2.54	9.17575E-17	0	0	87.12200524	293.624	293.624	0	0	1	1	9.1757E-17	9.17575E-17
5	308	0.508	2.286	9.17575E-17	0	0	87.12200524	294.132	294.132	0	0	1	1	0.508	0.508
5	309	0.254	2.032	0.508	0	0.18760323	87.12200524	294.386	294.386	0.092324424	0.18760323	1	1	0.57439677	0.57439677
5	310	0	1.524	0.57439677	0	0.158966575	87.12200524	294.386	294.386	0.104308776	0.158966575	1	1	0.4154302	0.415430195
5	311	38.354	0.254	0.415430195	0	0.019195277	87.12200524	332.74	332.74	0.075571956	0.019195277	1	1	38.7502349	38.75023492
5	312	65.278	1.016	38.75023492	20.71223641	1.015998509	107.8342416	398.018	398.018	0.999998533	1.015998509	1	1	103.012236	82.3
5	313	0.254	2.286	82.3	0	2.286	107.8342416	398.272	398.272	1	2.286	1	1	80.268	80.268
5	314	7.62	1.016	80.268	4.572	1.016	112.4062416	405.892	405.892	1	1.016	1	1	86.872	82.3
5	315	0.254	2.286	82.3	0	2.286	112.4062416	406.146	406.146	1	2.286	1	1	80.268	80.268
5	316	0	2.032	80.268	0	2.032	112.4062416	406.146	406.146	1	2.032	1	1	78.236	78.236
5	317	0	1.778	78.236	0	1.778	112.4062416	406.146	406.146	1	1.778	1	1	76.458	76.458
5	318	0	2.286	76.458	0	2.286	112.4062416	406.146	406.146	1	2.286	1	1	74.172	74.172
5	319	0	2.032	74.172	0	2.032	112.4062416	406.146	406.146	1	2.032	1	1	72.14	72.14
5	320	0	2.032	72.14	0	2.032	112.4062416	406.146	406.146	1	2.032	1	1	70.108	70.108
5	321	0	2.032	70.108	0	2.032	112.4062416	406.146	406.146	1	2.032	1	1	68.076	68.076
5	322	0	1.778	68.076	0	1.778	112.4062416	406.146	406.146	1	1.778	1	1	66.298	66.298
5	323	0	2.286	66.298	0	2.286	112.4062416	406.146	406.146	1	2.286	1	1	64.012	64.012
5	324	0	2.54	64.012	0	2.54	112.4062416	406.146	406.146	1	2.54	1	1	61.472	61.472
5	325	0	1.778	61.472	0	1.777999999	112.4062416	406.146	406.146	1	1.777999999	1	1	59.694	59.694
5	326	0	0.508	59.694	0	0.508	112.4062416	406.146	406.146	0.999999999	0.508	1	1	59.186	59.186
5	327	0	0.508	59.186	0	0.508	112.4062416	406.146	406.146	0.999999999	0.508	1	1	58.678	58.678
5	328	0	1.524	58.678	0	1.523999998	112.4062416	406.146	406.146	0.999999999	1.523999998	1	1	57.154	57.154
5	329	0	1.778	57.154	0	1.777999997	112.4062416	406.146	406.146	0.999999998	1.777999997	1	1	55.376	55.37600001
5	330	0	2.032	55.37600001	0	2.031999993	112.4062416	406.146	406.146	0.999999997	2.031999993	1	1	53.344	53.34400001
5	331	0	2.032	53.34400001	0	2.031999985	112.4062416	406.146	406.146	0.999999993	2.031999985	1	1	51.312	51.31200003
5	332	0	2.286	51.31200003	0	2.285999966	112.4062416	406.146	406.146	0.999999985	2.285999966	1	1	49.0260001	49.02600006
5	333	0	2.032	49.02600006	0	2.03199993	112.4062416	406.146	406.146	0.999999965	2.03199993	1	1	46.9940001	46.99400013
5	334	0	0.508	46.99400013	0	0.507999963	112.4062416	406.146	406.146	0.999999927	0.507999963	1	1	46.4860002	46.48600017
5	335	0	1.524	46.48600017	0	1.523999867	112.4062416	406.146	406.146	0.999999913	1.523999867	1	1	44.9620003	44.9620003
5	336	0	1.778	44.9620003	0	1.777999729	112.4062416	406.146	406.146	0.999999848	1.777999729	1	1	43.1840006	43.18400057
5	337	0	1.524	43.18400057	0	1.523999556	112.4062416	406.146	406.146	0.999999709	1.523999556	1	1	41.660001	41.66000102
5	338	0	1.524	41.66000102	0	1.523999226	112.4062416	406.146	406.146	0.999999492	1.523999226	1	1	40.1360018	40.13600179
5	339	0	1.27	40.13600179	0	1.269998876	112.4062416	406.146	406.146	0.999999115	1.269998876	1	1	38.8660029	38.86600292
5	340	0	0.254	38.86600292	0	0.253999643	112.4062416	406.146	406.146	0.999998593	0.253999643	1	1	38.6120033	38.61200327

**Appendix E - Table 1  
 COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
 Proposed Target Development Site  
 Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
5	341	0	1.524	38.61200327	0	1.523997648	112.4062416	406.146	406.146	0.999998457	1.523997648	1	1	37.0880056	37.08800563
5	342	0	1.524	37.08800563	0	1.523995901	112.4062416	406.146	406.146	0.999997311	1.523995901	1	1	35.5640097	35.56400973
5	343	0	0	35.56400973	0	0	112.4062416	406.146	406.146	0.999995313	0	1	1	35.5640097	35.56400973
5	344	0	0.508	35.56400973	0	0.507997619	112.4062416	406.146	406.146	0.999995313	0.507997619	1	1	35.0560121	35.05601211
5	345	0	1.524	35.05601211	0	1.523991403	112.4062416	406.146	406.146	0.999994359	1.523991403	1	1	33.5320207	33.5320207
5	346	0	1.524	33.5320207	0	1.523985017	112.4062416	406.146	406.146	0.999990169	1.523985017	1	1	32.0080357	32.00803569
5	347	0	0.762	32.00803569	0	0.761986944	112.4062416	406.146	406.146	0.999982866	0.761986944	1	1	31.2460487	31.24604874
5	348	0	1.778	31.24604874	0	1.777959782	112.4062416	406.146	406.146	0.99997738	1.777959782	1	1	29.468089	29.46808896
5	349	0	1.524	29.46808896	0	1.523934092	112.4062416	406.146	406.146	0.999956753	1.523934092	1	1	27.9441549	27.94415487
5	350	0	2.54	27.94415487	0	2.539808559	112.4062416	406.146	406.146	0.99992463	2.539808559	1	1	25.4043463	25.40434631
5	351	1.778	1.778	25.40434631	0	1.777661793	112.4062416	407.924	407.924	0.999809782	1.777661793	1	1	25.4046845	25.40468452
5	352	0	1.524	25.40468452	0	1.523710144	112.4062416	407.924	407.924	0.999809806	1.523710144	1	1	23.8809744	23.88097437
5	353	29.972	1.27	23.88097437	0	1.269579092	112.4062416	437.896	437.896	0.999668576	1.269579092	1	1	52.5833953	52.58339528
5	354	35.052	1.524	52.58339528	3.811395295	1.523999986	116.2176369	472.948	472.948	0.999999991	1.523999986	1	1	86.1113953	82.3
5	355	8.382	1.524	82.3	6.858	1.524	123.0756369	481.33	481.33	1	1.524	1	1	89.158	82.3
5	356	0	1.778	82.3	0	1.778	123.0756369	481.33	481.33	1	1.778	1	1	80.522	80.522
5	357	0.254	1.778	80.522	0	1.778	123.0756369	481.584	481.584	1	1.778	1	1	78.998	78.998
5	358	0	1.016	78.998	0	1.016	123.0756369	481.584	481.584	1	1.016	1	1	77.982	77.982
5	359	0	0.508	77.982	0	0.508	123.0756369	481.584	481.584	1	0.508	1	1	77.474	77.474
5	360	17.78	0.508	77.474	12.446	0.508	135.5216369	499.364	499.364	1	0.508	1	1	94.746	82.3
5	361	5.588	1.524	82.3	4.064	1.524	139.5856369	504.952	504.952	1	1.524	1	1	86.364	82.3
5	362	22.352	1.524	82.3	20.828	1.524	160.4136369	527.304	527.304	1	1.524	1	1	103.128	82.3
5	363	5.08	2.032	82.3	3.048	2.032	163.4616369	532.384	532.384	1	2.032	1	1	85.348	82.3
5	364	1.778	1.016	82.3	0.762	1.016	164.2236369	534.162	534.162	1	1.016	1	1	83.062	82.3
5	365	16.51	1.524	82.3	14.986	1.524	179.2096369	550.672	550.672	1	1.524	1	1	97.286	82.3
6	1	0	1.778	82.3	0	1.778	0	0	0	1	1.778	1	1	80.522	80.522
6	2	0	1.27	80.522	0	1.27	0	0	0	1	1.27	1	1	79.252	79.252
6	3	0	1.524	79.252	0	1.524	0	0	0	1	1.524	1	1	77.728	77.728
6	4	0	1.524	77.728	0	1.524	0	0	0	1	1.524	1	1	76.204	76.204
6	5	0	2.032	76.204	0	2.032	0	0	0	1	2.032	1	1	74.172	74.172
6	6	0	2.286	74.172	0	2.286	0	0	0	1	2.286	1	1	71.886	71.886
6	7	0	2.286	71.886	0	2.286	0	0	0	1	2.286	1	1	69.6	69.6
6	8	0	2.032	69.6	0	2.032	0	0	0	1	2.032	1	1	67.568	67.568
6	9	28.448	0.508	67.568	13.208	0.508	13.208	28.448	28.448	1	0.508	1	1	95.508	82.3
6	10	14.732	0.508	82.3	14.224	0.508	27.432	43.18	43.18	1	0.508	1	1	96.524	82.3
6	11	0	0.762	82.3	0	0.762	27.432	43.18	43.18	1	0.762	1	1	81.538	81.538
6	12	0	0.762	81.538	0	0.762	27.432	43.18	43.18	1	0.762	1	1	80.776	80.776
6	13	0	0.254	80.776	0	0.254	27.432	43.18	43.18	1	0.254	1	1	80.522	80.522
6	14	0	0.762	80.522	0	0.762	27.432	43.18	43.18	1	0.762	1	1	79.76	79.76
6	15	0	1.778	79.76	0	1.778	27.432	43.18	43.18	1	1.778	1	1	77.982	77.982
6	16	0	2.032	77.982	0	2.032	27.432	43.18	43.18	1	2.032	1	1	75.95	75.95
6	17	0	2.032	75.95	0	2.032	27.432	43.18	43.18	1	2.032	1	1	73.918	73.918
6	18	0	1.778	73.918	0	1.778	27.432	43.18	43.18	1	1.778	1	1	72.14	72.14
6	19	0	1.778	72.14	0	1.778	27.432	43.18	43.18	1	1.778	1	1	70.362	70.362
6	20	0	0.508	70.362	0	0.508	27.432	43.18	43.18	1	0.508	1	1	69.854	69.854
6	21	4.572	0.508	69.854	0	0.508	27.432	47.752	47.752	1	0.508	1	1	73.918	73.918
6	22	2.032	0.254	73.918	0	0.254	27.432	49.784	49.784	1	0.254	1	1	75.696	75.696
6	23	0	1.27	75.696	0	1.27	27.432	49.784	49.784	1	1.27	1	1	74.426	74.426

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
6	24	0.254	1.524	74.426	0	1.524	27.432	50.038	50.038	1	1.524	1	1	73.156	73.156
6	25	0	2.032	73.156	0	2.032	27.432	50.038	50.038	1	2.032	1	1	71.124	71.124
6	26	0	1.27	71.124	0	1.27	27.432	50.038	50.038	1	1.27	1	1	69.854	69.854
6	27	0	1.016	69.854	0	1.016	27.432	50.038	50.038	1	1.016	1	1	68.838	68.838
6	28	0	2.032	68.838	0	2.032	27.432	50.038	50.038	1	2.032	1	1	66.806	66.806
6	29	0	1.778	66.806	0	1.778	27.432	50.038	50.038	1	1.778	1	1	65.028	65.028
6	30	0	2.032	65.028	0	2.032	27.432	50.038	50.038	1	2.032	1	1	62.996	62.996
6	31	0	2.032	62.996	0	2.032	27.432	50.038	50.038	1	2.032	1	1	60.964	60.964
6	32	0	2.032	60.964	0	2.031999999	27.432	50.038	50.038	1	2.031999999	1	1	58.932	58.932
6	33	0	2.54	58.932	0	2.539999998	27.432	50.038	50.038	0.999999999	2.539999998	1	1	56.392	56.392
6	34	0	2.54	56.392	0	2.539999994	27.432	50.038	50.038	0.999999998	2.539999994	1	1	53.852	53.85200001
6	35	0	2.794	53.85200001	0	2.793999983	27.432	50.038	50.038	0.999999994	2.793999983	1	1	51.058	51.05800003
6	36	0	2.794	51.05800003	0	2.793999954	27.432	50.038	50.038	0.999999983	2.793999954	1	1	48.2640001	48.26400007
6	37	0	2.286	48.26400007	0	2.285999895	27.432	50.038	50.038	0.999999954	2.285999895	1	1	45.9780002	45.97800018
6	38	0	2.794	45.97800018	0	2.793999706	27.432	50.038	50.038	0.999999895	2.793999706	1	1	43.1840005	43.18400047
6	39	0	2.54	43.18400047	0	2.53999926	27.432	50.038	50.038	0.999999709	2.53999926	1	1	40.6440012	40.64400121
6	40	0	2.794	40.64400121	0	2.793997944	27.432	50.038	50.038	0.999999264	2.793997944	1	1	37.8500033	37.85000327
6	41	0	2.54	37.85000327	0	2.539994826	27.432	50.038	50.038	0.999997963	2.539994826	1	1	35.3100084	35.31000844
6	42	0.508	1.27	35.31000844	0	1.26999347	27.432	50.546	50.546	0.999994858	1.26999347	1	1	34.548015	34.54801497
6	43	7.62	0.762	34.54801497	0	0.761994827	27.432	58.166	58.166	0.999993212	0.761994827	1	1	41.4060201	41.40602015
6	44	2.032	1.27	41.40602015	0	1.26999292	27.432	60.198	60.198	0.99999443	1.26999292	1	1	42.1680209	42.16802085
6	45	0	0.762	42.16802085	0	0.761999678	27.432	60.198	60.198	0.99999578	0.761999678	1	1	41.4060212	41.40602117
6	46	3.81	1.27	41.40602117	0	1.26999292	27.432	64.008	64.008	0.99999443	1.26999292	1	1	43.9460219	43.94602188
6	47	8.128	2.286	43.94602188	0	2.285999495	27.432	72.136	72.136	0.99999779	2.285999495	1	1	49.7880224	49.78802239
6	48	0	1.524	49.78802239	0	1.52399996	27.432	72.136	72.136	0.99999974	1.52399996	1	1	48.2640224	48.26402243
6	49	0	2.54	48.26402243	0	2.539999884	27.432	72.136	72.136	0.99999954	2.539999884	1	1	45.7240225	45.72402254
6	50	2.032	2.032	45.72402254	0	2.031999765	27.432	74.168	74.168	0.99999885	2.031999765	1	1	45.7240228	45.72402278
6	51	0	2.54	45.72402278	0	2.539999707	27.432	74.168	74.168	0.99999885	2.539999707	1	1	43.1840231	43.18402307
6	52	0	2.794	43.18402307	0	2.793999186	27.432	74.168	74.168	0.99999709	2.793999186	1	1	40.3900239	40.39002389
6	53	0	2.794	40.39002389	0	2.793997745	27.432	74.168	74.168	0.999999193	2.793997745	1	1	37.5960261	37.59602614
6	54	0	1.27	37.59602614	0	1.269997162	27.432	74.168	74.168	0.999997765	1.269997162	1	1	36.326029	36.32602898
6	55	14.224	0.508	36.32602898	0	0.507998196	27.432	88.392	88.392	0.999996449	0.507998196	1	1	50.0420308	50.04203078
6	56	2.032	1.778	50.04203078	0	1.777999957	27.432	90.424	90.424	0.99999976	1.777999957	1	1	50.2960308	50.29603083
6	57	6.096	1.524	50.29603083	0	1.523999967	27.432	96.52	96.52	0.99999978	1.523999967	1	1	54.8680309	54.86803086
6	58	1.778	2.032	54.86803086	0	2.031999992	27.432	98.298	98.298	0.99999996	2.031999992	1	1	54.6140309	54.61403087
6	59	0	2.54	54.61403087	0	2.539999989	27.432	98.298	98.298	0.99999995	2.539999989	1	1	52.0740309	52.07403088
6	60	0	2.54	52.07403088	0	2.539999971	27.432	98.298	98.298	0.999999989	2.539999971	1	1	49.5340309	49.53403091
6	61	0	2.794	49.53403091	0	2.79399992	27.432	98.298	98.298	0.999999971	2.79399992	1	1	46.740031	46.74003099
6	62	0	1.27	46.74003099	0	1.269999899	27.432	98.298	98.298	0.99999992	1.269999899	1	1	45.4700311	45.47003109
6	63	0	2.286	45.47003109	0	2.28599971	27.432	98.298	98.298	0.999999873	2.28599971	1	1	43.1840314	43.18403138
6	64	0	3.302	43.18403138	0	3.301999038	27.432	98.298	98.298	0.99999709	3.301999038	1	1	39.8820323	39.88203234
6	65	0	3.048	39.88203234	0	3.04799704	27.432	98.298	98.298	0.99999029	3.04799704	1	1	36.8340353	36.8340353
6	66	0	3.302	36.8340353	0	3.301990258	27.432	98.298	98.298	0.99999705	3.301990258	1	1	33.532045	33.53204504
6	67	0	3.302	33.53204504	0	3.301967538	27.432	98.298	98.298	0.999990169	3.301967538	1	1	30.2300775	30.23007751
6	68	0	3.302	30.23007751	0	3.30189183	27.432	98.298	98.298	0.999967241	3.30189183	1	1	26.9281857	26.92818568
6	69	0	3.048	26.92818568	0	3.047667305	27.432	98.298	98.298	0.999890848	3.047667305	1	1	23.8805184	23.88051837
6	70	0	2.794	23.88051837	0	2.793073848	27.432	98.298	98.298	0.999668521	2.793073848	1	1	21.0874445	21.08744452
6	71	0	3.556	21.08744452	0	3.552738185	27.432	98.298	98.298	0.999082729	3.552738185	1	1	17.5347063	17.53470634



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 COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
 Proposed Target Development Site  
 Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
6	72	1.27	2.032	17.53470634	0	2.025202893	27.432	99.568	99.568	0.996654967	2.025202893	1	1	16.7795034	16.77950344
6	73	15.24	2.286	16.77950344	0	2.275935274	27.432	114.808	114.808	0.995597233	2.275935274	1	1	29.7435682	29.74356817
6	74	13.716	3.556	29.74356817	0	3.555860906	27.432	128.524	128.524	0.999960885	3.555860906	1	1	39.9037073	39.90370726
6	75	9.906	1.778	39.90370726	0	1.777998287	27.432	138.43	138.43	0.999999036	1.777998287	1	1	48.031709	48.03170898
6	76	0	3.81	48.03170898	0	3.80999981	27.432	138.43	138.43	0.99999995	3.80999981	1	1	44.2217092	44.22170917
6	77	0	4.064	44.22170917	0	4.063999189	27.432	138.43	138.43	0.9999998	4.063999189	1	1	40.15771	40.15770998
6	78	0	0.508	40.15770998	0	0.507999554	27.432	138.43	138.43	0.999999122	0.507999554	1	1	39.6497104	39.64971042
6	79	0.254	3.556	39.64971042	0	3.555996241	27.432	138.684	138.684	0.999998943	3.555996241	1	1	36.3477142	36.34771418
6	80	0	3.81	36.34771418	0	3.809986579	27.432	138.684	138.684	0.999996477	3.809986579	1	1	32.5377276	32.5377276
6	81	0	2.54	32.5377276	0	2.539964121	27.432	138.684	138.684	0.999985874	2.539964121	1	1	29.9977635	29.99776348
6	82	0	2.032	29.99776348	0	2.031927552	27.432	138.684	138.684	0.999964346	2.031927552	1	1	27.9658359	27.96583593
6	83	0	3.81	27.96583593	0	3.809715099	27.432	138.684	138.684	0.999925223	3.809715099	1	1	24.1561208	24.15612083
6	84	0	3.81	24.15612083	0	3.80885776	27.432	138.684	138.684	0.999700199	3.80885776	1	1	20.3472631	20.34726307
6	85	0	3.048	20.34726307	0	3.04433876	27.432	138.684	138.684	0.998798806	3.04433876	1	1	17.3029243	17.30292431
6	86	0	4.572	17.30292431	0	4.555360672	27.432	138.684	138.684	0.996360602	4.555360672	1	1	12.7475636	12.74756364
6	87	0	5.08	12.74756364	0	4.983463215	27.432	138.684	138.684	0.980996696	4.983463215	1	1	7.76410043	7.764100426
6	88	0	5.08	7.764100426	0	4.513931135	27.432	138.684	138.684	0.888569121	4.513931135	1	1	3.25016929	3.25016929
6	89	0	5.08	3.25016929	0	2.700539443	27.432	138.684	138.684	0.531602253	2.700539443	1	1	0.54962985	0.549629847
6	90	0	4.318	0.549629847	0	0.43111688	27.432	138.684	138.684	0.099841797	0.43111688	1	1	0.11851297	0.118512968
6	91	0	1.524	0.118512968	0	0.03291355	27.432	138.684	138.684	0.021596818	0.03291355	1	1	0.08559942	0.085599417
6	92	0	3.048	0.085599417	0	0.047549063	27.432	138.684	138.684	0.015600086	0.047549063	1	1	0.03805035	0.038050355
6	93	0	3.302	0.038050355	0	0.022899196	27.432	138.684	138.684	0.006934947	0.022899196	1	1	0.01515116	0.015151158
6	94	0	2.794	0.015151158	0	0.007715473	27.432	138.684	138.684	0.002761443	0.007715473	1	1	0.00743569	0.007435685
6	95	0	3.81	0.007435685	0	0.005163416	27.432	138.684	138.684	0.001355227	0.005163416	1	1	0.00227227	0.002272269
6	96	0	3.302	0.002272269	0	0.001367503	27.432	138.684	138.684	0.000414144	0.001367503	1	1	0.00090477	0.000904766
6	97	0	4.318	0.000904766	0	0.00071205	27.432	138.684	138.684	0.000164903	0.00071205	1	1	0.00019272	0.000192716
6	98	0	4.826	0.000192716	0	0.000169511	27.432	138.684	138.684	3.51245E-05	0.000169511	1	1	2.3206E-05	2.32056E-05
6	99	0	4.318	2.32056E-05	0	1.82628E-05	27.432	138.684	138.684	4.22945E-06	1.82628E-05	1	1	4.9428E-06	4.94282E-06
6	100	0	2.794	4.94282E-06	0	2.51705E-06	27.432	138.684	138.684	9.00878E-07	2.51705E-06	1	1	2.4258E-06	2.42576E-06
6	101	0	4.318	2.42576E-06	0	1.90907E-06	27.432	138.684	138.684	4.4212E-07	1.90907E-06	1	1	5.1669E-07	5.16691E-07
6	102	0	0.254	5.16691E-07	0	2.39197E-08	27.432	138.684	138.684	9.4172E-08	2.39197E-08	1	1	4.9277E-07	4.92771E-07
6	103	0	3.556	4.92771E-07	0	3.19373E-07	27.432	138.684	138.684	8.98124E-08	3.19373E-07	1	1	1.734E-07	1.73398E-07
6	104	0	2.54	1.73398E-07	0	8.02729E-08	27.432	138.684	138.684	3.16035E-08	8.02729E-08	1	1	9.3125E-08	9.3125E-08
6	105	0	3.048	9.3125E-08	0	5.17336E-08	27.432	138.684	138.684	1.6973E-08	5.17336E-08	1	1	4.1391E-08	4.13914E-08
6	106	0	2.286	4.13914E-08	0	1.72456E-08	27.432	138.684	138.684	7.544E-09	1.72456E-08	1	1	2.4146E-08	2.41458E-08
6	107	0	2.286	2.41458E-08	0	1.00603E-08	27.432	138.684	138.684	4.40082E-09	1.00603E-08	1	1	1.4086E-08	1.40855E-08
6	108	0	3.556	1.40855E-08	0	9.12908E-09	27.432	138.684	138.684	2.56723E-09	9.12908E-09	1	1	4.9565E-09	4.95647E-09
6	109	0	4.318	4.95647E-09	0	3.90074E-09	27.432	138.684	138.684	9.03366E-10	3.90074E-09	1	1	1.0557E-09	1.05573E-09
6	110	0	3.048	1.05573E-09	0	5.8649E-10	27.432	138.684	138.684	1.92418E-10	5.8649E-10	1	1	4.6924E-10	4.69244E-10
6	111	0	3.302	4.69244E-10	0	2.82401E-10	27.432	138.684	138.684	8.55244E-11	2.82401E-10	1	1	1.8684E-10	1.86842E-10
6	112	0	4.064	1.86842E-10	0	1.38395E-10	27.432	138.684	138.684	3.40539E-11	1.38395E-10	1	1	4.8447E-11	4.84473E-11
6	113	0	3.302	4.84473E-11	0	2.91566E-11	27.432	138.684	138.684	8.82999E-12	2.91566E-11	1	1	1.9291E-11	1.92907E-11
6	114	0	2.794	1.92907E-11	0	9.82345E-12	27.432	138.684	138.684	3.51591E-12	9.82345E-12	1	1	9.4673E-12	9.46726E-12
6	115	0	1.524	9.46726E-12	0	2.62968E-12	27.432	138.684	138.684	1.72551E-12	2.62968E-12	1	1	6.8376E-12	6.83759E-12
6	116	0	4.064	6.83759E-12	0	5.06466E-12	27.432	138.684	138.684	1.24623E-12	5.06466E-12	1	1	1.7729E-12	1.77293E-12
6	117	0	4.064	1.77293E-12	0	1.3132E-12	27.432	138.684	138.684	3.2313E-13	1.3132E-12	1	1	4.5972E-13	4.59725E-13
6	118	0	3.81	4.59725E-13	0	3.1915E-13	27.432	138.684	138.684	8.37663E-14	3.1915E-13	1	1	1.4058E-13	1.40575E-13
6	119	0	3.556	1.40575E-13	0	9.11977E-14	27.432	138.684	138.684	2.56462E-14	9.11977E-14	1	1	4.9378E-14	4.93776E-14

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
6	120	11.938	4.572	4.93776E-14	0	4.11151E-14	27.432	150.622	150.622	8.99281E-15	4.11151E-14	1	1	11.938	11.938
6	121	0	3.302	11.938	0	3.217985692	27.432	150.622	150.622	0.974556539	3.217985692	1	1	8.72001431	8.720014308
6	122	15.494	1.27	8.720014308	0	1.168455211	27.432	166.116	166.116	0.920043474	1.168455211	1	1	23.0455591	23.0455591
6	123	9.652	2.794	23.0455591	0	2.792744437	27.432	175.768	175.768	0.999550622	2.792744437	1	1	29.9048147	29.90481466
6	124	0.254	2.286	29.90481466	0	2.285915687	27.432	176.022	176.022	0.999963118	2.285915687	1	1	27.872899	27.87289897
6	125	0	4.572	27.87289897	0	4.571646339	27.432	176.022	176.022	0.999922646	4.571646339	1	1	23.3012526	23.30125263
6	126	0.254	3.81	23.30125263	0	3.808440207	27.432	176.276	176.276	0.999590605	3.808440207	1	1	19.7468124	19.74681243
6	127	0.254	3.81	19.74681243	0	3.804304508	27.432	176.53	176.53	0.99850512	3.804304508	1	1	16.1965079	16.19650792
6	128	1.016	3.048	16.19650792	0	3.031411473	27.432	177.546	177.546	0.99455757	3.031411473	1	1	14.1810964	14.18109645
6	129	0	4.826	14.18109645	0	4.771404362	27.432	177.546	177.546	0.988687186	4.771404362	1	1	9.40969208	9.409692084
6	130	0	5.08	9.409692084	0	4.76127794	27.432	177.546	177.546	0.937259437	4.76127794	1	1	4.64841414	4.648414144
6	131	0	5.08	4.648414144	0	3.503241057	27.432	177.546	177.546	0.689614381	3.503241057	1	1	1.14517309	1.145173087
6	132	0	5.334	1.145173087	0	1.097418814	27.432	177.546	177.546	0.20574031	1.097418814	1	1	0.04775427	0.047754273
6	133	0	3.81	0.047754273	0	0.03316024	27.432	177.546	177.546	0.008703475	0.03316024	1	1	0.01459403	0.014594033
6	134	0	2.794	0.014594033	0	0.007431767	27.432	177.546	177.546	0.002659902	0.007431767	1	1	0.00716227	0.007162265
6	135	0.508	4.826	0.007162265	0	0.006299831	27.432	178.054	178.054	0.001305394	0.006299831	1	1	0.50886243	0.508862434
6	136	0	4.318	0.508862434	0	0.399329804	27.432	178.054	178.054	0.092480269	0.399329804	1	1	0.10953263	0.109532631
6	137	0	5.08	0.109532631	0	0.101400703	27.432	178.054	178.054	0.019960768	0.101400703	1	1	0.00813193	0.008131928
6	138	0.508	5.842	0.008131928	0	0.008131928	27.432	178.562	178.562	0.001482124	0.00865857	1	1	0.508	0.508
6	139	0.254	5.842	0.508	0	0.508	27.432	178.816	178.816	0.092324424	0.539359287	1	1	0.254	0.254
6	140	0	6.096	0.254	0	0.254	27.432	178.816	178.816	0.046261003	0.282007074	1	1	0	0
6	141	0	5.588	0	0	0	27.432	178.816	178.816	0	0	1	1	0	0
6	142	0	4.318	0	0	0	27.432	178.816	178.816	0	0	1	1	0	0
6	143	0	3.302	0	0	0	27.432	178.816	178.816	0	0	1	1	0	0
6	144	0	3.556	0	0	0	27.432	178.816	178.816	0	0	1	1	0	0
6	145	0	3.81	0	0	0	27.432	178.816	178.816	0	0	1	1	0	0
6	146	0.254	5.334	0	0	0	27.432	179.07	179.07	0	0	1	1	0.254	0.254
6	147	0	6.096	0.254	0	0.254	27.432	179.07	179.07	0.046261003	0.282007074	1	1	0	0
6	148	0	5.842	0	0	0	27.432	179.07	179.07	0	0	1	1	0	0
6	149	0	3.302	0	0	0	27.432	179.07	179.07	0	0	1	1	0	0
6	150	0	4.572	0	0	0	27.432	179.07	179.07	0	0	1	1	0	0
6	151	0.254	4.064	0	0	0	27.432	179.324	179.324	0	0	1	1	0.254	0.254
6	152	0	5.588	0.254	0	0.254	27.432	179.324	179.324	0.046261003	0.258506485	1	1	0	0
6	153	0	5.842	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	154	0	1.524	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	155	0	1.524	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	156	0	1.27	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	157	0	2.54	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	158	0	4.318	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	159	0	3.556	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	160	0	1.524	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	161	0	1.778	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	162	0	1.016	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	163	0	4.826	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	164	0	5.08	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	165	0	5.334	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	166	0	5.334	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	167	0	5.08	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0

**Appendix E - Table 1  
 COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
 Proposed Target Development Site  
 Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
6	168	0	4.826	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	169	0	1.778	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	170	0	4.064	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	171	0	5.588	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	172	0	5.08	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	173	0	5.08	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	174	0	5.08	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	175	0	5.334	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	176	0	6.35	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	177	0	6.096	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	178	0	5.334	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	179	0	5.588	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	180	0	4.826	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	181	0	4.826	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	182	0	5.08	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	183	0	5.334	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	184	0	5.08	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	185	0	5.334	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	186	0	4.826	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	187	0	4.826	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	188	0	4.826	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	189	0	5.588	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	190	0	5.08	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	191	0	5.334	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	192	0	5.08	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	193	0	5.588	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	194	0	5.842	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	195	0	5.588	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	196	0	4.318	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	197	0	5.334	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	198	0	5.588	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	199	0	4.826	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	200	0	3.556	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	201	0	5.08	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	202	0	4.572	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	203	0	4.572	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	204	0	3.302	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	205	0	4.318	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	206	0	4.064	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	207	0	4.318	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	208	0	4.318	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	209	0	4.064	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	210	0	3.556	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	211	0	3.048	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	212	0	1.27	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	213	0	3.302	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	214	0	4.064	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	215	0	3.81	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0

**Appendix E - Table 1  
 COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
 Proposed Target Development Site  
 Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
6	216	0	5.08	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	217	0	5.334	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	218	0	5.08	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	219	0	5.334	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	220	0	5.334	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	221	0	5.588	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	222	0	5.588	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	223	0	5.588	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	224	0	5.08	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	225	0	4.572	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	226	0	4.826	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	227	0	5.08	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	228	0	4.318	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	229	0	3.81	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	230	0	4.064	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	231	0	2.032	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	232	0	4.064	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	233	0	3.302	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	234	0	3.048	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	235	0	4.826	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	236	0	5.08	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	237	0	4.572	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	238	0	4.064	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	239	0	3.302	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	240	0	3.556	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	241	0	3.302	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	242	0	2.794	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	243	0	3.302	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	244	0	3.81	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	245	0	3.302	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	246	0	2.794	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	247	0	3.048	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	248	0	4.318	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	249	0	4.572	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	250	0	4.064	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	251	0	4.572	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	252	0	2.286	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	253	0	4.064	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	254	0	5.08	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	255	0	5.08	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	256	0	4.318	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	257	0	2.54	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	258	0	2.032	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	259	0	3.81	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	260	0	4.064	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	261	0	4.572	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	262	0	4.318	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	263	0	4.318	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0

**Appendix E - Table 1  
 COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
 Proposed Target Development Site  
 Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
6	264	0	4.826	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	265	0	3.556	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	266	0	2.032	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	267	0	2.54	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	268	0	2.54	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	269	0	2.286	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	270	0	2.286	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	271	0	2.032	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	272	0	3.556	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	273	0	3.302	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	274	0	3.302	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	275	0	2.032	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	276	0	1.778	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	277	0	2.794	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	278	0	3.302	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	279	0	3.302	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	280	0	2.794	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	281	0	2.794	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	282	0	2.794	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	283	0	3.302	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	284	0	3.302	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	285	0	3.302	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	286	0	3.556	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	287	0	3.302	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	288	0	2.794	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	289	0	2.794	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	290	0	3.048	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	291	0	2.794	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	292	0	3.048	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	293	0	3.048	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	294	0	2.794	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	295	0	2.286	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	296	0	2.54	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	297	0	3.556	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	298	0	4.064	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	299	0	3.81	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	300	0	3.81	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	301	0	3.556	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	302	0	0.508	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	303	0	2.286	0	0	0	27.432	179.324	179.324	0	0	1	1	0	0
6	304	2.794	2.032	0	0	0	27.432	182.118	182.118	0	0	1	1	2.794	2.794
6	305	0	2.032	2.794	0	0.953716254	27.432	182.118	182.118	0.46934855	0.953716254	1	1	1.84028375	1.840283746
6	306	0.254	1.778	1.840283746	0	0.574958326	27.432	182.372	182.372	0.323373637	0.574958326	1	1	1.51932542	1.51932542
6	307	4.572	1.524	1.51932542	0	0.411548476	27.432	186.944	186.944	0.270044932	0.411548476	1	1	5.67977694	5.679776944
6	308	0	2.032	5.679776944	0	1.576799541	27.432	186.944	186.944	0.775984026	1.576799541	1	1	4.1029774	4.102977403
6	309	0	1.016	4.102977403	0	0.643981309	27.432	186.944	186.944	0.633839871	0.643981309	1	1	3.45899609	3.458996095
6	310	0.508	1.524	3.458996095	0	0.850929747	27.432	187.452	187.452	0.558352853	0.850929747	1	1	3.11606635	3.116066347
6	311	3.81	0.254	3.116066347	0	0.130515519	27.432	191.262	191.262	0.513840624	0.130515519	1	1	6.79555083	6.795550829

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
6	312	9.144	0.762	6.79550829	0	0.643923236	27.432	200.406	200.406	0.845043617	0.643923236	1	1	15.2956276	15.29562759
6	313	3.81	0.508	15.29562759	0	0.504164562	27.432	204.216	204.216	0.992449926	0.504164562	1	1	18.601463	18.60146303
6	314	0	2.032	18.60146303	0	2.027390212	27.432	204.216	204.216	0.997731404	2.027390212	1	1	16.5740728	16.57407282
6	315	0	2.032	16.57407282	0	2.022359565	27.432	204.216	204.216	0.995255692	2.022359565	1	1	14.5517133	14.55171325
6	316	0	2.032	14.55171325	0	2.011902924	27.432	204.216	204.216	0.990109706	2.011902924	1	1	12.5398103	12.53981033
6	317	0	0.762	12.53981033	0	0.746391945	27.432	204.216	204.216	0.979516988	0.746391945	1	1	11.7934184	11.79341838
6	318	1.27	0.508	11.79341838	0	0.494384626	27.432	205.486	205.486	0.973198082	0.494384626	1	1	12.5690338	12.56903376
6	319	2.032	0.508	12.56903376	0	0.497703768	27.432	207.518	207.518	0.979731826	0.497703768	1	1	14.10333	14.10332999
6	320	0	1.524	14.10332999	0	1.506266433	27.432	207.518	207.518	0.988363801	1.506266433	1	1	12.5970636	12.59706356
6	321	0.254	1.27	12.59706356	0	1.244518457	27.432	207.772	207.772	0.979935793	1.244518457	1	1	11.6065451	11.6065451
6	322	0	1.778	11.6065451	0	1.727035086	27.432	207.772	207.772	0.971335819	1.727035086	1	1	9.87951001	9.879510015
6	323	0	1.524	9.879510015	0	1.443033267	27.432	207.772	207.772	0.946872223	1.443033267	1	1	8.43647675	8.436476747
6	324	0.508	1.27	8.436476747	0	1.157886528	27.432	208.28	208.28	0.911721676	1.157886528	1	1	7.78659022	7.78659022
6	325	0	1.778	7.78659022	0	1.581404047	27.432	208.28	208.28	0.889428598	1.581404047	1	1	6.20518617	6.205186173
6	326	0	1.778	6.205186173	0	1.442574379	27.432	208.28	208.28	0.81134667	1.442574379	1	1	4.76261179	4.762611794
6	327	0	1.778	4.762611794	0	1.245264522	27.432	208.28	208.28	0.700373747	1.245264522	1	1	3.51734727	3.517347272
6	328	0	0.762	3.517347272	0	0.431009212	27.432	208.28	208.28	0.565628887	0.431009212	1	1	3.08633806	3.08633806
6	329	0	1.524	3.08633806	0	0.776998982	27.432	208.28	208.28	0.509841852	0.776998982	1	1	2.30933908	2.309339078
6	330	0	1.524	2.309339078	0	0.606077317	27.432	208.28	208.28	0.397688528	0.606077317	1	1	1.70326176	1.703261761
6	331	0	1.524	1.703261761	0	0.458471279	27.432	208.28	208.28	0.300834173	0.458471279	1	1	1.24479048	1.244790482
6	332	0	1.016	1.244790482	0	0.226630418	27.432	208.28	208.28	0.223061435	0.226630418	1	1	1.01816006	1.018160064
6	333	0	0.508	1.018160064	0	0.093202105	27.432	208.28	208.28	0.18346871	0.093202105	1	1	0.92495796	0.924957959
6	334	19.812	0	0.924957959	0	0	27.432	228.092	228.092	0.167003757	0	1	1	20.736958	20.73695796
6	335	6.096	0	20.73695796	0	0	27.432	234.188	234.188	0.998957789	0	1	1	26.832958	26.83295796
6	336	0.508	1.27	26.83295796	0	1.269856481	27.432	234.696	234.696	0.999886993	1.269856481	1	1	26.0711015	26.07110148
6	337	0	1.524	26.07110148	0	1.523772652	27.432	234.696	234.696	0.999850821	1.523772652	1	1	24.5473288	24.54732883
6	338	0	0.508	24.54732883	0	0.507867939	27.432	234.696	234.696	0.999740038	0.507867939	1	1	24.0394609	24.03946089
6	339	7.874	0.254	24.03946089	0	0.253920543	27.432	242.57	242.57	0.999687178	0.253920543	1	1	31.6595403	31.65954034
6	340	13.97	0	31.65954034	0	0	27.432	256.54	256.54	0.999980545	0	1	1	45.6295403	45.62954034
6	341	2.54	1.27	45.62954034	0	1.269999848	27.432	259.08	259.08	0.99999988	1.269999848	1	1	46.8995405	46.8995405
6	342	0	1.524	46.8995405	0	1.523999885	27.432	259.08	259.08	0.999999925	1.523999885	1	1	45.3755406	45.37554061
6	343	0.254	0.508	45.37554061	0	0.507999933	27.432	259.334	259.334	0.999999869	0.507999933	1	1	45.1215407	45.12154068
6	344	26.416	1.016	45.12154068	0	1.015999854	27.432	285.75	285.75	0.999999856	1.015999854	1	1	70.5215408	70.52154082
6	345	0.254	1.524	70.52154082	0	1.524	27.432	286.004	286.004	1	1.524	1	1	69.2515408	69.25154082
6	346	2.54	0.762	69.25154082	0	0.762	27.432	288.544	288.544	1	0.762	1	1	71.0295408	71.02954082
6	347	2.286	0.762	71.02954082	0	0.762	27.432	290.83	290.83	1	0.762	1	1	72.5535408	72.55354082
6	348	7.112	1.524	72.55354082	0	1.524	27.432	297.942	297.942	1	1.524	1	1	78.1415408	78.14154082
6	349	0	1.524	78.14154082	0	1.524	27.432	297.942	297.942	1	1.524	1	1	76.6175408	76.61754082
6	350	0	1.524	76.61754082	0	1.524	27.432	297.942	297.942	1	1.524	1	1	75.0935408	75.09354082
6	351	0	1.27	75.09354082	0	1.27	27.432	297.942	297.942	1	1.27	1	1	73.8235408	73.82354082
6	352	0	1.524	73.82354082	0	1.524	27.432	297.942	297.942	1	1.524	1	1	72.2995408	72.29954082
6	353	20.574	0.508	72.29954082	10.06554082	0.508	37.49754082	318.516	318.516	1	0.508	1	1	92.3655408	82.3
6	354	13.208	0	82.3	13.208	0	50.70554082	331.724	331.724	1	0	1	1	95.508	82.3
6	355	2.794	1.524	82.3	1.27	1.524	51.97554082	334.518	334.518	1	1.524	1	1	83.57	82.3
6	356	0.254	0.762	82.3	0	0.762	51.97554082	334.772	334.772	1	0.762	1	1	81.792	81.792
6	357	25.146	0	81.792	24.638	0	76.61354082	359.918	359.918	1	0	1	1	106.938	82.3
6	358	23.114	0.254	82.3	22.86	0.254	99.47354082	383.032	383.032	1	0.254	1	1	105.16	82.3
6	359	12.954	0.254	82.3	12.7	0.254	112.1735408	395.986	395.986	1	0.254	1	1	95	82.3

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
6	360	1.016	0.762	82.3	0.254	0.762	112.4275408	397.002	397.002	1	0.762	1	1	82.554	82.3
6	361	0	1.27	82.3	0	1.27	112.4275408	397.002	397.002	1	1.27	1	1	81.03	81.03
6	362	0	1.016	81.03	0	1.016	112.4275408	397.002	397.002	1	1.016	1	1	80.014	80.014
6	363	68.326	0	80.014	66.04	0	178.4675408	465.328	465.328	1	0	1	1	148.34	82.3
6	364	0.254	0.762	82.3	0	0.762	178.4675408	465.582	465.582	1	0.762	1	1	81.792	81.792
6	365	0	0.762	81.792	0	0.762	178.4675408	465.582	465.582	1	0.762	1	1	81.03	81.03
7	1	47.498	0	82.3	47.498	0	47.498	47.498	47.498	1	0	1	1	129.798	82.3
7	2	3.302	0.762	82.3	2.54	0.762	50.038	50.8	50.8	1	0.762	1	1	84.84	82.3
7	3	0.254	1.27	82.3	0	1.27	50.038	51.054	51.054	1	1.27	1	1	81.284	81.284
7	4	0	1.27	81.284	0	1.27	50.038	51.054	51.054	1	1.27	1	1	80.014	80.014
7	5	0	1.524	80.014	0	1.524	50.038	51.054	51.054	1	1.524	1	1	78.49	78.49
7	6	0.762	0.762	78.49	0	0.762	50.038	51.816	51.816	1	0.762	1	1	78.49	78.49
7	7	1.016	0.762	78.49	0	0.762	50.038	52.832	52.832	1	0.762	1	1	78.744	78.744
7	8	0	1.524	78.744	0	1.524	50.038	52.832	52.832	1	1.524	1	1	77.22	77.22
7	9	3.048	0.508	77.22	0	0.508	50.038	55.88	55.88	1	0.508	1	1	79.76	79.76
7	10	0	1.524	79.76	0	1.524	50.038	55.88	55.88	1	1.524	1	1	78.236	78.236
7	11	0	1.524	78.236	0	1.524	50.038	55.88	55.88	1	1.524	1	1	76.712	76.712
7	12	0	1.27	76.712	0	1.27	50.038	55.88	55.88	1	1.27	1	1	75.442	75.442
7	13	0	1.524	75.442	0	1.524	50.038	55.88	55.88	1	1.524	1	1	73.918	73.918
7	14	1.524	0.254	73.918	0	0.254	50.038	57.404	57.404	1	0.254	1	1	75.188	75.188
7	15	0	1.016	75.188	0	1.016	50.038	57.404	57.404	1	1.016	1	1	74.172	74.172
7	16	0	0.762	74.172	0	0.762	50.038	57.404	57.404	1	0.762	1	1	73.41	73.41
7	17	0	1.524	73.41	0	1.524	50.038	57.404	57.404	1	1.524	1	1	71.886	71.886
7	18	0	1.524	71.886	0	1.524	50.038	57.404	57.404	1	1.524	1	1	70.362	70.362
7	19	0	0.254	70.362	0	0.254	50.038	57.404	57.404	1	0.254	1	1	70.108	70.108
7	20	0.508	1.524	70.108	0	1.524	50.038	57.912	57.912	1	1.524	1	1	69.092	69.092
7	21	0	1.778	69.092	0	1.778	50.038	57.912	57.912	1	1.778	1	1	67.314	67.314
7	22	0	1.778	67.314	0	1.778	50.038	57.912	57.912	1	1.778	1	1	65.536	65.536
7	23	0.254	1.778	65.536	0	1.778	50.038	58.166	58.166	1	1.778	1	1	64.012	64.012
7	24	9.398	0.762	64.012	0	0.762	50.038	67.564	67.564	1	0.762	1	1	72.648	72.648
7	25	0	1.778	72.648	0	1.778	50.038	67.564	67.564	1	1.778	1	1	70.87	70.87
7	26	1.27	1.016	70.87	0	1.016	50.038	68.834	68.834	1	1.016	1	1	71.124	71.124
7	27	12.446	0.254	71.124	1.016	0.254	51.054	81.28	81.28	1	0.254	1	1	83.316	82.3
7	28	0.254	1.778	82.3	0	1.778	51.054	81.534	81.534	1	1.778	1	1	80.776	80.776
7	29	0	1.524	80.776	0	1.524	51.054	81.534	81.534	1	1.524	1	1	79.252	79.252
7	30	0.508	1.016	79.252	0	1.016	51.054	82.042	82.042	1	1.016	1	1	78.744	78.744
7	31	0	2.032	78.744	0	2.032	51.054	82.042	82.042	1	2.032	1	1	76.712	76.712
7	32	2.794	0.508	76.712	0	0.508	51.054	84.836	84.836	1	0.508	1	1	78.998	78.998
7	33	26.67	0.508	78.998	22.86	0.508	73.914	111.506	111.506	1	0.508	1	1	105.16	82.3
7	34	4.318	0.762	82.3	3.556	0.762	77.47	115.824	115.824	1	0.762	1	1	85.856	82.3
7	35	0.254	1.778	82.3	0	1.778	77.47	116.078	116.078	1	1.778	1	1	80.776	80.776
7	36	0	1.778	80.776	0	1.778	77.47	116.078	116.078	1	1.778	1	1	78.998	78.998
7	37	0.254	1.778	78.998	0	1.778	77.47	116.332	116.332	1	1.778	1	1	77.474	77.474
7	38	0	2.286	77.474	0	2.286	77.47	116.332	116.332	1	2.286	1	1	75.188	75.188
7	39	0	2.286	75.188	0	2.286	77.47	116.332	116.332	1	2.286	1	1	72.902	72.902
7	40	0	2.794	72.902	0	2.794	77.47	116.332	116.332	1	2.794	1	1	70.108	70.108
7	41	0	2.54	70.108	0	2.54	77.47	116.332	116.332	1	2.54	1	1	67.568	67.568
7	42	0	2.54	67.568	0	2.54	77.47	116.332	116.332	1	2.54	1	1	65.028	65.028

**Appendix E - Table 1  
 COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
 Proposed Target Development Site  
 Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
7	43	0	2.54	65.028	0	2.54	77.47	116.332	116.332	1	2.54	1	1	62.488	62.488
7	44	0	1.27	62.488	0	1.27	77.47	116.332	116.332	1	1.27	1	1	61.218	61.218
7	45	0	2.032	61.218	0	2.031999999	77.47	116.332	116.332	1	2.031999999	1	1	59.186	59.186
7	46	0	1.524	59.186	0	1.523999999	77.47	116.332	116.332	0.999999999	1.523999999	1	1	57.662	57.662
7	47	20.32	0.254	57.662	0	0.254	77.47	136.652	136.652	0.999999999	0.254	1	1	77.728	77.728
7	48	18.796	0.508	77.728	13.716	0.508	91.186	155.448	155.448	1	0.508	1	1	96.016	82.3
7	49	8.382	2.286	82.3	6.096	2.286	97.282	163.83	163.83	1	2.286	1	1	88.396	82.3
7	50	1.27	1.27	82.3	0	1.27	97.282	165.1	165.1	1	1.27	1	1	82.3	82.3
7	51	0.508	2.032	82.3	0	2.032	97.282	165.608	165.608	1	2.032	1	1	80.776	80.776
7	52	1.27	1.778	80.776	0	1.778	97.282	166.878	166.878	1	1.778	1	1	80.268	80.268
7	53	4.064	1.016	80.268	1.016	1.016	98.298	170.942	170.942	1	1.016	1	1	83.316	82.3
7	54	0.254	2.286	82.3	0	2.286	98.298	171.196	171.196	1	2.286	1	1	80.268	80.268
7	55	19.05	1.778	80.268	15.24	1.778	113.538	190.246	190.246	1	1.778	1	1	97.54	82.3
7	56	26.924	0.508	82.3	26.416	0.508	139.954	217.17	217.17	1	0.508	1	1	108.716	82.3
7	57	9.652	1.524	82.3	8.128	1.524	148.082	226.822	226.822	1	1.524	1	1	90.428	82.3
7	58	4.318	1.524	82.3	2.794	1.524	150.876	231.14	231.14	1	1.524	1	1	85.094	82.3
7	59	0	2.54	82.3	0	2.54	150.876	231.14	231.14	1	2.54	1	1	79.76	79.76
7	60	0	2.032	79.76	0	2.032	150.876	231.14	231.14	1	2.032	1	1	77.728	77.728
7	61	18.542	1.27	77.728	12.7	1.27	163.576	249.682	249.682	1	1.27	1	1	95	82.3
7	62	0	3.556	82.3	0	3.556	163.576	249.682	249.682	1	3.556	1	1	78.744	78.744
7	63	0	2.032	78.744	0	2.032	163.576	249.682	249.682	1	2.032	1	1	76.712	76.712
7	64	0	3.302	76.712	0	3.302	163.576	249.682	249.682	1	3.302	1	1	73.41	73.41
7	65	0	2.794	73.41	0	2.794	163.576	249.682	249.682	1	2.794	1	1	70.616	70.616
7	66	0	3.302	70.616	0	3.302	163.576	249.682	249.682	1	3.302	1	1	67.314	67.314
7	67	0	4.064	67.314	0	4.064	163.576	249.682	249.682	1	4.064	1	1	63.25	63.25
7	68	0	4.318	63.25	0	4.317999999	163.576	249.682	249.682	1	4.317999999	1	1	58.932	58.932
7	69	0	3.81	58.932	0	3.809999996	163.576	249.682	249.682	0.999999999	3.809999996	1	1	55.122	55.122
7	70	0	4.572	55.122	0	4.571999983	163.576	249.682	249.682	0.999999996	4.571999983	1	1	50.55	50.55000002
7	71	0	4.064	50.55000002	0	4.063999919	163.576	249.682	249.682	0.999999998	4.063999919	1	1	46.4860001	46.4860001
7	72	0.508	3.048	46.4860001	0	3.047999733	163.576	250.19	250.19	0.999999913	3.047999733	1	1	43.9460004	43.94600037
7	73	0	3.302	43.94600037	0	3.301999271	163.576	250.19	250.19	0.999999779	3.301999271	1	1	40.6440011	40.6440011
7	74	0	4.064	40.6440011	0	4.06399701	163.576	250.19	250.19	0.999999264	4.06399701	1	1	36.5800041	36.58000409
7	75	0	4.572	36.58000409	0	4.571985202	163.576	250.19	250.19	0.999996763	4.571985202	1	1	32.0080189	32.00801889
7	76	0	4.572	32.00801889	0	4.571921662	163.576	250.19	250.19	0.999982866	4.571921662	1	1	27.4360972	27.43609722
7	77	0	4.826	27.43609722	0	4.825562261	163.576	250.19	250.19	0.999909296	4.825562261	1	1	22.610535	22.61053496
7	78	0	4.318	22.61053496	0	4.315726232	163.576	250.19	250.19	0.999473421	4.315726232	1	1	18.2948087	18.29480873
7	79	0	3.81	18.29480873	0	3.800335707	163.576	250.19	250.19	0.99746344	3.800335707	1	1	14.494473	14.49447302
7	80	0	2.794	14.49447302	0	2.765786826	163.576	250.19	250.19	0.989902228	2.765786826	1	1	11.7286862	11.7286862
7	81	0	2.794	11.7286862	0	2.717351965	163.576	250.19	250.19	0.972566916	2.717351965	1	1	9.01133423	9.011334233
7	82	0	3.556	9.011334233	0	3.299285828	163.576	250.19	250.19	0.927808163	3.299285828	1	1	5.71204841	5.712048405
7	83	0	4.064	5.712048405	0	3.163065793	163.576	250.19	250.19	0.778313433	3.163065793	1	1	2.54898261	2.548982612
7	84	0	3.81	2.548982612	0	1.652807534	163.576	250.19	250.19	0.433807752	1.652807534	1	1	0.89617508	0.896175079
7	85	15.494	1.016	0.896175079	0	0.16449007	163.576	265.684	265.684	0.161899675	0.16449007	1	1	16.225685	16.22568501
7	86	0.254	3.048	16.22568501	0	3.031586495	163.576	265.938	265.938	0.994614992	3.031586495	1	1	13.4480985	13.44809851
7	87	0	3.81	13.44809851	0	3.753793824	163.576	265.938	265.938	0.985247723	3.753793824	1	1	9.69430469	9.69430469
7	88	0	4.826	9.69430469	0	4.552206173	163.576	265.938	265.938	0.943266924	4.552206173	1	1	5.14209852	5.142098517
7	89	0	4.318	5.142098517	0	3.16912134	163.576	265.938	265.938	0.733932686	3.16912134	1	1	1.97297718	1.972977177
7	90	0	1.778	1.972977177	0	0.613155983	163.576	265.938	265.938	0.344857133	0.613155983	1	1	1.35982119	1.359821194



**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
7	91	0	4.064	1.359821194	0	0.987097406	163.576	265.938	265.938	0.242888141	0.987097406	1	1	0.37272379	0.372723789
7	92	0	4.826	0.372723789	0	0.327339568	163.576	265.938	265.938	0.06782834	0.327339568	1	1	0.04538422	0.045384221
7	93	0.762	4.826	0.045384221	0	0.039918455	163.576	266.7	266.7	0.008271541	0.039918455	1	1	0.76746577	0.767465766
7	94	0.762	4.318	0.767465766	0	0.600085971	163.576	267.462	267.462	0.138973129	0.600085971	1	1	0.9293798	0.929379795
7	95	0	3.048	0.929379795	0	0.511415075	163.576	267.462	267.462	0.167787098	0.511415075	1	1	0.41796472	0.41796472
7	96	0	4.064	0.41796472	0	0.308990975	163.576	267.462	267.462	0.076031244	0.308990975	1	1	0.10897374	0.108973745
7	97	0	4.064	0.108973745	0	0.080706757	163.576	267.462	267.462	0.019858946	0.080706757	1	1	0.02826699	0.028266988
7	98	0	4.064	0.028266988	0	0.020937307	163.576	267.462	267.462	0.005151896	0.020937307	1	1	0.00732968	0.007329681
7	99	0	3.302	0.007329681	0	0.004411165	163.576	267.462	267.462	0.001335907	0.004411165	1	1	0.00291852	0.002918516
7	100	0	3.302	0.002918516	0	0.001756429	163.576	267.462	267.462	0.000531929	0.001756429	1	1	0.00116209	0.001162087
7	101	0	3.048	0.001162087	0	0.000645573	163.576	267.462	267.462	0.000211802	0.000645573	1	1	0.00051651	0.000516515
7	102	0.254	1.778	0.000516515	0	0.000167381	163.576	267.716	267.716	9.414E-05	0.000167381	1	1	0.25434913	0.254349134
7	103	0	3.556	0.254349134	0	0.164729921	163.576	267.716	267.716	0.0463245	0.164729921	1	1	0.08961921	0.089619213
7	104	0.762	4.064	0.089619213	0	0.066375473	163.576	268.478	268.478	0.016332547	0.066375473	1	1	0.78524374	0.78524374
7	105	0	4.064	0.78524374	0	0.577694843	163.576	268.478	268.478	0.142149322	0.577694843	1	1	0.2075489	0.207548897
7	106	0	4.064	0.207548897	0	0.153659166	163.576	268.478	268.478	0.037809834	0.153659166	1	1	0.05388973	0.053889731
7	107	0	4.064	0.053889731	0	0.039915096	163.576	268.478	268.478	0.009821628	0.039915096	1	1	0.01397464	0.013974635
7	108	1.778	3.048	0.013974635	0	0.007763292	163.576	270.256	270.256	0.002547012	0.007763292	1	1	1.78421134	1.784211343
7	109	1.016	2.794	1.784211343	0	0.877853963	163.576	271.272	271.272	0.314192542	0.877853963	1	1	1.92235738	1.92235738
7	110	3.556	3.81	1.92235738	0	1.282837156	163.576	274.828	274.828	0.336702666	1.282837156	1	1	4.19552022	4.195520223
7	111	13.208	2.794	4.195520223	0	1.798840749	163.576	288.036	288.036	0.643822745	1.798840749	1	1	15.6046795	15.60467947
7	112	0	3.81	15.60467947	0	3.784288632	163.576	288.036	288.036	0.993251609	3.784288632	1	1	11.8203908	11.82039084
7	113	0	5.334	11.82039084	0	5.192418716	163.576	288.036	288.036	0.973456827	5.192418716	1	1	6.62797213	6.627972127
7	114	0	5.08	6.627972127	0	4.247300988	163.576	288.036	288.036	0.836082872	4.247300988	1	1	2.38067114	2.380671139
7	115	0.254	5.334	2.380671139	0	2.179346614	163.576	288.29	288.29	0.408576418	2.179346614	1	1	0.45532453	0.455324525
7	116	0.254	5.842	0.455324525	0	0.455324525	163.576	288.544	288.544	0.082797473	0.483702838	1	1	0.254	0.254
7	117	0.508	5.842	0.254	0	0.254	163.576	289.052	289.052	0.046261003	0.270256779	1	1	0.508	0.508
7	118	0.254	5.842	0.508	0	0.508	163.576	289.306	289.306	0.092324424	0.539359287	1	1	0.254	0.254
7	119	0	4.826	0.254	0	0.2232556	163.576	289.306	289.306	0.046261003	0.2232556	1	1	0.0307444	0.0307444
7	120	0	4.572	0.0307444	0	0.02561882	163.576	289.306	289.306	0.005603416	0.02561882	1	1	0.00512558	0.00512558
7	121	0	4.064	0.00512558	0	0.00379654	163.576	289.306	289.306	0.000934188	0.00379654	1	1	0.00132904	0.00132904
7	122	0.254	5.334	0.00132904	0	0.001292059	163.576	289.56	289.56	0.000242231	0.001292059	1	1	0.25403698	0.254036981
7	123	0.508	5.842	0.254036981	0	0.254036981	163.576	290.068	290.068	0.046267729	0.270296071	1	1	0.508	0.508
7	124	0.254	5.334	0.508	0	0.492458479	163.576	290.322	290.322	0.092324424	0.492458479	1	1	0.26954152	0.269541521
7	125	0.254	5.08	0.269541521	0	0.249362778	163.576	290.576	290.576	0.049087161	0.249362778	1	1	0.27417874	0.274178743
7	126	0	5.08	0.274178743	0	0.253645769	163.576	290.576	290.576	0.04993027	0.253645769	1	1	0.02053297	0.020532973
7	127	0.254	4.064	0.020532973	0	0.0152088	163.576	290.83	290.83	0.003742323	0.0152088	1	1	0.25932417	0.259324174
7	128	1.016	5.08	0.259324174	0	0.239924674	163.576	291.846	291.846	0.047229267	0.239924674	1	1	1.0353995	1.0353995
7	129	0.508	5.334	1.0353995	0	0.994808316	163.576	292.354	292.354	0.186503246	0.994808316	1	1	0.54859118	0.548591184
7	130	0	5.334	0.548591184	0	0.531556429	163.576	292.354	292.354	0.099654374	0.531556429	1	1	0.01703475	0.017034754
7	131	0	5.334	0.017034754	0	0.016560708	163.576	292.354	292.354	0.003104745	0.016560708	1	1	0.00047405	0.000474046
7	132	0.254	5.08	0.000474046	0	0.00043891	163.576	292.608	292.608	8.63996E-05	0.00043891	1	1	0.25403514	0.254035136
7	133	0	5.334	0.254035136	0	0.246790275	163.576	292.608	292.608	0.046267393	0.246790275	1	1	0.00724486	0.007244861
7	134	0	5.334	0.007244861	0	0.007043268	163.576	292.608	292.608	0.001320448	0.007043268	1	1	0.00020159	0.000201593
7	135	0.508	5.334	0.000201593	0	0.000195983	163.576	293.116	293.116	3.67423E-05	0.000195983	1	1	0.50800561	0.508005609
7	136	0	4.826	0.508005609	0	0.445562563	163.576	293.116	293.116	0.092325438	0.445562563	1	1	0.06244305	0.062443046
7	137	0	4.826	0.062443046	0	0.054921713	163.576	293.116	293.116	0.01138038	0.054921713	1	1	0.00752133	0.007521333
7	138	0	5.08	0.007521333	0	0.006963855	163.576	293.116	293.116	0.001370838	0.006963855	1	1	0.00055748	0.000557479

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
7	139	0	5.08	0.000557479	0	0.000516159	163.576	293.116	293.116	0.000101606	0.000516159	1	1	4.132E-05	4.13198E-05
7	140	0	5.334	4.13198E-05	0	4.01701E-05	163.576	293.116	293.116	7.53095E-06	4.01701E-05	1	1	1.1497E-06	1.14972E-06
7	141	0.254	4.318	1.14972E-06	0	9.04832E-07	163.576	293.37	293.37	2.09549E-07	9.04832E-07	1	1	0.25400024	0.254000245
7	142	0	3.81	0.254000245	0	0.176254591	163.576	293.37	293.37	0.046261048	0.176254591	1	1	0.07774565	0.077745654
7	143	0	4.064	0.077745654	0	0.05758272	163.576	293.37	293.37	0.014168976	0.05758272	1	1	0.02016293	0.020162934
7	144	0	4.826	0.020162934	0	0.017734972	163.576	293.37	293.37	0.00367488	0.017734972	1	1	0.00242796	0.002427962
7	145	0	2.794	0.002427962	0	0.001236402	163.576	293.37	293.37	0.00044252	0.001236402	1	1	0.00119156	0.00119156
7	146	0	4.572	0.00119156	0	0.000992918	163.576	293.37	293.37	0.000217174	0.000992918	1	1	0.00019864	0.000198642
7	147	0	3.81	0.000198642	0	0.000137939	163.576	293.37	293.37	3.62044E-05	0.000137939	1	1	6.0703E-05	6.07027E-05
7	148	0	2.794	6.07027E-05	0	3.09119E-05	163.576	293.37	293.37	1.10637E-05	3.09119E-05	1	1	2.9791E-05	2.97908E-05
7	149	2.286	3.302	2.97908E-05	0	1.79288E-05	163.576	295.656	295.656	5.42967E-06	1.79288E-05	1	1	2.28601186	2.286011862
7	150	0	5.588	2.286011862	0	2.202249176	163.576	295.656	295.656	0.394103288	2.202249176	1	1	0.08376269	0.083762686
7	151	0	5.842	0.083762686	0	0.083762686	163.576	295.656	295.656	0.015265403	0.089180486	1	1	0	0
7	152	0.254	5.334	0	0	0	163.576	295.91	295.91	0	0	1	1	0.254	0.254
7	153	0	5.08	0.254	0	0.235005895	163.576	295.91	295.91	0.046261003	0.235005895	1	1	0.0189941	0.018994105
7	154	0.762	5.08	0.018994105	0	0.017586209	163.576	296.672	296.672	0.003461852	0.017586209	1	1	0.7634079	0.763407896
7	155	0	4.826	0.763407896	0	0.667183647	163.576	296.672	296.672	0.138247751	0.667183647	1	1	0.09622425	0.096224249
7	156	0.508	5.588	0.096224249	0	0.096224249	163.576	297.18	297.18	0.017536036	0.09799137	1	1	0.508	0.508
7	157	0.508	5.842	0.508	0	0.508	163.576	297.688	297.688	0.092324424	0.539359287	1	1	0.508	0.508
7	158	0	6.096	0.508	0	0.508	163.576	297.688	297.688	0.092324424	0.56280969	1	1	0	0
7	159	0	5.588	0	0	0	163.576	297.688	297.688	0	0	1	1	0	0
7	160	0.762	5.334	0	0	0	163.576	298.45	298.45	0	0	1	1	0.762	0.762
7	161	0	5.08	0.762	0	0.7010199	163.576	298.45	298.45	0.137996043	0.7010199	1	1	0.0609801	0.0609801
7	162	0	4.826	0.0609801	0	0.053635087	163.576	298.45	298.45	0.011113777	0.053635087	1	1	0.00734501	0.007345013
7	163	0.508	4.826	0.007345013	0	0.006460573	163.576	298.958	298.958	0.001338701	0.006460573	1	1	0.50888444	0.50888444
7	164	0.254	5.334	0.50888444	0	0.493310968	163.576	299.212	299.212	0.092484246	0.493310968	1	1	0.26957347	0.269573472
7	165	0.254	5.588	0.269573472	0	0.269573472	163.576	299.466	299.466	0.04909297	0.274331519	1	1	0.254	0.254
7	166	0.254	4.826	0.254	0	0.2232556	163.576	299.72	299.72	0.046261003	0.2232556	1	1	0.2847444	0.2847444
7	167	0	5.08	0.2847444	0	0.263402971	163.576	299.72	299.72	0.051850979	0.263402971	1	1	0.02134143	0.021341429
7	168	0	1.524	0.021341429	0	0.005927857	163.576	299.72	299.72	0.00388967	0.005927857	1	1	0.01541357	0.015413572
7	169	0	1.27	0.015413572	0	0.003567774	163.576	299.72	299.72	0.002809271	0.003567774	1	1	0.0118458	0.011845798
7	170	0	3.556	0.011845798	0	0.007677447	163.576	299.72	299.72	0.002159012	0.007677447	1	1	0.00416835	0.004168351
7	171	0	4.572	0.004168351	0	0.003473456	163.576	299.72	299.72	0.000759724	0.003473456	1	1	0.00069489	0.000694895
7	172	0	5.334	0.000694895	0	0.000675559	163.576	299.72	299.72	0.000126652	0.000675559	1	1	1.9335E-05	1.9335E-05
7	173	0	5.08	1.9335E-05	0	1.79023E-05	163.576	299.72	299.72	3.52408E-06	1.79023E-05	1	1	1.4331E-06	1.4331E-06
7	174	0	5.08	1.4331E-06	0	1.32691E-06	163.576	299.72	299.72	2.61202E-07	1.32691E-06	1	1	1.0622E-07	1.0622E-07
7	175	0	4.826	1.0622E-07	0	9.34315E-08	163.576	299.72	299.72	1.936E-08	9.34315E-08	1	1	1.2791E-08	1.27905E-08
7	176	0	5.842	1.27905E-08	0	1.27905E-08	163.576	299.72	299.72	2.3312E-09	1.36189E-08	1	1	0	0
7	177	0	6.35	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	178	0	6.096	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	179	0	5.08	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	180	0	1.016	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	181	0	4.064	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	182	0	3.556	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	183	0	3.048	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	184	0	4.572	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	185	0	3.048	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	186	0	3.302	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
7	187	0	4.064	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	188	0	3.81	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	189	0	0.508	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	190	0	1.27	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	191	0	3.556	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	192	0	4.318	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	193	0	5.334	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	194	0	4.318	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	195	0	5.334	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	196	0	5.08	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	197	0	5.588	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	198	0	4.572	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	199	0	5.334	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	200	0	5.334	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	201	0	5.334	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	202	0	5.334	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	203	0	4.572	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	204	0	3.302	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	205	0	2.794	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	206	0	3.048	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	207	0	3.81	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	208	0	3.556	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	209	0	2.54	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	210	0	2.286	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	211	0	2.794	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	212	0	1.778	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	213	0	3.556	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	214	0	4.064	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	215	0	3.302	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	216	0	4.318	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	217	0	4.064	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	218	0	5.08	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	219	0	5.334	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	220	0	5.08	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	221	0	4.572	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	222	0	4.064	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	223	0	4.572	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	224	0	4.064	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	225	0	3.302	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	226	0	3.302	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	227	0	2.794	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	228	0	4.826	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	229	0	4.572	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	230	0	4.318	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	231	0	3.556	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	232	0	2.794	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	233	0	3.302	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	234	0	3.048	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0

**Appendix E - Table 1  
 COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
 Proposed Target Development Site  
 Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
7	235	0	2.54	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	236	0	2.54	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	237	0	2.286	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	238	0	4.572	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	239	0	4.826	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	240	0	5.334	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	241	0	3.81	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	242	0	1.524	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	243	0	2.794	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	244	0	3.556	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	245	0	4.572	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	246	0	3.556	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	247	0	4.826	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	248	0	5.334	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	249	0	5.588	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	250	0	5.588	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	251	0	5.334	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	252	0	5.08	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	253	0	4.064	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	254	0	3.81	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	255	0	3.302	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	256	0	3.556	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	257	0	4.064	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	258	0	4.318	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	259	0	4.064	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	260	0	3.556	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	261	0	2.794	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	262	0	2.032	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	263	0	1.524	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	264	0	3.556	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	265	0	4.064	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	266	0	4.318	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	267	0	4.064	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	268	0	4.064	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	269	0	3.048	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	270	0	3.556	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	271	0	2.794	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	272	0	2.286	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	273	0	0.508	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	274	0	0.762	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	275	0	2.54	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	276	0	3.048	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	277	0	1.524	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	278	0	2.286	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	279	0	2.032	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	280	0	2.794	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	281	0	3.048	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	282	0	3.048	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
7	283	0	3.302	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	284	0	3.048	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	285	0	3.81	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	286	0	4.064	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	287	0	4.064	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	288	0	2.794	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	289	0	1.778	0	0	0	163.576	299.72	299.72	0	0	1	1	0	0
7	290	3.302	0.762	0	0	0	163.576	303.022	303.022	0	0	1	1	3.302	3.302
7	291	20.066	0	3.302	0	0	163.576	323.088	323.088	0.538345219	0	1	1	23.368	23.368
7	292	0.254	2.286	23.368	0	2.285086615	163.576	323.342	323.342	0.999600444	2.285086615	1	1	21.3369134	21.33691338
7	293	60.452	0.508	21.33691338	0	0.507574514	163.576	383.794	383.794	0.999162429	0.507574514	1	1	81.2813389	81.28133887
7	294	2.54	2.032	81.28133887	0	2.032	163.576	386.334	386.334	1	2.032	1	1	81.7893389	81.78933887
7	295	0	2.286	81.78933887	0	2.286	163.576	386.334	386.334	1	2.286	1	1	79.5033389	79.50333887
7	296	0	2.032	79.50333887	0	2.032	163.576	386.334	386.334	1	2.032	1	1	77.4713389	77.47133887
7	297	6.858	0.254	77.47133887	1.775338871	0.254	165.3513389	393.192	393.192	1	0.254	1	1	84.0753389	82.3
7	298	0	1.016	82.3	0	1.016	165.3513389	393.192	393.192	1	1.016	1	1	81.284	81.284
7	299	0	1.778	81.284	0	1.778	165.3513389	393.192	393.192	1	1.778	1	1	79.506	79.506
7	300	41.402	1.524	79.506	37.084	1.524	202.4353389	434.594	434.594	1	1.524	1	1	119.384	82.3
7	301	0	1.27	82.3	0	1.27	202.4353389	434.594	434.594	1	1.27	1	1	81.03	81.03
7	302	0	1.524	81.03	0	1.524	202.4353389	434.594	434.594	1	1.524	1	1	79.506	79.506
7	303	0	1.778	79.506	0	1.778	202.4353389	434.594	434.594	1	1.778	1	1	77.728	77.728
7	304	0	2.032	77.728	0	2.032	202.4353389	434.594	434.594	1	2.032	1	1	75.696	75.696
7	305	0	2.54	75.696	0	2.54	202.4353389	434.594	434.594	1	2.54	1	1	73.156	73.156
7	306	0	2.794	73.156	0	2.794	202.4353389	434.594	434.594	1	2.794	1	1	70.362	70.362
7	307	0	2.54	70.362	0	2.54	202.4353389	434.594	434.594	1	2.54	1	1	67.822	67.822
7	308	0	1.016	67.822	0	1.016	202.4353389	434.594	434.594	1	1.016	1	1	66.806	66.806
7	309	1.016	0.762	66.806	0	0.762	202.4353389	435.61	435.61	1	0.762	1	1	67.06	67.06
7	310	0	1.778	67.06	0	1.778	202.4353389	435.61	435.61	1	1.778	1	1	65.282	65.282
7	311	0	1.778	65.282	0	1.778	202.4353389	435.61	435.61	1	1.778	1	1	63.504	63.504
7	312	0	1.524	63.504	0	1.524	202.4353389	435.61	435.61	1	1.524	1	1	61.98	61.98
7	313	1.27	0.254	61.98	0	0.254	202.4353389	436.88	436.88	1	0.254	1	1	62.996	62.996
7	314	0	0.762	62.996	0	0.762	202.4353389	436.88	436.88	1	0.762	1	1	62.234	62.234
7	315	8.382	0.254	62.234	0	0.254	202.4353389	445.262	445.262	1	0.254	1	1	70.362	70.362
7	316	34.29	0	70.362	22.352	0	224.7873389	479.552	479.552	1	0	1	1	104.652	82.3
7	317	0	1.778	82.3	0	1.778	224.7873389	479.552	479.552	1	1.778	1	1	80.522	80.522
7	318	0	1.524	80.522	0	1.524	224.7873389	479.552	479.552	1	1.524	1	1	78.998	78.998
7	319	0	1.524	78.998	0	1.524	224.7873389	479.552	479.552	1	1.524	1	1	77.474	77.474
7	320	0	1.016	77.474	0	1.016	224.7873389	479.552	479.552	1	1.016	1	1	76.458	76.458
7	321	0	1.778	76.458	0	1.778	224.7873389	479.552	479.552	1	1.778	1	1	74.68	74.68
7	322	0	1.778	74.68	0	1.778	224.7873389	479.552	479.552	1	1.778	1	1	72.902	72.902
7	323	0	1.27	72.902	0	1.27	224.7873389	479.552	479.552	1	1.27	1	1	71.632	71.632
7	324	0	1.524	71.632	0	1.524	224.7873389	479.552	479.552	1	1.524	1	1	70.108	70.108
7	325	0	2.286	70.108	0	2.286	224.7873389	479.552	479.552	1	2.286	1	1	67.822	67.822
7	326	0	2.54	67.822	0	2.54	224.7873389	479.552	479.552	1	2.54	1	1	65.282	65.282
7	327	0	1.778	65.282	0	1.778	224.7873389	479.552	479.552	1	1.778	1	1	63.504	63.504
7	328	0	1.016	63.504	0	1.016	224.7873389	479.552	479.552	1	1.016	1	1	62.488	62.488
7	329	0	1.524	62.488	0	1.524	224.7873389	479.552	479.552	1	1.524	1	1	60.964	60.964
7	330	0	1.27	60.964	0	1.269999999	224.7873389	479.552	479.552	1	1.269999999	1	1	59.694	59.694

**Appendix E - Table 1  
 COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
 Proposed Target Development Site  
 Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
7	331	0	1.524	59.694	0	1.523999999	224.7873389	479.552	479.552	0.999999999	1.523999999	1	1	58.17	58.17
7	332	29.21	1.27	58.17	3.810000004	1.269999998	228.5973389	508.762	508.762	0.999999999	1.269999998	1	1	86.11	82.3
7	333	0	2.032	82.3	0	2.032	228.5973389	508.762	508.762	1	2.032	1	1	80.268	80.268
7	334	0	1.524	80.268	0	1.524	228.5973389	508.762	508.762	1	1.524	1	1	78.744	78.744
7	335	0	1.27	78.744	0	1.27	228.5973389	508.762	508.762	1	1.27	1	1	77.474	77.474
7	336	0	1.27	77.474	0	1.27	228.5973389	508.762	508.762	1	1.27	1	1	76.204	76.204
7	337	0	1.524	76.204	0	1.524	228.5973389	508.762	508.762	1	1.524	1	1	74.68	74.68
7	338	0	1.778	74.68	0	1.778	228.5973389	508.762	508.762	1	1.778	1	1	72.902	72.902
7	339	0	1.016	72.902	0	1.016	228.5973389	508.762	508.762	1	1.016	1	1	71.886	71.886
7	340	0	1.524	71.886	0	1.524	228.5973389	508.762	508.762	1	1.524	1	1	70.362	70.362
7	341	1.27	1.016	70.362	0	1.016	228.5973389	510.032	510.032	1	1.016	1	1	70.616	70.616
7	342	37.338	1.016	70.616	24.638	1.016	253.2353389	547.37	547.37	1	1.016	1	1	106.938	82.3
7	343	90.424	0	82.3	90.424	0	343.6593389	637.794	637.794	1	0	1	1	172.724	82.3
7	344	1.016	1.016	82.3	0	1.016	343.6593389	638.81	638.81	1	1.016	1	1	82.3	82.3
7	345	0	1.524	82.3	0	1.524	343.6593389	638.81	638.81	1	1.524	1	1	80.776	80.776
7	346	0	1.524	80.776	0	1.524	343.6593389	638.81	638.81	1	1.524	1	1	79.252	79.252
7	347	0	0.254	79.252	0	0.254	343.6593389	638.81	638.81	1	0.254	1	1	78.998	78.998
7	348	0.254	1.524	78.998	0	1.524	343.6593389	639.064	639.064	1	1.524	1	1	77.728	77.728
7	349	0	1.27	77.728	0	1.27	343.6593389	639.064	639.064	1	1.27	1	1	76.458	76.458
7	350	0	1.524	76.458	0	1.524	343.6593389	639.064	639.064	1	1.524	1	1	74.934	74.934
7	351	0	1.27	74.934	0	1.27	343.6593389	639.064	639.064	1	1.27	1	1	73.664	73.664
7	352	0	2.032	73.664	0	2.032	343.6593389	639.064	639.064	1	2.032	1	1	71.632	71.632
7	353	0	1.778	71.632	0	1.778	343.6593389	639.064	639.064	1	1.778	1	1	69.854	69.854
7	354	0	1.524	69.854	0	1.524	343.6593389	639.064	639.064	1	1.524	1	1	68.33	68.33
7	355	0	1.016	68.33	0	1.016	343.6593389	639.064	639.064	1	1.016	1	1	67.314	67.314
7	356	0	1.524	67.314	0	1.524	343.6593389	639.064	639.064	1	1.524	1	1	65.79	65.79
7	357	0.254	2.032	65.79	0	2.032	343.6593389	639.318	639.318	1	2.032	1	1	64.012	64.012
7	358	0	1.778	64.012	0	1.778	343.6593389	639.318	639.318	1	1.778	1	1	62.234	62.234
7	359	0	1.524	62.234	0	1.524	343.6593389	639.318	639.318	1	1.524	1	1	60.71	60.71
7	360	0	1.27	60.71	0	1.269999999	343.6593389	639.318	639.318	1	1.269999999	1	1	59.44	59.44
7	361	7.112	0	59.44	0	0	343.6593389	646.43	646.43	0.999999999	0	1	1	66.552	66.552
7	362	43.434	0	66.552	27.686	0	371.3453389	689.864	689.864	1	0	1	1	109.986	82.3
7	363	5.334	0.254	82.3	5.08	0.254	376.4253389	695.198	695.198	1	0.254	1	1	87.38	82.3
7	364	14.986	0.762	82.3	14.224	0.762	390.6493389	710.184	710.184	1	0.762	1	1	96.524	82.3
7	365	53.34	0.254	82.3	53.086	0.254	443.7353389	763.524	763.524	1	0.254	1	1	135.386	82.3
7	366	11.43	1.016	82.3	10.414	1.016	454.1493389	774.954	774.954	1	1.016	1	1	92.714	82.3
8	1	3.302	1.016	82.3	2.286	1.016	2.286	3.302	3.302	1	1.016	1	1	84.586	82.3
8	2	47.752	0	82.3	47.752	0	50.038	51.054	51.054	1	0	1	1	130.052	82.3
8	3	1.27	1.27	82.3	0	1.27	50.038	52.324	52.324	1	1.27	1	1	82.3	82.3
8	4	0	0.508	82.3	0	0.508	50.038	52.324	52.324	1	0.508	1	1	81.792	81.792
8	5	0.762	0.508	81.792	0	0.508	50.038	53.086	53.086	1	0.508	1	1	82.046	82.046
8	6	0.254	1.27	82.046	0	1.27	50.038	53.34	53.34	1	1.27	1	1	81.03	81.03
8	7	28.194	0.254	81.03	26.67	0.254	76.708	81.534	81.534	1	0.254	1	1	108.97	82.3
8	8	6.604	0.254	82.3	6.35	0.254	83.058	88.138	88.138	1	0.254	1	1	88.65	82.3
8	9	3.81	0.508	82.3	3.302	0.508	86.36	91.948	91.948	1	0.508	1	1	85.602	82.3
8	10	12.446	0.762	82.3	11.684	0.762	98.044	104.394	104.394	1	0.762	1	1	93.984	82.3
8	11	5.08	1.016	82.3	4.064	1.016	102.108	109.474	109.474	1	1.016	1	1	86.364	82.3
8	12	0.254	1.524	82.3	0	1.524	102.108	109.728	109.728	1	1.524	1	1	81.03	81.03

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
8	13	0	0.508	81.03	0	0.508	102.108	109.728	109.728	1	0.508	1	1	80.522	80.522
8	14	0	1.524	80.522	0	1.524	102.108	109.728	109.728	1	1.524	1	1	78.998	78.998
8	15	0	1.524	78.998	0	1.524	102.108	109.728	109.728	1	1.524	1	1	77.474	77.474
8	16	0	1.778	77.474	0	1.778	102.108	109.728	109.728	1	1.778	1	1	75.696	75.696
8	17	0	1.27	75.696	0	1.27	102.108	109.728	109.728	1	1.27	1	1	74.426	74.426
8	18	0	1.778	74.426	0	1.778	102.108	109.728	109.728	1	1.778	1	1	72.648	72.648
8	19	0	2.286	72.648	0	2.286	102.108	109.728	109.728	1	2.286	1	1	70.362	70.362
8	20	0	2.286	70.362	0	2.286	102.108	109.728	109.728	1	2.286	1	1	68.076	68.076
8	21	0	1.778	68.076	0	1.778	102.108	109.728	109.728	1	1.778	1	1	66.298	66.298
8	22	0	1.778	66.298	0	1.778	102.108	109.728	109.728	1	1.778	1	1	64.52	64.52
8	23	0	1.778	64.52	0	1.778	102.108	109.728	109.728	1	1.778	1	1	62.742	62.742
8	24	0	1.524	62.742	0	1.524	102.108	109.728	109.728	1	1.524	1	1	61.218	61.218
8	25	1.016	0.508	61.218	0	0.508	102.108	110.744	110.744	1	0.508	1	1	61.726	61.726
8	26	15.748	1.27	61.726	0	1.27	102.108	126.492	126.492	1	1.27	1	1	76.204	76.204
8	27	14.478	0.762	76.204	7.620000001	0.762	109.728	140.97	140.97	1	0.762	1	1	89.92	82.3
8	28	2.794	1.524	82.3	1.27	1.524	110.998	143.764	143.764	1	1.524	1	1	83.57	82.3
8	29	0.254	2.032	82.3	0	2.032	110.998	144.018	144.018	1	2.032	1	1	80.522	80.522
8	30	0	1.778	80.522	0	1.778	110.998	144.018	144.018	1	1.778	1	1	78.744	78.744
8	31	0	2.032	78.744	0	2.032	110.998	144.018	144.018	1	2.032	1	1	76.712	76.712
8	32	0	2.54	76.712	0	2.54	110.998	144.018	144.018	1	2.54	1	1	74.172	74.172
8	33	0	2.54	74.172	0	2.54	110.998	144.018	144.018	1	2.54	1	1	71.632	71.632
8	34	0	2.286	71.632	0	2.286	110.998	144.018	144.018	1	2.286	1	1	69.346	69.346
8	35	0	2.286	69.346	0	2.286	110.998	144.018	144.018	1	2.286	1	1	67.06	67.06
8	36	0	1.778	67.06	0	1.778	110.998	144.018	144.018	1	1.778	1	1	65.282	65.282
8	37	0	2.032	65.282	0	2.032	110.998	144.018	144.018	1	2.032	1	1	63.25	63.25
8	38	5.334	1.27	63.25	0	1.27	110.998	149.352	149.352	1	1.27	1	1	67.314	67.314
8	39	0	1.524	67.314	0	1.524	110.998	149.352	149.352	1	1.524	1	1	65.79	65.79
8	40	0	1.778	65.79	0	1.778	110.998	149.352	149.352	1	1.778	1	1	64.012	64.012
8	41	0	2.54	64.012	0	2.54	110.998	149.352	149.352	1	2.54	1	1	61.472	61.472
8	42	5.842	0.762	61.472	0	0.762	110.998	155.194	155.194	1	0.762	1	1	66.552	66.552
8	43	0	2.286	66.552	0	2.286	110.998	155.194	155.194	1	2.286	1	1	64.266	64.266
8	44	0	0.254	64.266	0	0.254	110.998	155.194	155.194	1	0.254	1	1	64.012	64.012
8	45	2.286	0.762	64.012	0	0.762	110.998	157.48	157.48	1	0.762	1	1	65.536	65.536
8	46	56.642	0.254	65.536	39.624	0.254	150.622	214.122	214.122	1	0.254	1	1	121.924	82.3
8	47	1.524	2.032	82.3	0	2.032	150.622	215.646	215.646	1	2.032	1	1	81.792	81.792
8	48	6.35	0.254	81.792	5.588	0.254	156.21	221.996	221.996	1	0.254	1	1	87.888	82.3
8	49	13.97	1.524	82.3	12.446	1.524	168.656	235.966	235.966	1	1.524	1	1	94.746	82.3
8	50	13.716	0.508	82.3	13.208	0.508	181.864	249.682	249.682	1	0.508	1	1	95.508	82.3
8	51	10.922	0.762	82.3	10.16	0.762	192.024	260.604	260.604	1	0.762	1	1	92.46	82.3
8	52	8.128	2.032	82.3	6.096	2.032	198.12	268.732	268.732	1	2.032	1	1	88.396	82.3
8	53	0.254	2.54	82.3	0	2.54	198.12	268.986	268.986	1	2.54	1	1	80.014	80.014
8	54	0	2.794	80.014	0	2.794	198.12	268.986	268.986	1	2.794	1	1	77.22	77.22
8	55	0	1.27	77.22	0	1.27	198.12	268.986	268.986	1	1.27	1	1	75.95	75.95
8	56	0	2.54	75.95	0	2.54	198.12	268.986	268.986	1	2.54	1	1	73.41	73.41
8	57	0	2.286	73.41	0	2.286	198.12	268.986	268.986	1	2.286	1	1	71.124	71.124
8	58	22.86	0.762	71.124	10.922	0.762	209.042	291.846	291.846	1	0.762	1	1	93.222	82.3
8	59	0.762	2.794	82.3	0	2.794	209.042	292.608	292.608	1	2.794	1	1	80.268	80.268
8	60	13.462	2.54	80.268	8.89	2.54	217.932	306.07	306.07	1	2.54	1	1	91.19	82.3

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
8	61	5.334	2.794	82.3	2.54	2.794	220.472	311.404	311.404	1	2.794	1	1	84.84	82.3
8	62	12.446	1.778	82.3	10.668	1.778	231.14	323.85	323.85	1	1.778	1	1	92.968	82.3
8	63	16.51	1.016	82.3	15.494	1.016	246.634	340.36	340.36	1	1.016	1	1	97.794	82.3
8	64	0	2.286	82.3	0	2.286	246.634	340.36	340.36	1	2.286	1	1	80.014	80.014
8	65	0.254	3.302	80.014	0	3.302	246.634	340.614	340.614	1	3.302	1	1	76.966	76.966
8	66	0	2.54	76.966	0	2.54	246.634	340.614	340.614	1	2.54	1	1	74.426	74.426
8	67	0	3.556	74.426	0	3.556	246.634	340.614	340.614	1	3.556	1	1	70.87	70.87
8	68	0	3.556	70.87	0	3.556	246.634	340.614	340.614	1	3.556	1	1	67.314	67.314
8	69	0	4.064	67.314	0	4.064	246.634	340.614	340.614	1	4.064	1	1	63.25	63.25
8	70	0	3.81	63.25	0	3.809999999	246.634	340.614	340.614	1	3.809999999	1	1	59.44	59.44
8	71	0.508	0.508	59.44	0	0.508	246.634	341.122	341.122	0.999999999	0.508	1	1	59.44	59.44
8	72	0	1.27	59.44	0	1.269999999	246.634	341.122	341.122	0.999999999	1.269999999	1	1	58.17	58.17
8	73	0	4.064	58.17	0	4.063999995	246.634	341.122	341.122	0.999999999	4.063999995	1	1	54.106	54.10600001
8	74	0	3.81	54.10600001	0	3.809999979	246.634	341.122	341.122	0.999999995	3.809999979	1	1	50.296	50.29600003
8	75	0	3.556	50.29600003	0	3.555999922	246.634	341.122	341.122	0.999999978	3.555999922	1	1	46.7400001	46.74000011
8	76	0	1.778	46.74000011	0	1.777999858	246.634	341.122	341.122	0.99999992	1.777999858	1	1	44.9620002	44.96200025
8	77	15.748	1.016	44.96200025	0	1.015999845	246.634	356.87	356.87	0.999999848	1.015999845	1	1	59.6940004	59.6940004
8	78	16.764	1.778	59.6940004	0	1.777999999	246.634	373.634	373.634	0.999999999	1.777999999	1	1	74.6800004	74.6800004
8	79	5.588	2.032	74.6800004	0	2.032	246.634	379.222	379.222	1	2.032	1	1	78.2360004	78.2360004
8	80	44.958	1.524	78.2360004	39.3700004	1.524	286.0040004	424.18	424.18	1	1.524	1	1	121.67	82.3
8	81	41.148	0.762	82.3	40.386	0.762	326.3900004	465.328	465.328	1	0.762	1	1	122.686	82.3
8	82	2.032	2.286	82.3	0	2.286	326.3900004	467.36	467.36	1	2.286	1	1	82.046	82.046
8	83	0	2.54	82.046	0	2.54	326.3900004	467.36	467.36	1	2.54	1	1	79.506	79.506
8	84	0	3.81	79.506	0	3.81	326.3900004	467.36	467.36	1	3.81	1	1	75.696	75.696
8	85	0	3.302	75.696	0	3.302	326.3900004	467.36	467.36	1	3.302	1	1	72.394	72.394
8	86	7.112	2.032	72.394	0	2.032	326.3900004	474.472	474.472	1	2.032	1	1	77.474	77.474
8	87	2.286	3.81	77.474	0	3.81	326.3900004	476.758	476.758	1	3.81	1	1	75.95	75.95
8	88	5.334	3.048	75.95	0	3.048	326.3900004	482.092	482.092	1	3.048	1	1	78.236	78.236
8	89	0	4.572	78.236	0	4.572	326.3900004	482.092	482.092	1	4.572	1	1	73.664	73.664
8	90	0	4.826	73.664	0	4.826	326.3900004	482.092	482.092	1	4.826	1	1	68.838	68.838
8	91	0	4.572	68.838	0	4.572	326.3900004	482.092	482.092	1	4.572	1	1	64.266	64.266
8	92	0	3.048	64.266	0	3.048	326.3900004	482.092	482.092	1	3.048	1	1	61.218	61.218
8	93	12.192	2.032	61.218	0	2.031999999	326.3900004	494.284	494.284	1	2.031999999	1	1	71.378	71.378
8	94	0.254	3.556	71.378	0	3.556	326.3900004	494.538	494.538	1	3.556	1	1	68.076	68.076
8	95	0	4.318	68.076	0	4.318	326.3900004	494.538	494.538	1	4.318	1	1	63.758	63.758
8	96	0	3.81	63.758	0	3.809999999	326.3900004	494.538	494.538	1	3.809999999	1	1	59.948	59.948
8	97	1.016	2.54	59.948	0	2.539999998	326.3900004	495.554	495.554	0.999999999	2.539999998	1	1	58.424	58.424
8	98	27.432	1.524	58.424	2.032000006	1.523999998	328.4220004	522.986	522.986	0.999999999	1.523999998	1	1	84.332	82.3
8	99	0.762	3.81	82.3	0	3.81	328.4220004	523.748	523.748	1	3.81	1	1	79.252	79.252
8	100	0	3.81	79.252	0	3.81	328.4220004	523.748	523.748	1	3.81	1	1	75.442	75.442
8	101	0	3.81	75.442	0	3.81	328.4220004	523.748	523.748	1	3.81	1	1	71.632	71.632
8	102	0	3.81	71.632	0	3.81	328.4220004	523.748	523.748	1	3.81	1	1	67.822	67.822
8	103	0	4.318	67.822	0	4.318	328.4220004	523.748	523.748	1	4.318	1	1	63.504	63.504
8	104	0	4.572	63.504	0	4.571999999	328.4220004	523.748	523.748	1	4.571999999	1	1	58.932	58.932
8	105	0	4.064	58.932	0	4.063999996	328.4220004	523.748	523.748	0.999999999	4.063999996	1	1	54.868	54.868
8	106	0	4.064	54.868	0	4.063999983	328.4220004	523.748	523.748	0.999999996	4.063999983	1	1	50.804	50.80400002
8	107	0	4.318	50.80400002	0	4.317999922	328.4220004	523.748	523.748	0.999999982	4.317999922	1	1	46.4860001	46.4860001
8	108	0	4.572	46.4860001	0	4.5719996	328.4220004	523.748	523.748	0.999999913	4.5719996	1	1	41.9140005	41.9140005



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**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
8	109	0	4.826	41.9140005	0	4.825997765	328.4220004	523.748	523.748	0.999999537	4.825997765	1	1	37.0880027	37.08800273
8	110	0	3.81	37.08800273	0	3.809989753	328.4220004	523.748	523.748	0.999997311	3.809989753	1	1	33.278013	33.27801298
8	111	0	4.064	33.27801298	0	4.06395617	328.4220004	523.748	523.748	0.999989215	4.06395617	1	1	29.2140568	29.21405681
8	112	3.556	2.54	29.21405681	0	2.539879495	328.4220004	527.304	527.304	0.999952557	2.539879495	1	1	30.2301773	30.23017732
8	113	17.272	0.762	30.23017732	0	0.761975039	328.4220004	544.576	544.576	0.999967242	0.761975039	1	1	46.7402023	46.74020228
8	114	0.508	2.286	46.74020228	0	2.285999818	328.4220004	545.084	545.084	0.99999992	2.285999818	1	1	44.9622025	44.96220246
8	115	0	4.318	44.96220246	0	4.317999342	328.4220004	545.084	545.084	0.999999848	4.317999342	1	1	40.6442031	40.64420312
8	116	0	3.81	40.64420312	0	3.809997197	328.4220004	545.084	545.084	0.999999264	3.809997197	1	1	36.8342059	36.83420592
8	117	2.286	1.524	36.83420592	0	1.523995504	328.4220004	547.37	547.37	0.99999705	1.523995504	1	1	37.5962104	37.59621042
8	118	7.874	3.81	37.59621042	0	3.809991486	328.4220004	555.244	555.244	0.999997765	3.809991486	1	1	41.6602189	41.66021893
8	119	0	4.318	41.66021893	0	4.317997807	328.4220004	555.244	555.244	0.999999492	4.317997807	1	1	37.3422211	37.34222112
8	120	0	2.794	37.34222112	0	2.793993151	328.4220004	555.244	555.244	0.999997549	2.793993151	1	1	34.548228	34.54822797
8	121	0	3.81	34.54822797	0	3.809974138	328.4220004	555.244	555.244	0.999993212	3.809974138	1	1	30.7382538	30.73825384
8	122	0	4.572	30.73825384	0	4.571875552	328.4220004	555.244	555.244	0.99997278	4.571875552	1	1	26.1663783	26.16637828
8	123	0	3.81	26.16637828	0	3.809451029	328.4220004	555.244	555.244	0.999855913	3.809451029	1	1	22.3569273	22.35692725
8	124	11.43	1.016	22.35692725	0	1.015413194	328.4220004	566.674	566.674	0.999422435	1.015413194	1	1	32.7715141	32.77151406
8	125	4.826	3.048	32.77151406	0	3.047960462	328.4220004	571.5	571.5	0.999987028	3.047960462	1	1	34.5495536	34.5495536
8	126	0	4.318	34.5495536	0	4.317970704	328.4220004	571.5	571.5	0.999993215	4.317970704	1	1	30.2315829	30.23158289
8	127	0	4.064	30.23158289	0	4.063866941	328.4220004	571.5	571.5	0.999967259	4.063866941	1	1	26.167716	26.16771595
8	128	6.35	0.508	26.16771595	0	0.50792684	328.4220004	577.85	577.85	0.999855983	0.50792684	1	1	32.0097891	32.00978911
8	129	1.778	3.81	32.00978911	0	3.80993476	328.4220004	579.628	579.628	0.999982877	3.80993476	1	1	29.9778544	29.97785435
8	130	0	4.064	29.97785435	0	4.063854048	328.4220004	579.628	579.628	0.999964087	4.063854048	1	1	25.9140003	25.9140003
8	131	0	4.572	25.9140003	0	4.57127776	328.4220004	579.628	579.628	0.99984203	4.57127776	1	1	21.3427225	21.34272254
8	132	0	4.318	21.34272254	0	4.314391015	328.4220004	579.628	579.628	0.9991642	4.314391015	1	1	17.0283315	17.02833153
8	133	0	4.572	17.02833153	0	4.553612482	328.4220004	579.628	579.628	0.995978233	4.553612482	1	1	12.474719	12.47471905
8	134	0	4.572	12.47471905	0	4.476126672	328.4220004	579.628	579.628	0.979030331	4.476126672	1	1	7.99859238	7.998592375
8	135	0	4.318	7.998592375	0	3.874235165	328.4220004	579.628	579.628	0.897229079	3.874235165	1	1	4.12435721	4.124357211
8	136	0	4.064	4.124357211	0	2.585375759	328.4220004	579.628	579.628	0.636165295	2.585375759	1	1	1.53898145	1.538981452
8	137	0	3.302	1.538981452	0	0.902644508	328.4220004	579.628	579.628	0.273362964	0.902644508	1	1	0.63633694	0.636336943
8	138	2.794	0.508	0.636336943	0	0.058654471	328.4220004	582.422	582.422	0.115461556	0.058654471	1	1	3.37168247	3.371682473
8	139	10.16	2.54	3.371682473	0	1.390149791	328.4220004	592.582	592.582	0.547303067	1.390149791	1	1	12.1415327	12.14153268
8	140	0	4.826	12.14153268	0	4.711886325	328.4220004	592.582	592.582	0.976354398	4.711886325	1	1	7.42964636	7.429646356
8	141	0.254	5.334	7.429646356	0	4.667378036	328.4220004	592.836	592.836	0.875024004	4.667378036	1	1	3.01626832	3.016268321
8	142	0.254	5.588	3.016268321	0	2.795839416	328.4220004	593.09	593.09	0.500329173	2.795839416	1	1	0.4744289	0.474428905
8	143	0.254	4.826	0.474428905	0	0.416264491	328.4220004	593.344	593.344	0.086254557	0.416264491	1	1	0.31216441	0.312164414
8	144	0.762	4.826	0.312164414	0	0.274279833	328.4220004	594.106	594.106	0.056833782	0.274279833	1	1	0.79988458	0.799884581
8	145	0.254	4.064	0.799884581	0	0.588316199	328.4220004	594.36	594.36	0.144762844	0.588316199	1	1	0.46556838	0.465568381
8	146	0.254	3.302	0.465568381	0	0.279519023	328.4220004	594.614	594.614	0.08465143	0.279519023	1	1	0.44004936	0.440049358
8	147	0.254	3.302	0.440049358	0	0.264265255	328.4220004	594.868	594.868	0.080031876	0.264265255	1	1	0.4297841	0.429784103
8	148	0	3.81	0.429784103	0	0.29783775	328.4220004	594.868	594.868	0.078172638	0.29783775	1	1	0.13194635	0.131946352
8	149	0	4.064	0.131946352	0	0.097714452	328.4220004	594.868	594.868	0.02404391	0.097714452	1	1	0.0342319	0.0342319
8	150	0	4.826	0.0342319	0	0.03010954	328.4220004	594.868	594.868	0.006239026	0.03010954	1	1	0.00412236	0.004122361
8	151	0	4.064	0.004122361	0	0.003053452	328.4220004	594.868	594.868	0.000751341	0.003053452	1	1	0.00106891	0.001068909
8	152	0	4.826	0.001068909	0	0.000940198	328.4220004	594.868	594.868	0.000194819	0.000940198	1	1	0.00012871	0.000128711
8	153	0.762	4.572	0.000128711	0	0.000107254	328.4220004	595.63	595.63	2.34588E-05	0.000107254	1	1	0.76202146	0.762021457
8	154	0	3.81	0.762021457	0	0.525779541	328.4220004	595.63	595.63	0.13799988	0.525779541	1	1	0.23624192	0.236241916
8	155	0	4.064	0.236241916	0	0.174877449	328.4220004	595.63	595.63	0.043030868	0.174877449	1	1	0.06136447	0.061364467
8	156	0	5.08	0.061364467	0	0.05681382	328.4220004	595.63	595.63	0.011183823	0.05681382	1	1	0.00455065	0.004550647

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Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
8	157	0	5.08	0.004550647	0	0.004213356	328.4220004	595.63	595.63	0.000829401	0.004213356	1	1	0.00033729	0.000337291
8	158	0	5.08	0.000337291	0	0.000312291	328.4220004	595.63	595.63	6.14746E-05	0.000312291	1	1	2.5E-05	2.49997E-05
8	159	0	2.286	2.49997E-05	0	1.0416E-05	328.4220004	595.63	595.63	4.55644E-06	1.0416E-05	1	1	1.4584E-05	1.45836E-05
8	160	0	2.794	1.45836E-05	0	7.4265E-06	328.4220004	595.63	595.63	2.65802E-06	7.4265E-06	1	1	7.1572E-06	7.15715E-06
8	161	0	4.064	7.15715E-06	0	5.30134E-06	328.4220004	595.63	595.63	1.30446E-06	5.30134E-06	1	1	1.8558E-06	1.85582E-06
8	162	0	4.318	1.85582E-06	0	1.46052E-06	328.4220004	595.63	595.63	3.38241E-07	1.46052E-06	1	1	3.9529E-07	3.95291E-07
8	163	0	4.826	3.95291E-07	0	3.47693E-07	328.4220004	595.63	595.63	7.20457E-08	3.47693E-07	1	1	4.7598E-08	4.75982E-08
8	164	0	5.08	4.75982E-08	0	4.40703E-08	328.4220004	595.63	595.63	8.67525E-09	4.40703E-08	1	1	3.5279E-09	3.52794E-09
8	165	0	4.064	3.52794E-09	0	2.61316E-09	328.4220004	595.63	595.63	6.43002E-10	2.61316E-09	1	1	9.1478E-10	9.14777E-10
8	166	0	4.064	9.14777E-10	0	6.7758E-10	328.4220004	595.63	595.63	1.66727E-10	6.7758E-10	1	1	2.372E-10	2.37197E-10
8	167	3.556	4.572	2.37197E-10	0	1.97655E-10	328.4220004	599.186	599.186	4.32316E-11	1.97655E-10	1	1	3.556	3.556
8	168	3.048	3.556	3.556	0	2.028345031	328.4220004	602.234	602.234	0.57040074	2.028345031	1	1	4.57565497	4.575654969
8	169	0	4.572	4.575654969	0	3.120829235	328.4220004	602.234	602.234	0.682596071	3.120829235	1	1	1.45482573	1.454825735
8	170	0	4.826	1.454825735	0	1.250475918	328.4220004	602.234	602.234	0.259112291	1.250475918	1	1	0.20434982	0.204349816
8	171	0.254	5.08	0.204349816	0	0.189116159	328.4220004	602.488	602.488	0.03722759	0.189116159	1	1	0.26923366	0.269233657
8	172	0.254	5.334	0.269233657	0	0.26153234	328.4220004	602.742	602.742	0.049031185	0.26153234	1	1	0.26170132	0.261701317
8	173	0.254	5.08	0.261701317	0	0.242120671	328.4220004	602.996	602.996	0.047661549	0.242120671	1	1	0.27358065	0.273580646
8	174	1.016	3.048	0.273580646	0	0.151856028	328.4220004	604.012	604.012	0.049821532	0.151856028	1	1	1.13772462	1.137724618
8	175	0	4.572	1.137724618	0	0.934699011	328.4220004	604.012	604.012	0.204439854	0.934699011	1	1	0.20302561	0.203025607
8	176	0	3.81	0.203025607	0	0.14091884	328.4220004	604.012	604.012	0.036986572	0.14091884	1	1	0.06210677	0.062106767
8	177	0	3.302	0.062106767	0	0.037375659	328.4220004	604.012	604.012	0.011319097	0.037375659	1	1	0.02473111	0.024731107
8	178	0	4.318	0.024731107	0	0.019463219	328.4220004	604.012	604.012	0.004507462	0.019463219	1	1	0.00526789	0.005267888
8	179	0	3.556	0.005267888	0	0.003414205	328.4220004	604.012	604.012	0.000960125	0.003414205	1	1	0.00185368	0.001853683
8	180	0	4.572	0.001853683	0	0.001544661	328.4220004	604.012	604.012	0.000337852	0.001544661	1	1	0.00030902	0.000309022
8	181	0	4.064	0.000309022	0	0.000228894	328.4220004	604.012	604.012	5.63224E-05	0.000228894	1	1	8.0128E-05	8.0128E-05
8	182	0	3.302	8.0128E-05	0	4.82229E-05	328.4220004	604.012	604.012	1.46041E-05	4.82229E-05	1	1	3.1905E-05	3.19052E-05
8	183	0	2.286	3.19052E-05	0	1.32932E-05	328.4220004	604.012	604.012	5.81504E-06	1.32932E-05	1	1	1.8612E-05	1.8612E-05
8	184	0	4.064	1.8612E-05	0	1.3786E-05	328.4220004	604.012	604.012	3.39222E-06	1.3786E-05	1	1	4.826E-06	4.826E-06
8	185	0	3.048	4.826E-06	0	2.68098E-06	328.4220004	604.012	604.012	8.79587E-07	2.68098E-06	1	1	2.145E-06	2.14502E-06
8	186	0	3.556	2.14502E-06	0	1.39022E-06	328.4220004	604.012	604.012	3.90951E-07	1.39022E-06	1	1	7.548E-07	7.54797E-07
8	187	0	3.556	7.54797E-07	0	4.89196E-07	328.4220004	604.012	604.012	1.37569E-07	4.89196E-07	1	1	2.656E-07	2.656E-07
8	188	0	3.81	2.656E-07	0	1.84436E-07	328.4220004	604.012	604.012	4.84083E-08	1.84436E-07	1	1	8.1165E-08	8.11647E-08
8	189	0	4.572	8.11647E-08	0	6.76339E-08	328.4220004	604.012	604.012	1.47931E-08	6.76339E-08	1	1	1.3531E-08	1.35307E-08
8	190	0	4.572	1.35307E-08	0	1.12751E-08	328.4220004	604.012	604.012	2.46611E-09	1.12751E-08	1	1	2.2557E-09	2.25567E-09
8	191	0	4.572	2.25567E-09	0	1.87963E-09	328.4220004	604.012	604.012	4.11118E-10	1.87963E-09	1	1	3.7604E-10	3.76036E-10
8	192	0	4.572	3.76036E-10	0	3.13348E-10	328.4220004	604.012	604.012	6.85364E-11	3.13348E-10	1	1	6.2688E-11	6.2688E-11
8	193	0	4.826	6.2688E-11	0	5.51396E-11	328.4220004	604.012	604.012	1.14255E-11	5.51396E-11	1	1	7.5484E-12	7.54836E-12
8	194	0	3.81	7.54836E-12	0	5.24175E-12	328.4220004	604.012	604.012	1.37579E-12	5.24175E-12	1	1	2.3066E-12	2.3066E-12
8	195	0	3.81	2.3066E-12	0	1.60167E-12	328.4220004	604.012	604.012	4.20386E-13	1.60167E-12	1	1	7.0493E-13	7.04932E-13
8	196	0	4.064	7.04932E-13	0	5.22258E-13	328.4220004	604.012	604.012	1.28508E-13	5.22258E-13	1	1	1.8267E-13	1.82674E-13
8	197	0	4.064	1.82674E-13	0	1.35358E-13	328.4220004	604.012	604.012	3.33067E-14	1.35358E-13	1	1	4.7316E-14	4.73158E-14
8	198	0	3.81	4.73158E-14	0	3.27821E-14	328.4220004	604.012	604.012	8.60423E-15	3.27821E-14	1	1	1.4534E-14	1.45336E-14
8	199	0	3.556	1.45336E-14	0	9.47509E-15	328.4220004	604.012	604.012	2.66454E-15	9.47509E-15	1	1	5.0586E-15	5.05856E-15
8	200	0	3.302	5.05856E-15	0	3.11606E-15	328.4220004	604.012	604.012	9.4369E-16	3.11606E-15	1	1	1.9425E-15	1.94249E-15
8	201	0	3.302	1.94249E-15	0	1.09979E-15	328.4220004	604.012	604.012	3.33067E-16	1.09979E-15	1	1	8.4271E-16	8.42708E-16
8	202	0	1.778	8.42708E-16	0	2.96096E-16	328.4220004	604.012	604.012	1.66533E-16	2.96096E-16	1	1	5.4661E-16	5.46611E-16
8	203	0	4.826	5.46611E-16	0	5.35794E-16	328.4220004	604.012	604.012	1.11022E-16	5.35794E-16	1	1	1.0818E-17	1.08176E-17
8	204	0	5.08	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17

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**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
8	205	0	4.318	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	206	0	3.556	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	207	0	3.556	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	208	0	3.556	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	209	0	3.556	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	210	0	3.556	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	211	0	4.064	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	212	0	4.064	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	213	0	4.064	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	214	0	4.318	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	215	0	3.302	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	216	0	4.064	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	217	0	4.318	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	218	0	4.064	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	219	0	3.81	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	220	0	3.302	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	221	0	3.048	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	222	0	3.302	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	223	0	4.064	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	224	0	3.048	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	225	0	0.762	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	226	0	1.016	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	227	0	1.524	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	228	0	2.54	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	229	0	2.286	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	230	0	2.032	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	231	0	2.794	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	232	0	3.048	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	233	0	3.302	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	234	0	3.302	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	235	0	3.048	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	236	0	2.286	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	237	0	4.064	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	238	0	4.064	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	239	0	4.064	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	240	0	3.81	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	241	0	3.81	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	242	0	4.318	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	243	0	3.81	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	244	0	2.794	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	245	0	3.048	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	246	0	2.286	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	247	0	3.048	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	248	0	3.81	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	249	0	3.048	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	250	0	2.286	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	251	0	0.508	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	252	0	0.762	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17

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**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
8	253	0	3.302	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	254	0	3.556	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	255	0	3.302	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	256	0	2.032	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	257	0	2.794	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	258	0	2.286	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	259	0	2.286	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	260	0	3.302	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	261	0	3.048	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	262	0	3.556	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	263	0	0.508	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	264	0	3.302	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	265	0	3.048	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	266	0	3.048	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	267	0	3.048	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	268	0	2.54	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	269	0	2.794	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	270	0	2.794	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	271	0	3.302	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	272	0	3.302	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	273	0	3.302	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	274	0	2.794	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	275	0	3.048	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	276	0	3.302	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	277	0	3.302	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	278	0	3.302	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	279	0	2.032	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	280	0	2.794	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	281	0	3.048	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	282	0	2.54	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	283	0	3.048	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	284	0	2.286	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	285	0	2.286	1.08176E-17	0	0	328.4220004	604.012	604.012	0	0	1	1	1.0818E-17	1.08176E-17
8	286	0.254	3.048	1.08176E-17	0	0	328.4220004	604.266	604.266	0	0	1	1	0.254	0.254
8	287	0	2.54	0.254	0	0.117502948	328.4220004	604.266	604.266	0.046261003	0.117502948	1	1	0.13649705	0.136497052
8	288	1.016	2.032	0.136497052	0	0.05054158	328.4220004	605.282	605.282	0.024872825	0.05054158	1	1	1.10195547	1.101955472
8	289	0	2.794	1.101955472	0	0.553728326	328.4220004	605.282	605.282	0.198184798	0.553728326	1	1	0.54822715	0.548227147
8	290	0	3.302	0.548227147	0	0.328841831	328.4220004	605.282	605.282	0.099588683	0.328841831	1	1	0.21938532	0.219385316
8	291	0.508	0.254	0.219385316	0	0.010150825	328.4220004	605.79	605.79	0.039963877	0.010150825	1	1	0.71723449	0.717234491
8	292	0	1.016	0.717234491	0	0.132063345	328.4220004	605.79	605.79	0.129983608	0.132063345	1	1	0.58517115	0.585171146
8	293	0	1.778	0.585171146	0	0.188913829	328.4220004	605.79	605.79	0.106250748	0.188913829	1	1	0.39625732	0.396257317
8	294	0.254	2.032	0.396257317	0	0.14650021	328.4220004	606.044	606.044	0.07209656	0.14650021	1	1	0.50375711	0.503757107
8	295	0	1.524	0.503757107	0	0.139533861	328.4220004	606.044	606.044	0.091557651	0.139533861	1	1	0.36422325	0.364223246
8	296	0	1.524	0.364223246	0	0.101019861	328.4220004	606.044	606.044	0.066285998	0.101019861	1	1	0.26320339	0.263203386
8	297	0	0.254	0.263203386	0	0.012175412	328.4220004	606.044	606.044	0.047934691	0.012175412	1	1	0.25102797	0.251027974
8	298	0.508	1.27	0.251027974	0	0.058064993	328.4220004	606.552	606.552	0.045720467	0.058064993	1	1	0.70096298	0.700962981
8	299	2.286	0.254	0.700962981	0	0.032275006	328.4220004	608.838	608.838	0.127066953	0.032275006	1	1	2.95468797	2.954687975
8	300	0	1.27	2.954687975	0	0.624672339	328.4220004	608.838	608.838	0.491867983	0.624672339	1	1	2.33001564	2.330015636

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
8	301	0	1.778	2.330015636	0	0.712722435	328.4220004	608.838	608.838	0.400856263	0.712722435	1	1	1.6172932	1.617293201
8	302	0.508	1.524	1.617293201	0	0.4366523	328.4220004	609.346	609.346	0.286517257	0.4366523	1	1	1.6886409	1.688640901
8	303	0	2.032	1.688640901	0	0.606366282	328.4220004	609.346	609.346	0.298408603	0.606366282	1	1	1.08227462	1.082274619
8	304	0	2.54	1.082274619	0	0.494629992	328.4220004	609.346	609.346	0.194736217	0.494629992	1	1	0.58764463	0.587644628
8	305	0.254	2.032	0.587644628	0	0.216807194	328.4220004	609.6	609.6	0.106696454	0.216807194	1	1	0.62483743	0.624837434
8	306	0	1.27	0.624837434	0	0.144009236	328.4220004	609.6	609.6	0.113393099	0.144009236	1	1	0.4808282	0.480828198
8	307	1.524	1.778	0.480828198	0	0.15541871	328.4220004	611.124	611.124	0.087412098	0.15541871	1	1	1.84940949	1.849409488
8	308	0.508	1.016	1.849409488	0	0.33005996	328.4220004	611.632	611.632	0.324862165	0.33005996	1	1	2.02734953	2.027349529
8	309	0	1.778	2.027349529	0	0.628626956	328.4220004	611.632	611.632	0.353558468	0.628626956	1	1	1.39872257	1.398722573
8	310	0	0.762	1.398722573	0	0.190155914	328.4220004	611.632	611.632	0.249548444	0.190155914	1	1	1.20856666	1.208566659
8	311	0.254	0	1.208566659	0	0	328.4220004	611.886	611.886	0.216778618	0	1	1	1.46256666	1.462566659
8	312	4.826	1.016	1.462566659	0	0.264594794	328.4220004	616.712	616.712	0.260427946	0.264594794	1	1	6.02397187	6.023971865
8	313	2.032	0.254	6.023971865	0	0.20313751	328.4220004	618.744	618.744	0.799753975	0.20313751	1	1	7.85283436	7.852834355
8	314	0.254	0.762	7.852834355	0	0.67964614	328.4220004	618.998	618.998	0.891924068	0.67964614	1	1	7.42718822	7.427188216
8	315	0	1.524	7.427188216	0	1.33337652	328.4220004	618.998	618.998	0.874918976	1.33337652	1	1	6.0938117	6.093811696
8	316	0	1.524	6.093811696	0	1.225745512	328.4220004	618.998	618.998	0.804294955	1.225745512	1	1	4.86806618	4.868066184
8	317	0	1.524	4.868066184	0	1.082092898	328.4220004	618.998	618.998	0.71003471	1.082092898	1	1	3.78597329	3.785973286
8	318	0	2.032	3.785973286	0	1.215140652	328.4220004	618.998	618.998	0.59800229	1.215140652	1	1	2.57083263	2.570832633
8	319	0	2.794	2.570832633	0	1.221076077	328.4220004	618.998	618.998	0.437035103	1.221076077	1	1	1.34975656	1.349756557
8	320	0	3.048	1.349756557	0	0.735059372	328.4220004	618.998	618.998	0.241161211	0.735059372	1	1	0.61469718	0.614697185
8	321	0.254	2.794	0.614697185	0	0.311721887	328.4220004	619.252	619.252	0.11156832	0.311721887	1	1	0.5569753	0.556975298
8	322	0	2.54	0.556975298	0	0.256964321	328.4220004	619.252	619.252	0.101167056	0.256964321	1	1	0.30001098	0.300010977
8	323	0	2.54	0.300010977	0	0.138748966	328.4220004	619.252	619.252	0.054625577	0.138748966	1	1	0.16126201	0.161262011
8	324	0	2.54	0.161262011	0	0.07463322	328.4220004	619.252	619.252	0.029383157	0.07463322	1	1	0.08662879	0.086628791
8	325	1.016	2.286	0.086628791	0	0.036090576	328.4220004	620.268	620.268	0.015787654	0.036090576	1	1	1.06653821	1.066538215
8	326	0.254	2.032	1.066538215	0	0.390093872	328.4220004	620.522	620.522	0.19197533	0.390093872	1	1	0.93044434	0.930444343
8	327	0	1.778	0.930444343	0	0.298660713	328.4220004	620.522	620.522	0.167975654	0.298660713	1	1	0.63178363	0.63178363
8	328	0	1.016	0.63178363	0	0.116476937	328.4220004	620.522	620.522	0.114642654	0.116476937	1	1	0.51530669	0.515306693
8	329	8.128	0.254	0.515306693	0	0.023785735	328.4220004	628.65	628.65	0.093644628	0.023785735	1	1	8.61952096	8.619520957
8	330	0	1.778	8.619520957	0	1.630752694	328.4220004	628.65	628.65	0.917183742	1.630752694	1	1	6.98876826	6.988768263
8	331	0	1.524	6.988768263	0	1.302741076	328.4220004	628.65	628.65	0.854816979	1.302741076	1	1	5.68602719	5.686027187
8	332	16.51	1.524	5.686027187	0	1.183289748	328.4220004	645.16	645.16	0.776436843	1.183289748	1	1	21.0127374	21.01273744
8	333	14.478	0	21.01273744	0	0	328.4220004	659.638	659.638	0.999057419	0	1	1	35.4907374	35.49073744
8	334	0	1.27	35.49073744	0	1.269993886	328.4220004	659.638	659.638	0.99995186	1.269993886	1	1	34.2207436	34.22074355
8	335	40.894	0	34.22074355	0	0	328.4220004	700.532	700.532	0.99992352	0	1	1	75.1147436	75.11474355
8	336	0	1.27	75.11474355	0	1.27	328.4220004	700.532	700.532	1	1.27	1	1	73.8447436	73.84474355
8	337	0	1.524	73.84474355	0	1.524	328.4220004	700.532	700.532	1	1.524	1	1	72.3207436	72.32074355
8	338	0	1.524	72.32074355	0	1.524	328.4220004	700.532	700.532	1	1.524	1	1	70.7967436	70.79674355
8	339	0	1.778	70.79674355	0	1.778	328.4220004	700.532	700.532	1	1.778	1	1	69.0187436	69.01874355
8	340	0	1.524	69.01874355	0	1.524	328.4220004	700.532	700.532	1	1.524	1	1	67.4947436	67.49474355
8	341	0	1.016	67.49474355	0	1.016	328.4220004	700.532	700.532	1	1.016	1	1	66.4787436	66.47874355
8	342	0	0.762	66.47874355	0	0.762	328.4220004	700.532	700.532	1	0.762	1	1	65.7167436	65.71674355
8	343	0	1.524	65.71674355	0	1.524	328.4220004	700.532	700.532	1	1.524	1	1	64.1927436	64.19274355
8	344	0	1.778	64.19274355	0	1.778	328.4220004	700.532	700.532	1	1.778	1	1	62.4147436	62.41474355
8	345	0	1.27	62.41474355	0	1.27	328.4220004	700.532	700.532	1	1.27	1	1	61.1447436	61.14474355
8	346	0	0.762	61.14474355	0	0.762	328.4220004	700.532	700.532	1	0.762	1	1	60.3827436	60.38274355
8	347	0	1.016	60.38274355	0	1.015999999	328.4220004	700.532	700.532	0.999999999	1.015999999	1	1	59.3667436	59.36674355
8	348	0	1.016	59.36674355	0	1.015999999	328.4220004	700.532	700.532	0.999999999	1.015999999	1	1	58.3507436	58.35074355

**Appendix E - Table 1  
COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
Proposed Target Development Site  
Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
8	349	0	1.27	58.35074356	0	1.269999999	328.4220004	700.532	700.532	0.999999999	1.269999999	1	1	57.0807436	57.08074356
8	350	0	1.27	57.08074356	0	1.269999998	328.4220004	700.532	700.532	0.999999998	1.269999998	1	1	55.8107436	55.81074356
8	351	35.052	0.254	55.81074356	8.30874356	0.253999999	336.730744	735.584	735.584	0.999999997	0.253999999	1	1	90.6087436	82.3
8	352	84.328	0	82.3	84.328	0	421.058744	819.912	819.912	1	0	1	1	166.628	82.3
8	353	15.24	0.508	82.3	14.732	0.508	435.790744	835.152	835.152	1	0.508	1	1	97.032	82.3
8	354	0	0.508	82.3	0	0.508	435.790744	835.152	835.152	1	0.508	1	1	81.792	81.792
8	355	23.876	0	81.792	23.368	0	459.158744	859.028	859.028	1	0	1	1	105.668	82.3
9	356	51.562	0	82.3	51.562	0	510.720744	910.59	910.59	1	0	1	1	133.862	82.3
9	357	0.254	0.762	82.3	0	0.762	510.720744	910.844	910.844	1	0.762	1	1	81.792	81.792
9	358	0.254	1.27	81.792	0	1.27	510.720744	911.098	911.098	1	1.27	1	1	80.776	80.776
9	359	27.178	0	80.776	25.654	0	536.374744	938.276	938.276	1	0	1	1	107.954	82.3
9	360	3.81	0.508	82.3	3.302	0.508	539.676744	942.086	942.086	1	0.508	1	1	85.602	82.3
9	361	3.81	0.254	82.3	3.556	0.254	543.232744	945.896	945.896	1	0.254	1	1	85.856	82.3
9	362	12.954	0.508	82.3	12.446	0.508	555.678744	958.85	958.85	1	0.508	1	1	94.746	82.3
9	363	0	0.762	82.3	0	0.762	555.678744	958.85	958.85	1	0.762	1	1	81.538	81.538
9	364	19.304	0	81.538	18.542	0	574.220744	978.154	978.154	1	0	1	1	100.842	82.3
9	365	21.844	0.508	82.3	21.336	0.508	595.556744	999.998	999.998	1	0.508	1	1	103.636	82.3
9	1	29.464	0	82.3	29.464	0	29.464	29.464	29.464	1	0	1	1	111.764	82.3
9	2	54.102	0	82.3	54.102	0	83.566	83.566	83.566	1	0	1	1	136.402	82.3
9	3	2.54	0.254	82.3	2.286	0.254	85.852	86.106	86.106	1	0.254	1	1	84.586	82.3
9	4	0	1.27	82.3	0	1.27	85.852	86.106	86.106	1	1.27	1	1	81.03	81.03
9	5	0	1.524	81.03	0	1.524	85.852	86.106	86.106	1	1.524	1	1	79.506	79.506
9	6	0	1.524	79.506	0	1.524	85.852	86.106	86.106	1	1.524	1	1	77.982	77.982
9	7	4.318	1.016	77.982	0	1.016	85.852	90.424	90.424	1	1.016	1	1	81.284	81.284
9	8	0	1.27	81.284	0	1.27	85.852	90.424	90.424	1	1.27	1	1	80.014	80.014
9	9	0	1.524	80.014	0	1.524	85.852	90.424	90.424	1	1.524	1	1	78.49	78.49
9	10	0.254	1.27	78.49	0	1.27	85.852	90.678	90.678	1	1.27	1	1	77.474	77.474
9	11	0.762	0.508	77.474	0	0.508	85.852	91.44	91.44	1	0.508	1	1	77.728	77.728
9	12	0	1.524	77.728	0	1.524	85.852	91.44	91.44	1	1.524	1	1	76.204	76.204
9	13	7.112	1.27	76.204	0	1.27	85.852	98.552	98.552	1	1.27	1	1	82.046	82.046
9	14	12.192	0.508	82.046	11.43	0.508	97.282	110.744	110.744	1	0.508	1	1	93.73	82.3
9	15	1.27	1.524	82.3	0	1.524	97.282	112.014	112.014	1	1.524	1	1	82.046	82.046
9	16	0	1.27	82.046	0	1.27	97.282	112.014	112.014	1	1.27	1	1	80.776	80.776
9	17	16.764	1.27	80.776	13.97	1.27	111.252	128.778	128.778	1	1.27	1	1	96.27	82.3
9	18	6.858	1.016	82.3	5.842	1.016	117.094	135.636	135.636	1	1.016	1	1	88.142	82.3
9	19	0.254	1.524	82.3	0	1.524	117.094	135.89	135.89	1	1.524	1	1	81.03	81.03
9	20	0	1.524	81.03	0	1.524	117.094	135.89	135.89	1	1.524	1	1	79.506	79.506
9	21	0	1.016	79.506	0	1.016	117.094	135.89	135.89	1	1.016	1	1	78.49	78.49
9	22	0	2.032	78.49	0	2.032	117.094	135.89	135.89	1	2.032	1	1	76.458	76.458
9	23	0	2.032	76.458	0	2.032	117.094	135.89	135.89	1	2.032	1	1	74.426	74.426
9	24	0	2.032	74.426	0	2.032	117.094	135.89	135.89	1	2.032	1	1	72.394	72.394
9	25	1.778	1.016	72.394	0	1.016	117.094	137.668	137.668	1	1.016	1	1	73.156	73.156
9	26	1.524	1.524	73.156	0	1.524	117.094	139.192	139.192	1	1.524	1	1	73.156	73.156
9	27	0.254	0.762	73.156	0	0.762	117.094	139.446	139.446	1	0.762	1	1	72.648	72.648
9	28	9.652	0.508	72.648	0	0.508	117.094	149.098	149.098	1	0.508	1	1	81.792	81.792
9	29	2.286	1.016	81.792	0.762	1.016	117.856	151.384	151.384	1	1.016	1	1	83.062	82.3
9	30	5.588	0.254	82.3	5.334	0.254	123.19	156.972	156.972	1	0.254	1	1	87.634	82.3
9	31	0.254	1.016	82.3	0	1.016	123.19	157.226	157.226	1	1.016	1	1	81.538	81.538

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 COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
 Proposed Target Development Site  
 Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
9	32	1.016	1.27	81.538	0	1.27	123.19	158.242	158.242	1	1.27	1	1	81.284	81.284
9	33	1.524	0.254	81.284	0.254	0.254	123.444	159.766	159.766	1	0.254	1	1	82.554	82.3
9	34	0	1.778	82.3	0	1.778	123.444	159.766	159.766	1	1.778	1	1	80.522	80.522
9	35	0	1.778	80.522	0	1.778	123.444	159.766	159.766	1	1.778	1	1	78.744	78.744
9	36	0	2.794	78.744	0	2.794	123.444	159.766	159.766	1	2.794	1	1	75.95	75.95
9	37	0	2.54	75.95	0	2.54	123.444	159.766	159.766	1	2.54	1	1	73.41	73.41
9	38	0	2.794	73.41	0	2.794	123.444	159.766	159.766	1	2.794	1	1	70.616	70.616
9	39	0	3.048	70.616	0	3.048	123.444	159.766	159.766	1	3.048	1	1	67.568	67.568
9	40	0	3.048	67.568	0	3.048	123.444	159.766	159.766	1	3.048	1	1	64.52	64.52
9	41	0	2.54	64.52	0	2.54	123.444	159.766	159.766	1	2.54	1	1	61.98	61.98
9	42	0	2.286	61.98	0	2.285999999	123.444	159.766	159.766	1	2.285999999	1	1	59.694	59.694
9	43	0	2.794	59.694	0	2.793999998	123.444	159.766	159.766	0.999999999	2.793999998	1	1	56.9	56.9
9	44	0	2.032	56.9	0	2.031999996	123.444	159.766	159.766	0.999999998	2.031999996	1	1	54.868	54.86800001
9	45	0	2.794	54.86800001	0	2.793999988	123.444	159.766	159.766	0.999999996	2.793999988	1	1	52.074	52.07400002
9	46	0	2.54	52.07400002	0	2.539999971	123.444	159.766	159.766	0.999999989	2.539999971	1	1	49.534	49.53400005
9	47	0	2.032	49.53400005	0	2.031999941	123.444	159.766	159.766	0.999999971	2.031999941	1	1	47.5020001	47.50200011
9	48	1.524	0.762	47.50200011	0	0.761999954	123.444	161.29	161.29	0.999999994	0.761999954	1	1	48.2640002	48.26400015
9	49	14.986	0.762	48.26400015	0	0.761999965	123.444	176.276	176.276	0.999999954	0.761999965	1	1	62.4880002	62.48800019
9	50	0.762	1.27	62.48800019	0	1.27	123.444	177.038	177.038	1	1.27	1	1	61.9800002	61.98000019
9	51	0.254	2.54	61.98000019	0	2.539999999	123.444	177.292	177.292	1	2.539999999	1	1	59.6940002	59.69400019
9	52	0	2.286	59.69400019	0	2.285999998	123.444	177.292	177.292	0.999999999	2.285999998	1	1	57.4080002	57.40800019
9	53	0	2.54	57.40800019	0	2.539999996	123.444	177.292	177.292	0.999999998	2.539999996	1	1	54.8680002	54.86800019
9	54	0	3.048	54.86800019	0	3.047999987	123.444	177.292	177.292	0.999999996	3.047999987	1	1	51.8200002	51.82000021
9	55	0	3.048	51.82000021	0	3.047999962	123.444	177.292	177.292	0.999999987	3.047999962	1	1	48.7720002	48.77200024
9	56	0	2.032	48.77200024	0	2.031999923	123.444	177.292	177.292	0.999999962	2.031999923	1	1	46.7400003	46.74000032
9	57	13.97	0.254	46.74000032	0	0.25399998	123.444	191.262	191.262	0.999999992	0.25399998	1	1	60.4560003	60.45600034
9	58	30.988	0	60.45600034	9.144000342	0	132.5880003	222.25	222.25	0.999999999	0	1	1	91.4440003	82.3
9	59	3.048	1.27	82.3	1.778	1.27	134.3660003	225.298	225.298	1	1.27	1	1	84.078	82.3
9	60	0	2.54	82.3	0	2.54	134.3660003	225.298	225.298	1	2.54	1	1	79.76	79.76
9	61	9.398	2.54	79.76	4.318	2.54	138.6840003	234.696	234.696	1	2.54	1	1	86.618	82.3
9	62	29.972	1.27	82.3	28.702	1.27	167.3860003	264.668	264.668	1	1.27	1	1	111.002	82.3
9	63	0	2.286	82.3	0	2.286	167.3860003	264.668	264.668	1	2.286	1	1	80.014	80.014
9	64	37.338	0.762	80.014	34.29	0.762	201.6760003	302.006	302.006	1	0.762	1	1	116.59	82.3
9	65	20.066	2.032	82.3	18.034	2.032	219.7100003	322.072	322.072	1	2.032	1	1	100.334	82.3
9	66	1.778	2.032	82.3	0	2.032	219.7100003	323.85	323.85	1	2.032	1	1	82.046	82.046
9	67	0.254	2.54	82.046	0	2.54	219.7100003	324.104	324.104	1	2.54	1	1	79.76	79.76
9	68	6.096	2.794	79.76	0.762	2.794	220.4720003	330.2	330.2	1	2.794	1	1	83.062	82.3
9	69	11.938	1.524	82.3	10.414	1.524	230.8860003	342.138	342.138	1	1.524	1	1	92.714	82.3
9	70	4.826	2.794	82.3	2.032	2.794	232.9180003	346.964	346.964	1	2.794	1	1	84.332	82.3
9	71	5.08	1.524	82.3	3.556	1.524	236.4740003	352.044	352.044	1	1.524	1	1	85.856	82.3
9	72	0.254	3.048	82.3	0	3.048	236.4740003	352.298	352.298	1	3.048	1	1	79.506	79.506
9	73	29.972	2.286	79.506	24.892	2.286	261.3660003	382.27	382.27	1	2.286	1	1	107.192	82.3
9	74	5.08	2.032	82.3	3.048	2.032	264.4140003	387.35	387.35	1	2.032	1	1	85.348	82.3
9	75	5.08	1.524	82.3	3.556	1.524	267.9700003	392.43	392.43	1	1.524	1	1	85.856	82.3
9	76	6.096	1.524	82.3	4.572	1.524	272.5420003	398.526	398.526	1	1.524	1	1	86.872	82.3
9	77	0	3.048	82.3	0	3.048	272.5420003	398.526	398.526	1	3.048	1	1	79.252	79.252
9	78	0	3.556	79.252	0	3.556	272.5420003	398.526	398.526	1	3.556	1	1	75.696	75.696
9	79	20.574	0.762	75.696	13.208	0.762	285.7500003	419.1	419.1	1	0.762	1	1	95.508	82.3

**Appendix E - Table 1  
COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
Proposed Target Development Site  
Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
9	80	1.778	1.27	82.3	0.508	1.27	286.2580003	420.878	420.878	1	1.27	1	1	82.808	82.3
9	81	0	3.048	82.3	0	3.048	286.2580003	420.878	420.878	1	3.048	1	1	79.252	79.252
9	82	0	3.81	79.252	0	3.81	286.2580003	420.878	420.878	1	3.81	1	1	75.442	75.442
9	83	2.794	2.54	75.442	0	2.54	286.2580003	423.672	423.672	1	2.54	1	1	75.696	75.696
9	84	23.876	2.794	75.696	14.478	2.794	300.7360003	447.548	447.548	1	2.794	1	1	96.778	82.3
9	85	0	3.048	82.3	0	3.048	300.7360003	447.548	447.548	1	3.048	1	1	79.252	79.252
9	86	13.462	1.27	79.252	9.144	1.27	309.8800003	461.01	461.01	1	1.27	1	1	91.444	82.3
9	87	6.604	1.016	82.3	5.588	1.016	315.4680003	467.614	467.614	1	1.016	1	1	87.888	82.3
9	88	27.686	2.032	82.3	25.654	2.032	341.1220003	495.3	495.3	1	2.032	1	1	107.954	82.3
9	89	2.54	1.27	82.3	1.27	1.27	342.3920003	497.84	497.84	1	1.27	1	1	83.57	82.3
9	90	8.382	1.524	82.3	6.858	1.524	349.2500003	506.222	506.222	1	1.524	1	1	89.158	82.3
9	91	0.254	3.048	82.3	0	3.048	349.2500003	506.476	506.476	1	3.048	1	1	79.506	79.506
9	92	45.974	1.524	79.506	41.656	1.524	390.9060003	552.45	552.45	1	1.524	1	1	123.956	82.3
9	93	8.128	0.254	82.3	7.874	0.254	398.7800003	560.578	560.578	1	0.254	1	1	90.174	82.3
9	94	39.624	0.254	82.3	39.37	0.254	438.1500003	600.202	600.202	1	0.254	1	1	121.67	82.3
9	95	5.334	2.286	82.3	3.048	2.286	441.1980003	605.536	605.536	1	2.286	1	1	85.348	82.3
9	96	0	3.556	82.3	0	3.556	441.1980003	605.536	605.536	1	3.556	1	1	78.744	78.744
9	97	3.048	1.778	78.744	0	1.778	441.1980003	608.584	608.584	1	1.778	1	1	80.014	80.014
9	98	0	3.556	80.014	0	3.556	441.1980003	608.584	608.584	1	3.556	1	1	76.458	76.458
9	99	0	1.778	76.458	0	1.778	441.1980003	608.584	608.584	1	1.778	1	1	74.68	74.68
9	100	5.08	2.286	74.68	0	2.286	441.1980003	613.664	613.664	1	2.286	1	1	77.474	77.474
9	101	37.338	0	77.474	32.512	0	473.7100003	651.002	651.002	1	0	1	1	114.812	82.3
9	102	17.018	0.254	82.3	16.764	0.254	490.4740003	668.02	668.02	1	0.254	1	1	99.064	82.3
9	103	0	4.064	82.3	0	4.064	490.4740003	668.02	668.02	1	4.064	1	1	78.236	78.236
9	104	3.302	0.762	78.236	0	0.762	490.4740003	671.322	671.322	1	0.762	1	1	80.776	80.776
9	105	1.016	2.032	80.776	0	2.032	490.4740003	672.338	672.338	1	2.032	1	1	79.76	79.76
9	106	8.128	1.778	79.76	3.81	1.778	494.2840003	680.466	680.466	1	1.778	1	1	86.11	82.3
9	107	0.254	3.556	82.3	0	3.556	494.2840003	680.72	680.72	1	3.556	1	1	78.998	78.998
9	108	0	3.048	78.998	0	3.048	494.2840003	680.72	680.72	1	3.048	1	1	75.95	75.95
9	109	0	4.572	75.95	0	4.572	494.2840003	680.72	680.72	1	4.572	1	1	71.378	71.378
9	110	0	4.318	71.378	0	4.318	494.2840003	680.72	680.72	1	4.318	1	1	67.06	67.06
9	111	0	3.81	67.06	0	3.81	494.2840003	680.72	680.72	1	3.81	1	1	63.25	63.25
9	112	0	3.048	63.25	0	3.047999999	494.2840003	680.72	680.72	1	3.047999999	1	1	60.202	60.202
9	113	0	0.762	60.202	0	0.762	494.2840003	680.72	680.72	0.999999999	0.762	1	1	59.44	59.44
9	114	0	2.286	59.44	0	2.285999998	494.2840003	680.72	680.72	0.999999999	2.285999998	1	1	57.154	57.154
9	115	0	0.508	57.154	0	0.507999999	494.2840003	680.72	680.72	0.999999998	0.507999999	1	1	56.646	56.646
9	116	0	3.556	56.646	0	3.555999992	494.2840003	680.72	680.72	0.999999998	3.555999992	1	1	53.09	53.09000001
9	117	0	3.048	53.09000001	0	3.047999976	494.2840003	680.72	680.72	0.999999992	3.047999976	1	1	50.042	50.04200004
9	118	0.254	0.762	50.04200004	0	0.761999982	494.2840003	680.974	680.974	0.999999976	0.761999982	1	1	49.53400001	49.53400005
9	119	0.508	1.524	49.53400005	0	1.523999956	494.2840003	681.482	681.482	0.999999971	1.523999956	1	1	48.51800001	48.51800001
9	120	0	3.556	48.51800001	0	3.555999852	494.2840003	681.482	681.482	0.999999958	3.555999852	1	1	44.96200002	44.96200025
9	121	0	3.81	44.962000025	0	3.809999419	494.2840003	681.482	681.482	0.999999848	3.809999419	1	1	41.15200008	41.15200083
9	122	0	3.556	41.152000083	0	3.555997826	494.2840003	681.482	681.482	0.999999389	3.555997826	1	1	37.596003	37.596003
9	123	0	1.016	37.596003	0	1.015997729	494.2840003	681.482	681.482	0.999997765	1.015997729	1	1	36.5800053	36.58000527
9	124	0.254	3.556	36.58000527	0	3.555988491	494.2840003	681.736	681.736	0.999996763	3.555988491	1	1	33.2780168	33.27801678
9	125	0	2.54	33.27801678	0	2.539972606	494.2840003	681.736	681.736	0.999989215	2.539972606	1	1	30.7380442	30.73804417
9	126	0	4.318	30.73804417	0	4.317882457	494.2840003	681.736	681.736	0.999972778	4.317882457	1	1	26.4201617	26.42016172
9	127	0	4.064	26.42016172	0	4.063466168	494.2840003	681.736	681.736	0.999868644	4.063466168	1	1	22.3566955	22.35669555



**Appendix E - Table 1  
 COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
 Proposed Target Development Site  
 Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
9	128	0	3.81	22.35669555	0	3.807799292	494.2840003	681.736	681.736	0.999422386	3.807799292	1	1	18.5488963	18.54889626
9	129	0.254	4.318	18.54889626	0	4.308014906	494.2840003	681.99	681.99	0.997687565	4.308014906	1	1	14.4948814	14.49488135
9	130	0.254	4.826	14.49488135	0	4.77727537	494.2840003	682.244	682.244	0.989903724	4.77727537	1	1	9.97160598	9.97160598
9	131	0.254	4.826	9.97160598	0	4.577852234	494.2840003	682.498	682.498	0.948581068	4.577852234	1	1	5.64775375	5.647753747
9	132	0.254	4.064	5.647753747	0	3.144119388	494.2840003	682.752	682.752	0.773651424	3.144119388	1	1	2.75763436	2.757634359
9	133	0	4.572	2.757634359	0	2.122160399	494.2840003	682.752	682.752	0.464164567	2.122160399	1	1	0.63547396	0.63547396
9	134	0	5.08	0.63547396	0	0.585756324	494.2840003	682.752	682.752	0.115306363	0.585756324	1	1	0.04971764	0.049717636
9	135	0	2.286	0.049717636	0	0.020714108	494.2840003	682.752	682.752	0.00906129	0.020714108	1	1	0.02900353	0.029003528
9	136	0	4.318	0.029003528	0	0.022825529	494.2840003	682.752	682.752	0.005286135	0.022825529	1	1	0.006178	0.006177999
9	137	0	4.318	0.006177999	0	0.004862076	494.2840003	682.752	682.752	0.001126002	0.004862076	1	1	0.00131592	0.001315923
9	138	0	3.81	0.001315923	0	0.000913791	494.2840003	682.752	682.752	0.00023984	0.000913791	1	1	0.00040213	0.000402132
9	139	1.524	1.27	0.000402132	0	9.30816E-05	494.2840003	684.276	684.276	7.32926E-05	9.30816E-05	1	1	1.52430905	1.524309051
9	140	0	3.302	1.524309051	0	0.894468224	494.2840003	684.276	684.276	0.270886803	0.894468224	1	1	0.62984083	0.629840826
9	141	17.526	0	0.629840826	0	0	494.2840003	701.802	701.802	0.114293199	0	1	1	18.1558408	18.15584083
9	142	0	3.81	18.15584083	0	3.799834205	494.2840003	701.802	701.802	0.997331812	3.799834205	1	1	14.3560066	14.35600662
9	143	0	4.826	14.35600662	0	4.774758734	494.2840003	701.802	701.802	0.989382249	4.774758734	1	1	9.58124789	9.581247887
9	144	0	4.826	9.581247887	0	4.541027096	494.2840003	701.802	701.802	0.940950497	4.541027096	1	1	5.04022079	5.040220791
9	145	0	5.334	5.040220791	0	3.868478285	494.2840003	701.802	701.802	0.725249022	3.868478285	1	1	1.17174251	1.171742506
9	146	0.508	5.08	1.171742506	0	1.068695961	494.2840003	702.31	702.31	0.210373221	1.068695961	1	1	0.61104655	0.611046545
9	147	0	5.08	0.611046545	0	0.563428836	494.2840003	702.31	702.31	0.110911188	0.563428836	1	1	0.04761771	0.04761771
9	148	0	5.08	0.04761771	0	0.044087222	494.2840003	702.31	702.31	0.008678587	0.044087222	1	1	0.00353049	0.003530488
9	149	0	5.08	0.003530488	0	0.003268811	494.2840003	702.31	702.31	0.000643467	0.003268811	1	1	0.00026168	0.000261677
9	150	0.254	5.08	0.000261677	0	0.000242282	494.2840003	702.564	702.564	4.76932E-05	0.000242282	1	1	0.2540194	0.254019395
9	151	0.762	5.08	0.254019395	0	0.235023814	494.2840003	703.326	703.326	0.04626453	0.235023814	1	1	0.78099558	0.780995581
9	152	0.254	4.064	0.780995581	0	0.574611455	494.2840003	703.58	703.58	0.141390614	0.574611455	1	1	0.46038413	0.460384126
9	153	0	5.08	0.460384126	0	0.42526328	494.2840003	703.58	703.58	0.083713244	0.42526328	1	1	0.03512085	0.035120846
9	154	0	4.826	0.035120846	0	0.030891414	494.2840003	703.58	703.58	0.006401039	0.030891414	1	1	0.00422943	0.004229433
9	155	0	5.588	0.004229433	0	0.004229433	494.2840003	703.58	703.58	0.000770856	0.004307545	1	1	0	0
9	156	0	4.826	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	157	0	4.064	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	158	0	4.572	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	159	0	4.318	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	160	0	3.556	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	161	0	4.064	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	162	0	1.524	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	163	0	2.286	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	164	0	2.032	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	165	0	5.08	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	166	0	5.08	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	167	0	5.588	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	168	0	5.334	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	169	0	4.826	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	170	0	4.572	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	171	0	4.572	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	172	0	5.588	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	173	0	4.826	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	174	0	4.318	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	175	0	4.318	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0

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Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
9	176	0	3.302	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	177	0	3.048	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	178	0	3.048	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	179	0	4.826	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	180	0	4.318	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	181	0	4.064	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	182	0	4.572	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	183	0	3.81	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	184	0	4.318	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	185	0	4.318	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	186	0	4.064	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	187	0	4.826	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	188	0	5.08	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	189	0	5.08	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	190	0	4.572	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	191	0	3.556	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	192	0	3.302	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	193	0	4.826	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	194	0	4.826	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	195	0	4.318	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	196	0	4.572	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	197	0	4.826	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	198	0	4.572	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	199	0	5.08	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	200	0	4.826	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	201	0	4.572	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	202	0	4.572	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	203	0	5.08	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	204	0	4.826	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	205	0	5.08	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	206	0	4.826	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	207	0	3.81	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	208	0	3.81	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	209	0	3.302	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	210	0	3.302	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	211	0	2.286	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	212	0	3.81	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	213	0	3.81	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	214	0	2.54	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	215	0	2.286	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	216	0	2.54	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	217	0	4.064	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	218	0	4.572	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	219	0	3.81	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	220	0	4.826	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	221	0	5.334	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	222	0	4.572	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	223	0	3.302	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0

**Appendix E - Table 1  
 COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
 Proposed Target Development Site  
 Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
9	224	0	2.54	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	225	0	2.794	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	226	0	3.81	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	227	0	3.302	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	228	0	3.556	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	229	0	3.556	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	230	0	3.302	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	231	0	3.556	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	232	0	2.794	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	233	0	2.54	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	234	0	3.556	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	235	0	3.81	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	236	0	3.302	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	237	0	0.762	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	238	0	3.048	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	239	0	2.794	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	240	0	3.302	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	241	0	2.54	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	242	0	3.302	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	243	0	3.302	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	244	0	3.048	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	245	0	3.302	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	246	0	2.794	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	247	0	3.302	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	248	0	3.556	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	249	0	3.556	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	250	0	2.54	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	251	0	1.27	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	252	0	2.794	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	253	0	2.54	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	254	0	3.81	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	255	0	4.064	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	256	0	2.794	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	257	0	1.524	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	258	0	3.81	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	259	0	3.81	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	260	0	4.064	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	261	0	3.81	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	262	0	2.286	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	263	0	3.556	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	264	0	3.302	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	265	0	2.794	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	266	0	3.302	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	267	0	3.302	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	268	0	3.302	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	269	0	1.27	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	270	0	1.524	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	271	0	1.27	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
9	272	0	1.27	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	273	0	1.27	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	274	0	0.508	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	275	0	2.286	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	276	0	3.048	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	277	0	1.27	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	278	0	2.286	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	279	0	1.27	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	280	0	2.794	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	281	0	3.048	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	282	0	2.54	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	283	0	2.54	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	284	0	2.286	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	285	0	2.286	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	286	0	2.032	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	287	0	1.27	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	288	0	1.778	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	289	0	2.032	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	290	0	2.794	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	291	0	3.048	0	0	0	494.2840003	703.58	703.58	0	0	1	1	0	0
9	292	1.778	3.048	0	0	0	494.2840003	705.358	705.358	0	0	1	1	1.778	1.778
9	293	0.762	3.302	1.778	0	1.034093467	494.2840003	706.12	706.12	0.313171856	1.034093467	1	1	1.50590653	1.505906533
9	294	0	3.048	1.505906533	0	0.816181442	494.2840003	706.12	706.12	0.267776064	0.816181442	1	1	0.68972509	0.68972509
9	295	0	2.286	0.68972509	0	0.285867233	494.2840003	706.12	706.12	0.125051283	0.285867233	1	1	0.40385786	0.403857857
9	296	0	2.794	0.403857857	0	0.20528774	494.2840003	706.12	706.12	0.073474495	0.20528774	1	1	0.19857012	0.198570116
9	297	0	2.286	0.198570116	0	0.082697424	494.2840003	706.12	706.12	0.036175601	0.082697424	1	1	0.11587269	0.115872692
9	298	0.254	3.302	0.115872692	0	0.069724439	494.2840003	706.374	706.374	0.021115821	0.069724439	1	1	0.30014825	0.300148253
9	299	0	3.556	0.300148253	0	0.194337257	494.2840003	706.374	706.374	0.054650522	0.194337257	1	1	0.105811	0.105810996
9	300	0	3.556	0.105810996	0	0.068569367	494.2840003	706.374	706.374	0.019282724	0.068569367	1	1	0.03724163	0.037241628
9	301	0.762	3.048	0.037241628	0	0.02068847	494.2840003	707.136	707.136	0.006787556	0.02068847	1	1	0.77855316	0.778553158
9	302	0	1.778	0.778553158	0	0.250616798	494.2840003	707.136	707.136	0.14095433	0.250616798	1	1	0.52793636	0.52793636
9	303	0	1.778	0.52793636	0	0.170556125	494.2840003	707.136	707.136	0.09592583	0.170556125	1	1	0.35738023	0.357380235
9	304	0	1.778	0.357380235	0	0.115648531	494.2840003	707.136	707.136	0.065044168	0.115648531	1	1	0.2417317	0.241731704
9	305	1.524	1.524	0.241731704	0	0.067101021	494.2840003	708.66	708.66	0.044029541	0.067101021	1	1	1.69863068	1.698630683
9	306	7.874	0	1.698630683	0	0	494.2840003	716.534	716.534	0.300066306	0	1	1	9.57263068	9.572630683
9	307	3.81	0.508	9.572630683	0	0.477911274	494.2840003	720.344	720.344	0.940770224	0.477911274	1	1	12.9047194	12.90471941
9	308	0	1.524	12.90471941	0	1.496636937	494.2840003	720.344	720.344	0.982045234	1.496636937	1	1	11.4080825	11.40808247
9	309	0	2.032	11.40808247	0	1.969451782	494.2840003	720.344	720.344	0.969218397	1.969451782	1	1	9.43863069	9.43863069
9	310	0	2.032	9.43863069	0	1.90580741	494.2840003	720.344	720.344	0.937897347	1.90580741	1	1	7.53282328	7.532823281
9	311	0	2.032	7.532823281	0	1.786857088	494.2840003	720.344	720.344	0.879358803	1.786857088	1	1	5.74596619	5.745966193
9	312	0	1.778	5.745966193	0	1.388153578	494.2840003	720.344	720.344	0.780738795	1.388153578	1	1	4.35781262	4.357812615
9	313	0	2.286	4.357812615	0	1.510617954	494.2840003	720.344	720.344	0.660812753	1.510617954	1	1	2.84719466	2.847194661
9	314	0	1.778	2.847194661	0	0.847881229	494.2840003	720.344	720.344	0.476873582	0.847881229	1	1	1.99931343	1.999313432
9	315	8.128	1.016	1.999313432	0	0.354664575	494.2840003	728.472	728.472	0.349079306	0.354664575	1	1	9.77264886	9.772648858
9	316	0	1.778	9.772648858	0	1.679890179	494.2840003	728.472	728.472	0.944820123	1.679890179	1	1	8.09275868	8.092758678
9	317	27.432	0	8.092758678	0	0	494.2840003	755.904	755.904	0.900524405	0	1	1	35.5247587	35.52475868
9	318	0.762	1.778	35.52475868	0	1.777991546	494.2840003	756.666	756.666	0.999995245	1.777991546	1	1	34.5087671	34.50876713
9	319	0	1.778	34.50876713	0	1.777987756	494.2840003	756.666	756.666	0.999993114	1.777987756	1	1	32.7307794	32.73077938

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
9	320	0	1.524	32.73077938	0	1.523979935	494.2840003	756.666	756.666	0.999986834	1.523979935	1	1	31.2067994	31.20679944
9	321	0	1.27	31.20679944	0	1.269970859	494.2840003	756.666	756.666	0.999977054	1.269970859	1	1	29.9368286	29.93682858
9	322	0	1.778	29.93682858	0	1.777935184	494.2840003	756.666	756.666	0.999963545	1.777935184	1	1	28.1588934	28.1588934
9	323	0	1.524	28.1588934	0	1.523893783	494.2840003	756.666	756.666	0.999930304	1.523893783	1	1	26.6349996	26.63499962
9	324	0	1.016	26.63499962	0	1.015876594	494.2840003	756.666	756.666	0.999878537	1.015876594	1	1	25.619123	25.61912302
9	325	0	0.508	25.61912302	0	0.507910645	494.2840003	756.666	756.666	0.999824105	0.507910645	1	1	25.1112124	25.11121238
9	326	0	1.016	25.11121238	0	1.015784947	494.2840003	756.666	756.666	0.999788334	1.015784947	1	1	24.0954274	24.09542743
9	327	0	1.778	24.09542743	0	1.777455032	494.2840003	756.666	756.666	0.999693494	1.777455032	1	1	22.3179724	22.3179724
9	328	0	1.524	22.3179724	0	1.523107207	494.2840003	756.666	756.666	0.999414178	1.523107207	1	1	20.7948652	20.79486519
9	329	0	1.27	20.79486519	0	1.268704024	494.2840003	756.666	756.666	0.998979547	1.268704024	1	1	19.5261612	19.52616117
9	330	0	0.254	19.52616117	0	0.253588525	494.2840003	756.666	756.666	0.998380018	0.253588525	1	1	19.2725726	19.27257264
9	331	0	0.762	19.27257264	0	0.760646132	494.2840003	756.666	756.666	0.99822327	0.760646132	1	1	18.5119265	18.51192651
9	332	0.508	1.27	18.51192651	0	1.26702341	494.2840003	757.174	757.174	0.997656228	1.26702341	1	1	17.7529031	17.7529031
9	333	0	1.524	17.7529031	0	1.519291329	494.2840003	757.174	757.174	0.996910321	1.519291329	1	1	16.2336118	16.23361177
9	334	0	1.524	16.23361177	0	1.515816863	494.2840003	757.174	757.174	0.994630487	1.515816863	1	1	14.7177949	14.71779491
9	335	0	1.778	14.71779491	0	1.761443258	494.2840003	757.174	757.174	0.990687996	1.761443258	1	1	12.9563517	12.95635165
9	336	0	2.032	12.95635165	0	1.996190167	494.2840003	757.174	757.174	0.982377051	1.996190167	1	1	10.9601615	10.96016148
9	337	0	2.032	10.96016148	0	1.958558593	494.2840003	757.174	757.174	0.963857575	1.958558593	1	1	9.00160289	9.00160289
9	338	0	2.032	9.00160289	0	1.884803782	494.2840003	757.174	757.174	0.927560916	1.884803782	1	1	7.11679911	7.116799109
9	339	0	1.778	7.116799109	0	1.530816749	494.2840003	757.174	757.174	0.860976799	1.530816749	1	1	5.58598236	5.58598236
9	340	0	1.778	5.58598236	0	1.367445658	494.2840003	757.174	757.174	0.769092046	1.367445658	1	1	4.2185367	4.218536702
9	341	0	2.032	4.218536702	0	1.313225203	494.2840003	757.174	757.174	0.646272246	1.313225203	1	1	2.9053115	2.905311499
9	342	8.382	0.762	2.905311499	0	0.369581987	494.2840003	765.556	765.556	0.485015731	0.369581987	1	1	10.9177295	10.91772951
9	343	26.162	0.508	10.91772951	0	0.489358707	494.2840003	791.718	791.718	0.96330454	0.489358707	1	1	36.5903708	36.59037081
9	344	21.336	0.508	36.59037081	0	0.507998362	494.2840003	813.054	813.054	0.999996776	0.507998362	1	1	57.4183724	57.41837244
9	345	0	0.508	57.41837244	0	0.507999999	494.2840003	813.054	813.054	0.999999998	0.507999999	1	1	56.9103724	56.91037244
9	346	28.194	0	56.91037244	2.804372445	0	497.0883728	841.248	841.248	0.999999998	0	1	1	85.1043724	82.3
9	347	0	0.508	82.3	0	0.508	497.0883728	841.248	841.248	1	0.508	1	1	81.792	81.792
9	348	0	0.254	81.792	0	0.254	497.0883728	841.248	841.248	1	0.254	1	1	81.538	81.538
9	349	1.524	1.27	81.538	0	1.27	497.0883728	842.772	842.772	1	1.27	1	1	81.792	81.792
9	350	1.016	0.508	81.792	1.13687E-13	0.508	497.0883728	843.788	843.788	1	0.508	1	1	82.3	82.3
9	351	0.762	1.27	82.3	0	1.27	497.0883728	844.55	844.55	1	1.27	1	1	81.792	81.792
9	352	0	1.27	81.792	0	1.27	497.0883728	844.55	844.55	1	1.27	1	1	80.522	80.522
9	353	0	1.27	80.522	0	1.27	497.0883728	844.55	844.55	1	1.27	1	1	79.252	79.252
9	354	0	1.016	79.252	0	1.016	497.0883728	844.55	844.55	1	1.016	1	1	78.236	78.236
9	355	18.034	0	78.236	13.97	0	511.0583728	862.584	862.584	1	0	1	1	96.27	82.3
9	356	0.254	1.27	82.3	0	1.27	511.0583728	862.838	862.838	1	1.27	1	1	81.284	81.284
9	357	0	0.762	81.284	0	0.762	511.0583728	862.838	862.838	1	0.762	1	1	80.522	80.522
9	358	0	0.508	80.522	0	0.508	511.0583728	862.838	862.838	1	0.508	1	1	80.014	80.014
9	359	0	0.762	80.014	0	0.762	511.0583728	862.838	862.838	1	0.762	1	1	79.252	79.252
9	360	17.526	0.508	79.252	13.97	0.508	525.0283728	880.364	880.364	1	0.508	1	1	96.27	82.3
9	361	1.27	1.524	82.3	0	1.524	525.0283728	881.634	881.634	1	1.524	1	1	82.046	82.046
9	362	0	1.778	82.046	0	1.778	525.0283728	881.634	881.634	1	1.778	1	1	80.268	80.268
9	363	0	1.27	80.268	0	1.27	525.0283728	881.634	881.634	1	1.27	1	1	78.998	78.998
9	364	0	1.27	78.998	0	1.27	525.0283728	881.634	881.634	1	1.27	1	1	77.728	77.728
9	365	0	0.508	77.728	0	0.508	525.0283728	881.634	881.634	1	0.508	1	1	77.22	77.22
10	1	0	1.27	82.3	0	1.27	0	0	0	1	1.27	1	1	81.03	81.03
10	2	0	1.016	81.03	0	1.016	0	0	0	1	1.016	1	1	80.014	80.014

**Appendix E - Table 1  
 COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
 Proposed Target Development Site  
 Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
10	3	0	1.27	80.014	0	1.27	0	0	0	1	1.27	1	1	78.744	78.744
10	4	3.048	0.762	78.744	0	0.762	0	3.048	3.048	1	0.762	1	1	81.03	81.03
10	5	0	2.032	81.03	0	2.032	0	3.048	3.048	1	2.032	1	1	78.998	78.998
10	6	0	1.524	78.998	0	1.524	0	3.048	3.048	1	1.524	1	1	77.474	77.474
10	7	0	1.524	77.474	0	1.524	0	3.048	3.048	1	1.524	1	1	75.95	75.95
10	8	0.254	2.286	75.95	0	2.286	0	3.302	3.302	1	2.286	1	1	73.918	73.918
10	9	0	2.286	73.918	0	2.286	0	3.302	3.302	1	2.286	1	1	71.632	71.632
10	10	0	1.524	71.632	0	1.524	0	3.302	3.302	1	1.524	1	1	70.108	70.108
10	11	0	1.524	70.108	0	1.524	0	3.302	3.302	1	1.524	1	1	68.584	68.584
10	12	0	1.778	68.584	0	1.778	0	3.302	3.302	1	1.778	1	1	66.806	66.806
10	13	0	1.778	66.806	0	1.778	0	3.302	3.302	1	1.778	1	1	65.028	65.028
10	14	0	1.524	65.028	0	1.524	0	3.302	3.302	1	1.524	1	1	63.504	63.504
10	15	0	1.778	63.504	0	1.778	0	3.302	3.302	1	1.778	1	1	61.726	61.726
10	16	1.524	1.524	61.726	0	1.523999999	0	4.826	4.826	1	1.523999999	1	1	61.726	61.726
10	17	0.254	1.524	61.726	0	1.523999999	0	5.08	5.08	1	1.523999999	1	1	60.456	60.456
10	18	0	1.524	60.456	0	1.523999999	0	5.08	5.08	0.999999999	1.523999999	1	1	58.932	58.932
10	19	0	1.524	58.932	0	1.523999999	0	5.08	5.08	0.999999999	1.523999999	1	1	57.408	57.408
10	20	0	1.016	57.408	0	1.015999998	0	5.08	5.08	0.999999998	1.015999998	1	1	56.392	56.39200001
10	21	0	2.54	56.39200001	0	2.539999994	0	5.08	5.08	0.999999998	2.539999994	1	1	53.852	53.85200001
10	22	0	2.032	53.85200001	0	2.031999988	0	5.08	5.08	0.999999994	2.031999988	1	1	51.82	51.82000002
10	23	0	2.032	51.82000002	0	2.031999975	0	5.08	5.08	0.999999987	2.031999975	1	1	49.788	49.78800005
10	24	0	2.032	49.78800005	0	2.031999947	0	5.08	5.08	0.999999974	2.031999947	1	1	47.7560001	47.7560001
10	25	0	1.524	47.7560001	0	1.523999916	0	5.08	5.08	0.999999945	1.523999916	1	1	46.2320002	46.23200019
10	26	4.064	0.762	46.23200019	0	0.761999927	0	9.144	9.144	0.999999904	0.761999927	1	1	49.5340003	49.53400026
10	27	10.414	1.27	49.53400026	0	1.269999963	0	19.558	19.558	0.999999971	1.269999963	1	1	58.6780003	58.6780003
10	28	0.254	1.778	58.6780003	0	1.777999998	0	19.812	19.812	0.999999999	1.777999998	1	1	57.1540003	57.1540003
10	29	0	1.27	57.1540003	0	1.269999998	0	19.812	19.812	0.999999998	1.269999998	1	1	55.8840003	55.8840003
10	30	0	1.524	55.8840003	0	1.523999996	0	19.812	19.812	0.999999997	1.523999996	1	1	54.3600003	54.3600003
10	31	0	1.524	54.3600003	0	1.523999992	0	19.812	19.812	0.999999995	1.523999992	1	1	52.8360003	52.83600031
10	32	0	0.762	52.83600031	0	0.761999993	0	19.812	19.812	0.999999991	0.761999993	1	1	52.0740003	52.07400032
10	33	0	1.778	52.07400032	0	1.777999998	0	19.812	19.812	0.999999989	1.777999998	1	1	50.2960003	50.29600034
10	34	0	2.032	50.29600034	0	2.031999956	0	19.812	19.812	0.999999978	2.031999956	1	1	48.2640004	48.26400038
10	35	0	2.286	48.26400038	0	2.285999895	0	19.812	19.812	0.999999954	2.285999895	1	1	45.9780005	45.97800049
10	36	0	1.778	45.97800049	0	1.777999813	0	19.812	19.812	0.999999895	1.777999813	1	1	44.2000007	44.20000068
10	37	0	1.524	44.20000068	0	1.523999693	0	19.812	19.812	0.999999799	1.523999693	1	1	42.676001	42.67600098
10	38	8.128	0.254	42.67600098	0	0.253999911	0	27.94	27.94	0.999999649	0.253999911	1	1	50.5500011	50.55000107
10	39	2.54	0	50.55000107	0	0	0	30.48	30.48	0.999999998	0	1	1	53.0900011	53.09000107
10	40	26.67	0	53.09000107	0	0	0	57.15	57.15	0.999999992	0	1	1	79.7600011	79.76000107
10	41	40.64	0.254	79.76000107	37.84600107	0.254	37.84600107	97.79	97.79	1	0.254	1	1	120.146001	82.3
10	42	0.508	2.032	82.3	0	2.032	37.84600107	98.298	98.298	1	2.032	1	1	80.776	80.776
10	43	14.478	1.27	80.776	11.684	1.27	49.53000107	112.776	112.776	1	1.27	1	1	93.984	82.3
10	44	0.254	1.524	82.3	0	1.524	49.53000107	113.03	113.03	1	1.524	1	1	81.03	81.03
10	45	0	2.032	81.03	0	2.032	49.53000107	113.03	113.03	1	2.032	1	1	78.998	78.998
10	46	0	2.286	78.998	0	2.286	49.53000107	113.03	113.03	1	2.286	1	1	76.712	76.712
10	47	0	2.286	76.712	0	2.286	49.53000107	113.03	113.03	1	2.286	1	1	74.426	74.426
10	48	0	3.048	74.426	0	3.048	49.53000107	113.03	113.03	1	3.048	1	1	71.378	71.378
10	49	0	2.032	71.378	0	2.032	49.53000107	113.03	113.03	1	2.032	1	1	69.346	69.346
10	50	0	2.794	69.346	0	2.794	49.53000107	113.03	113.03	1	2.794	1	1	66.552	66.552

**Appendix E - Table 1  
 COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
 Proposed Target Development Site  
 Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
10	51	0	1.016	66.552	0	1.016	49.53000107	113.03	113.03	1	1.016	1	1	65.536	65.536
10	52	0	1.524	65.536	0	1.524	49.53000107	113.03	113.03	1	1.524	1	1	64.012	64.012
10	53	18.542	1.778	64.012	0	1.778	49.53000107	131.572	131.572	1	1.778	1	1	80.776	80.776
10	54	0.508	2.54	80.776	0	2.54	49.53000107	132.08	132.08	1	2.54	1	1	78.744	78.744
10	55	3.81	1.27	78.744	0	1.27	49.53000107	135.89	135.89	1	1.27	1	1	81.284	81.284
10	56	14.224	1.016	81.284	12.192	1.016	61.72200107	150.114	150.114	1	1.016	1	1	94.492	82.3
10	57	10.16	0.254	82.3	9.906	0.254	71.62800107	160.274	160.274	1	0.254	1	1	92.206	82.3
10	58	16.002	1.778	82.3	14.224	1.778	85.85200107	176.276	176.276	1	1.778	1	1	96.524	82.3
10	59	1.524	2.286	82.3	0	2.286	85.85200107	177.8	177.8	1	2.286	1	1	81.538	81.538
10	60	0	2.032	81.538	0	2.032	85.85200107	177.8	177.8	1	2.032	1	1	79.506	79.506
10	61	0	3.048	79.506	0	3.048	85.85200107	177.8	177.8	1	3.048	1	1	76.458	76.458
10	62	0	3.556	76.458	0	3.556	85.85200107	177.8	177.8	1	3.556	1	1	72.902	72.902
10	63	0	3.556	72.902	0	3.556	85.85200107	177.8	177.8	1	3.556	1	1	69.346	69.346
10	64	0	3.556	69.346	0	3.556	85.85200107	177.8	177.8	1	3.556	1	1	65.79	65.79
10	65	0	3.556	65.79	0	3.556	85.85200107	177.8	177.8	1	3.556	1	1	62.234	62.234
10	66	0	2.54	62.234	0	2.539999999	85.85200107	177.8	177.8	1	2.539999999	1	1	59.694	59.694
10	67	0	3.302	59.694	0	3.301999998	85.85200107	177.8	177.8	0.999999999	3.301999998	1	1	56.392	56.392
10	68	0	3.048	56.392	0	3.047999993	85.85200107	177.8	177.8	0.999999998	3.047999993	1	1	53.344	53.34400001
10	69	0	3.302	53.34400001	0	3.301999976	85.85200107	177.8	177.8	0.999999993	3.301999976	1	1	50.042	50.04200003
10	70	0	4.318	50.04200003	0	4.317999897	85.85200107	177.8	177.8	0.999999976	4.317999897	1	1	45.7240001	45.72400014
10	71	0	4.318	45.72400014	0	4.317999501	85.85200107	177.8	177.8	0.999999885	4.317999501	1	1	41.4060006	41.40600064
10	72	0	4.064	41.40600064	0	4.063997735	85.85200107	177.8	177.8	0.999999443	4.063997735	1	1	37.3420029	37.3420029
10	73	0	3.556	37.3420029	0	3.555991282	85.85200107	177.8	177.8	0.999997548	3.555991282	1	1	33.7860116	33.78601162
10	74	0	4.064	33.78601162	0	4.063963579	85.85200107	177.8	177.8	0.999991038	4.063963579	1	1	29.722048	29.72204804
10	75	0	3.81	29.72204804	0	3.809849797	85.85200107	177.8	177.8	0.999960577	3.809849797	1	1	25.9121982	25.91219824
10	76	0	2.032	25.91219824	0	2.031678794	85.85200107	177.8	177.8	0.999841926	2.031678794	1	1	23.8805194	23.88051945
10	77	0	3.556	23.88051945	0	3.554821261	85.85200107	177.8	177.8	0.999668521	3.554821261	1	1	20.3256982	20.32569819
10	78	0	3.302	20.32569819	0	3.298002374	85.85200107	177.8	177.8	0.998789332	3.298002374	1	1	17.0276958	17.02769581
10	79	2.54	1.27	17.02769581	0	1.264891175	85.85200107	180.34	180.34	0.995977303	1.264891175	1	1	18.3028046	18.30280464
10	80	0	4.064	18.30280464	0	4.053721385	85.85200107	180.34	180.34	0.997470813	4.053721385	1	1	14.2490833	14.24908325
10	81	0	4.064	14.24908325	0	4.019143897	85.85200107	180.34	180.34	0.988962573	4.019143897	1	1	10.2299394	10.22993936
10	82	0	4.064	10.22993936	0	3.873372812	85.85200107	180.34	180.34	0.953093704	3.873372812	1	1	6.35656655	6.356566546
10	83	0	1.016	6.356566546	0	0.833695168	85.85200107	180.34	180.34	0.820566111	0.833695168	1	1	5.52287138	5.522871377
10	84	0	3.048	5.522871377	0	2.329743468	85.85200107	180.34	180.34	0.764351531	2.329743468	1	1	3.19312791	3.193127909
10	85	5.08	1.524	3.193127909	0	0.798732566	85.85200107	185.42	185.42	0.524102734	0.798732566	1	1	7.47439534	7.474395343
10	86	0.254	3.81	7.474395343	0	3.341071401	85.85200107	185.674	185.674	0.876921627	3.341071401	1	1	4.38732394	4.387323943
10	87	0	4.572	4.387323943	0	3.035039798	85.85200107	185.674	185.674	0.663831977	3.035039798	1	1	1.35228414	1.352284145
10	88	0	4.064	1.352284145	0	0.981842278	85.85200107	185.674	185.674	0.241595049	0.981842278	1	1	0.37044187	0.370441867
10	89	0	4.572	0.370441867	0	0.308218355	85.85200107	185.674	185.674	0.067414338	0.308218355	1	1	0.06222351	0.062223511
10	90	0	4.064	0.062223511	0	0.046087274	85.85200107	185.674	185.674	0.011340373	0.046087274	1	1	0.01613624	0.016136237
10	91	0.254	3.556	0.016136237	0	0.010458134	85.85200107	185.928	185.928	0.002940983	0.010458134	1	1	0.2596781	0.259678104
10	92	0	4.064	0.259678104	0	0.192201311	85.85200107	185.928	185.928	0.04729363	0.192201311	1	1	0.06747679	0.067476792
10	93	0.508	4.318	0.067476792	0	0.053101476	85.85200107	186.436	186.436	0.012297702	0.053101476	1	1	0.52237532	0.522375316
10	94	1.016	3.302	0.522375316	0	0.313430802	85.85200107	187.452	187.452	0.094921503	0.313430802	1	1	1.22494451	1.224944514
10	95	0	2.286	1.224944514	0	0.502054802	85.85200107	187.452	187.452	0.219621523	0.502054802	1	1	0.72288971	0.722889712
10	96	0	2.286	0.722889712	0	0.299458633	85.85200107	187.452	187.452	0.130996777	0.299458633	1	1	0.42343108	0.423431079
10	97	0	3.302	0.423431079	0	0.25432568	85.85200107	187.452	187.452	0.077021708	0.25432568	1	1	0.1691054	0.1691054
10	98	0	4.318	0.1691054	0	0.133043619	85.85200107	187.452	187.452	0.030811398	0.133043619	1	1	0.03606178	0.036061781

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 COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
 Proposed Target Development Site  
 Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
10	99	0	4.572	0.036061781	0	0.030049591	85.85200107	187.452	187.452	0.006572526	0.030049591	1	1	0.00601219	0.00601219
10	100	0	4.572	0.00601219	0	0.005009913	85.85200107	187.452	187.452	0.001095781	0.005009913	1	1	0.00100228	0.001002277
10	101	3.302	2.286	0.001002277	0	0.000417595	85.85200107	190.754	190.754	0.000182675	0.000417595	1	1	3.30258468	3.302584682
10	102	0	4.572	3.302584682	0	2.461660332	85.85200107	190.754	190.754	0.538420895	2.461660332	1	1	0.84092435	0.84092435
10	103	0	4.572	0.84092435	0	0.695300366	85.85200107	190.754	190.754	0.152077945	0.695300366	1	1	0.14562398	0.145623984
10	104	3.048	1.524	0.145623984	0	0.040439645	85.85200107	193.802	193.802	0.0265352	0.040439645	1	1	3.15318434	3.153184339
10	105	0	4.826	3.153184339	0	2.503739494	85.85200107	193.802	193.802	0.518802216	2.503739494	1	1	0.64944484	0.649444844
10	106	0	4.826	0.649444844	0	0.568590145	85.85200107	193.802	193.802	0.117818099	0.568590145	1	1	0.0808547	0.0808547
10	107	0	4.318	0.0808547	0	0.063627944	85.85200107	193.802	193.802	0.014735513	0.063627944	1	1	0.01722676	0.017226755
10	108	0.254	4.572	0.017226755	0	0.014354884	85.85200107	194.056	194.056	0.003139738	0.014354884	1	1	0.25687187	0.256871871
10	109	2.032	1.524	0.256871871	0	0.071297745	85.85200107	196.088	196.088	0.046783297	0.071297745	1	1	2.21757413	2.217574126
10	110	4.826	2.032	2.217574126	0	0.779303848	85.85200107	200.914	200.914	0.383515673	0.779303848	1	1	6.26427028	6.264270278
10	111	2.286	1.778	6.264270278	0	1.449060204	85.85200107	203.2	203.2	0.814994491	1.449060204	1	1	7.10121007	7.101210074
10	112	24.638	4.064	7.101210074	0	3.496014999	85.85200107	227.838	227.838	0.860239911	3.496014999	1	1	28.2431951	28.24319507
10	113	0	4.572	28.24319507	0	4.571690993	85.85200107	227.838	227.838	0.999932413	4.571690993	1	1	23.6715041	23.67150408
10	114	0	4.572	23.67150408	0	4.57036452	85.85200107	227.838	227.838	0.999642283	4.57036452	1	1	19.1011396	19.10113956
10	115	0	4.318	19.10113956	0	4.309833827	85.85200107	227.838	227.838	0.998108807	4.309833827	1	1	14.7913057	14.79130574
10	116	0	4.572	14.79130574	0	4.5305461	85.85200107	227.838	227.838	0.990933093	4.5305461	1	1	10.2607596	10.26075964
10	117	0	5.334	10.26075964	0	5.086532124	85.85200107	227.838	227.838	0.953605573	5.086532124	1	1	5.17422751	5.174227511
10	118	0	5.08	5.174227511	0	3.742043014	85.85200107	227.838	227.838	0.73662264	3.742043014	1	1	1.4321845	1.432184498
10	119	0	3.81	1.432184498	0	0.972535481	85.85200107	227.838	227.838	0.255258656	0.972535481	1	1	0.45964902	0.459649017
10	120	0.254	4.064	0.459649017	0	0.339669935	85.85200107	228.092	228.092	0.0835802	0.339669935	1	1	0.37397908	0.373979082
10	121	0	4.572	0.373979082	0	0.311152368	85.85200107	228.092	228.092	0.068056073	0.311152368	1	1	0.06282671	0.062826714
10	122	3.048	3.81	0.062826714	0	0.043625635	85.85200107	231.14	231.14	0.011450298	0.043625635	1	1	3.06720108	3.067201079
10	123	2.032	3.81	3.067201079	0	1.932645357	85.85200107	233.172	233.172	0.507255999	1.932645357	1	1	3.16655572	3.166555722
10	124	8.382	2.794	3.166555722	0	1.45450354	85.85200107	241.554	241.554	0.520581081	1.45450354	1	1	10.0940522	10.09405218
10	125	0	5.588	10.09405218	0	5.312904944	85.85200107	241.554	241.554	0.950770391	5.312904944	1	1	4.78114724	4.781147238
10	126	0	5.588	4.781147238	0	3.923283545	85.85200107	241.554	241.554	0.702090828	3.923283545	1	1	0.85786369	0.857863693
10	127	0	6.096	0.857863693	0	0.857863693	85.85200107	241.554	241.554	0.155092482	0.945443769	1	1	0	0
10	128	0	6.096	0	0	0	85.85200107	241.554	241.554	0	0	1	1	0	0
10	129	0	4.826	0	0	0	85.85200107	241.554	241.554	0	0	1	1	0	0
10	130	0	4.064	0	0	0	85.85200107	241.554	241.554	0	0	1	1	0	0
10	131	0.254	3.048	0	0	0	85.85200107	241.808	241.808	0	0	1	1	0.254	0.254
10	132	0	5.08	0.254	0	0.235005895	85.85200107	241.808	241.808	0.046261003	0.235005895	1	1	0.0189941	0.018994105
10	133	0	4.572	0.018994105	0	0.015827588	85.85200107	241.808	241.808	0.003461852	0.015827588	1	1	0.00316652	0.003166517
10	134	0.762	4.318	0.003166517	0	0.002492045	85.85200107	242.57	242.57	0.000577129	0.002492045	1	1	0.76267447	0.762674472
10	135	0	3.81	0.762674472	0	0.526224359	85.85200107	242.57	242.57	0.13811663	0.526224359	1	1	0.23645011	0.236450113
10	136	0	5.08	0.236450113	0	0.21878922	85.85200107	242.57	242.57	0.043068744	0.21878922	1	1	0.01766089	0.017660893
10	137	0	4.826	0.017660893	0	0.015534236	85.85200107	242.57	242.57	0.003218864	0.015534236	1	1	0.00212666	0.002126657
10	138	0	5.08	0.002126657	0	0.001969031	85.85200107	242.57	242.57	0.000387605	0.001969031	1	1	0.00015763	0.000157626
10	139	0	5.588	0.000157626	0	0.000157626	85.85200107	242.57	242.57	2.87289E-05	0.000160537	1	1	0	0
10	140	0.508	5.334	0	0	0	85.85200107	243.078	243.078	0	0	1	1	0.508	0.508
10	141	0.254	4.826	0.508	0	0.445557672	85.85200107	243.332	243.332	0.092324424	0.445557672	1	1	0.31644233	0.316442328
10	142	0	5.334	0.316442328	0	0.307296658	85.85200107	243.332	243.332	0.057610922	0.307296658	1	1	0.00914567	0.00914567
10	143	0	4.572	0.00914567	0	0.007621015	85.85200107	243.332	243.332	0.001666889	0.007621015	1	1	0.00152466	0.001524656
10	144	0.254	5.08	0.001524656	0	0.00141165	85.85200107	243.586	243.586	0.000277884	0.00141165	1	1	0.25411301	0.254113006
10	145	0	3.556	0.254113006	0	0.164577211	85.85200107	243.586	243.586	0.046281555	0.164577211	1	1	0.0895358	0.089535795
10	146	0.254	2.794	0.089535795	0	0.04559067	85.85200107	243.84	243.84	0.016317348	0.04559067	1	1	0.29794513	0.297945125



**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
10	147	0.254	3.81	0.297945125	0	0.206693151	85.85200107	244.094	244.094	0.054250171	0.206693151	1	1	0.34525197	0.345251975
10	148	0.254	3.048	0.345251975	0	0.191544582	85.85200107	244.348	244.348	0.06284271	0.191544582	1	1	0.40770739	0.407707393
10	149	0	2.032	0.407707393	0	0.15071809	85.85200107	244.348	244.348	0.074172288	0.15071809	1	1	0.2569893	0.256989303
10	150	0	3.81	0.256989303	0	0.178325731	85.85200107	244.348	244.348	0.046804654	0.178325731	1	1	0.07866357	0.078663573
10	151	0	3.81	0.078663573	0	0.054621083	85.85200107	244.348	244.348	0.014336242	0.054621083	1	1	0.02404249	0.024042489
10	152	0	3.048	0.024042489	0	0.013356204	85.85200107	244.348	244.348	0.004381957	0.013356204	1	1	0.01068629	0.010686285
10	153	0	3.556	0.010686285	0	0.006925951	85.85200107	244.348	244.348	0.00194768	0.006925951	1	1	0.00376033	0.003760335
10	154	0	4.064	0.003760335	0	0.002785297	85.85200107	244.348	244.348	0.000685359	0.002785297	1	1	0.00097504	0.000975037
10	155	0	4.826	0.000975037	0	0.00085763	85.85200107	244.348	244.348	0.00017771	0.00085763	1	1	0.00011741	0.000117407
10	156	0	5.08	0.000117407	0	0.000108705	85.85200107	244.348	244.348	2.13987E-05	0.000108705	1	1	8.7021E-06	8.70212E-06
10	157	0	5.588	8.70212E-06	0	8.70212E-06	85.85200107	244.348	244.348	1.58605E-06	8.86284E-06	1	1	0	0
10	158	0.254	5.588	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0.254	0.254
10	159	0	5.334	0.254	0	0.24675619	85.85200107	244.602	244.602	0.046261003	0.24675619	1	1	0.00724381	0.00724381
10	160	0	4.572	0.00724381	0	0.006036212	85.85200107	244.602	244.602	0.001320256	0.006036212	1	1	0.0012076	0.001207599
10	161	0	5.08	0.001207599	0	0.001118092	85.85200107	244.602	244.602	0.000220097	0.001118092	1	1	8.9506E-05	8.95061E-05
10	162	0	5.08	8.95061E-05	0	8.2872E-05	85.85200107	244.602	244.602	1.63134E-05	8.2872E-05	1	1	6.6341E-06	6.63411E-06
10	163	0	5.588	6.63411E-06	0	6.63411E-06	85.85200107	244.602	244.602	1.20913E-06	6.75664E-06	1	1	0	0
10	164	0	6.096	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	165	0	6.096	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	166	0	5.334	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	167	0	3.302	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	168	0	4.318	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	169	0	3.81	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	170	0	1.778	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	171	0	4.572	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	172	0	5.08	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	173	0	5.842	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	174	0	5.842	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	175	0	6.096	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	176	0	5.842	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	177	0	5.08	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	178	0	5.08	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	179	0	5.842	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	180	0	6.096	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	181	0	5.842	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	182	0	5.842	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	183	0	6.096	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	184	0	5.588	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	185	0	5.588	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	186	0	4.572	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	187	0	4.318	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	188	0	3.81	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	189	0	3.048	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	190	0	1.524	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	191	0	1.27	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	192	0	3.81	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	193	0	5.334	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	194	0	5.588	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0

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 COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)  
 Proposed Target Development Site  
 Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
10	195	0	4.826	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	196	0	5.334	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	197	0	5.588	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	198	0	5.08	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	199	0	3.556	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	200	0	5.588	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	201	0	5.588	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	202	0	5.588	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	203	0	5.588	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	204	0	5.08	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	205	0	4.572	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	206	0	4.318	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	207	0	3.556	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	208	0	3.556	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	209	0	4.064	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	210	0	4.572	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	211	0	3.556	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	212	0	2.54	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	213	0	3.81	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	214	0	4.318	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	215	0	4.318	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	216	0	4.572	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	217	0	3.556	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	218	0	4.318	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	219	0	4.572	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	220	0	4.826	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	221	0	4.064	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	222	0	3.81	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	223	0	4.572	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	224	0	5.08	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	225	0	5.334	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	226	0	5.08	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	227	0	5.08	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	228	0	5.588	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	229	0	5.334	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	230	0	5.334	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	231	0	5.08	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	232	0	5.08	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	233	0	4.572	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	234	0	3.81	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	235	0	1.524	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	236	0	3.556	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	237	0	3.556	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	238	0	3.81	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	239	0	4.064	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	240	0	4.318	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	241	0	4.318	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	242	0	4.572	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0

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Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
10	243	0	4.064	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	244	0	4.826	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	245	0	5.08	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	246	0	4.572	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	247	0	4.572	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	248	0	4.572	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	249	0	1.27	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	250	0	3.048	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	251	0	3.048	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	252	0	3.302	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	253	0	3.81	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	254	0	3.556	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	255	0	2.032	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	256	0	4.064	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	257	0	4.064	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	258	0	4.064	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	259	0	3.556	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	260	0	3.81	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	261	0	3.302	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	262	0	2.54	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	263	0	3.81	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	264	0	1.778	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	265	0	1.016	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	266	0	2.286	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	267	0	4.064	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	268	0	4.318	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	269	0	4.572	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	270	0	3.048	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	271	0	0.762	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	272	0	3.556	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	273	0	3.81	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	274	0	3.048	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	275	0	3.81	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	276	0	3.302	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	277	0	3.302	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	278	0	3.302	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	279	0	3.048	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	280	0	3.556	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	281	0	3.556	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	282	0	2.286	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	283	0	2.54	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	284	0	2.794	0	0	0	85.85200107	244.602	244.602	0	0	1	1	0	0
10	285	12.446	0.254	0	0	0	85.85200107	257.048	257.048	0	0	1	1	12.446	12.446
10	286	0	2.794	12.446	0	2.734800703	85.85200107	257.048	257.048	0.978811991	2.734800703	1	1	9.7111993	9.711199297
10	287	0	2.794	9.711199297	0	2.636433529	85.85200107	257.048	257.048	0.943605415	2.636433529	1	1	7.07476577	7.074765769
10	288	1.016	1.27	7.074765769	0	1.090906674	85.85200107	258.064	258.064	0.858981633	1.090906674	1	1	6.9998591	6.999859095
10	289	11.938	1.27	6.999859095	0	1.086307685	85.85200107	270.002	270.002	0.855360382	1.086307685	1	1	17.8515514	17.85155141
10	290	0.508	1.27	17.85155141	0	1.266214494	85.85200107	270.51	270.51	0.997019287	1.266214494	1	1	17.0933369	17.09333692

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
10	291	0	2.54	17.09333692	0	2.530023456	85.85200107	270.51	270.51	0.996072227	2.530023456	1	1	14.5633135	14.56331346
10	292	0.254	2.286	14.56331346	0	2.263485721	85.85200107	270.764	270.764	0.990151234	2.263485721	1	1	12.5538277	12.55382774
10	293	0	2.794	12.55382774	0	2.737059167	85.85200107	270.764	270.764	0.979620317	2.737059167	1	1	9.81676857	9.816768572
10	294	0	3.048	9.816768572	0	2.882422111	85.85200107	270.764	270.764	0.945676545	2.882422111	1	1	6.93434646	6.934346461
10	295	0	3.556	6.934346461	0	3.030150035	85.85200107	270.764	270.764	0.852123182	3.030150035	1	1	3.90419643	3.904196426
10	296	0.508	4.064	3.904196426	0	2.485810573	85.85200107	271.272	271.272	0.611665987	2.485810573	1	1	1.92638585	1.926385854
10	297	0.254	3.302	1.926385854	0	1.113941243	85.85200107	271.526	271.526	0.337353496	1.113941243	1	1	1.06644461	1.066444611
10	298	0	2.286	1.066444611	0	0.438818043	85.85200107	271.526	271.526	0.191958899	0.438818043	1	1	0.62762657	0.627626568
10	299	0.254	1.778	0.627626568	0	0.202505099	85.85200107	271.78	271.78	0.113894881	0.202505099	1	1	0.67912147	0.679121469
10	300	0	2.032	0.679121469	0	0.250237612	85.85200107	271.78	271.78	0.123148431	0.250237612	1	1	0.42888386	0.428883856
10	301	0	2.286	0.428883856	0	0.178329853	85.85200107	271.78	271.78	0.07800956	0.178329853	1	1	0.250554	0.250554003
10	302	1.016	0.762	0.250554003	0	0.034773307	85.85200107	272.796	272.796	0.045634261	0.034773307	1	1	1.2317807	1.231780696
10	303	0	1.778	1.231780696	0	0.392594959	85.85200107	272.796	272.796	0.220807063	0.392594959	1	1	0.83918574	0.839185737
10	304	0	1.27	0.839185737	0	0.192745842	85.85200107	272.796	272.796	0.151768379	0.192745842	1	1	0.6464399	0.646439895
10	305	0	1.524	0.646439895	0	0.178731648	85.85200107	272.796	272.796	0.117277984	0.178731648	1	1	0.46770825	0.467708247
10	306	0	2.54	0.467708247	0	0.215998132	85.85200107	272.796	272.796	0.085038635	0.215998132	1	1	0.25171011	0.251710115
10	307	0	3.048	0.251710115	0	0.139734138	85.85200107	272.796	272.796	0.045844534	0.139734138	1	1	0.11197598	0.111975976
10	308	0	2.286	0.111975976	0	0.046647913	85.85200107	272.796	272.796	0.020405911	0.046647913	1	1	0.06532806	0.065328064
10	309	0	0.508	0.065328064	0	0.006048315	85.85200107	272.796	272.796	0.011906132	0.006048315	1	1	0.05927975	0.059279749
10	310	0	0.762	0.059279749	0	0.008232578	85.85200107	272.796	272.796	0.010803908	0.008232578	1	1	0.05104717	0.051047171
10	311	0	0.762	0.051047171	0	0.007089336	85.85200107	272.796	272.796	0.00930359	0.007089336	1	1	0.04395783	0.043957835
10	312	0	0.508	0.043957835	0	0.004069885	85.85200107	272.796	272.796	0.008011585	0.004069885	1	1	0.03988795	0.03988795
10	313	0	1.016	0.03988795	0	0.007386168	85.85200107	272.796	272.796	0.007269851	0.007386168	1	1	0.03250178	0.032501782
10	314	10.16	0.762	0.032501782	0	0.004513864	85.85200107	282.956	282.956	0.005923706	0.004513864	1	1	10.1879879	10.18798792
10	315	3.556	2.032	10.18798792	0	1.93525262	85.85200107	286.512	286.512	0.952388101	1.93525262	1	1	11.8087353	11.8087353
10	316	0	2.032	11.8087353	0	1.97783769	85.85200107	286.512	286.512	0.97334532	1.97783769	1	1	9.83089761	9.830897607
10	317	0	2.032	9.830897607	0	1.922166473	85.85200107	286.512	286.512	0.945948067	1.922166473	1	1	7.90873113	7.908731135
10	318	0	2.032	7.908731135	0	1.816584313	85.85200107	286.512	286.512	0.893988343	1.816584313	1	1	6.09214682	6.092146822
10	319	0	1.778	6.092146822	0	1.429845875	85.85200107	286.512	286.512	0.804187781	1.429845875	1	1	4.66230095	4.662300946
10	320	0	1.016	4.662300946	0	0.701994438	85.85200107	286.512	286.512	0.690939408	0.701994438	1	1	3.96030651	3.960306508
10	321	0	0.254	3.960306508	0	0.156978722	85.85200107	286.512	286.512	0.618026463	0.156978722	1	1	3.80332779	3.803327786
10	322	0	1.778	3.803327786	0	1.066853975	85.85200107	286.512	286.512	0.600030357	1.066853975	1	1	2.73647381	2.736473812
10	323	0	1.778	2.736473812	0	0.819895113	85.85200107	286.512	286.512	0.461133359	0.819895113	1	1	1.9165787	1.916578699
10	324	0	2.032	1.916578699	0	0.682281622	85.85200107	286.512	286.512	0.335768515	0.682281622	1	1	1.23429708	1.234297077
10	325	0.254	2.032	1.234297077	0	0.449566373	85.85200107	286.766	286.766	0.221243294	0.449566373	1	1	1.0387307	1.038730704
10	326	0	2.032	1.038730704	0	0.380165268	85.85200107	286.766	286.766	0.187089207	0.380165268	1	1	0.65856544	0.658565436
10	327	0	2.286	0.658565436	0	0.273078749	85.85200107	286.766	286.766	0.119457021	0.273078749	1	1	0.38548669	0.385486687
10	328	0	1.524	0.385486687	0	0.106898594	85.85200107	286.766	286.766	0.070143434	0.106898594	1	1	0.27858809	0.278588092
10	329	0	1.016	0.278588092	0	0.051543592	85.85200107	286.766	286.766	0.050731882	0.051543592	1	1	0.2270445	0.2270445
10	330	0	1.778	0.2270445	0	0.073533692	85.85200107	286.766	286.766	0.041357532	0.073533692	1	1	0.15351081	0.153510809
10	331	0	1.778	0.153510809	0	0.049733478	85.85200107	286.766	286.766	0.027971585	0.049733478	1	1	0.10377733	0.10377733
10	332	0	2.286	0.10377733	0	0.043233297	85.85200107	286.766	286.766	0.018912203	0.043233297	1	1	0.06054403	0.060544033
10	333	0	1.778	0.060544033	0	0.019619002	85.85200107	286.766	286.766	0.011034309	0.019619002	1	1	0.04092503	0.040925032
10	334	0	1.524	0.040925032	0	0.011367301	85.85200107	286.766	286.766	0.007458859	0.011367301	1	1	0.02955773	0.029557731
10	335	0	1.27	0.029557731	0	0.006841669	85.85200107	286.766	286.766	0.005387141	0.006841669	1	1	0.02271606	0.022716062
10	336	0	1.27	0.022716062	0	0.005258062	85.85200107	286.766	286.766	0.004140206	0.005258062	1	1	0.017458	0.017458
10	337	0	1.524	0.017458	0	0.004849192	85.85200107	286.766	286.766	0.003181885	0.004849192	1	1	0.01260881	0.012608808
10	338	0	0.508	0.012608808	0	0.001167423	85.85200107	286.766	286.766	0.002298078	0.001167423	1	1	0.01144138	0.011441384

**Appendix E - Table 1**  
**COMPREHENSIVE DAILY SITE WATER BALANCE (1998 - 2007)**  
**Proposed Target Development Site**  
**Scotts Valley, California**

Year	Day of Year	Daily Rainfall	Daily Reference ET	Daily Available Water	Daily Drainage	Daily ET	Cumulative Drainage	Cumulative Rainfall	Cum. Rainfall + Irrigation	ET Soil K Factor	ET demand	Crop Coefficient For Day	Crop Coefficient Temp	AW1	AW2
10	339	0	1.524	0.011441384	0	0.003178003	85.85200107	286.766	286.766	0.002085304	0.003178003	1	1	0.00826338	0.008263381
10	340	0	0	0.008263381	0	0	85.85200107	286.766	286.766	0.001506083	0	1	1	0.00826338	0.008263381
10	341	0	0.508	0.008263381	0	0.00076509	85.85200107	286.766	286.766	0.001506083	0.00076509	1	1	0.00749829	0.007498291
10	342	0	1.016	0.007498291	0	0.001388504	85.85200107	286.766	286.766	0.001366638	0.001388504	1	1	0.00610979	0.006109787
10	343	0	1.524	0.006109787	0	0.00169708	85.85200107	286.766	286.766	0.001113569	0.00169708	1	1	0.00441271	0.004412707
10	344	0	1.524	0.004412707	0	0.001225692	85.85200107	286.766	286.766	0.00080426	0.001225692	1	1	0.00318701	0.003187015
10	345	0	2.032	0.003187015	0	0.001180318	85.85200107	286.766	286.766	0.000580865	0.001180318	1	1	0.0020067	0.002006697
10	346	0	1.524	0.002006697	0	0.000557389	85.85200107	286.766	286.766	0.000365741	0.000557389	1	1	0.00144931	0.001449308
10	347	0	1.27	0.001449308	0	0.000335472	85.85200107	286.766	286.766	0.000264151	0.000335472	1	1	0.00111384	0.001113836
10	348	0	1.27	0.001113836	0	0.00025782	85.85200107	286.766	286.766	0.000203008	0.00025782	1	1	0.00085602	0.000856016
10	349	0	1.27	0.000856016	0	0.000198142	85.85200107	286.766	286.766	0.000156018	0.000198142	1	1	0.00065787	0.000657874
10	350	0	0.508	0.000657874	0	6.09113E-05	85.85200107	286.766	286.766	0.000119904	6.09113E-05	1	1	0.00059696	0.000596963
10	351	0	0.508	0.000596963	0	5.52716E-05	85.85200107	286.766	286.766	0.000108802	5.52716E-05	1	1	0.00054169	0.000541691
10	352	0	0.254	0.000541691	0	2.50771E-05	85.85200107	286.766	286.766	9.87286E-05	2.50771E-05	1	1	0.00051661	0.000516614
10	353	2.286	1.016	0.000516614	0	9.56646E-05	85.85200107	289.052	289.052	9.41581E-05	9.56646E-05	1	1	2.28642095	2.286420949
10	354	27.94	1.524	2.286420949	0	0.60070939	85.85200107	316.992	316.992	0.394166266	0.60070939	1	1	29.6257116	29.62571156
10	355	0	1.27	29.62571156	0	1.269948143	85.85200107	316.992	316.992	0.999959168	1.269948143	1	1	28.3557634	28.35576342
10	356	0	1.524	28.35576342	0	1.523901139	85.85200107	316.992	316.992	0.99993513	1.523901139	1	1	26.8318623	26.83186228
10	357	0	1.524	26.83186228	0	1.523827708	85.85200107	316.992	316.992	0.999886948	1.523827708	1	1	25.3080346	25.30803457
10	358	0	1.524	25.30803457	0	1.523699751	85.85200107	316.992	316.992	0.999802986	1.523699751	1	1	23.7843348	23.78433482
10	359	0	1.778	23.78433482	0	1.777389604	85.85200107	316.992	316.992	0.999656695	1.777389604	1	1	22.0069452	22.00694521
10	360	0	1.524	22.00694521	0	1.52300006	85.85200107	316.992	316.992	0.999343871	1.52300006	1	1	20.4839452	20.48394515
10	361	1.27	1.016	20.48394515	0	1.014838868	85.85200107	318.262	318.262	0.998857153	1.014838868	1	1	20.7391063	20.73910629
10	362	1.778	0.254	20.73910629	0	0.253735486	85.85200107	320.04	320.04	0.998958605	0.253735486	1	1	22.2633708	22.2633708
10	363	4.064	0.254	22.2633708	0	0.253848211	85.85200107	324.104	324.104	0.999402405	0.253848211	1	1	26.0735226	26.07352259
10	364	0	1.524	26.07352259	0	1.523772852	85.85200107	324.104	324.104	0.999850953	1.523772852	1	1	24.5497497	24.54974974
10	365	0	1.778	24.54974974	0	1.777538196	85.85200107	324.104	324.104	0.999740268	1.777538196	1	1	22.7722115	22.77221154