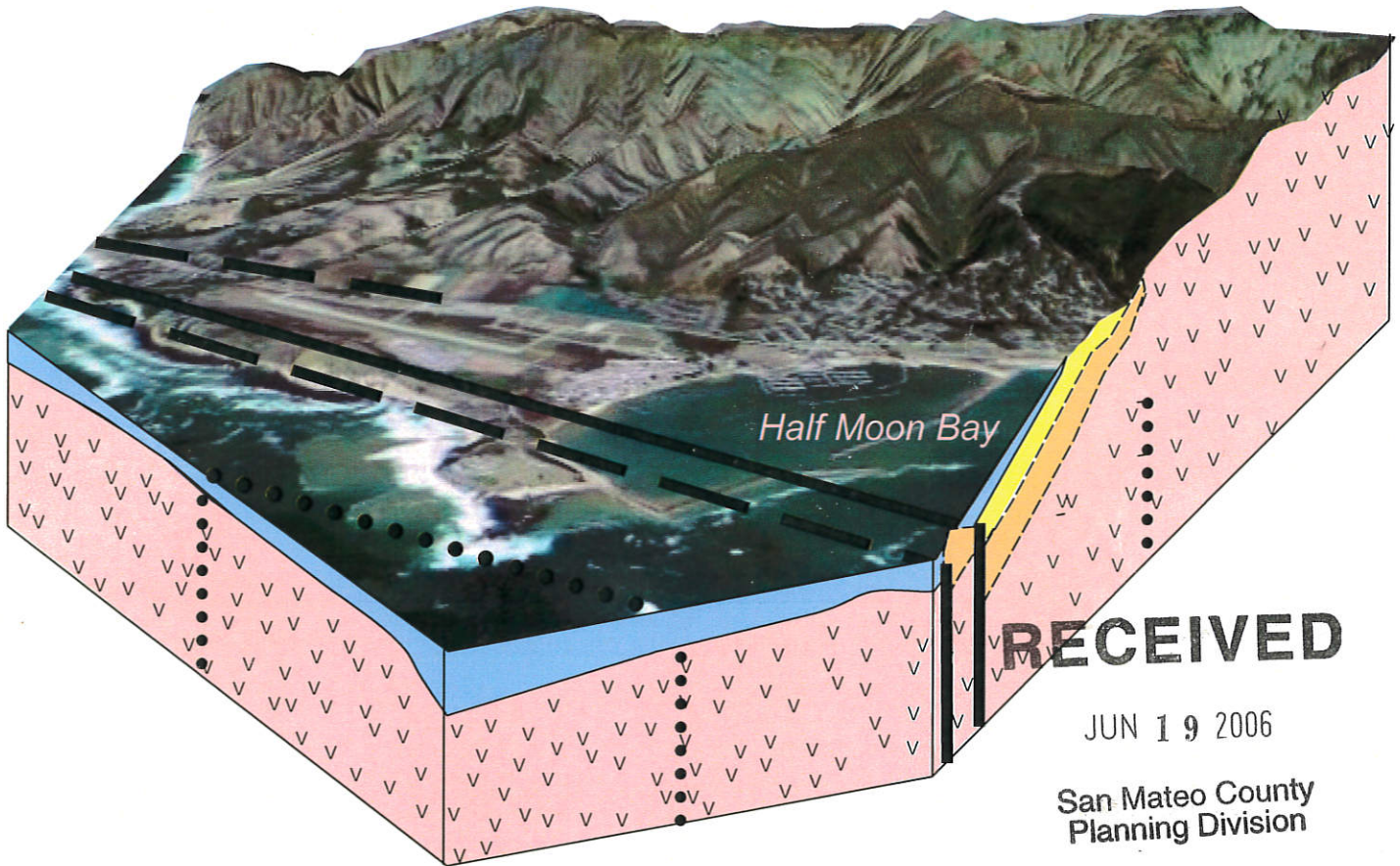




Midcoast Groundwater Study Phase II- Volume II



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San Mateo County
Planning Division

County of San Mateo

The Promise of the Peninsula

**VOLUME II
SAN MATEO COUNTY MIDCOAST
GROUNDWATER STUDY, PHASE II
SAN MATEO COUNTY, CALIFORNIA**

Kleinfelder, Inc.
2011 N. Capitol Avenue
San Jose, California 95132

June 14, 2006

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VOLUME II
SAN MATEO COUNTY
MIDCOAST GROUNDWATER STUDY, PHASE II
SAN MATEO COUNTY, CALIFORNIA

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June 14, 2006
File No.: 26848/4RPT

Ms Lisa Aozasa
County of San Mateo
Planning Services Department
455 County Government Center
Redwood City, California 94063

SUBJECT: San Mateo County Midcoast Groundwater Study, Phase II, San Mateo County, California

Dear Ms Aozasa:

Kleinfelder is pleased to present this Hydrogeologic Report for the San Mateo County Midcoast Groundwater Study, Phase II. Our investigation has consisted of 1) collecting, assessing, and editing water-well, septic and other databases provided by the County, 2) reviewing readily available hydrogeologic reports conducted by other investigators in the vicinity of the project area, 3) conducting site reconnaissance, 4) compiling and assessing well logs from the County's files, 5) reviewing and editing a hydrogeologic graphic information system (GIS) database, 6) analyzing the collected data, and 7) preparing this report that presents our methods, analyzes, findings, and recommendations.

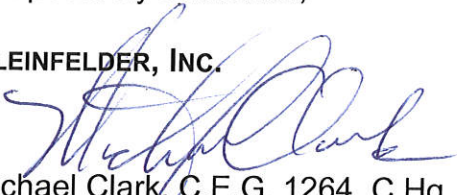
The purpose of the Midcoast Groundwater Phase II Study is to evaluate groundwater conditions and to assess the suitability, long-term, and sustainable water supplies within the study area. Based on the soil-moisture-accounting model used in this study, groundwater in the Midcoast marine terraces (Miramar, El Granada, Airport, and Moss Beach) should remain relatively in balance under current and moderate increases in pumpage. Additional pumping will lower the water table but long-term balance should be achieved assuming pumping is moderate. This balance is sustained because outflow to the ocean is variable, i.e., increased pumping will lower the water table, which will decrease outflow to the ocean. However, increased pumping over long periods and during drier years will increase the number of years that the water table falls to or below sea level and this condition increases the risk of saltwater intrusion.

The accompanying report summarizes the project findings and conclusions. The Midcoast Groundwater Study Phase II report is presented in two volumes. Volume I

contains discussions about the project area, geologic and hydrogeologic conditions, groundwater analysis for the Midcoast Subbasins, along with our conclusions and recommendations for further study. Volume II provides the backup data for the soil-moisture-accounting model analysis. If you have any questions, please contact the undersigned.

Respectively submitted,

KLEINFELDER, INC.

A handwritten signature in blue ink, appearing to read "Michael Clark", is written over the company name.

Michael Clark, C.E.G. 1264, C.Hg. 161
Senior Hydrogeologist

El Granada Water Balance and Backup Data

El Granada Subbasin Water Balance

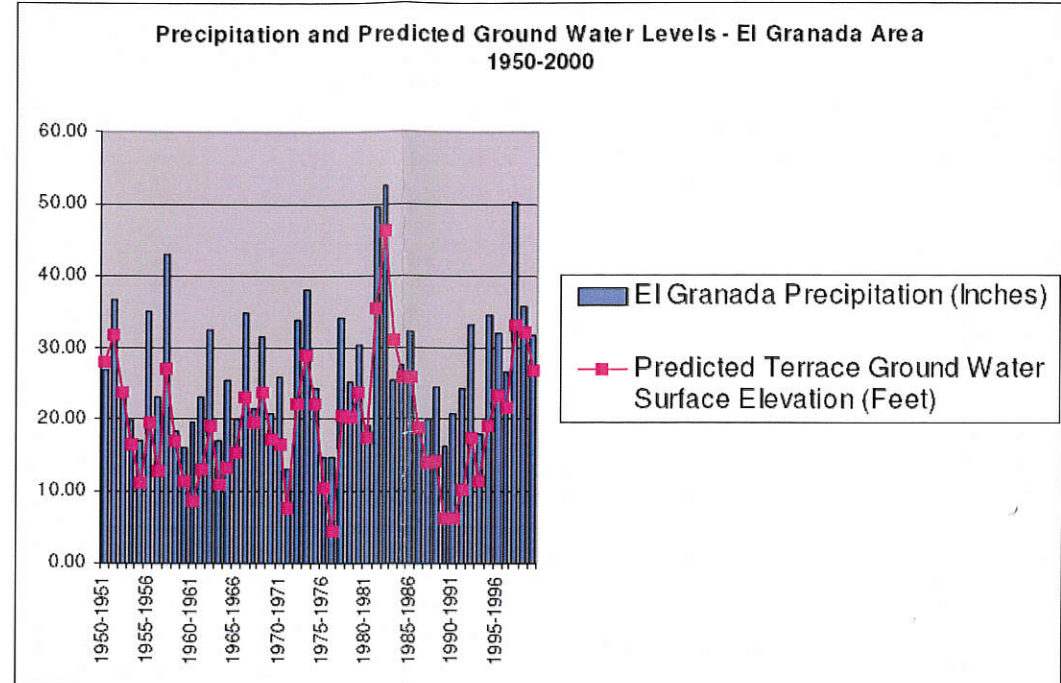
Inputs	
Terrace Area (acres)	452.9
Upland area (acres)	1043.2
Transmissivity (gpd/ft)	3450
Width of terrace area (ft)	7280
Length (gradient)	1100
Porosity (Sy)	0.08
Number of wells Upland	97
Number of wells terrace	237
Pumping rate Upland (gal/day)	250
Pumping rate Terrace (gal/day)	250
RO channel seepage(fraction of F	0.01

Intermediate calcs	
Pumpage Q1 (AF/yr)	27.17
Pumpage Q2 (AF/yr)	66.37

	S	CN	RO%
S - Terrace	1.7		64%
S - Upland	11		19%

Calculated values	
Number of years	55
Total Head (avg)	15.49
Total Head (min)	-0.73
Total Head (max)	43.69
Ocean outflow (avg)	610.0
Ocean outflow (min)	48.8
Ocean outflow (max)	1562.7
Storage volume (average)	561.1
Storage volume (min)	-26.3
Storage volume (max)	1582.8
Average gradient to ocean (for outfall calc)	0.022
Average gradient to ocean (at end of period)	0.014
Avg prelim head gradient to ocean	0.029

Year	Input from Upland and Terrace sheets				Upland perc(1) (Underflow) AF/yr	Net Perc2 AF/yr	Change in Storage AF/yr	Prelim Total Storage AF	Prelim Change in Head (high) ft	Prelim Total Head (high) ft	Avg head ft	Ocean Outflow AF	Final Total Storage AF	Revised Change in Head ft	Final Total Head ft
	Upland Perc(1) (in/yr)	RO1 (in/yr)	Terrace perc(2) (in/yr)	RO2 (in/yr)											
Initial settings													751		20.7
1950-1951	9.24	3.83	0.00	16.60	779.75	-64.94	714.81	1465.81	19.7	40.5	30.591837	782.47	683.34	-1.9	18.9
1951-1952	14.20	11.48	0.00	26.75	1217.27	-62.08	1155.19	1838.53	31.9	50.7	34.801651	890.15	948.38	7.3	26.2
1952-1953	6.36	6.51	0.00	16.35	531.20	-63.94	467.26	1415.64	12.9	39.1	32.623407	834.43	581.21	-10.1	16.0
1953-1954	4.04	1.74	0.00	10.54	325.59	-65.72	259.87	841.07	7.2	23.2	19.627449	502.02	339.05	-6.7	9.4
1954-1955	2.85	1.68	0.00	9.32	222.14	-65.74	156.39	495.44	4.3	13.7	11.515963	294.55	200.89	-3.8	5.5
1955-1956	11.27	13.51	0.00	26.13	964.45	-61.32	903.13	1104.02	24.9	30.5	18.007746	460.60	643.43	12.2	17.8
1956-1957	2.88	2.81	0.00	13.73	225.77	-65.32	160.45	803.87	4.4	22.2	19.972645	510.85	293.02	-9.7	8.1
1957-1958	16.62	12.53	0.00	31.48	1428.17	-61.69	1366.48	1659.50	37.7	45.8	26.944615	689.18	970.32	18.7	26.8
1958-1959	3.15	2.53	0.00	10.94	248.88	-65.49	183.46	1153.77	5.1	31.8	29.312321	749.74	404.03	-15.6	11.2
1959-1960	2.75	1.80	0.00	9.12	213.61	-65.70	147.91	551.94	4.1	15.2	13.192352	337.43	214.51	-5.2	5.9
1960-1961	3.04	1.31	0.00	9.76	238.24	-65.88	172.36	386.87	4.8	10.7	8.298995	212.27	174.60	-1.1	4.8
1961-1962	7.43	4.11	0.00	14.53	622.42	-64.84	557.58	732.18	15.4	20.2	12.513538	320.07	412.11	6.6	11.4
1962-1963	10.47	7.66	0.00	22.71	889.63	-63.51	826.12	1238.23	22.8	34.2	22.774662	582.52	655.71	6.7	18.1
1963-1964	1.60	1.62	0.00	9.24	113.03	-65.77	47.26	702.97	1.3	19.4	18.749621	479.57	223.39	-11.9	6.2
1964-1965	6.81	4.28	0.00	16.33	568.53	-64.77	503.75	727.15	13.9	20.1	13.117457	335.51	391.63	4.6	10.8
1965-1966	7.40	2.76	0.00	12.32	618.22	-65.34	552.88	944.52	15.3	26.1	18.438855	471.62	472.90	2.2	13.1
1966-1967	12.56	10.08	0.00	26.03	1073.90	-62.61	1011.30	1484.19	27.9	41.0	27.007704	690.79	793.40	8.8	21.9
1967-1968	6.71	3.11	0.00	13.09	558.51	-65.21	493.30	1286.69	13.6	35.5	28.705145	734.21	552.48	-6.6	15.2
1968-1969	11.42	7.78	0.00	22.06	972.78	-63.47	909.32	1461.80	25.1	40.3	27.796988	710.98	750.82	5.5	20.7
1969-1970	4.66	3.91	0.00	12.88	381.72	-64.91	316.81	1067.62	8.7	29.5	25.004415	641.86	425.77	-9.0	11.8
1970-1971	6.55	5.99	0.00	16.57	547.60	-64.14	483.46	909.23	13.3	25.1	18.422906	471.21	438.01	0.3	12.1
1971-1972	0.11	0.98	0.00	6.01	-16.64	-66.01	-82.65	355.37	-2.3	9.8	10.948608	280.04	75.33	-10.0	2.1
1972-1973	14.97	9.76	0.00	25.42	1282.43	-62.73	1219.71	1295.03	33.7	35.7	18.910882	483.70	811.34	20.3	22.4
1973-1974	14.49	9.10	0.00	26.82	1240.31	-62.97	1177.34	1988.68	32.5	54.9	38.640035	988.32	1000.35	5.2	27.6
1974-1975	6.42	3.50	0.00	14.48	534.01	-65.07	468.94	1469.30	12.9	40.6	34.081072	871.71	597.58	-11.1	16.5
1975-1976	0.00	0.72	0.00	6.33	-26.54	-66.11	-92.65	504.94	-2.6	13.9	15.214712	389.16	115.78	-13.3	3.2
1976-1977	0.00	0.23	0.00	6.02	-26.97	-66.29	-93.26	22.52	-2.6	0.6	1.9085632	48.82	-26.29	-3.9	-0.7
1977-1978	15.12	8.21	0.00	25.03	1294.45	-63.31	1231.14	1204.84	34.0	33.3	16.263948	415.99	788.85	22.5	21.8
1978-1979	8.36	5.51	0.00	16.92	704.47	-64.31	640.16	1429.01	17.7	39.4	30.606359	782.84	646.17	-3.9	17.8
1979-1980	11.20	5.54	0.00	20.27	951.42	-64.30	887.12	1533.29	24.5	42.3	30.076467	769.29	764.01	3.3	21.1
1980-1981	4.84	3.28	0.00	11.74	396.09	-65.15	330.95	1094.95	9.1	30.2	25.653565	656.16	438.80	-9.0	12.1
1981-1982	21.36	14.87	0.00	37.55	1842.33	-60.82	1781.52	2220.31	49.2	61.3	36.695567	938.59	1281.72	23.3	35.4
1982-1983	22.25	18.24	0.00	40.89	1923.35	-59.56	1863.79	3145.51	51.4	86.8	61.095709	1562.69	1582.83	8.3	43.7
1983-1984	6.10	6.85	0.00	17.00	508.80	-63.81	444.99	2027.82	12.3	56.0	49.826767	1274.45	753.37	-22.9	20.8
1984-1985	8.39	5.92	0.00	18.13	707.65	-64.16	643.49	1396.86	17.8	38.6	29.672956	758.96	637.89	-3.2	17.6
1985-1986	10.53	8.96	0.00	22.69	895.79	-63.02	832.77	1470.66	23.0	40.6	29.097849	744.26	726.40	2.4	20.0
1986-1987	5.11	2.05	0.00	10.86	418.60	-65.61	353.00	1079.40	9.7	29.8	24.919927	637.39	442.00	-7.8	12.2
1987-1988	4.12	2.37	0.00	11.79	333.36	-65.49	267.87	709.87	7.4	19.6	15.895846	406.58	303.29	-3.8	8.4
1988-1989	6.17	4.08	0.00	14.68	512.43	-64.85	447.59	750.88	12.4	20.7	14.547575	372.09	378.79	2.1	10.5
1989-1990	0.00	0.73	0.00	7.84	-26.53	-66.10	-92.63	286.15	-2.6	7.9	9.1761533	234.70	51.45	-9.0	1.4
1990-1991	3.02	4.03	0.00	11.94	239.22	-64.87	174.35	225.80	4.8	6.2	3.8260196	97.86	127.94	2.1	3.5
1991-1992	6.29	4.18	0.00	15.11	523.20	-64.81	458.39	586.33	12.7	16.2	9.8568824	252.12	334.21	5.7	9.2
1992-1993	10.25	8.09	0.00	22.67	871.04	-63.35	807.69	1141.90	22.3	31.5	20.370314	521.03	620.88	7.9	17.1
1993-1994	2.61	1.39	0.00	9.04	201.03	-65.85	135.18	756.06	3.7	20.9	19.00161	486.02	270.04	-9.7	7.5
1994-1995	11.06	10.49	0.00	25.31	943.35	-62.45	880.90	1150.94	24.3	31.8	19.609436	501.56	649.37	10.5	17.9
1995-1996	11.24	8.42	0.00	22.92	957.67	-63.23	894.45	1543.82	24.7	42.6	30.265991	774.13	769.69	3.3	21.2
1996-1997	8.18	7.82	0.00	17.97	690.51	-63.45	627.06	1396.74	17.3	38.5	29.896632	764.69	632.06	-3.8	17.4
1997-1998	17.41	19.51	0.00	39.10	1503.21	-59.08	1444.13	2076.19	39.9	57.3	37.373658	955.93	1120.26	13.5	30.9
1998-1999	12.40	10.91	0.00	25.72	1060.29	-62.30	998.00	2118.26	27.5	58.5	44.691346	1143.10	975.16	-4.0	26.9
1999-2000	8.64	8.30	0.00	21.42	731.09	-63.27	667.82	1642.97	18.4	45.3	36.130095	924.12	718.85	-7.1	19.8
2000-2001	4.04	3.43	0.00	13.67	327.44	-65.09	262.35	981.20	7.2	27.1	23.460598	600.07	381.13	-9.3	10.5
2001-2002	8.17	5.81	0.00	16.76	687.89	-64.20	623.69	1004.82	17.2	27.7	19.126064	489.20	515.62	3.7	14.2
2002-2003	6.69	5.12	0.00	16.36	558.50	-64.46	494.04	875.17	13.6	24.2	17.33686	443.44	431.73	1.4	11.9
2003-2004	8.24	5.38	0.00	15.70	693.84	-64.36	629.48	1061.21	17.4	29.3	20.602498	526.96	534.24	2.8	14.7
2004-2005	13.16	7.84	0.00	25.39	1123.33	-63.44	1059.89	1594.13	29.3	44.0	29.371469	751.25	842.88	8.5	23.3
Count	55	8.05	6.05	17.93	678.22	-64.11	614.1	1171.1	16.9	32.3	23.8	610.0	561.1	0.1	15.5



Percolation Rates for El Granada Terrace

1950 - 2005

Averages			
Years used	55		
Precipitation	27.047		
Adj. Precip	27.859		
Runoff	17.928	64%	
Irrigation		0%	
Evapotrans	33.710	121%	
Percolator	0.000	0%	

Crop Coeff.	
October	1
November	1
December	1
January	1
February	1
March	1
April	1
May	1
June	1
July	1
August	1
September	1

Soil Water	
Holding Capacity: (mean value)	5.3
Land Use	
Contoured Row Crops	
Range	
Farmsteads	
Fallow Row	
S=	1.7
Adj. Precip. Facto	1.03
Irrigation efficien	1

1947-1948	Monthly Input	SCS equation		(Initial =0)		calc		calc		Available to Recharge	
	in.	in.	in.	(input or cal. in.)	(Initial =0) in.	in.	in.	in.	in.	in.	in.
Month	precipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	Total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October		0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November		0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December		0.00	0.00	0.00	0.00	0.00	0.98	0.98	0.00	5.30	0.00
January		0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.00	5.30	0.00
February		0.00	0.00	0.00	0.00	0.00	1.65	1.65	0.00	5.30	0.00
March		0.00	0.00	0.00	0.00	0.00	2.44	2.44	0.00	5.30	0.00
April		0.00	0.00	0.00	0.00	0.00	2.95	2.95	0.00	5.30	0.00
May		0.00	0.00	0.00	0.00	0.00	3.91	3.91	0.00	5.30	0.00
June		0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.04	0.04	0.00	0.00	0.00	0.04	3.54	3.54	0.00	5.30	0.00
Totals	0.04	0.04	0.00	0.0%						Total Mean \	0.000

1948-1949	Month	precipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	Total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October		0.55	0.57	0.03	0.00	0.00	0.54	2.81	2.81	0.00	5.30	0.00
November		0.66	0.68	0.06	0.00	0.00	0.62	1.30	1.30	0.00	5.30	0.00
December		4.99	5.14	3.54	0.00	0.00	1.60	0.98	0.98	0.62	5.30	0.00
January		1.73	1.78	0.66	0.00	0.62	1.74	1.46	1.46	0.28	5.30	0.00
February		3.91	4.03	2.52	0.00	0.28	1.78	1.65	1.65	0.13	5.30	0.00
March		4.96	5.11	3.52	0.00	0.13	1.72	2.44	2.44	0.00	5.30	0.00
April		0.00	0.00	0.00	0.00	0.00	0.00	2.95	2.95	0.00	5.30	0.00
May		0.41	0.42	0.00	0.00	0.00	0.42	3.91	3.91	0.00	5.30	0.00
June		0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July		0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August		0.17	0.18	0.00	0.00	0.00	0.18	4.15	4.15	0.00	5.30	0.00
September			0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
		17.38	17.90	10.33	57.7%						Total Mean \	0.000

1949-1950	Month	precipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	Total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October		0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November			0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December			0.00	0.00	0.00	0.00	0.00	0.98	0.98	0.00	5.30	0.00
January			0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.00	5.30	0.00
February		2.24	2.31	1.06	0.00	0.00	1.25	1.65	1.65	0.00	5.30	0.00
March		1.34	1.38	0.39	0.00	0.00	0.99	2.44	2.44	0.00	5.30	0.00
April		2.12	2.18	0.96	0.00	0.00	1.22	2.95	2.95	0.00	5.30	0.00
May		0.37	0.38	0.00	0.00	0.00	0.38	3.91	3.91	0.00	5.30	0.00
June		0.14	0.14	0.00	0.00	0.00	0.14	4.25	4.25	0.00	5.30	0.00
July		0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August		0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September		0.08	0.08	0.00	0.00	0.00	0.08	3.54	3.54	0.00	5.30	0.00
		6.29	6.48	2.41	37.2%						Total Mean \	0.000

Percolation Rates for El Granada Terrace

1950-1951											
Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	1.95	2.01	0.83	0.00	0.00	1.18	2.81	2.81	0.00	5.30	0.00
November	5.46	5.62	4.00	0.00	0.00	1.63	1.30	1.30	0.33	5.30	0.00
December	6.01	6.19	4.53	0.00	0.33	1.98	0.98	0.98	1.00	5.30	0.00
January	5.11	5.26	3.66	0.00	1.00	2.61	1.46	1.46	1.15	5.30	0.00
February	2.98	3.07	1.68	0.00	1.15	2.53	1.65	1.65	0.88	5.30	0.00
March	2.84	2.93	1.56	0.00	0.88	2.25	2.44	2.44	0.00	5.30	0.00
April	0.91	0.94	0.16	0.00	0.00	0.78	2.95	2.95	0.00	5.30	0.00
May	0.98	1.01	0.19	0.00	0.00	0.82	3.91	3.91	0.00	5.30	0.00
June	0.17	0.18	0.00	0.00	0.00	0.18	4.25	4.25	0.00	5.30	0.00
July	0.12	0.12	0.00	0.00	0.00	0.12	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.28	0.29	0.00	0.00	0.00	0.29	3.54	3.54	0.00	5.30	0.00
Total Mean \											0.000
26.81 27.61 16.60 60.1%											

1951-1952											
Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	1.16	1.19	0.29	0.00	0.00	0.91	2.81	2.81	0.00	5.30	0.00
November	4.15	4.27	2.75	0.00	0.00	1.53	1.30	1.30	0.23	5.30	0.00
December	11.30	11.64	9.82	0.00	0.23	2.04	0.98	0.98	1.06	5.30	0.00
January	9.31	9.59	7.81	0.00	1.06	2.84	1.46	1.46	1.38	5.30	0.00
February	2.20	2.27	1.02	0.00	1.38	2.62	1.65	1.65	0.97	5.30	0.00
March	6.21	6.40	4.73	0.00	0.97	2.64	2.44	2.44	0.20	5.30	0.00
April	0.62	0.64	0.04	0.00	0.20	0.80	2.95	2.95	0.00	5.30	0.00
May	0.45	0.46	0.01	0.00	0.00	0.46	3.91	3.91	0.00	5.30	0.00
June	1.14	1.17	0.27	0.00	0.00	0.90	4.25	4.25	0.00	5.30	0.00
July	0.03	0.03	0.00	0.00	0.00	0.03	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.15	0.15	0.00	0.00	0.00	0.15	3.54	3.54	0.00	5.30	0.00
Total Mean \											0.000
36.72 37.82 26.75 70.7%											

1952-1953											
Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	0.27	0.28	0.00	0.00	0.00	0.28	2.81	2.81	0.00	5.30	0.00
November	2.66	2.74	1.40	0.00	0.00	1.34	1.30	1.30	0.04	5.30	0.00
December	11.36	11.70	9.88	0.00	0.04	1.85	0.98	0.98	0.87	5.30	0.00
January	4.55	4.69	3.12	0.00	0.87	2.44	1.46	1.46	0.98	5.30	0.00
February		0.00	0.00	0.00	0.98	0.98	1.65	1.65	0.00	5.30	0.00
March		0.00	0.00	0.00	0.00	0.00	2.44	2.44	0.00	5.30	0.00
April	3.17	3.27	1.85	0.00	0.00	1.42	2.95	2.95	0.00	5.30	0.00
May	0.60	0.62	0.04	0.00	0.00	0.58	3.91	3.91	0.00	5.30	0.00
June	0.56	0.58	0.03	0.00	0.00	0.55	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.53	0.55	0.02	0.00	0.00	0.52	4.15	4.15	0.00	5.30	0.00
September	0.12	0.12	0.00	0.00	0.00	0.12	3.54	3.54	0.00	5.30	0.00
Total Mean \											0.000
23.82 24.53 16.35 66.6%											

1953-1954											
Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	0.67	0.69	0.06	0.00	0.00	0.63	2.81	2.81	0.00	5.30	0.00
November	3.33	3.43	1.99	0.00	0.00	1.44	1.30	1.30	0.14	5.30	0.00
December	1.04	1.07	0.22	0.00	0.14	0.99	0.98	0.98	0.01	5.30	0.00
January	4.18	4.31	2.78	0.00	0.01	1.54	1.46	1.46	0.08	5.30	0.00
February	2.58	2.66	1.34	0.00	0.08	1.40	1.65	1.65	0.00	5.30	0.00
March	5.03	5.18	3.58	0.00	0.00	1.60	2.44	2.44	0.00	5.30	0.00
April	1.49	1.53	0.49	0.00	0.00	1.04	2.95	2.95	0.00	5.30	0.00
May	0.06	0.06	0.00	0.00	0.00	0.06	3.91	3.91	0.00	5.30	0.00
June	0.64	0.66	0.05	0.00	0.00	0.61	4.25	4.25	0.00	5.30	0.00
July	0.10	0.10	0.00	0.00	0.00	0.10	4.27	4.27	0.00	5.30	0.00
August	0.55	0.57	0.03	0.00	0.00	0.54	4.15	4.15	0.00	5.30	0.00
September	0.08	0.08	0.00	0.00	0.00	0.08	3.54	3.54	0.00	5.30	0.00
Total Mean \											0.000
19.75 20.34 10.54 51.8%											

Percolation Rates for El Granada Terrace

1954-1955											
Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	Total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	0.23	0.24	0.00	0.00	0.00	0.24	2.81	2.81	0.00	5.30	0.00
November	1.96	2.02	0.83	0.00	0.00	1.18	1.30	1.30	0.00	5.30	0.00
December	4.53	4.67	3.11	0.00	0.00	1.56	0.98	0.98	0.58	5.30	0.00
January	5.06	5.21	3.61	0.00	0.58	2.18	1.46	1.46	0.72	5.30	0.00
February	1.37	1.41	0.41	0.00	0.72	1.72	1.65	1.65	0.07	5.30	0.00
March	0.28	0.29	0.00	0.00	0.07	0.36	2.44	2.44	0.00	5.30	0.00
April	2.60	2.68	1.35	0.00	0.00	1.32	2.95	2.95	0.00	5.30	0.00
May	0.36	0.37	0.00	0.00	0.00	0.37	3.91	3.91	0.00	5.30	0.00
June	0.07	0.07	0.00	0.00	0.00	0.07	4.25	4.25	0.00	5.30	0.00
July	0.17	0.18	0.00	0.00	0.00	0.18	4.27	4.27	0.00	5.30	0.00
August	0.12	0.12	0.00	0.00	0.00	0.12	4.15	4.15	0.00	5.30	0.00
September	0.28	0.29	0.00	0.00	0.00	0.29	3.54	3.54	0.00	5.30	0.00
Total Mean \											0.00
17.03											17.54
9.32											53.1%

1955-1956											
Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	Total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	0.21	0.22	0.00	0.00	0.00	0.22	2.81	2.81	0.00	5.30	0.00
November	2.32	2.39	1.12	0.00	0.00	1.27	1.30	1.30	0.00	5.30	0.00
December	13.81	14.22	12.37	0.00	0.00	1.85	0.98	0.98	0.87	5.30	0.00
January	11.38	11.72	9.90	0.00	0.87	2.69	1.46	1.46	1.23	5.30	0.00
February	2.81	2.89	1.53	0.00	1.23	2.59	1.65	1.65	0.94	5.30	0.00
March	0.00	0.00	0.00	0.00	0.94	0.94	2.44	2.44	0.00	5.30	0.00
April	1.88	1.94	0.77	0.00	0.00	1.16	2.95	2.95	0.00	5.30	0.00
May	1.37	1.41	0.41	0.00	0.00	1.00	3.91	3.91	0.00	5.30	0.00
June	0.07	0.07	0.00	0.00	0.00	0.07	4.25	4.25	0.00	5.30	0.00
July	0.25	0.26	0.00	0.00	0.00	0.26	4.27	4.27	0.00	5.30	0.00
August	0.45	0.46	0.01	0.00	0.00	0.46	4.15	4.15	0.00	5.30	0.00
September	0.45	0.46	0.01	0.00	0.00	0.46	3.54	3.54	0.00	5.30	0.00
Total Mean \											0.00
35.00											36.05
26.13											72.5%

1956-1957											
Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	Total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	1.75	1.80	0.68	0.00	0.00	1.13	2.81	2.81	0.00	5.30	0.00
November	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	0.57	0.59	0.03	0.00	0.00	0.56	0.98	0.98	0.00	5.30	0.00
January	3.31	3.41	1.98	0.00	0.00	1.43	1.46	1.46	0.00	5.30	0.00
February	4.42	4.55	3.00	0.00	0.00	1.55	1.65	1.65	0.00	5.30	0.00
March	5.98	6.16	4.50	0.00	0.00	1.66	2.44	2.44	0.00	5.30	0.00
April	1.65	1.70	0.60	0.00	0.00	1.10	2.95	2.95	0.00	5.30	0.00
May	4.10	4.22	2.70	0.00	0.00	1.52	3.91	3.91	0.00	5.30	0.00
June	0.08	0.08	0.00	0.00	0.00	0.08	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.08	0.08	0.00	0.00	0.00	0.08	4.15	4.15	0.00	5.30	0.00
September	1.08	1.11	0.24	0.00	0.00	0.87	3.54	3.54	0.00	5.30	0.00
Total Mean \											0.00
23.02											23.71
13.73											57.9%

1957-1958											
Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	Total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	3.17	3.27	1.85	0.00	0.00	1.42	2.81	2.81	0.00	5.30	0.00
November	1.78	1.83	0.70	0.00	0.00	1.14	1.30	1.30	0.00	5.30	0.00
December	3.88	4.00	2.50	0.00	0.00	1.50	0.98	0.98	0.52	5.30	0.00
January	6.23	6.42	4.75	0.00	0.52	2.19	1.46	1.46	0.73	5.30	0.00
February	10.79	11.11	9.31	0.00	0.73	2.54	1.65	1.65	0.89	5.30	0.00
March	9.38	9.66	7.88	0.00	0.89	2.66	2.44	2.44	0.22	5.30	0.00
April	5.83	6.00	4.36	0.00	0.22	1.87	2.95	2.95	0.00	5.30	0.00
May	0.68	0.70	0.06	0.00	0.00	0.64	3.91	3.91	0.00	5.30	0.00
June	0.71	0.73	0.07	0.00	0.00	0.66	4.25	4.25	0.00	5.30	0.00
July	0.38	0.39	0.00	0.00	0.00	0.39	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.18	0.19	0.00	0.00	0.00	0.19	3.54	3.54	0.00	5.30	0.00
Total Mean \											0.00
43.01											44.30
31.48											71.1%

Percolation Rates for El Granada Terrace

1958-1959

Month	recipitatio	Adjusted	Direct Runoff	rrigation	Initial Soil	total Availabl	ETp	Etc	Net Soil	oil Water	Percolation
		Precipitation			Moisture	Soil Moisture			Moisture	ing Capacity	
October	0.27	0.28	0.00	0.00	0.00	0.28	2.81	2.81	0.00	5.30	0.00
November	0.50	0.52	0.02	0.00	0.00	0.50	1.30	1.30	0.00	5.30	0.00
December	1.89	1.95	0.78	0.00	0.00	1.17	0.98	0.98	0.19	5.30	0.00
January	5.07	5.22	3.62	0.00	0.19	1.79	1.46	1.46	0.33	5.30	0.00
February	5.64	5.81	4.17	0.00	0.33	1.96	1.65	1.65	0.31	5.30	0.00
March	0.64	0.66	0.05	0.00	0.31	0.92	2.44	2.44	0.00	5.30	0.00
April	0.42	0.43	0.00	0.00	0.00	0.43	2.95	2.95	0.00	5.30	0.00
May	0.36	0.37	0.00	0.00	0.00	0.37	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.21	0.22	0.00	0.00	0.00	0.22	4.15	4.15	0.00	5.30	0.00
September	3.66	3.77	2.29	0.00	0.00	1.48	3.54	3.54	0.00	5.30	0.00

18.66 19.22

10.94

56.9%

Total yield 0.000

1959-1960

Month	recipitatio	Adjusted	Direct Runoff	rrigation	Initial Soil	total Availabl	ETp	Etc	Net Soil	oil Water	Percolation
		Precipitation			Moisture	Soil Moisture			Moisture	ing Capacity	
October	0.40	0.41	0.00	0.00	0.00	0.41	2.81	2.81	0.00	5.30	0.00
November	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	1.97	2.03	0.84	0.00	0.00	1.19	0.98	0.98	0.21	5.30	0.00
January	5.29	5.45	3.83	0.00	0.21	1.82	1.46	1.46	0.36	5.30	0.00
February	4.66	4.80	3.23	0.00	0.36	1.93	1.65	1.65	0.28	5.30	0.00
March	1.90	1.96	0.79	0.00	0.28	1.45	2.44	2.44	0.00	5.30	0.00
April	1.27	1.31	0.35	0.00	0.00	0.96	2.95	2.95	0.00	5.30	0.00
May	0.71	0.73	0.07	0.00	0.00	0.66	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00

16.20 16.69

9.12

54.7%

Total yield 0.000

1960-1961

Month	recipitatio	Adjusted	Direct Runoff	rrigation	Initial Soil	total Availabl	ETp	Etc	Net Soil	oil Water	Percolation
		Precipitation			Moisture	Soil Moisture			Moisture	ing Capacity	
October	0.88	0.91	0.14	0.00	0.00	0.76	2.81	2.81	0.00	5.30	0.00
November	5.12	5.27	3.67	0.00	0.00	1.60	1.30	1.30	0.30	5.30	0.00
December	1.70	1.75	0.64	0.00	0.30	1.42	0.98	0.98	0.44	5.30	0.00
January	2.98	3.07	1.68	0.00	0.44	1.82	1.46	1.46	0.36	5.30	0.00
February	1.89	1.95	0.78	0.00	0.36	1.53	1.65	1.65	0.00	5.30	0.00
March	3.25	3.35	1.92	0.00	0.00	1.43	2.44	2.44	0.00	5.30	0.00
April	1.06	1.09	0.23	0.00	0.00	0.86	2.95	2.95	0.00	5.30	0.00
May	1.73	1.78	0.66	0.00	0.00	1.12	3.91	3.91	0.00	5.30	0.00
June	0.22	0.23	0.00	0.00	0.00	0.23	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.10	0.10	0.00	0.00	0.00	0.10	4.15	4.15	0.00	5.30	0.00
September	0.57	0.59	0.03	0.00	0.00	0.56	3.54	3.54	0.00	5.30	0.00

19.50 20.09

9.76

48.6%

Total yield 0.000

1961-1962

Month	recipitatio	Adjusted	Direct Runoff	rrigation	Initial Soil	total Availabl	ETp	Etc	Net Soil	oil Water	Percolation
		Precipitation			Moisture	Soil Moisture			Moisture	ing Capacity	
October	0.12	0.12	0.00	0.00	0.00	0.12	2.81	2.81	0.00	5.30	0.00
November	3.66	3.77	2.29	0.00	0.00	1.48	1.30	1.30	0.18	5.30	0.00
December	3.18	3.28	1.86	0.00	0.18	1.59	0.98	0.98	0.61	5.30	0.00
January	2.09	2.15	0.94	0.00	0.61	1.83	1.46	1.46	0.37	5.30	0.00
February	8.64	8.90	7.14	0.00	0.37	2.13	1.65	1.65	0.48	5.30	0.00
March	3.52	3.63	2.17	0.00	0.48	1.94	2.44	2.44	0.00	5.30	0.00
April	0.82	0.84	0.12	0.00	0.00	0.73	2.95	2.95	0.00	5.30	0.00
May	0.24	0.25	0.00	0.00	0.00	0.25	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.29	0.30	0.00	0.00	0.00	0.30	4.15	4.15	0.00	5.30	0.00
September	0.51	0.53	0.02	0.00	0.00	0.51	3.54	3.54	0.00	5.30	0.00

23.07 23.76

14.53

61.1%

Total Mean \ 0.000

Percolation Rates for El Granada Terrace

1962-1963

Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	10.97	11.30	9.49	0.00	0.00	1.81	2.81	2.81	0.00	5.30	0.00
November	0.60	0.62	0.04	0.00	0.00	0.58	1.30	1.30	0.00	5.30	0.00
December	3.57	3.68	2.21	0.00	0.00	1.47	0.98	0.98	0.49	5.30	0.00
January	3.44	3.54	2.09	0.00	0.49	1.94	1.46	1.46	0.48	5.30	0.00
February	3.65	3.76	2.28	0.00	0.48	1.95	1.65	1.65	0.30	5.30	0.00
March	4.33	4.46	2.92	0.00	0.30	1.85	2.44	2.44	0.00	5.30	0.00
April	5.08	5.23	3.63	0.00	0.00	1.60	2.95	2.95	0.00	5.30	0.00
May	0.64	0.66	0.05	0.00	0.00	0.61	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.03	0.03	0.00	0.00	0.00	0.03	4.15	4.15	0.00	5.30	0.00
September	0.09	0.09	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00

32.40 33.37 22.71 68.1% Total Mean \ 0.000

1963-1964

Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	2.48	2.55	1.25	0.00	0.00	1.30	2.81	2.81	0.00	5.30	0.00
November	4.00	4.12	2.61	0.00	0.00	1.51	1.30	1.30	0.21	5.30	0.00
December	1.04	1.07	0.22	0.00	0.21	1.06	0.98	0.98	0.08	5.30	0.00
January	5.32	5.48	3.86	0.00	0.08	1.70	1.46	1.46	0.24	5.30	0.00
February	0.52	0.54	0.02	0.00	0.24	0.76	1.65	1.65	0.00	5.30	0.00
March	2.46	2.53	1.24	0.00	0.00	1.30	2.44	2.44	0.00	5.30	0.00
April	0.23	0.24	0.00	0.00	0.00	0.24	2.95	2.95	0.00	5.30	0.00
May	0.47	0.48	0.01	0.00	0.00	0.47	3.91	3.91	0.00	5.30	0.00
June	0.58	0.60	0.03	0.00	0.00	0.56	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00

17.10 17.61 9.24 52.5% Total Mean \ 0.000

1964-1965

Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	1.89	1.95	0.78	0.00	0.00	1.17	2.81	2.81	0.00	5.30	0.00
November	3.11	3.20	1.80	0.00	0.00	1.41	1.30	1.30	0.11	5.30	0.00
December	7.50	7.73	6.00	0.00	0.11	1.83	0.98	0.98	0.85	5.30	0.00
January	4.41	4.54	2.99	0.00	0.85	2.40	1.46	1.46	0.94	5.30	0.00
February	1.40	1.44	0.43	0.00	0.94	1.95	1.65	1.65	0.30	5.30	0.00
March	1.58	1.63	0.55	0.00	0.30	1.37	2.44	2.44	0.00	5.30	0.00
April	5.22	5.38	3.77	0.00	0.00	1.61	2.95	2.95	0.00	5.30	0.00
May	0.00	0.00	0.00	0.00	0.00	0.00	3.91	3.91	0.00	5.30	0.00
June	0.06	0.06	0.00	0.00	0.00	0.06	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.23	0.24	0.00	0.00	0.00	0.24	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00

25.40 26.16 16.33 62.4% Total Mean \ 0.000

1965-1966

Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November	5.58	5.75	4.11	0.00	0.00	1.63	1.30	1.30	0.33	5.30	0.00
December	4.96	5.11	3.52	0.00	0.33	1.93	0.98	0.98	0.95	5.30	0.00
January	3.77	3.88	2.39	0.00	0.95	2.44	1.46	1.46	0.98	5.30	0.00
February	3.51	3.62	2.16	0.00	0.98	2.43	1.65	1.65	0.78	5.30	0.00
March	0.68	0.70	0.06	0.00	0.78	1.42	2.44	2.44	0.00	5.30	0.00
April	0.71	0.73	0.07	0.00	0.00	0.66	2.95	2.95	0.00	5.30	0.00
May	0.20	0.21	0.00	0.00	0.00	0.21	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.12	0.12	0.00	0.00	0.00	0.12	4.27	4.27	0.00	5.30	0.00
August	0.27	0.28	0.00	0.00	0.00	0.28	4.15	4.15	0.00	5.30	0.00
September	0.25	0.26	0.00	0.00	0.00	0.26	3.54	3.54	0.00	5.30	0.00

20.05 20.65 12.32 59.6% Total Mean \ 0.000

Percolation Rates for El Granada Terrace

1966-1967

Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November	5.18	5.34	3.73	0.00	0.00	1.61	1.30	1.30	0.31	5.30	0.00
December	3.62	3.73	2.26	0.00	0.31	1.78	0.98	0.98	0.80	5.30	0.00
January	10.44	10.75	8.95	0.00	0.80	2.60	1.46	1.46	1.14	5.30	0.00
February	0.25	0.26	0.00	0.00	1.14	1.40	1.65	1.65	0.00	5.30	0.00
March	6.18	6.37	4.70	0.00	0.00	1.67	2.44	2.44	0.00	5.30	0.00
April	7.43	7.65	5.93	0.00	0.00	1.72	2.95	2.95	0.00	5.30	0.00
May	0.25	0.26	0.00	0.00	0.00	0.26	3.91	3.91	0.00	5.30	0.00
June	1.44	1.48	0.46	0.00	0.00	1.02	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00

Total Mean \ 0.000

34.79 35.83 26.03 72.6%

1967-1968

Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	0.76	0.78	0.09	0.00	0.00	0.69	2.81	2.81	0.00	5.30	0.00
November	2.13	2.19	0.97	0.00	0.00	1.23	1.30	1.30	0.00	5.30	0.00
December	2.89	2.98	1.60	0.00	0.00	1.37	0.98	0.98	0.39	5.30	0.00
January	6.19	6.38	4.71	0.00	0.39	2.06	1.46	1.46	0.60	5.30	0.00
February	2.62	2.70	1.37	0.00	0.60	1.93	1.65	1.65	0.28	5.30	0.00
March	5.78	5.95	4.31	0.00	0.28	1.92	2.44	2.44	0.00	5.30	0.00
April	0.61	0.63	0.04	0.00	0.00	0.59	2.95	2.95	0.00	5.30	0.00
May	0.24	0.25	0.00	0.00	0.00	0.25	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.28	0.29	0.00	0.00	0.00	0.29	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00

Total Mean \ 0.000

21.50 22.15 13.09 59.1%

1968-1969

Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	0.65	0.67	0.05	0.00	0.00	0.62	2.81	2.81	0.00	5.30	0.00
November	2.69	2.77	1.43	0.00	0.00	1.34	1.30	1.30	0.04	5.30	0.00
December	5.90	6.08	4.43	0.00	0.04	1.69	0.98	0.98	0.71	5.30	0.00
January	8.06	8.30	6.56	0.00	0.71	2.45	1.46	1.46	0.99	5.30	0.00
February	8.68	8.94	7.18	0.00	0.99	2.75	1.65	1.65	1.10	5.30	0.00
March	2.07	2.13	0.92	0.00	1.10	2.31	2.44	2.44	0.00	5.30	0.00
April	2.76	2.84	1.49	0.00	0.00	1.35	2.95	2.95	0.00	5.30	0.00
May	0.06	0.06	0.00	0.00	0.00	0.06	3.91	3.91	0.00	5.30	0.00
June	0.40	0.41	0.00	0.00	0.00	0.41	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.21	0.22	0.00	0.00	0.00	0.22	3.54	3.54	0.00	5.30	0.00

Total Mean \ 0.000

31.48 32.42 22.06 68.0%

1969-1970

Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	1.73	1.78	0.66	0.00	0.00	1.12	2.81	2.81	0.00	5.30	0.00
November	0.76	0.78	0.09	0.00	0.00	0.69	1.30	1.30	0.00	5.30	0.00
December	4.55	4.69	3.12	0.00	0.00	1.56	0.98	0.98	0.58	5.30	0.00
January	8.49	8.74	6.99	0.00	0.58	2.34	1.46	1.46	0.88	5.30	0.00
February	2.31	2.38	1.11	0.00	0.88	2.14	1.65	1.65	0.49	5.30	0.00
March	2.04	2.10	0.90	0.00	0.49	1.70	2.44	2.44	0.00	5.30	0.00
April	0.32	0.33	0.00	0.00	0.00	0.33	2.95	2.95	0.00	5.30	0.00
May	0.27	0.28	0.00	0.00	0.00	0.28	3.91	3.91	0.00	5.30	0.00
June	0.21	0.22	0.00	0.00	0.00	0.22	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00

Total Mean \ 0.000

20.68 21.30 12.88 60.5%

Percolation Rates for El Granada Terrace

1970-1971

Month	recipitatio	Adjusted	Direct Runoff	rrigation	Initial Soil	Total Availabl	ETp	ETc	Net Soil	oil Water	Percolation
		Precipitation			Moisture	Soil Moisture			Moisture	ing Capacity	
October	0.90	0.93	0.15	0.00	0.00	0.78	2.81	2.81	0.00	5.30	0.00
November	8.41	8.66	6.91	0.00	0.00	1.75	1.30	1.30	0.45	5.30	0.00
December	7.67	7.90	6.17	0.00	0.45	2.18	0.98	0.98	1.20	5.30	0.00
January	1.61	1.66	0.58	0.00	1.20	2.28	1.46	1.46	0.82	5.30	0.00
February	0.76	0.78	0.09	0.00	0.82	1.51	1.65	1.65	0.00	5.30	0.00
March	3.49	3.59	2.14	0.00	0.00	1.46	2.44	2.44	0.00	5.30	0.00
April	1.51	1.56	0.51	0.00	0.00	1.05	2.95	2.95	0.00	5.30	0.00
May	0.53	0.55	0.02	0.00	0.00	0.52	3.91	3.91	0.00	5.30	0.00
June	0.08	0.08	0.00	0.00	0.00	0.08	4.25	4.25	0.00	5.30	0.00
July	0.28	0.29	0.00	0.00	0.00	0.29	4.27	4.27	0.00	5.30	0.00
August	0.36	0.37	0.00	0.00	0.00	0.37	4.15	4.15	0.00	5.30	0.00
September	0.40	0.41	0.00	0.00	0.00	0.41	3.54	3.54	0.00	5.30	0.00

26.00 26.78 16.57 61.9% Total Mean \ 0.00

1971-1972

Month	recipitatio	Adjusted	Direct Runoff	rrigation	Initial Soil	Total Availabl	ETp	ETc	Net Soil	oil Water	Percolation
		Precipitation			Moisture	Soil Moisture			Moisture	ing Capacity	
October	0.23	0.24	0.00	0.00	0.00	0.24	2.81	2.81	0.00	5.30	0.00
November	2.29	2.36	1.10	0.00	0.00	1.26	1.30	1.30	0.00	5.30	0.00
December	5.10	5.25	3.65	0.00	0.00	1.60	0.98	0.98	0.62	5.30	0.00
January	1.27	1.31	0.35	0.00	0.62	1.58	1.46	1.46	0.12	5.30	0.00
February	1.33	1.37	0.39	0.00	0.12	1.10	1.65	1.65	0.00	5.30	0.00
March	0.19	0.20	0.00	0.00	0.00	0.20	2.44	2.44	0.00	5.30	0.00
April	1.25	1.29	0.34	0.00	0.00	0.95	2.95	2.95	0.00	5.30	0.00
May	0.11	0.11	0.00	0.00	0.00	0.11	3.91	3.91	0.00	5.30	0.00
June	0.28	0.29	0.00	0.00	0.00	0.29	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.98	1.01	0.19	0.00	0.00	0.82	3.54	3.54	0.00	5.30	0.00

13.03 13.42 6.01 44.8% Total Mean \ 0.00

1972-1973

Month	recipitatio	Adjusted	Direct Runoff	rrigation	Initial Soil	Total Availabl	ETp	ETc	Net Soil	oil Water	Percolation
		Precipitation			Moisture	Soil Moisture			Moisture	ing Capacity	
October	6.90	7.11	5.41	0.00	0.00	1.70	2.81	2.81	0.00	5.30	0.00
November	6.49	6.68	5.00	0.00	0.00	1.68	1.30	1.30	0.38	5.30	0.00
December	3.17	3.27	1.85	0.00	0.38	1.80	0.98	0.98	0.82	5.30	0.00
January	8.78	9.04	7.28	0.00	0.82	2.58	1.46	1.46	1.12	5.30	0.00
February	7.33	7.55	5.83	0.00	1.12	2.83	1.65	1.65	1.18	5.30	0.00
March		0.00	0.00	0.00	1.18	1.18	2.44	2.44	0.00	5.30	0.00
April	0.23	0.24	0.00	0.00	0.00	0.24	2.95	2.95	0.00	5.30	0.00
May	0.21	0.22	0.00	0.00	0.00	0.22	3.91	3.91	0.00	5.30	0.00
June	0.05	0.05	0.00	0.00	0.00	0.05	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.09	0.09	0.00	0.00	0.00	0.09	4.15	4.15	0.00	5.30	0.00
September	0.62	0.64	0.04	0.00	0.00	0.59	3.54	3.54	0.00	5.30	0.00

33.87 34.89 25.42 72.9% Total yield 0.00

1973-1974

Month	recipitatio	Adjusted	Direct Runoff	rrigation	Initial Soil	Total Availabl	ETp	ETc	Net Soil	oil Water	Percolation
		Precipitation			Moisture	Soil Moisture			Moisture	ing Capacity	
October	3.04	3.13	1.73	0.00	0.00	1.40	2.81	2.81	0.00	5.30	0.00
November	9.50	9.79	8.00	0.00	0.00	1.78	1.30	1.30	0.48	5.30	0.00
December	6.32	6.51	4.84	0.00	0.48	2.15	0.98	0.98	1.17	5.30	0.00
January	4.87	5.02	3.43	0.00	1.17	2.76	1.46	1.46	1.30	5.30	0.00
February	2.16	2.22	0.99	0.00	1.30	2.53	1.65	1.65	0.88	5.30	0.00
March	7.20	7.42	5.71	0.00	0.88	2.59	2.44	2.44	0.15	5.30	0.00
April	3.22	3.32	1.89	0.00	0.15	1.58	2.95	2.95	0.00	5.30	0.00
May	0.01	0.01	0.00	0.00	0.00	0.01	3.91	3.91	0.00	5.30	0.00
June	0.50	0.52	0.02	0.00	0.00	0.50	4.25	4.25	0.00	5.30	0.00
July	1.01	1.04	0.20	0.00	0.00	0.84	4.27	4.27	0.00	5.30	0.00
August	0.13	0.13	0.00	0.00	0.00	0.13	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00

37.96 39.10 26.82 68.6% Total yield 0.00

Percolation Rates for El Granada Terrace

1974-1975

Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	Total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	1.36	1.40	0.41	0.00	0.00	0.99	2.81	2.81	0.00	5.30	0.00
November	0.64	0.66	0.05	0.00	0.00	0.61	1.30	1.30	0.00	5.30	0.00
December	3.64	3.75	2.27	0.00	0.00	1.47	0.98	0.98	0.49	5.30	0.00
January	2.95	3.04	1.66	0.00	0.49	1.88	1.46	1.46	0.42	5.30	0.00
February	4.88	5.03	3.44	0.00	0.42	2.00	1.65	1.65	0.35	5.30	0.00
March	7.11	7.32	5.62	0.00	0.35	2.06	2.44	2.44	0.00	5.30	0.00
April	2.14	2.20	0.98	0.00	0.00	1.23	2.95	2.95	0.00	5.30	0.00
May	0.10	0.10	0.00	0.00	0.00	0.10	3.91	3.91	0.00	5.30	0.00
June	0.28	0.29	0.00	0.00	0.00	0.29	4.25	4.25	0.00	5.30	0.00
July	0.52	0.54	0.02	0.00	0.00	0.52	4.27	4.27	0.00	5.30	0.00
August	0.59	0.61	0.04	0.00	0.00	0.57	4.15	4.15	0.00	5.30	0.00
September	0.02	0.02	0.00	0.00	0.00	0.02	3.54	3.54	0.00	5.30	0.00

24.23 24.96 14.48 58.0% Total yield 0.000

1975-1976

Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	Total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	4.49	4.62	3.07	0.00	0.00	1.56	2.81	2.81	0.00	5.30	0.00
November	0.85	0.88	0.13	0.00	0.00	0.75	1.30	1.30	0.00	5.30	0.00
December	0.69	0.71	0.07	0.00	0.00	0.64	0.98	0.98	0.00	5.30	0.00
January	0.52	0.54	0.02	0.00	0.00	0.52	1.46	1.46	0.00	5.30	0.00
February	2.54	2.62	1.30	0.00	0.00	1.31	1.65	1.65	0.00	5.30	0.00
March	1.13	1.16	0.27	0.00	0.00	0.89	2.44	2.44	0.00	5.30	0.00
April	2.04	2.10	0.90	0.00	0.00	1.21	2.95	2.95	0.00	5.30	0.00
May	0.13	0.13	0.00	0.00	0.00	0.13	3.91	3.91	0.00	5.30	0.00
June	0.04	0.04	0.00	0.00	0.00	0.04	4.25	4.25	0.00	5.30	0.00
July	0.14	0.14	0.00	0.00	0.00	0.14	4.27	4.27	0.00	5.30	0.00
August	1.56	1.61	0.54	0.00	0.00	1.07	4.15	4.15	0.00	5.30	0.00
September	0.59	0.61	0.04	0.00	0.00	0.57	3.54	3.54	0.00	5.30	0.00

14.72 15.16 6.33 41.7% Total yield 0.000

1976-1977

Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	Total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	0.30	0.31	0.00	0.00	0.00	0.31	2.81	2.81	0.00	5.30	0.00
November	1.73	1.78	0.66	0.00	0.00	1.12	1.30	1.30	0.00	5.30	0.00
December	2.41	2.48	1.19	0.00	0.00	1.29	0.98	0.98	0.31	5.30	0.00
January	2.26	2.33	1.07	0.00	0.31	1.56	1.46	1.46	0.10	5.30	0.00
February	1.31	1.35	0.38	0.00	0.10	1.08	1.65	1.65	0.00	5.30	0.00
March	3.15	3.24	1.83	0.00	0.00	1.41	2.44	2.44	0.00	5.30	0.00
April	0.20	0.21	0.00	0.00	0.00	0.21	2.95	2.95	0.00	5.30	0.00
May	1.23	1.27	0.33	0.00	0.00	0.94	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.16	0.16	0.00	0.00	0.00	0.16	4.27	4.27	0.00	5.30	0.00
August	0.27	0.28	0.00	0.00	0.00	0.28	4.15	4.15	0.00	5.30	0.00
September	1.59	1.64	0.56	0.00	0.00	1.08	3.54	3.54	0.00	5.30	0.00

14.61 15.05 6.02 40.0% Total yield 0.000

1977-1978

Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	Total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	0.47	0.48	0.01	0.00	0.00	0.47	2.81	2.81	0.00	5.30	0.00
November	3.37	3.47	2.03	0.00	0.00	1.44	1.30	1.30	0.14	5.30	0.00
December	5.60	5.77	4.13	0.00	0.14	1.78	0.98	0.98	0.80	5.30	0.00
January	9.01	9.28	7.51	0.00	0.80	2.56	1.46	1.46	1.10	5.30	0.00
February	5.62	5.79	4.15	0.00	1.10	2.74	1.65	1.65	1.09	5.30	0.00
March	5.58	5.75	4.11	0.00	1.09	2.72	2.44	2.44	0.28	5.30	0.00
April	4.50	4.64	3.08	0.00	0.28	1.84	2.95	2.95	0.00	5.30	0.00
May	0.00	0.00	0.00	0.00	0.00	0.00	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00

34.15 35.17 25.03 71.2% Total yield 0.000

Percolation Rates for El Granada Terrace

1978-1979

Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigatio	Initial Soil Moisture	total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	0.05	0.05	0.00	0.00	0.00	0.05	2.81	2.81	0.00	5.30	0.00
November	3.04	3.13	1.73	0.00	0.00	1.40	1.30	1.30	0.10	5.30	0.00
December	0.83	0.85	0.12	0.00	0.10	0.83	0.98	0.98	0.00	5.30	0.00
January	8.11	8.35	6.61	0.00	0.00	1.74	1.46	1.46	0.28	5.30	0.00
February	6.27	6.46	4.79	0.00	0.28	1.95	1.65	1.65	0.30	5.30	0.00
March	4.83	4.97	3.39	0.00	0.30	1.89	2.44	2.44	0.00	5.30	0.00
April	0.89	0.92	0.15	0.00	0.00	0.77	2.95	2.95	0.00	5.30	0.00
May	0.85	0.88	0.13	0.00	0.00	0.75	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.29	0.30	0.00	0.00	0.00	0.30	4.27	4.27	0.00	5.30	0.00
August	0.13	0.13	0.00	0.00	0.00	0.13	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00

25.29 26.05 16.92 64.9% Total yield 0.000

1979-1980

Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigatio	Initial Soil Moisture	total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	3.23	3.33	1.90	0.00	0.00	1.42	2.81	2.81	0.00	5.30	0.00
November	3.97	4.09	2.58	0.00	0.00	1.51	1.30	1.30	0.21	5.30	0.00
December	5.76	5.93	4.29	0.00	0.21	1.85	0.98	0.98	0.87	5.30	0.00
January	5.40	5.56	3.94	0.00	0.87	2.50	1.46	1.46	1.04	5.30	0.00
February	7.49	7.71	5.99	0.00	1.04	2.76	1.65	1.65	1.11	5.30	0.00
March	1.90	1.96	0.79	0.00	1.11	2.28	2.44	2.44	0.00	5.30	0.00
April	1.88	1.94	0.77	0.00	0.00	1.16	2.95	2.95	0.00	5.30	0.00
May	0.32	0.33	0.00	0.00	0.00	0.33	3.91	3.91	0.00	5.30	0.00
June	0.03	0.03	0.00	0.00	0.00	0.03	4.25	4.25	0.00	5.30	0.00
July	0.07	0.07	0.00	0.00	0.00	0.07	4.27	4.27	0.00	5.30	0.00
August	0.05	0.05	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
September	0.18	0.19	0.00	0.00	0.00	0.19	3.54	3.54	0.00	5.30	0.00

30.28 31.19 20.27 65.0% Total yield 0.000

1980-1981

Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigatio	Initial Soil Moisture	total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	0.18	0.19	0.00	0.00	0.00	0.19	2.81	2.81	0.00	5.30	0.00
November	0.65	0.67	0.05	0.00	0.00	0.62	1.30	1.30	0.00	5.30	0.00
December	2.44	2.51	1.22	0.00	0.00	1.29	0.98	0.98	0.31	5.30	0.00
January	7.48	7.70	5.98	0.00	0.31	2.04	1.46	1.46	0.58	5.30	0.00
February	2.42	2.49	1.20	0.00	0.58	1.86	1.65	1.65	0.21	5.30	0.00
March	4.71	4.85	3.28	0.00	0.21	1.79	2.44	2.44	0.00	5.30	0.00
April	0.24	0.25	0.00	0.00	0.00	0.25	2.95	2.95	0.00	5.30	0.00
May	0.33	0.34	0.00	0.00	0.00	0.34	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.42	0.43	0.00	0.00	0.00	0.43	4.15	4.15	0.00	5.30	0.00
September	0.37	0.38	0.00	0.00	0.00	0.38	3.54	3.54	0.00	5.30	0.00

19.24 19.82 11.74 59.2% Total yield 0.000

1981-1982

Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigatio	Initial Soil Moisture	total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	3.98	4.10	2.59	0.00	0.00	1.51	2.81	2.81	0.00	5.30	0.00
November	7.08	7.29	5.59	0.00	0.00	1.71	1.30	1.30	0.41	5.30	0.00
December	6.00	6.18	4.52	0.00	0.41	2.06	0.98	0.98	1.08	5.30	0.00
January	12.01	12.37	10.54	0.00	1.08	2.91	1.46	1.46	1.45	5.30	0.00
February	5.11	5.26	3.66	0.00	1.45	3.06	1.65	1.65	1.41	5.30	0.00
March	7.91	8.15	6.41	0.00	1.41	3.14	2.44	2.44	0.70	5.30	0.00
April	5.02	5.17	3.57	0.00	0.70	2.30	2.95	2.95	0.00	5.30	0.00
May	0.00	0.00	0.00	0.00	0.00	0.00	3.91	3.91	0.00	5.30	0.00
June	0.42	0.43	0.00	0.00	0.00	0.43	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.15	0.15	0.00	0.00	0.00	0.15	4.15	4.15	0.00	5.30	0.00
September	1.73	1.78	0.66	0.00	0.00	1.12	3.54	3.54	0.00	5.30	0.00

49.41 50.89 37.55 73.8% Total yield 0.000

Percolation Rates for El Granada Terrace

1982-1983

Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigatio	Initial Soil Moisture	total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Watd ing Capacity	Percolation
October	3.82	3.93	2.44	0.00	0.00	1.49	2.81	2.81	0.00	5.30	0.00
November	7.03	7.24	5.54	0.00	0.00	1.70	1.30	1.30	0.40	5.30	0.00
December	5.41	5.57	3.95	0.00	0.40	2.03	0.98	0.98	1.05	5.30	0.00
January	8.98	9.25	7.48	0.00	1.05	2.81	1.46	1.46	1.35	5.30	0.00
February	9.14	9.41	7.64	0.00	1.35	3.13	1.65	1.65	1.48	5.30	0.00
March	13.05	13.44	11.60	0.00	1.48	3.32	2.44	2.44	0.88	5.30	0.00
April	3.33	3.43	1.99	0.00	0.88	2.32	2.95	2.95	0.00	5.30	0.00
May	0.89	0.92	0.15	0.00	0.00	0.77	3.91	3.91	0.00	5.30	0.00
June	0.03	0.03	0.00	0.00	0.00	0.03	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.14	0.14	0.00	0.00	0.00	0.14	4.15	4.15	0.00	5.30	0.00
September	0.80	0.82	0.11	0.00	0.00	0.72	3.54	3.54	0.00	5.30	0.00

Total yield 0.000

52.62 54.20 40.89 75.5%

1983-1984

Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigatio	Initial Soil Moisture	total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Watd ing Capacity	Percolation
October	1.12	1.15	0.26	0.00	0.00	0.89	2.81	2.81	0.00	5.30	0.00
November	8.07	8.31	6.57	0.00	0.00	1.74	1.30	1.30	0.44	5.30	0.00
December	9.46	9.74	7.96	0.00	0.44	2.22	0.98	0.98	1.24	5.30	0.00
January	0.26	0.27	0.00	0.00	1.24	1.51	1.46	1.46	0.05	5.30	0.00
February	2.15	2.21	0.98	0.00	0.05	1.28	1.65	1.65	0.00	5.30	0.00
March	2.12	2.18	0.96	0.00	0.00	1.22	2.44	2.44	0.00	5.30	0.00
April	1.09	1.12	0.25	0.00	0.00	0.88	2.95	2.95	0.00	5.30	0.00
May	0.20	0.21	0.00	0.00	0.00	0.21	3.91	3.91	0.00	5.30	0.00
June	0.46	0.47	0.01	0.00	0.00	0.46	4.25	4.25	0.00	5.30	0.00
July	0.06	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
August	0.33	0.34	0.00	0.00	0.00	0.34	4.15	4.15	0.00	5.30	0.00
September	0.18	0.19	0.00	0.00	0.00	0.19	3.54	3.54	0.00	5.30	0.00

Total yield 0.000

25.50 26.27 17.00 64.7%

1984-1985

Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigatio	Initial Soil Moisture	total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Watd ing Capacity	Percolation
October	3.81	3.92	2.43	0.00	0.00	1.49	2.81	2.81	0.00	5.30	0.00
November	9.86	10.16	8.37	0.00	0.00	1.79	1.30	1.30	0.49	5.30	0.00
December	3.20	3.30	1.88	0.00	0.49	1.91	0.98	0.98	0.93	5.30	0.00
January	1.02	1.05	0.21	0.00	0.93	1.77	1.46	1.46	0.31	5.30	0.00
February	2.90	2.99	1.61	0.00	0.31	1.68	1.65	1.65	0.03	5.30	0.00
March	5.07	5.22	3.62	0.00	0.03	1.64	2.44	2.44	0.00	5.30	0.00
April	0.13	0.13	0.00	0.00	0.00	0.13	2.95	2.95	0.00	5.30	0.00
May	0.32	0.33	0.00	0.00	0.00	0.33	3.91	3.91	0.00	5.30	0.00
June	0.47	0.48	0.01	0.00	0.00	0.47	4.25	4.25	0.00	5.30	0.00
July	0.31	0.32	0.00	0.00	0.00	0.32	4.27	4.27	0.00	5.30	0.00
August	0.05	0.05	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
September	0.40	0.41	0.00	0.00	0.00	0.41	3.54	3.54	0.00	5.30	0.00

Total yield 0.000

27.54 28.37 18.13 63.9%

1985-1986

Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigatio	Initial Soil Moisture	total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Watd ing Capacity	Percolation
October	1.51	1.56	0.51	0.00	0.00	1.05	2.81	2.81	0.00	5.30	0.00
November		0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	3.18	3.28	1.86	0.00	0.00	1.42	0.98	0.98	0.44	5.30	0.00
January	4.98	5.13	3.53	0.00	0.44	2.03	1.46	1.46	0.57	5.30	0.00
February	11.48	11.82	10.00	0.00	0.57	2.39	1.65	1.65	0.74	5.30	0.00
March	7.12	7.33	5.63	0.00	0.74	2.45	2.44	2.44	0.01	5.30	0.00
April	0.50	0.52	0.02	0.00	0.01	0.51	2.95	2.95	0.00	5.30	0.00
May	0.84	0.87	0.12	0.00	0.00	0.74	3.91	3.91	0.00	5.30	0.00
June	0.09	0.09	0.00	0.00	0.00	0.09	4.25	4.25	0.00	5.30	0.00
July	0.08	0.08	0.00	0.00	0.00	0.08	4.27	4.27	0.00	5.30	0.00
August	0.25	0.26	0.00	0.00	0.00	0.26	4.15	4.15	0.00	5.30	0.00
September	2.20	2.27	1.02	0.00	0.00	1.24	3.54	3.54	0.00	5.30	0.00

Total yield 0.000

32.23 33.20 22.69 68.4%

Percolation Rates for El Granada Terrace

1986-1987

Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	0.42	0.43	0.00	0.00	0.00	0.43	2.81	2.81	0.00	5.30	0.00
November	0.32	0.33	0.00	0.00	0.00	0.33	1.30	1.30	0.00	5.30	0.00
December	3.10	3.19	1.79	0.00	0.00	1.41	0.98	0.98	0.43	5.30	0.00
January	5.10	5.25	3.65	0.00	0.43	2.03	1.46	1.46	0.57	5.30	0.00
February	3.87	3.99	2.49	0.00	0.57	2.07	1.65	1.65	0.42	5.30	0.00
March	4.16	4.28	2.76	0.00	0.42	1.95	2.44	2.44	0.00	5.30	0.00
April	0.95	0.98	0.17	0.00	0.00	0.80	2.95	2.95	0.00	5.30	0.00
May	0.06	0.06	0.00	0.00	0.00	0.06	3.91	3.91	0.00	5.30	0.00
June	0.08	0.08	0.00	0.00	0.00	0.08	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.10	0.10	0.00	0.00	0.00	0.10	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00

18.16 18.70 10.86 58.1% Total yield 0.000

1987-1988

Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	2.13	2.19	0.97	0.00	0.00	1.23	2.81	2.81	0.00	5.30	0.00
November	2.63	2.71	1.38	0.00	0.00	1.33	1.30	1.30	0.03	5.30	0.00
December	6.03	6.21	4.55	0.00	0.03	1.69	0.98	0.98	0.71	5.30	0.00
January	4.48	4.61	3.06	0.00	0.71	2.26	1.46	1.46	0.80	5.30	0.00
February	0.58	0.60	0.03	0.00	0.80	1.37	1.65	1.65	0.00	5.30	0.00
March	0.12	0.12	0.00	0.00	0.00	0.12	2.44	2.44	0.00	5.30	0.00
April	3.04	3.13	1.73	0.00	0.00	1.40	2.95	2.95	0.00	5.30	0.00
May	0.69	0.71	0.07	0.00	0.00	0.64	3.91	3.91	0.00	5.30	0.00
June	0.29	0.30	0.00	0.00	0.00	0.30	4.25	4.25	0.00	5.30	0.00
July		0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.01	0.01	0.00	0.00	0.00	0.01	4.15	4.15	0.00	5.30	0.00
September	0.02	0.02	0.00	0.00	0.00	0.02	3.54	3.54	0.00	5.30	0.00

20.02 20.62 11.79 57.2% Total yield 0.000

1988-1989

Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	0.94	0.97	0.17	0.00	0.00	0.80	2.81	2.81	0.00	5.30	0.00
November	3.55	3.66	2.19	0.00	0.00	1.46	1.30	1.30	0.16	5.30	0.00
December	5.17	5.33	3.72	0.00	0.16	1.77	0.98	0.98	0.79	5.30	0.00
January	2.01	2.07	0.87	0.00	0.79	1.99	1.46	1.46	0.53	5.30	0.00
February	1.30	1.34	0.37	0.00	0.53	1.50	1.65	1.65	0.00	5.30	0.00
March	7.95	8.19	6.45	0.00	0.00	1.74	2.44	2.44	0.00	5.30	0.00
April	1.83	1.88	0.74	0.00	0.00	1.15	2.95	2.95	0.00	5.30	0.00
May	0.31	0.32	0.00	0.00	0.00	0.32	3.91	3.91	0.00	5.30	0.00
June	0.10	0.10	0.00	0.00	0.00	0.10	4.25	4.25	0.00	5.30	0.00
July	0.13	0.13	0.00	0.00	0.00	0.13	4.27	4.27	0.00	5.30	0.00
August	0.27	0.28	0.00	0.00	0.00	0.28	4.15	4.15	0.00	5.30	0.00
September	0.95	0.98	0.17	0.00	0.00	0.80	3.54	3.54	0.00	5.30	0.00

24.51 25.25 14.68 58.2% Total yield 0.000

1989-1990

Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	total Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Water ing Capacity	Percolation
October	2.05	2.11	0.90	0.00	0.00	1.21	2.81	2.81	0.00	5.30	0.00
November	1.95	2.01	0.83	0.00	0.00	1.18	1.30	1.30	0.00	5.30	0.00
December	0.03	0.03	0.00	0.00	0.00	0.03	0.98	0.98	0.00	5.30	0.00
January	4.29	4.42	2.88	0.00	0.00	1.54	1.46	1.46	0.08	5.30	0.00
February	2.52	2.60	1.29	0.00	0.08	1.39	1.65	1.65	0.00	5.30	0.00
March	1.33	1.37	0.39	0.00	0.00	0.98	2.44	2.44	0.00	5.30	0.00
April	0.29	0.30	0.00	0.00	0.00	0.30	2.95	2.95	0.00	5.30	0.00
May	2.82	2.90	1.54	0.00	0.00	1.36	3.91	3.91	0.00	5.30	0.00
June	0.46	0.47	0.01	0.00	0.00	0.46	4.25	4.25	0.00	5.30	0.00
July	0.24	0.25	0.00	0.00	0.00	0.25	4.27	4.27	0.00	5.30	0.00
August	0.14	0.14	0.00	0.00	0.00	0.14	4.15	4.15	0.00	5.30	0.00
September	0.33	0.34	0.00	0.00	0.00	0.34	3.54	3.54	0.00	5.30	0.00

16.45 16.94 7.84 46.2% Total yield 0.000

Percolation Rates for El Granada Terrace

1990-1991

Month	recipitatio	Adjusted	Direct Runoff	rrigation	Initial Soil	total Availabl	ETp	ETc	Net Soil	oil Watq	Percolation
		Precipitation			Moisture	Soil Moisture			Moisture	ing Capacity	
October	0.55	0.57	0.03	0.00	0.00	0.54	2.81	2.81	0.00	5.30	0.00
November	0.74	0.76	0.08	0.00	0.00	0.68	1.30	1.30	0.00	5.30	0.00
December	2.58	2.66	1.34	0.00	0.00	1.32	0.98	0.98	0.34	5.30	0.00
January	0.56	0.58	0.03	0.00	0.34	0.89	1.46	1.46	0.00	5.30	0.00
February	4.19	4.32	2.78	0.00	0.00	1.53	1.65	1.65	0.00	5.30	0.00
March	8.81	9.07	7.31	0.00	0.00	1.76	2.44	2.44	0.00	5.30	0.00
April	0.90	0.93	0.15	0.00	0.00	0.78	2.95	2.95	0.00	5.30	0.00
May	0.67	0.69	0.06	0.00	0.00	0.63	3.91	3.91	0.00	5.30	0.00
June	0.32	0.33	0.00	0.00	0.00	0.33	4.25	4.25	0.00	5.30	0.00
July	0.27	0.28	0.00	0.00	0.00	0.28	4.27	4.27	0.00	5.30	0.00
August	0.92	0.95	0.16	0.00	0.00	0.79	4.15	4.15	0.00	5.30	0.00
September	0.25	0.26	0.00	0.00	0.00	0.26	3.54	3.54	0.00	5.30	0.00
	20.76	21.38	11.94		55.9%					Total yield	0.00

1991-1992

Month	recipitatio	Adjusted	Direct Runoff	rrigation	Initial Soil	total Availabl	ETp	ETc	Net Soil	oil Watq	Percolation
		Precipitation			Moisture	Soil Moisture			Moisture	ing Capacity	
October	2.63	2.71	1.38	0.00	0.00	1.33	2.81	2.81	0.00	5.30	0.00
November	1.01	1.04	0.20	0.00	0.00	0.84	1.30	1.30	0.00	5.30	0.00
December	3.60	3.71	2.24	0.00	0.00	1.47	0.98	0.98	0.49	5.30	0.00
January	3.18	3.28	1.86	0.00	0.49	1.91	1.46	1.46	0.45	5.30	0.00
February	8.70	8.96	7.20	0.00	0.45	2.21	1.65	1.65	0.56	5.30	0.00
March	3.45	3.55	2.10	0.00	0.56	2.01	2.44	2.44	0.00	5.30	0.00
April	0.40	0.41	0.00	0.00	0.00	0.41	2.95	2.95	0.00	5.30	0.00
May	0.06	0.06	0.00	0.00	0.00	0.06	3.91	3.91	0.00	5.30	0.00
June	0.84	0.87	0.12	0.00	0.00	0.74	4.25	4.25	0.00	5.30	0.00
July	0.02	0.02	0.00	0.00	0.00	0.02	4.27	4.27	0.00	5.30	0.00
August	0.18	0.19	0.00	0.00	0.00	0.19	4.15	4.15	0.00	5.30	0.00
September	0.12	0.12	0.00	0.00	0.00	0.12	3.54	3.54	0.00	5.30	0.00
	24.19	24.92	15.11		60.6%					Total yield	0.00

1992-1993

Month	recipitatio	Adjusted	Direct Runoff	rrigation	Initial Soil	total Availabl	ETp	ETc	Net Soil	oil Watq	Percolation
		Precipitation			Moisture	Soil Moisture			Moisture	ing Capacity	
October	2.88	2.97	1.59	0.00	0.00	1.37	2.81	2.81	0.00	5.30	0.00
November	0.67	0.69	0.06	0.00	0.00	0.63	1.30	1.30	0.00	5.30	0.00
December	8.10	8.34	6.60	0.00	0.00	1.74	0.98	0.98	0.76	5.30	0.00
January	9.21	9.49	7.71	0.00	0.76	2.54	1.46	1.46	1.08	5.30	0.00
February	5.59	5.76	4.12	0.00	1.08	2.71	1.65	1.65	1.06	5.30	0.00
March	2.79	2.87	1.52	0.00	1.06	2.42	2.44	2.44	0.00	5.30	0.00
April	1.68	1.73	0.63	0.00	0.00	1.10	2.95	2.95	0.00	5.30	0.00
May	1.38	1.42	0.42	0.00	0.00	1.00	3.91	3.91	0.00	5.30	0.00
June	0.48	0.49	0.01	0.00	0.00	0.48	4.25	4.25	0.00	5.30	0.00
July	0.06	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
August	0.17	0.18	0.00	0.00	0.00	0.18	4.15	4.15	0.00	5.30	0.00
September	0.21	0.22	0.00	0.00	0.00	0.22	3.54	3.54	0.00	5.30	0.00
	33.22	34.22	22.67		66.2%					Total yield	0.00

1993-1994

Month	recipitatio	Adjusted	Direct Runoff	rrigation	Initial Soil	total Availabl	ETp	ETc	Net Soil	oil Watq	Percolation
		Precipitation			Moisture	Soil Moisture			Moisture	ing Capacity	
October	0.62	0.64	0.04	0.00	0.00	0.59	2.81	2.81	0.00	5.30	0.00
November	1.55	1.60	0.53	0.00	0.00	1.06	1.30	1.30	0.00	5.30	0.00
December	2.77	2.85	1.50	0.00	0.00	1.35	0.98	0.98	0.37	5.30	0.00
January	2.63	2.71	1.38	0.00	0.37	1.70	1.46	1.46	0.24	5.30	0.00
February	5.61	5.78	4.14	0.00	0.24	1.88	1.65	1.65	0.23	5.30	0.00
March	0.77	0.79	0.10	0.00	0.23	0.93	2.44	2.44	0.00	5.30	0.00
April	1.85	1.91	0.75	0.00	0.00	1.15	2.95	2.95	0.00	5.30	0.00
May	1.64	1.69	0.60	0.00	0.00	1.09	3.91	3.91	0.00	5.30	0.00
June	0.11	0.11	0.00	0.00	0.00	0.11	4.25	4.25	0.00	5.30	0.00
July	0.13	0.13	0.00	0.00	0.00	0.13	4.27	4.27	0.00	5.30	0.00
August	0.17	0.18	0.00	0.00	0.00	0.18	4.15	4.15	0.00	5.30	0.00
September	0.09	0.09	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00
	17.94	18.48	9.04		48.9%					Total yield	0.00

Percolation Rates for El Granada Terrace

1994-1995											
Month	recipitatio	Adjusted	Direct Runoff	rrigation	Initial Soil	Total Availabl	ETp	ETc	Net Soil	oil Watd	Percolation
		Precipitation			Moisture	Soil Moisture			Moisture	ing Capacity	
October	0.08	0.08	0.00	0.00	0.00	0.08	2.81	2.81	0.00	5.30	0.00
November	5.34	5.50	3.88	0.00	0.00	1.62	1.30	1.30	0.32	5.30	0.00
December	3.93	4.05	2.54	0.00	0.32	1.82	0.98	0.98	0.84	5.30	0.00
January	11.38	11.72	9.90	0.00	0.84	2.66	1.46	1.46	1.20	5.30	0.00
February	0.26	0.27	0.00	0.00	1.20	1.47	1.65	1.65	0.00	5.30	0.00
March	8.71	8.97	7.21	0.00	0.00	1.76	2.44	2.44	0.00	5.30	0.00
April	2.35	2.42	1.14	0.00	0.00	1.28	2.95	2.95	0.00	5.30	0.00
May	1.54	1.59	0.53	0.00	0.00	1.06	3.91	3.91	0.00	5.30	0.00
June	0.78	0.80	0.10	0.00	0.00	0.70	4.25	4.25	0.00	5.30	0.00
July	0.05	0.05	0.00	0.00	0.00	0.05	4.27	4.27	0.00	5.30	0.00
August	0.05	0.05	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
September	0.15	0.15	0.00	0.00	0.00	0.15	3.54	3.54	0.00	5.30	0.00

Total yield 0.000

34.62 35.66 25.31 71.0%

1995-1996											
Month	recipitatio	Adjusted	Direct Runoff	rrigation	Initial Soil	Total Availabl	ETp	ETc	Net Soil	oil Watd	Percolation
		Precipitation			Moisture	Soil Moisture			Moisture	ing Capacity	
October	0.07	0.07	0.00	0.00	0.00	0.07	2.81	2.81	0.00	5.30	0.00
November	0.30	0.31	0.00	0.00	0.00	0.31	1.30	1.30	0.00	5.30	0.00
December	8.25	8.50	6.75	0.00	0.00	1.75	0.98	0.98	0.77	5.30	0.00
January	8.27	8.52	6.77	0.00	0.77	2.51	1.46	1.46	1.05	5.30	0.00
February	7.05	7.26	5.56	0.00	1.05	2.76	1.65	1.65	1.11	5.30	0.00
March	3.34	3.44	2.00	0.00	1.11	2.55	2.44	2.44	0.11	5.30	0.00
April	1.98	2.04	0.85	0.00	0.11	1.30	2.95	2.95	0.00	5.30	0.00
May	2.16	2.22	0.99	0.00	0.00	1.23	3.91	3.91	0.00	5.30	0.00
June	0.13	0.13	0.00	0.00	0.00	0.13	4.25	4.25	0.00	5.30	0.00
July	0.06	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
August	0.07	0.07	0.00	0.00	0.00	0.07	4.15	4.15	0.00	5.30	0.00
September	0.20	0.21	0.00	0.00	0.00	0.21	3.54	3.54	0.00	5.30	0.00

Total yield 0.000

31.88 32.84 22.92 69.8%

1996-1997											
Month	recipitatio	Adjusted	Direct Runoff	rrigation	Initial Soil	Total Availabl	ETp	ETc	Net Soil	oil Watd	Percolation
		Precipitation			Moisture	Soil Moisture			Moisture	ing Capacity	
October	1.47	1.51	0.48	0.00	0.00	1.03	2.81	2.81	0.00	5.30	0.00
November	2.71	2.79	1.45	0.00	0.00	1.34	1.30	1.30	0.04	5.30	0.00
December	8.83	9.09	7.33	0.00	0.04	1.81	0.98	0.98	0.83	5.30	0.00
January	9.86	10.16	8.37	0.00	0.83	2.62	1.46	1.46	1.16	5.30	0.00
February	0.29	0.30	0.00	0.00	1.16	1.46	1.65	1.65	0.00	5.30	0.00
March	0.59	0.61	0.04	0.00	0.00	0.57	2.44	2.44	0.00	5.30	0.00
April	0.96	0.99	0.18	0.00	0.00	0.81	2.95	2.95	0.00	5.30	0.00
May	0.44	0.45	0.01	0.00	0.00	0.45	3.91	3.91	0.00	5.30	0.00
June	0.57	0.59	0.03	0.00	0.00	0.56	4.25	4.25	0.00	5.30	0.00
July	0.13	0.13	0.00	0.00	0.00	0.13	4.27	4.27	0.00	5.30	0.00
August	0.77	0.79	0.10	0.00	0.00	0.70	4.15	4.15	0.00	5.30	0.00
September	0.08	0.08	0.00	0.00	0.00	0.08	3.54	3.54	0.00	5.30	0.00

Total yield 0.000

26.70 27.50 17.97 65.4%

1997-1998											
Month	recipitatio	Adjusted	Direct Runoff	rrigation	Initial Soil	Total Availabl	ETp	ETc	Net Soil	oil Watd	Percolation
		Precipitation			Moisture	Soil Moisture			Moisture	ing Capacity	
October	0.77	0.79	0.10	0.00	0.00	0.70	2.81	2.81	0.00	5.30	0.00
November	7.84	8.08	6.34	0.00	0.00	1.73	1.30	1.30	0.43	5.30	0.00
December	3.65	3.76	2.28	0.00	0.43	1.91	0.98	0.98	0.93	5.30	0.00
January	12.13	12.49	10.66	0.00	0.93	2.76	1.46	1.46	1.30	5.30	0.00
February	15.70	16.17	14.30	0.00	1.30	3.18	1.65	1.65	1.53	5.30	0.00
March	2.58	2.66	1.34	0.00	1.53	2.85	2.44	2.44	0.41	5.30	0.00
April	2.73	2.81	1.46	0.00	0.41	1.75	2.95	2.95	0.00	5.30	0.00
May	4.01	4.13	2.62	0.00	0.00	1.51	3.91	3.91	0.00	5.30	0.00
June	0.30	0.31	0.00	0.00	0.00	0.31	4.25	4.25	0.00	5.30	0.00
July	0.18	0.19	0.00	0.00	0.00	0.19	4.27	4.27	0.00	5.30	0.00
August	0.06	0.06	0.00	0.00	0.00	0.06	4.15	4.15	0.00	5.30	0.00
September	0.25	0.26	0.00	0.00	0.00	0.26	3.54	3.54	0.00	5.30	0.00

Total yield 0.000

50.20 51.71 39.10 75.6%

Percolation Rates for El Granada Terrace

1998-1999

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.97	1.00	0.18	0.00	0.00	0.81	2.81	2.81	0.00	5.30	0.00
November	3.75	3.86	2.38	0.00	0.00	1.49	1.30	1.30	0.19	5.30	0.00
December	2.09	2.15	0.94	0.00	0.19	1.40	0.98	0.98	0.42	5.30	0.00
January	6.4	6.59	4.92	0.00	0.42	2.10	1.46	1.46	0.64	5.30	0.00
February	14	14.42	12.56	0.00	0.64	2.50	1.65	1.65	0.85	5.30	0.00
March	4.7	4.84	3.27	0.00	0.85	2.42	2.44	2.44	0.00	5.30	0.00
April	2.73	2.81	1.46	0.00	0.00	1.35	2.95	2.95	0.00	5.30	0.00
May	0.12	0.12	0.00	0.00	0.00	0.12	3.91	3.91	0.00	5.30	0.00
June	0.46	0.47	0.01	0.00	0.00	0.46	4.25	4.25	0.00	5.30	0.00
July	0.05	0.05	0.00	0.00	0.00	0.05	4.27	4.27	0.00	5.30	0.00
August	0.34	0.35	0.00	0.00	0.00	0.35	4.15	4.15	0.00	5.30	0.00
September	0.21	0.22	0.00	0.00	0.00	0.22	3.54	3.54	0.00	5.30	0.00

35.82 36.89 25.72 69.7% Total yield 0.000

1999-2000

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.82	0.84	0.12	0.00	0.00	0.73	2.81	2.81	0.00	5.30	0.00
November	2.94	3.03	1.65	0.00	0.00	1.38	1.30	1.30	0.08	5.30	0.00
December	0.93	0.96	0.16	0.00	0.08	0.87	0.98	0.98	0.00	5.30	0.00
January	7.53	7.76	6.03	0.00	0.00	1.72	1.46	1.46	0.26	5.30	0.00
February	11.27	11.61	9.79	0.00	0.26	2.08	1.65	1.65	0.43	5.30	0.00
March	2.45	2.52	1.23	0.00	0.43	1.73	2.44	2.44	0.00	5.30	0.00
April	3.1	3.19	1.79	0.00	0.00	1.41	2.95	2.95	0.00	5.30	0.00
May	1.72	1.77	0.65	0.00	0.00	1.12	3.91	3.91	0.00	5.30	0.00
June	0.18	0.19	0.00	0.00	0.00	0.19	4.25	4.25	0.00	5.30	0.00
July	0.26	0.27	0.00	0.00	0.00	0.27	4.27	4.27	0.00	5.30	0.00
August	0.19	0.20	0.00	0.00	0.00	0.20	4.15	4.15	0.00	5.30	0.00
September	0.41	0.42	0.00	0.00	0.00	0.42	3.54	3.54	0.00	5.30	0.00

31.80 32.75 21.42 65.4% Total yield 0.000

2000-2001

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.74	3.85	2.37	0.00	0.00	1.49	2.81	2.81	0.00	5.30	0.00
November	1.3	1.34	0.37	0.00	0.00	0.97	1.30	1.30	0.00	5.30	0.00
December	0.69	0.71	0.07	0.00	0.00	0.64	0.98	0.98	0.00	5.30	0.00
January	5.75	5.92	4.28	0.00	0.00	1.64	1.46	1.46	0.18	5.30	0.00
February	6.44	6.63	4.95	0.00	0.18	1.86	1.65	1.65	0.21	5.30	0.00
March	1.67	1.72	0.62	0.00	0.21	1.31	2.44	2.44	0.00	5.30	0.00
April	2.19	2.26	1.01	0.00	0.00	1.24	2.95	2.95	0.00	5.30	0.00
May	0.02	0.02	0.00	0.00	0.00	0.02	3.91	3.91	0.00	5.30	0.00
June	0.12	0.12	0.00	0.00	0.00	0.12	4.25	4.25	0.00	5.30	0.00
July	0.28	0.29	0.00	0.00	0.00	0.29	4.27	4.27	0.00	5.30	0.00
August	0.39	0.40	0.00	0.00	0.00	0.40	4.15	4.15	0.00	5.30	0.00
September	0.26	0.27	0.00	0.00	0.00	0.27	3.54	3.54	0.00	5.30	0.00

22.85 23.54 13.67 58.1% Total yield 0.000

2001-2002

Adjusted San Gregorio data

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.47	0.48	0.01	0.00	0.00	0.47	2.81	2.81	0.00	5.30	0.00
November	6.69	6.89	5.20	0.00	0.00	1.69	1.30	1.30	0.39	5.30	0.00
December	9.26	9.54	7.76	0.00	0.39	2.16	0.98	0.98	1.18	5.30	0.00
January	2.55	2.63	1.31	0.00	1.18	2.50	1.46	1.46	1.04	5.30	0.00
February	2.13	2.19	0.97	0.00	1.04	2.27	1.65	1.65	0.62	5.30	0.00
March	2.54	2.62	1.30	0.00	0.62	1.93	2.44	2.44	0.00	5.30	0.00
April	0.68	0.70	0.06	0.00	0.00	0.64	2.95	2.95	0.00	5.30	0.00
May	0.88	0.91	0.14	0.00	0.00	0.76	3.91	3.91	0.00	5.30	0.00
June	0.23	0.24	0.00	0.00	0.00	0.24	4.25	4.25	0.00	5.30	0.00
July	0.18	0.19	0.00	0.00	0.00	0.19	4.27	4.27	0.00	5.30	0.00
August	0.08	0.08	0.00	0.00	0.00	0.08	4.15	4.15	0.00	5.30	0.00
September	0.17	0.18	0.00	0.00	0.00	0.18	3.54	3.54	0.00	5.30	0.00

25.86 26.64 16.76 62.9% Total yield 0.000

Percolation Rates for El Granada Terrace

Estimate for missing data in red
based on San Gregorio data for same period

2002-2003

Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	otal Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Watd ing Capacity	Percolation
October	0.17	0.18	0.00	0.00	0.00	0.18	2.81	2.81	0.00	5.30	0.00
November	2.7	2.78	1.44	0.00	0.00	1.34	1.30	1.30	0.04	5.30	0.00
December	9	9.27	7.50	0.00	0.04	1.81	0.98	0.98	0.83	5.30	0.00
January	1.34	1.38	0.39	0.00	0.83	1.82	1.46	1.46	0.36	5.30	0.00
February	3.46	3.56	2.11	0.00	0.36	1.81	1.65	1.65	0.16	5.30	0.00
March	1.82	1.87	0.73	0.00	0.16	1.31	2.44	2.44	0.00	5.30	0.00
April	5.51	5.68	4.05	0.00	0.00	1.63	2.95	2.95	0.00	5.30	0.00
May	0.88	0.91	0.14	0.00	0.00	0.76	3.91	3.91	0.00	5.30	0.00
June	0.18	0.19	0.00	0.00	0.00	0.19	4.25	4.25	0.00	5.30	0.00
July	0.01	0.01	0.00	0.00	0.00	0.01	4.27	4.27	0.00	5.30	0.00
August	0.04	0.04	0.00	0.00	0.00	0.04	4.15	4.15	0.00	5.30	0.00
September	0.10	0.10	0.00	0.00	0.00	0.10	3.54	3.54	0.00	5.30	0.00
Total yield											0.00
25.21 25.97 16.36 63.0%											

2003-2004

Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	otal Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Watd ing Capacity	Percolation
October	0.22	0.23	0.00	0.00	0.00	0.23	2.81	2.81	0.00	5.30	0.00
November	2.27	2.34	1.08	0.00	0.00	1.26	1.30	1.30	0.00	5.30	0.00
December	8.81	9.07	7.31	0.00	0.00	1.76	0.98	0.98	0.78	5.30	0.00
January	3.33	3.43	1.99	0.00	0.78	2.22	1.46	1.46	0.76	5.30	0.00
February	6.37	6.56	4.89	0.00	0.76	2.43	1.65	1.65	0.78	5.30	0.00
March	1.39	1.43	0.43	0.00	0.78	1.79	2.44	2.44	0.00	5.30	0.00
April	0.31	0.32	0.00	0.00	0.00	0.32	2.95	2.95	0.00	5.30	0.00
May	0.15	0.15	0.00	0.00	0.00	0.15	3.91	3.91	0.00	5.30	0.00
June	0.05	0.05	0.00	0.00	0.00	0.05	4.25	4.25	0.00	5.30	0.00
July	0.34	0.35	0.00	0.00	0.00	0.35	4.27	4.27	0.00	5.30	0.00
August	0.33	0.34	0.00	0.00	0.00	0.34	4.15	4.15	0.00	5.30	0.00
September	0.29	0.30	0.00	0.00	0.00	0.30	3.54	3.54	0.00	5.30	0.00
Total yield											0.00
23.86 24.58 15.70 63.9%											

2004-2005

Month	recipitatio	Adjusted Precipitation	Direct Runoff	rrigation	Initial Soil Moisture	otal Availabl Soil Moisture	ETp	ETc	Net Soil Moisture	oil Watd ing Capacity	Percolation
October	4.6	4.74	3.17	0.00	0.00	1.57	2.81	2.81	0.00	5.30	0.00
November	1.38	1.42	0.42	0.00	0.00	1.00	1.30	1.30	0.00	5.30	0.00
December	8.66	8.92	7.16	0.00	0.00	1.76	0.98	0.98	0.78	5.30	0.00
January	6.11	6.29	4.63	0.00	0.78	2.44	1.46	1.46	0.98	5.30	0.00
February	5.28	5.44	3.82	0.00	0.98	2.60	1.65	1.65	0.95	5.30	0.00
March	5.52	5.69	4.06	0.00	0.95	2.58	2.44	2.44	0.14	5.30	0.00
April	1.69	1.74	0.63	0.00	0.14	1.24	2.95	2.95	0.00	5.30	0.00
May	2.32	2.39	1.12	0.00	0.00	1.27	3.91	3.91	0.00	5.30	0.00
June	1.31	1.35	0.38	0.00	0.00	0.97	4.25	4.25	0.00	5.30	0.00
July		0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August		0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September		0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total yield											0.00
36.87 37.98 25.39 66.9%											

Percolation for Uncultivated Upland El Granada

1950 - 2005

Averages			
Years used in averages	55		
Precipitation (Po)	27.046		
Adj. Precipitation	31.643		
Runoff	6.049	19%	
Irrigation		0%	
Evapotranspiration (Etc)	33.710	107%	
Percolation	8.054	25%	
Est actual ET	17.54	55%	

Crop Coeff.	
October	1
November	1
December	1
January	1
February	1
March	1
April	1
May	1
June	1
July	1
August	1
September	1

Soil Water Holding Capac	5.3
(mean value)	
Land Use	S
Contoured Row Crops Range	
Farmsteads	
Fallow Row	
S=	11
Adj. Precip. Fac	1.17
Irrigation effici	1

1947-1948												Available to Recharge
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation	in.
October		0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00	
November		0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00	
December		0.00	0.00	0.00	0.00	0.00	0.98	0.98	0.00	5.30	0.00	
January		0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.00	5.30	0.00	
February		0.00	0.00	0.00	0.00	0.00	1.65	1.65	0.00	5.30	0.00	
March		0.00	0.00	0.00	0.00	0.00	2.44	2.44	0.00	5.30	0.00	
April		0.00	0.00	0.00	0.00	0.00	2.95	2.95	0.00	5.30	0.00	
May		0.00	0.00	0.00	0.00	0.00	3.91	3.91	0.00	5.30	0.00	
June		0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00	
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00	
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00	
September	0.04	0.05	0.00	0.00	0.00	0.05	3.54	3.54	0.00	5.30	0.00	
Totals	0.04	0.05	0.00	0.0%								Total Mean Yiel 0.000

1948-1949												Total Mean Yiel
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation	in.
October	0.55	0.64	0.00	0.00	0.00	0.64	2.81	2.81	0.00	5.30	0.00	
November	0.66	0.77	0.00	0.00	0.00	0.77	1.30	1.30	0.00	5.30	0.00	
December	4.99	5.84	0.90	0.00	4.93	0.98	0.98	3.95	5.30	0.00		
January	1.73	2.02	0.00	0.00	3.95	1.46	1.46	4.52	5.30	0.00		
February	3.91	4.57	0.42	0.00	4.52	8.67	1.65	1.65	7.02	5.30	1.72	
March	4.96	5.80	0.89	0.00	5.30	10.21	2.44	2.44	7.77	5.30	2.47	
April	0.00	0.00	0.00	0.00	5.30	5.30	2.95	2.95	2.35	5.30	0.00	
May	0.41	0.48	0.00	0.00	2.35	2.83	3.91	3.91	0.00	5.30	0.00	
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00	
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00	
August	0.17	0.20	0.00	0.00	0.00	0.20	4.15	4.15	0.00	5.30	0.00	
September		0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00	
Totals	17.38	20.33	2.21	10.9%								Total Mean Yiel 4.195

1949-1950												Total Mean Yiel
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation	in.
October	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00	
November		0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00	
December		0.00	0.00	0.00	0.00	0.00	0.98	0.98	0.00	5.30	0.00	
January		0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.00	5.30	0.00	
February	2.24	2.62	0.02	0.00	0.00	2.61	1.65	1.65	0.96	5.30	0.00	
March	1.34	1.57	0.00	0.00	0.96	2.52	2.44	2.44	0.08	5.30	0.00	
April	2.12	2.48	0.01	0.00	0.08	2.56	2.95	2.95	0.00	5.30	0.00	
May	0.37	0.43	0.00	0.00	0.00	0.43	3.91	3.91	0.00	5.30	0.00	
June	0.14	0.16	0.00	0.00	0.00	0.16	4.25	4.25	0.00	5.30	0.00	
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00	
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00	
September	0.08	0.09	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00	
Totals	6.29	7.36	0.02	0.3%								Total Mean Yiel 0.000

1950-1951												Total Mean Yiel
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation	in.
October	1.95	2.28	0.00	0.00	0.00	2.28	2.81	2.81	0.00	5.30	0.00	
November	5.46	6.39	1.15	0.00	0.00	5.23	1.30	1.30	3.93	5.30	0.00	
December	6.01	7.03	1.47	0.00	3.93	9.49	0.98	0.98	8.51	5.30	3.21	
January	5.11	5.98	0.97	0.00	5.30	10.31	1.46	1.46	8.85	5.30	3.55	
February	2.98	3.49	0.13	0.00	5.30	8.65	1.65	1.65	7.00	5.30	1.70	
March	2.84	3.32	0.10	0.00	5.30	8.52	2.44	2.44	6.08	5.30	0.78	
April	0.91	1.06	0.00	0.00	5.30	6.36	2.95	2.95	3.41	5.30	0.00	
May	0.98	1.15	0.00	0.00	3.41	4.56	3.91	3.91	0.65	5.30	0.00	
June	0.17	0.20	0.00	0.00	0.65	0.85	4.25	4.25	0.00	5.30	0.00	
July	0.12	0.14	0.00	0.00	0.00	0.14	4.27	4.27	0.00	5.30	0.00	
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00	
September	0.28	0.33	0.00	0.00	0.00	0.33	3.54	3.54	0.00	5.30	0.00	
Totals	26.81	31.37	3.83	12.2%								Total Mean Yiel 9.244

Percolation for Uncultivated Upland El Granada

1951-1952

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.16	1.36	0.00	0.00	0.00	1.36	2.81	2.81	0.00	5.30	0.00
November	4.15	4.86	0.52	0.00	0.00	4.34	1.30	1.30	3.04	5.30	0.00
December	11.30	13.22	5.52	0.00	3.04	10.74	0.98	0.98	9.76	5.30	4.46
January	9.31	10.89	3.84	0.00	5.30	12.36	1.46	1.46	10.90	5.30	5.60
February	2.20	2.57	0.01	0.00	5.30	7.86	1.65	1.65	6.21	5.30	0.91
March	6.21	7.27	1.60	0.00	5.30	10.97	2.44	2.44	8.53	5.30	3.23
April	0.62	0.73	0.00	0.00	5.30	6.03	2.95	2.95	3.08	5.30	0.00
May	0.45	0.53	0.00	0.00	3.08	3.60	3.91	3.91	0.00	5.30	0.00
June	1.14	1.33	0.00	0.00	0.00	1.33	4.25	4.25	0.00	5.30	0.00
July	0.03	0.04	0.00	0.00	0.00	0.04	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.15	0.18	0.00	0.00	0.00	0.18	3.54	3.54	0.00	5.30	0.00
	36.72	42.96	11.48	26.7%						Total Mean Yield	14.200

1952-1953

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.27	0.32	0.00	0.00	0.00	0.32	2.81	2.81	0.00	5.30	0.00
November	2.66	3.11	0.07	0.00	0.00	3.04	1.30	1.30	1.74	5.30	0.00
December	11.36	13.29	5.57	0.00	1.74	9.47	0.98	0.98	8.49	5.30	3.19
January	4.55	5.32	0.69	0.00	5.30	9.93	1.46	1.46	8.47	5.30	3.17
February	0.00	0.00	0.00	0.00	5.30	5.30	1.65	1.65	3.65	5.30	0.00
March	0.00	0.00	0.00	0.00	3.65	3.65	2.44	2.44	1.21	5.30	0.00
April	3.17	3.71	0.18	0.00	1.21	4.74	2.95	2.95	1.79	5.30	0.00
May	0.60	0.70	0.00	0.00	1.79	2.49	3.91	3.91	0.00	5.30	0.00
June	0.56	0.66	0.00	0.00	0.00	0.66	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.53	0.62	0.00	0.00	0.00	0.62	4.15	4.15	0.00	5.30	0.00
September	0.12	0.14	0.00	0.00	0.00	0.14	3.54	3.54	0.00	5.30	0.00
	23.82	27.87	6.51	23.4%						Total Mean Yield	6.358

1953-1954

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.67	0.78	0.00	0.00	0.00	0.78	2.81	2.81	0.00	5.30	0.00
November	3.33	3.90	0.23	0.00	0.00	3.67	1.30	1.30	2.37	5.30	0.00
December	1.04	1.22	0.00	0.00	2.37	3.59	0.98	0.98	2.61	5.30	0.00
January	4.18	4.89	0.53	0.00	2.61	6.97	1.46	1.46	5.51	5.30	0.21
February	2.58	3.02	0.06	0.00	5.30	8.26	1.65	1.65	6.61	5.30	1.31
March	5.03	5.89	0.92	0.00	5.30	10.26	2.44	2.44	7.82	5.30	2.52
April	1.49	1.74	0.00	0.00	5.30	7.04	2.95	2.95	4.09	5.30	0.00
May	0.06	0.07	0.00	0.00	4.09	4.16	3.91	3.91	0.25	5.30	0.00
June	0.64	0.75	0.00	0.00	0.25	1.00	4.25	4.25	0.00	5.30	0.00
July	0.10	0.12	0.00	0.00	0.00	0.12	4.27	4.27	0.00	5.30	0.00
August	0.55	0.64	0.00	0.00	0.00	0.64	4.15	4.15	0.00	5.30	0.00
September	0.08	0.09	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00
	19.75	23.11	1.74	7.5%						Total Mean Yield	4.040

1954-1955

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.23	0.27	0.00	0.00	0.00	0.27	2.81	2.81	0.00	5.30	0.00
November	1.96	2.29	0.00	0.00	0.00	2.29	1.30	1.30	0.99	5.30	0.00
December	4.53	5.30	0.68	0.00	0.99	5.61	0.98	0.98	4.63	5.30	0.00
January	5.06	5.92	0.94	0.00	4.63	9.61	1.46	1.46	8.15	5.30	2.85
February	1.37	1.60	0.00	0.00	5.30	6.90	1.65	1.65	5.25	5.30	0.00
March	0.28	0.33	0.00	0.00	5.25	5.58	2.44	2.44	3.14	5.30	0.00
April	2.60	3.04	0.06	0.00	3.14	6.12	2.95	2.95	3.17	5.30	0.00
May	0.36	0.42	0.00	0.00	3.17	3.59	3.91	3.91	0.00	5.30	0.00
June	0.07	0.08	0.00	0.00	0.00	0.08	4.25	4.25	0.00	5.30	0.00
July	0.17	0.20	0.00	0.00	0.00	0.20	4.27	4.27	0.00	5.30	0.00
August	0.12	0.14	0.00	0.00	0.00	0.14	4.15	4.15	0.00	5.30	0.00
September	0.28	0.33	0.00	0.00	0.00	0.33	3.54	3.54	0.00	5.30	0.00
	17.03	19.93	1.68	8.4%						Total Mean Yield	2.851

1955-1956

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.21	0.25	0.00	0.00	0.00	0.25	2.81	2.81	0.00	5.30	0.00
November	2.32	2.71	0.02	0.00	0.00	2.69	1.30	1.30	1.39	5.30	0.00
December	13.81	16.16	7.81	0.00	1.39	9.74	0.98	0.98	8.76	5.30	3.46
January	11.38	13.31	5.59	0.00	5.30	13.03	1.46	1.46	11.57	5.30	6.27
February	2.81	3.29	0.10	0.00	5.30	8.49	1.65	1.65	6.84	5.30	1.54
March	0.00	0.00	0.00	0.00	5.30	5.30	2.44	2.44	2.86	5.30	0.00
April	1.88	2.20	0.00	0.00	2.86	5.06	2.95	2.95	2.11	5.30	0.00
May	1.37	1.60	0.00	0.00	2.11	3.71	3.91	3.91	0.00	5.30	0.00
June	0.07	0.08	0.00	0.00	0.00	0.08	4.25	4.25	0.00	5.30	0.00
July	0.25	0.29	0.00	0.00	0.00	0.29	4.27	4.27	0.00	5.30	0.00
August	0.45	0.53	0.00	0.00	0.00	0.53	4.15	4.15	0.00	5.30	0.00
September	0.45	0.53	0.00	0.00	0.00	0.53	3.54	3.54	0.00	5.30	0.00
	35.00	40.95	13.51	33.0%						Total Mean Yield	11.272

Percolation for Uncultivated Upland El Granada

1956-1957 Precipitation

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.75	2.05	0.00	0.00	0.00	2.05	2.81	2.81	0.00	5.30	0.00
November	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	0.57	0.67	0.00	0.00	0.00	0.67	0.98	0.98	0.00	5.30	0.00
January	3.31	3.87	0.22	0.00	0.00	3.65	1.46	1.46	2.19	5.30	0.00
February	4.42	5.17	0.63	0.00	2.19	6.73	1.65	1.65	5.08	5.30	0.00
March	5.98	7.00	1.46	0.00	5.08	10.62	2.44	2.44	8.18	5.30	2.88
April	1.65	1.93	0.00	0.00	5.30	7.23	2.95	2.95	4.28	5.30	0.00
May	4.10	4.80	0.50	0.00	4.28	8.58	3.91	3.91	4.67	5.30	0.00
June	0.08	0.09	0.00	0.00	4.67	4.77	4.25	4.25	0.52	5.30	0.00
July	0.00	0.00	0.00	0.00	0.52	0.52	4.27	4.27	0.00	5.30	0.00
August	0.08	0.09	0.00	0.00	0.00	0.09	4.15	4.15	0.00	5.30	0.00
September	1.08	1.26	0.00	0.00	0.00	1.26	3.54	3.54	0.00	5.30	0.00
	23.02	26.93	2.81	10.4%						Total Mean Yiel	2.881

1957-1958

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.17	3.71	0.18	0.00	0.00	3.53	2.81	2.81	0.72	5.30	0.00
November	1.78	2.08	0.00	0.00	0.72	2.80	1.30	1.30	1.50	5.30	0.00
December	3.88	4.54	0.41	0.00	1.50	5.63	0.98	0.98	4.65	5.30	0.00
January	6.23	7.29	1.61	0.00	4.65	10.33	1.46	1.46	8.87	5.30	3.57
February	10.79	12.62	5.07	0.00	5.30	12.85	1.65	1.65	11.20	5.30	5.90
March	9.38	10.97	3.89	0.00	5.30	12.38	2.44	2.44	9.94	5.30	4.64
April	5.83	6.82	1.37	0.00	5.30	10.75	2.95	2.95	7.80	5.30	2.50
May	0.68	0.80	0.00	0.00	5.30	6.10	3.91	3.91	2.19	5.30	0.00
June	0.71	0.83	0.00	0.00	2.19	3.02	4.25	4.25	0.00	5.30	0.00
July	0.38	0.44	0.00	0.00	0.00	0.44	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.18	0.21	0.00	0.00	0.00	0.21	3.54	3.54	0.00	5.30	0.00
	43.01	50.32	12.53	24.9%						Total Mean Yiel	16.615

1958-1959

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.27	0.32	0.00	0.00	0.00	0.32	2.81	2.81	0.00	5.30	0.00
November	0.50	0.59	0.00	0.00	0.00	0.59	1.30	1.30	0.00	5.30	0.00
December	1.89	2.21	0.00	0.00	0.00	2.21	0.98	0.98	1.23	5.30	0.00
January	5.07	5.93	0.95	0.00	1.23	6.22	1.46	1.46	4.76	5.30	0.00
February	5.64	6.60	1.26	0.00	4.76	10.10	1.65	1.65	8.45	5.30	3.15
March	0.64	0.75	0.00	0.00	5.30	6.05	2.44	2.44	3.61	5.30	0.00
April	0.42	0.49	0.00	0.00	3.61	4.10	2.95	2.95	1.15	5.30	0.00
May	0.36	0.42	0.00	0.00	1.15	1.57	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.21	0.25	0.00	0.00	0.00	0.25	4.15	4.15	0.00	5.30	0.00
September	3.66	4.28	0.33	0.00	0.00	3.95	3.54	3.54	0.41	5.30	0.00
	18.66	21.83	2.53	11.6%						Total yield	3.150

1959-1960

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.40	0.47	0.00	0.00	0.41	0.88	2.81	2.81	0.00	5.30	0.00
November	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	1.97	2.30	0.00	0.00	0.00	2.30	0.98	0.98	1.32	5.30	0.00
January	5.29	6.19	1.06	0.00	1.32	6.45	1.46	1.46	4.99	5.30	0.00
February	4.66	5.45	0.74	0.00	4.99	9.70	1.65	1.65	8.05	5.30	2.75
March	1.90	2.22	0.00	0.00	5.30	7.52	2.44	2.44	5.08	5.30	0.00
April	1.27	1.49	0.00	0.00	5.08	6.57	2.95	2.95	3.62	5.30	0.00
May	0.71	0.83	0.00	0.00	3.62	4.45	3.91	3.91	0.54	5.30	0.00
June	0.00	0.00	0.00	0.00	0.54	0.54	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	16.20	18.95	1.80	9.5%						Total yield	2.752

1960-1961

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.88	1.03	0.00	0.00	0.00	1.03	2.81	2.81	0.00	5.30	0.00
November	5.12	5.99	0.97	0.00	0.00	5.02	1.30	1.30	3.72	5.30	0.00
December	1.70	1.99	0.00	0.00	3.72	5.71	0.98	0.98	4.73	5.30	0.00
January	2.98	3.49	0.13	0.00	4.73	8.08	1.46	1.46	6.62	5.30	1.32
February	1.89	2.21	0.00	0.00	5.30	7.51	1.65	1.65	5.86	5.30	0.56
March	3.25	3.80	0.20	0.00	5.30	8.90	2.44	2.44	6.46	5.30	1.16
April	1.06	1.24	0.00	0.00	5.30	6.54	2.95	2.95	3.59	5.30	0.00
May	1.73	2.02	0.00	0.00	3.59	5.61	3.91	3.91	1.70	5.30	0.00
June	0.22	0.26	0.00	0.00	1.70	1.96	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.10	0.12	0.00	0.00	0.00	0.12	4.15	4.15	0.00	5.30	0.00
September	0.57	0.67	0.00	0.00	0.00	0.67	3.54	3.54	0.00	5.30	0.00
	19.50	22.82	1.31	5.7%						Total yield	3.040

Percolation for Uncultivated Upland El Granada

1961-1962											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.12	0.14	0.00	0.00	0.00	0.14	2.81	2.81	0.00	5.30	0.00
November	3.66	4.28	0.33	0.00	0.00	3.95	1.30	1.30	2.65	5.30	0.00
December	3.18	3.72	0.18	0.00	2.65	6.19	0.98	0.98	5.21	5.30	0.00
January	2.09	2.45	0.01	0.00	5.21	7.65	1.46	1.46	6.19	5.30	0.89
February	8.64	10.11	3.31	0.00	5.30	12.10	1.65	1.65	10.45	5.30	5.15
March	3.52	4.12	0.28	0.00	5.30	9.13	2.44	2.44	6.69	5.30	1.39
April	0.82	0.96	0.00	0.00	5.30	6.26	2.95	2.95	3.31	5.30	0.00
May	0.24	0.28	0.00	0.00	3.31	3.59	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.29	0.34	0.00	0.00	0.00	0.34	4.15	4.15	0.00	5.30	0.00
September	0.51	0.60	0.00	0.00	0.00	0.60	3.54	3.54	0.00	5.30	0.00
Total Mean Yiel											7.431
23.07		26.99		4.11		15.2%					

1962-1963											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	10.97	12.83	5.23	0.00	0.00	7.61	2.81	2.81	4.80	5.30	0.00
November	0.60	0.70	0.00	0.00	4.80	5.50	1.30	1.30	4.20	5.30	0.00
December	3.57	4.18	0.30	0.00	4.20	8.07	0.98	0.98	7.09	5.30	1.79
January	3.44	4.02	0.26	0.00	5.30	9.07	1.46	1.46	7.61	5.30	2.31
February	3.65	4.27	0.33	0.00	5.30	9.24	1.65	1.65	7.59	5.30	2.29
March	4.33	5.07	0.59	0.00	5.30	9.77	2.44	2.44	7.33	5.30	2.03
April	5.08	5.94	0.95	0.00	5.30	10.29	2.95	2.95	7.34	5.30	2.04
May	0.64	0.75	0.00	0.00	5.30	6.05	3.91	3.91	2.14	5.30	0.00
June	0.00	0.00	0.00	0.00	2.14	2.14	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.03	0.04	0.00	0.00	0.00	0.04	4.15	4.15	0.00	5.30	0.00
September	0.09	0.11	0.00	0.00	0.00	0.11	3.54	3.54	0.00	5.30	0.00
Total Mean Yiel											10.469
32.40		37.91		7.66		20.2%					

1963-1964											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.48	2.90	0.04	0.00	0.00	2.86	2.81	2.81	0.05	5.30	0.00
November	4.00	4.68	0.46	0.00	0.05	4.27	1.30	1.30	2.97	5.30	0.00
December	1.04	1.22	0.00	0.00	2.97	4.19	0.98	0.98	3.21	5.30	0.00
January	5.32	6.22	1.08	0.00	3.21	8.36	1.46	1.46	6.90	5.30	1.60
February	0.52	0.61	0.00	0.00	5.30	5.91	1.65	1.65	4.26	5.30	0.00
March	2.46	2.88	0.04	0.00	4.26	7.10	2.44	2.44	4.66	5.30	0.00
April	0.23	0.27	0.00	0.00	4.66	4.93	2.95	2.95	1.98	5.30	0.00
May	0.47	0.55	0.00	0.00	1.98	2.53	3.91	3.91	0.00	5.30	0.00
June	0.58	0.68	0.00	0.00	0.00	0.68	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total Mean Yiel											1.597
17.10		20.01		1.62		8.1%					

1964-1965											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.89	2.21	0.00	0.00	0.00	2.21	2.81	2.81	0.00	5.30	0.00
November	3.11	3.64	0.17	0.00	0.00	3.47	1.30	1.30	2.17	5.30	0.00
December	7.50	8.78	2.46	0.00	2.17	8.49	0.98	0.98	7.51	5.30	2.21
January	4.41	5.16	0.63	0.00	5.30	9.83	1.46	1.46	8.37	5.30	3.07
February	1.40	1.64	0.00	0.00	5.30	6.94	1.65	1.65	5.29	5.30	0.00
March	1.58	1.85	0.00	0.00	5.29	7.14	2.44	2.44	4.70	5.30	0.00
April	5.22	6.11	1.02	0.00	4.70	9.78	2.95	2.95	6.83	5.30	1.53
May	0.00	0.00	0.00	0.00	5.30	5.30	3.91	3.91	1.39	5.30	0.00
June	0.06	0.07	0.00	0.00	1.39	1.46	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.23	0.27	0.00	0.00	0.00	0.27	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total Mean Yiel											6.810
25.40		29.72		4.28		14.4%					

1965-1966											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November	5.58	6.53	1.22	0.00	0.00	5.31	1.30	1.30	4.01	5.30	0.00
December	4.96	5.80	0.89	0.00	4.01	8.92	0.98	0.98	7.94	5.30	2.64
January	3.77	4.41	0.37	0.00	5.30	9.34	1.46	1.46	7.88	5.30	2.58
February	3.51	4.11	0.28	0.00	5.30	9.13	1.65	1.65	7.48	5.30	2.18
March	0.68	0.80	0.00	0.00	5.30	6.10	2.44	2.44	3.66	5.30	0.00
April	0.71	0.83	0.00	0.00	3.66	4.49	2.95	2.95	1.54	5.30	0.00
May	0.20	0.23	0.00	0.00	1.54	1.77	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.12	0.14	0.00	0.00	0.00	0.14	4.27	4.27	0.00	5.30	0.00
August	0.27	0.32	0.00	0.00	0.00	0.32	4.15	4.15	0.00	5.30	0.00
September	0.25	0.29	0.00	0.00	0.00	0.29	3.54	3.54	0.00	5.30	0.00
Total Mean Yiel											7.396
20.05		23.46		2.76		11.8%					

Percolation for Uncultivated Upland El Granada

1966-1967

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November	5.18	6.06	1.00	0.00	0.00	5.06	1.30	1.30	3.76	5.30	0.00
December	3.62	4.24	0.32	0.00	3.76	7.68	0.98	0.98	6.70	5.30	1.40
January	10.44	12.21	4.77	0.00	5.30	12.74	1.46	1.46	11.28	5.30	5.98
February	0.25	0.29	0.00	0.00	5.30	5.59	1.65	1.65	3.94	5.30	0.00
March	6.18	7.23	1.58	0.00	3.94	9.59	2.44	2.44	7.15	5.30	1.85
April	7.43	8.69	2.41	0.00	5.30	11.58	2.95	2.95	8.63	5.30	3.33
May	0.25	0.29	0.00	0.00	5.30	5.59	3.91	3.91	1.68	5.30	0.00
June	1.44	1.68	0.00	0.00	1.68	3.37	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	34.79	40.70	10.08								
				24.8%							Total Mean Yield 12.565

1967-1968

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.76	0.89	0.00	0.00	0.00	0.89	2.81	2.81	0.00	5.30	0.00
November	2.13	2.49	0.01	0.00	0.00	2.48	1.30	1.30	1.18	5.30	0.00
December	2.89	3.38	0.11	0.00	1.18	4.45	0.98	0.98	3.47	5.30	0.00
January	6.19	7.24	1.58	0.00	3.47	9.13	1.46	1.46	7.67	5.30	2.37
February	2.62	3.07	0.06	0.00	5.30	8.30	1.65	1.65	6.65	5.30	1.35
March	5.78	6.76	1.34	0.00	5.30	10.72	2.44	2.44	8.28	5.30	2.98
April	0.61	0.71	0.00	0.00	5.30	6.01	2.95	2.95	3.06	5.30	0.00
May	0.24	0.28	0.00	0.00	3.06	3.34	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.28	0.33	0.00	0.00	0.00	0.33	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	21.50	25.16	3.11								
				12.4%							Total Mean Yield 6.706

1968-1969

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.65	0.76	0.00	0.00	0.00	0.76	2.81	2.81	0.00	5.30	0.00
November	2.69	3.15	0.08	0.00	0.00	3.07	1.30	1.30	1.77	5.30	0.00
December	5.90	6.90	1.41	0.00	1.77	7.27	0.98	0.98	6.29	5.30	0.99
January	8.06	9.43	2.87	0.00	5.30	11.86	1.46	1.46	10.40	5.30	5.10
February	8.68	10.16	3.34	0.00	5.30	12.12	1.65	1.65	10.47	5.30	5.17
March	2.07	2.42	0.00	0.00	5.30	7.72	2.44	2.44	5.28	5.30	0.00
April	2.76	3.23	0.09	0.00	5.28	8.42	2.95	2.95	5.47	5.30	0.17
May	0.06	0.07	0.00	0.00	5.30	5.37	3.91	3.91	1.46	5.30	0.00
June	0.40	0.47	0.00	0.00	1.46	1.93	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.21	0.25	0.00	0.00	0.00	0.25	3.54	3.54	0.00	5.30	0.00
	31.48	36.83	7.78								
				21.1%							Total Mean Yield 11.425

1969-1970

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.73	2.02	0.00	0.00	0.00	2.02	2.81	2.81	0.00	5.30	0.00
November	0.76	0.89	0.00	0.00	0.00	0.89	1.30	1.30	0.00	5.30	0.00
December	4.55	5.32	0.69	0.00	0.00	4.63	0.98	0.98	3.65	5.30	0.00
January	8.49	9.93	3.19	0.00	3.65	10.39	1.46	1.46	8.93	5.30	3.63
February	2.31	2.70	0.02	0.00	5.30	7.98	1.65	1.65	6.33	5.30	1.03
March	2.04	2.39	0.00	0.00	5.30	7.68	2.44	2.44	5.24	5.30	0.00
April	0.32	0.37	0.00	0.00	5.24	5.62	2.95	2.95	2.67	5.30	0.00
May	0.27	0.32	0.00	0.00	2.67	2.98	3.91	3.91	0.00	5.30	0.00
June	0.21	0.25	0.00	0.00	0.00	0.25	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	20.68	24.20	3.91								
				16.2%							Total Mean Yield 4.664

1970-1971

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.90	1.05	0.00	0.00	0.00	1.05	2.81	2.81	0.00	5.30	0.00
November	8.41	9.84	3.13	0.00	0.00	6.71	1.30	1.30	5.41	5.30	0.11
December	7.67	8.97	2.58	0.00	5.30	11.69	0.98	0.98	10.71	5.30	5.41
January	1.61	1.88	0.00	0.00	5.30	7.18	1.46	1.46	5.72	5.30	0.42
February	0.76	0.89	0.00	0.00	5.30	6.19	1.65	1.65	4.54	5.30	0.00
March	3.49	4.08	0.28	0.00	4.54	8.35	2.44	2.44	5.91	5.30	0.61
April	1.51	1.77	0.00	0.00	5.30	7.07	2.95	2.95	4.12	5.30	0.00
May	0.53	0.62	0.00	0.00	4.12	4.74	3.91	3.91	0.83	5.30	0.00
June	0.08	0.09	0.00	0.00	0.83	0.92	4.25	4.25	0.00	5.30	0.00
July	0.28	0.33	0.00	0.00	0.00	0.33	4.27	4.27	0.00	5.30	0.00
August	0.36	0.42	0.00	0.00	0.00	0.42	4.15	4.15	0.00	5.30	0.00
September	0.40	0.47	0.00	0.00	0.00	0.47	3.54	3.54	0.00	5.30	0.00
	26.00	30.42	5.99								
				19.7%							Total Mean Yield 6.552

Percolation for Uncultivated Upland El Granada

1971-1972

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.23	0.27	0.00	0.00	0.00	0.27	2.81	2.81	0.00	5.30	0.00
November	2.29	2.68	0.02	0.00	0.00	2.66	1.30	1.30	1.36	5.30	0.00
December	5.10	5.97	0.96	0.00	1.36	6.37	0.98	0.98	5.39	5.30	0.09
January	1.27	1.49	0.00	0.00	5.30	6.79	1.46	1.46	5.33	5.30	0.03
February	1.33	1.56	0.00	0.00	5.30	6.86	1.65	1.65	5.21	5.30	0.00
March	0.19	0.22	0.00	0.00	5.21	5.43	2.44	2.44	2.99	5.30	0.00
April	1.25	1.46	0.00	0.00	2.99	4.45	2.95	2.95	1.50	5.30	0.00
May	0.11	0.13	0.00	0.00	1.50	1.63	3.91	3.91	0.00	5.30	0.00
June	0.28	0.33	0.00	0.00	0.00	0.33	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.98	1.15	0.00	0.00	0.00	1.15	3.54	3.54	0.00	5.30	0.00
	13.03	15.25	0.98	6.4%						Total Mean Yiel	0.111

1972-1973

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	6.90	8.07	2.04	0.00	0.00	6.03	2.81	2.81	3.22	5.30	0.00
November	6.49	7.59	1.77	0.00	3.22	9.04	1.30	1.30	7.74	5.30	2.44
December	3.17	3.71	0.18	0.00	5.30	8.83	0.98	0.98	7.85	5.30	2.55
January	8.78	10.27	3.42	0.00	5.30	12.16	1.46	1.46	10.70	5.30	5.40
February	7.33	8.58	2.34	0.00	5.30	11.54	1.65	1.65	9.89	5.30	4.59
March		0.00	0.00	0.00	5.30	5.30	2.44	2.44	2.86	5.30	0.00
April	0.23	0.27	0.00	0.00	2.86	3.13	2.95	2.95	0.18	5.30	0.00
May	0.21	0.25	0.00	0.00	0.18	0.42	3.91	3.91	0.00	5.30	0.00
June	0.05	0.06	0.00	0.00	0.00	0.06	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.09	0.11	0.00	0.00	0.00	0.11	4.15	4.15	0.00	5.30	0.00
September	0.62	0.73	0.00	0.00	0.00	0.73	3.54	3.54	0.00	5.30	0.00
	33.87	39.63	9.76	24.6%						Total yield	14.967

1973-1974

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.04	3.56	0.15	0.00	0.00	3.41	2.81	2.81	0.60	5.30	0.00
November	9.50	11.12	3.99	0.00	0.60	7.72	1.30	1.30	6.42	5.30	1.12
December	6.32	7.39	1.67	0.00	5.30	11.03	0.98	0.98	10.05	5.30	4.75
January	4.87	5.70	0.84	0.00	5.30	10.15	1.46	1.46	8.69	5.30	3.39
February	2.16	2.53	0.01	0.00	5.30	7.82	1.65	1.65	6.17	5.30	0.87
March	7.20	8.42	2.25	0.00	5.30	11.47	2.44	2.44	9.03	5.30	3.73
April	3.22	3.77	0.20	0.00	5.30	8.87	2.95	2.95	5.92	5.30	0.62
May	0.01	0.01	0.00	0.00	5.30	5.31	3.91	3.91	1.40	5.30	0.00
June	0.50	0.59	0.00	0.00	1.40	1.99	4.25	4.25	0.00	5.30	0.00
July	1.01	1.18	0.00	0.00	0.00	1.18	4.27	4.27	0.00	5.30	0.00
August	0.13	0.15	0.00	0.00	0.00	0.15	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	37.96	44.41	9.10	20.5%						Total yield	14.489

1974-1975

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.36	1.59	0.00	0.00	0.00	1.59	2.81	2.81	0.00	5.30	0.00
November	0.64	0.75	0.00	0.00	0.00	0.75	1.30	1.30	0.00	5.30	0.00
December	3.64	4.26	0.32	0.00	0.00	3.93	0.98	0.98	2.95	5.30	0.00
January	2.95	3.45	0.13	0.00	2.95	6.28	1.46	1.46	4.82	5.30	0.00
February	4.88	5.71	0.85	0.00	4.82	9.68	1.65	1.65	8.03	5.30	2.73
March	7.11	8.32	2.19	0.00	5.30	11.43	2.44	2.44	8.99	5.30	3.69
April	2.14	2.50	0.01	0.00	5.30	7.80	2.95	2.95	4.85	5.30	0.00
May	0.10	0.12	0.00	0.00	4.85	4.96	3.91	3.91	1.05	5.30	0.00
June	0.28	0.33	0.00	0.00	1.05	1.38	4.25	4.25	0.00	5.30	0.00
July	0.52	0.61	0.00	0.00	0.00	0.61	4.27	4.27	0.00	5.30	0.00
August	0.59	0.69	0.00	0.00	0.00	0.69	4.15	4.15	0.00	5.30	0.00
September	0.02	0.02	0.00	0.00	0.00	0.02	3.54	3.54	0.00	5.30	0.00
	24.23	28.35	3.50	12.3%						Total yield	6.420

1975-1976

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	4.49	5.25	0.66	0.00	0.00	4.59	2.81	2.81	1.78	5.30	0.00
November	0.85	0.99	0.00	0.00	1.78	2.77	1.30	1.30	1.47	5.30	0.00
December	0.69	0.81	0.00	0.00	1.47	2.28	0.98	0.98	1.30	5.30	0.00
January	0.52	0.61	0.00	0.00	1.30	1.91	1.46	1.46	0.45	5.30	0.00
February	2.54	2.97	0.05	0.00	0.45	3.37	1.65	1.65	1.72	5.30	0.00
March	1.13	1.32	0.00	0.00	1.72	3.04	2.44	2.44	0.60	5.30	0.00
April	2.04	2.39	0.00	0.00	0.60	2.99	2.95	2.95	0.04	5.30	0.00
May	0.13	0.15	0.00	0.00	0.04	0.19	3.91	3.91	0.00	5.30	0.00
June	0.04	0.05	0.00	0.00	0.00	0.05	4.25	4.25	0.00	5.30	0.00
July	0.14	0.16	0.00	0.00	0.00	0.16	4.27	4.27	0.00	5.30	0.00
August	1.56	1.83	0.00	0.00	0.00	1.83	4.15	4.15	0.00	5.30	0.00
September	0.59	0.69	0.00	0.00	0.00	0.69	3.54	3.54	0.00	5.30	0.00
	14.72	17.22	0.72	4.2%						Total yield	0.000

Percolation for Uncultivated Upland El Granada

1976-1977

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.30	0.35	0.00	0.00	0.00	0.35	2.81	2.81	0.00	5.30	0.00
November	1.73	2.02	0.00	0.00	0.00	2.02	1.30	1.30	0.72	5.30	0.00
December	2.41	2.82	0.03	0.00	0.72	3.51	0.98	0.98	2.53	5.30	0.00
January	2.26	2.64	0.02	0.00	2.53	5.16	1.46	1.46	3.70	5.30	0.00
February	1.31	1.53	0.00	0.00	3.70	5.23	1.65	1.65	3.58	5.30	0.00
March	3.15	3.69	0.18	0.00	3.58	7.09	2.44	2.44	4.65	5.30	0.00
April	0.20	0.23	0.00	0.00	4.65	4.88	2.95	2.95	1.93	5.30	0.00
May	1.23	1.44	0.00	0.00	1.93	3.37	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.16	0.19	0.00	0.00	0.00	0.19	4.27	4.27	0.00	5.30	0.00
August	0.27	0.32	0.00	0.00	0.00	0.32	4.15	4.15	0.00	5.30	0.00
September	1.59	1.86	0.00	0.00	0.00	1.86	3.54	3.54	0.00	5.30	0.00
	14.61	17.09	0.23	1.3%						Total yield	0.00

1977-1978

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.47	0.55	0.00	0.00	0.00	0.55	2.81	2.81	0.00	5.30	0.00
November	3.37	3.94	0.24	0.00	0.00	3.70	1.30	1.30	2.40	5.30	0.00
December	5.60	6.55	1.23	0.00	2.40	7.72	0.98	0.98	6.74	5.30	1.44
January	9.01	10.54	3.60	0.00	5.30	12.24	1.46	1.46	10.78	5.30	5.48
February	5.62	6.58	1.25	0.00	5.30	10.63	1.65	1.65	8.98	5.30	3.68
March	5.58	6.53	1.22	0.00	5.30	10.61	2.44	2.44	8.17	5.30	2.87
April	4.50	5.27	0.67	0.00	5.30	9.90	2.95	2.95	6.95	5.30	1.65
May	0.00	0.00	0.00	0.00	5.30	5.30	3.91	3.91	1.39	5.30	0.00
June	0.00	0.00	0.00	0.00	1.39	1.39	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	34.15	39.96	8.21	20.5%						Total yield	15.121

1978-1979

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.05	0.06	0.00	0.00	0.00	0.06	2.81	2.81	0.00	5.30	0.00
November	3.04	3.56	0.15	0.00	0.00	3.41	1.30	1.30	2.11	5.30	0.00
December	0.83	0.97	0.00	0.00	2.11	3.08	0.98	0.98	2.10	5.30	0.00
January	8.11	9.49	2.90	0.00	2.10	8.68	1.46	1.46	7.22	5.30	1.92
February	6.27	7.34	1.63	0.00	5.30	11.00	1.65	1.65	9.35	5.30	4.05
March	4.83	5.65	0.82	0.00	5.30	10.13	2.44	2.44	7.69	5.30	2.39
April	0.89	1.04	0.00	0.00	5.30	6.34	2.95	2.95	3.39	5.30	0.00
May	0.85	0.99	0.00	0.00	3.39	4.39	3.91	3.91	0.48	5.30	0.00
June	0.00	0.00	0.00	0.00	0.48	0.48	4.25	4.25	0.00	5.30	0.00
July	0.29	0.34	0.00	0.00	0.00	0.34	4.27	4.27	0.00	5.30	0.00
August	0.13	0.15	0.00	0.00	0.00	0.15	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	25.29	29.59	5.51	18.6%						Total yield	8.361

1979-1980

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.23	3.78	0.20	0.00	0.00	3.58	2.81	2.81	0.77	5.30	0.00
November	3.97	4.64	0.44	0.00	0.77	4.97	1.30	1.30	3.67	5.30	0.00
December	5.76	6.74	1.33	0.00	3.67	9.08	0.98	0.98	8.10	5.30	2.80
January	5.40	6.32	1.12	0.00	5.30	10.50	1.46	1.46	9.04	5.30	3.74
February	7.49	8.76	2.45	0.00	5.30	11.61	1.65	1.65	9.96	5.30	4.66
March	1.90	2.22	0.00	0.00	5.30	7.52	2.44	2.44	5.08	5.30	0.00
April	1.88	2.20	0.00	0.00	5.08	7.28	2.95	2.95	4.33	5.30	0.00
May	0.32	0.37	0.00	0.00	4.33	4.71	3.91	3.91	0.80	5.30	0.00
June	0.03	0.04	0.00	0.00	0.80	0.83	4.25	4.25	0.00	5.30	0.00
July	0.07	0.08	0.00	0.00	0.00	0.08	4.27	4.27	0.00	5.30	0.00
August	0.05	0.06	0.00	0.00	0.00	0.06	4.15	4.15	0.00	5.30	0.00
September	0.18	0.21	0.00	0.00	0.00	0.21	3.54	3.54	0.00	5.30	0.00
	30.28	35.43	5.54	15.6%						Total yield	11.201

1980-1981

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.18	0.21	0.00	0.00	0.00	0.21	2.81	2.81	0.00	5.30	0.00
November	0.65	0.76	0.00	0.00	0.00	0.76	1.30	1.30	0.00	5.30	0.00
December	2.44	2.85	0.04	0.00	0.00	2.82	0.98	0.98	1.84	5.30	0.00
January	7.48	8.75	2.45	0.00	1.84	8.14	1.46	1.46	6.68	5.30	1.38
February	2.42	2.83	0.03	0.00	5.30	8.10	1.65	1.65	6.45	5.30	1.15
March	4.71	5.51	0.77	0.00	5.30	10.04	2.44	2.44	7.60	5.30	2.30
April	0.24	0.28	0.00	0.00	5.30	5.58	2.95	2.95	2.63	5.30	0.00
May	0.33	0.39	0.00	0.00	2.63	3.02	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.42	0.49	0.00	0.00	0.00	0.49	4.15	4.15	0.00	5.30	0.00
September	0.37	0.43	0.00	0.00	0.00	0.43	3.54	3.54	0.00	5.30	0.00
	19.24	22.51	3.28	14.6%						Total yield	4.836

Percolation for Uncultivated Upland El Granada

1981-1982

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.98	4.66	0.45	0.00	0.00	4.21	2.81	2.81	1.40	5.30	0.00
November	7.08	8.28	2.17	0.00	1.40	7.52	1.30	1.30	6.22	5.30	0.92
December	6.00	7.02	1.47	0.00	5.30	10.85	0.98	0.98	9.87	5.30	4.57
January	12.01	14.05	6.15	0.00	5.30	13.20	1.46	1.46	11.74	5.30	6.44
February	5.11	5.98	0.97	0.00	5.30	10.31	1.65	1.65	8.66	5.30	3.36
March	7.91	9.25	2.76	0.00	5.30	11.80	2.44	2.44	9.36	5.30	4.06
April	5.02	5.87	0.92	0.00	5.30	10.25	2.95	2.95	7.30	5.30	2.00
May	0.00	0.00	0.00	0.00	5.30	5.30	3.91	3.91	1.39	5.30	0.00
June	0.42	0.49	0.00	0.00	1.39	1.88	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.15	0.18	0.00	0.00	0.00	0.18	4.15	4.15	0.00	5.30	0.00
September	1.73	2.02	0.00	0.00	0.00	2.02	3.54	3.54	0.00	5.30	0.00
	49.41	57.81	14.87							Total yield	21.356

1982-1983

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.82	4.47	0.39	0.00	0.00	4.08	2.81	2.81	1.27	5.30	0.00
November	7.03	8.23	2.13	0.00	1.27	7.36	1.30	1.30	6.06	5.30	0.76
December	5.41	6.33	1.13	0.00	5.30	10.50	0.98	0.98	9.52	5.30	4.22
January	8.98	10.51	3.57	0.00	5.30	12.23	1.46	1.46	10.77	5.30	5.47
February	9.14	10.69	3.70	0.00	5.30	12.29	1.65	1.65	10.64	5.30	5.34
March	13.05	15.27	7.10	0.00	5.30	13.47	2.44	2.44	11.03	5.30	5.73
April	3.33	3.90	0.23	0.00	5.30	8.97	2.95	2.95	6.02	5.30	0.72
May	0.89	1.04	0.00	0.00	5.30	6.34	3.91	3.91	2.43	5.30	0.00
June	0.03	0.04	0.00	0.00	2.43	2.47	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.14	0.16	0.00	0.00	0.00	0.16	4.15	4.15	0.00	5.30	0.00
September	0.80	0.94	0.00	0.00	0.00	0.94	3.54	3.54	0.00	5.30	0.00
	52.62	61.57	18.24							Total yield	22.254

1983-1984

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.12	1.31	0.00	0.00	0.00	1.31	2.81	2.81	0.00	5.30	0.00
November	8.07	9.44	2.87	0.00	0.00	6.57	1.30	1.30	5.27	5.30	0.00
December	9.46	11.07	3.96	0.00	5.27	12.38	0.98	0.98	11.40	5.30	6.10
January	0.26	0.30	0.00	0.00	5.30	5.60	1.46	1.46	4.14	5.30	0.00
February	2.15	2.52	0.01	0.00	4.14	6.65	1.65	1.65	5.00	5.30	0.00
March	2.12	2.48	0.01	0.00	5.00	7.47	2.44	2.44	5.03	5.30	0.00
April	1.09	1.28	0.00	0.00	5.03	6.31	2.95	2.95	3.36	5.30	0.00
May	0.20	0.23	0.00	0.00	3.36	3.59	3.91	3.91	0.00	5.30	0.00
June	0.46	0.54	0.00	0.00	0.00	0.54	4.25	4.25	0.00	5.30	0.00
July	0.06	0.07	0.00	0.00	0.00	0.07	4.27	4.27	0.00	5.30	0.00
August	0.33	0.39	0.00	0.00	0.00	0.39	4.15	4.15	0.00	5.30	0.00
September	0.18	0.21	0.00	0.00	0.00	0.21	3.54	3.54	0.00	5.30	0.00
	25.50	29.84	6.85							Total yield	6.097

1984-1985

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.81	4.46	0.38	0.00	0.00	4.07	2.81	2.81	1.26	5.30	0.00
November	9.86	11.54	4.29	0.00	1.26	8.51	1.30	1.30	7.21	5.30	1.91
December	3.20	3.74	0.19	0.00	5.30	8.85	0.98	0.98	7.87	5.30	2.57
January	1.02	1.19	0.00	0.00	5.30	6.49	1.46	1.46	5.03	5.30	0.00
February	2.90	3.39	0.12	0.00	5.03	8.31	1.65	1.65	6.66	5.30	1.36
March	5.07	5.93	0.95	0.00	5.30	10.29	2.44	2.44	7.85	5.30	2.55
April	0.13	0.15	0.00	0.00	5.30	5.45	2.95	2.95	2.50	5.30	0.00
May	0.32	0.37	0.00	0.00	2.50	2.88	3.91	3.91	0.00	5.30	0.00
June	0.47	0.55	0.00	0.00	0.00	0.55	4.25	4.25	0.00	5.30	0.00
July	0.31	0.36	0.00	0.00	0.00	0.36	4.27	4.27	0.00	5.30	0.00
August	0.05	0.06	0.00	0.00	0.00	0.06	4.15	4.15	0.00	5.30	0.00
September	0.40	0.47	0.00	0.00	0.00	0.47	3.54	3.54	0.00	5.30	0.00
	27.54	32.22	5.92							Total yield	8.393

1985-1986

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.51	1.77	0.00	0.00	0.00	1.77	2.81	2.81	0.00	5.30	0.00
November	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	3.18	3.72	0.18	0.00	0.00	3.54	0.98	0.98	2.56	5.30	0.00
January	4.98	5.83	0.90	0.00	2.56	7.48	1.46	1.46	6.02	5.30	0.72
February	11.48	13.43	5.67	0.00	5.30	13.06	1.65	1.65	11.41	5.30	6.11
March	7.12	8.33	2.19	0.00	5.30	11.44	2.44	2.44	9.00	5.30	3.70
April	0.50	0.59	0.00	0.00	5.30	5.89	2.95	2.95	2.94	5.30	0.00
May	0.84	0.98	0.00	0.00	2.94	3.92	3.91	3.91	0.01	5.30	0.00
June	0.09	0.11	0.00	0.00	0.01	0.11	4.25	4.25	0.00	5.30	0.00
July	0.08	0.09	0.00	0.00	0.00	0.09	4.27	4.27	0.00	5.30	0.00
August	0.25	0.29	0.00	0.00	0.00	0.29	4.15	4.15	0.00	5.30	0.00
September	2.20	2.57	0.01	0.00	0.00	2.56	3.54	3.54	0.00	5.30	0.00
	32.23	37.71	8.96							Total yield	10.527

Percolation for Uncultivated Upland El Granada

1986-1987

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.42	0.49	0.00	0.00	0.00	0.49	2.81	2.81	0.00	5.30	0.00
November	0.32	0.37	0.00	0.00	0.00	0.37	1.30	1.30	0.00	5.30	0.00
December	3.10	3.63	0.16	0.00	0.00	3.46	0.98	0.98	2.48	5.30	0.00
January	5.10	5.97	0.96	0.00	2.48	7.49	1.46	1.46	6.03	5.30	0.73
February	3.87	4.53	0.41	0.00	5.30	9.42	1.65	1.65	7.77	5.30	2.47
March	4.16	4.87	0.52	0.00	5.30	9.65	2.44	2.44	7.21	5.30	1.91
April	0.95	1.11	0.00	0.00	5.30	6.41	2.95	2.95	3.46	5.30	0.00
May	0.06	0.07	0.00	0.00	3.46	3.53	3.91	3.91	0.00	5.30	0.00
June	0.08	0.09	0.00	0.00	0.00	0.09	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.10	0.12	0.00	0.00	0.00	0.12	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	18.16	21.25	2.05	9.7%						Total yield	5.107

1987-1988

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.13	2.49	0.01	0.00	0.00	2.48	2.81	2.81	0.00	5.30	0.00
November	2.63	3.08	0.06	0.00	0.00	3.01	1.30	1.30	1.71	5.30	0.00
December	6.03	7.06	1.49	0.00	1.71	7.28	0.98	0.98	6.30	5.30	1.00
January	4.48	5.24	0.66	0.00	5.30	9.88	1.46	1.46	8.42	5.30	3.12
February	0.58	0.68	0.00	0.00	5.30	5.98	1.65	1.65	4.33	5.30	0.00
March	0.12	0.14	0.00	0.00	4.33	4.47	2.44	2.44	2.03	5.30	0.00
April	3.04	3.56	0.15	0.00	2.03	5.44	2.95	2.95	2.49	5.30	0.00
May	0.69	0.81	0.00	0.00	2.49	3.29	3.91	3.91	0.00	5.30	0.00
June	0.29	0.34	0.00	0.00	0.00	0.34	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.01	0.01	0.00	0.00	0.00	0.01	4.15	4.15	0.00	5.30	0.00
September	0.02	0.02	0.00	0.00	0.00	0.02	3.54	3.54	0.00	5.30	0.00
	20.02	23.42	2.37	10.1%						Total yield	4.123

1988-1989

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.94	1.10	0.00	0.00	0.00	1.10	2.81	2.81	0.00	5.30	0.00
November	3.55	4.15	0.29	0.00	0.00	3.86	1.30	1.30	2.56	5.30	0.00
December	5.17	6.05	1.00	0.00	2.56	7.61	0.98	0.98	6.63	5.30	1.33
January	2.01	2.35	0.00	0.00	5.30	7.65	1.46	1.46	6.19	5.30	0.89
February	1.30	1.52	0.00	0.00	5.30	6.82	1.65	1.65	5.17	5.30	0.00
March	7.95	9.30	2.79	0.00	5.17	11.69	2.44	2.44	9.25	5.30	3.95
April	1.83	2.14	0.00	0.00	5.30	7.44	2.95	2.95	4.49	5.30	0.00
May	0.31	0.36	0.00	0.00	4.49	4.85	3.91	3.91	0.94	5.30	0.00
June	0.10	0.12	0.00	0.00	0.94	1.06	4.25	4.25	0.00	5.30	0.00
July	0.13	0.15	0.00	0.00	0.00	0.15	4.27	4.27	0.00	5.30	0.00
August	0.27	0.32	0.00	0.00	0.00	0.32	4.15	4.15	0.00	5.30	0.00
September	0.95	1.11	0.00	0.00	0.00	1.11	3.54	3.54	0.00	5.30	0.00
	24.51	28.68	4.08	14.2%						Total yield	6.166

1989-1990

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.05	2.40	0.00	0.00	0.00	2.39	2.81	2.81	0.00	5.30	0.00
November	1.95	2.28	0.00	0.00	0.00	2.28	1.30	1.30	0.98	5.30	0.00
December	0.03	0.04	0.00	0.00	0.98	1.02	0.98	0.98	0.04	5.30	0.00
January	4.29	5.02	0.58	0.00	0.04	4.48	1.46	1.46	3.02	5.30	0.00
February	2.52	2.95	0.05	0.00	3.02	5.92	1.65	1.65	4.27	5.30	0.00
March	1.33	1.56	0.00	0.00	4.27	5.83	2.44	2.44	3.39	5.30	0.00
April	0.29	0.34	0.00	0.00	3.39	3.73	2.95	2.95	0.78	5.30	0.00
May	2.82	3.30	0.10	0.00	0.78	3.98	3.91	3.91	0.07	5.30	0.00
June	0.46	0.54	0.00	0.00	0.07	0.60	4.25	4.25	0.00	5.30	0.00
July	0.24	0.28	0.00	0.00	0.00	0.28	4.27	4.27	0.00	5.30	0.00
August	0.14	0.16	0.00	0.00	0.00	0.16	4.15	4.15	0.00	5.30	0.00
September	0.33	0.39	0.00	0.00	0.00	0.39	3.54	3.54	0.00	5.30	0.00
	16.45	19.25	0.73	3.8%						Total yield	0.000

1990-1991

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.55	0.64	0.00	0.00	0.00	0.64	2.81	2.81	0.00	5.30	0.00
November	0.74	0.87	0.00	0.00	0.00	0.87	1.30	1.30	0.00	5.30	0.00
December	2.58	3.02	0.06	0.00	0.00	2.96	0.98	0.98	1.98	5.30	0.00
January	0.56	0.66	0.00	0.00	1.98	2.64	1.46	1.46	1.18	5.30	0.00
February	4.19	4.90	0.53	0.00	1.18	5.55	1.65	1.65	3.90	5.30	0.00
March	8.81	10.31	3.44	0.00	3.90	10.76	2.44	2.44	8.32	5.30	3.02
April	0.90	1.05	0.00	0.00	5.30	6.35	2.95	2.95	3.40	5.30	0.00
May	0.67	0.78	0.00	0.00	3.40	4.19	3.91	3.91	0.28	5.30	0.00
June	0.32	0.37	0.00	0.00	0.28	0.65	4.25	4.25	0.00	5.30	0.00
July	0.27	0.32	0.00	0.00	0.00	0.32	4.27	4.27	0.00	5.30	0.00
August	0.92	1.08	0.00	0.00	0.00	1.08	4.15	4.15	0.00	5.30	0.00
September	0.25	0.29	0.00	0.00	0.00	0.29	3.54	3.54	0.00	5.30	0.00
	20.76	24.29	4.03	16.6%						Total yield	3.024

Percolation for Uncultivated Upland El Granada

1991-1992

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.63	3.08	0.06	0.00	0.00	3.01	2.81	2.81	0.20	5.30	0.00
November	1.01	1.18	0.00	0.00	0.20	1.38	1.30	1.30	0.08	5.30	0.00
December	3.60	4.21	0.31	0.00	0.08	3.98	0.98	0.98	3.00	5.30	0.00
January	3.18	3.72	0.18	0.00	3.00	6.54	1.46	1.46	5.08	5.30	0.00
February	8.70	10.18	3.35	0.00	5.08	11.91	1.65	1.65	10.26	5.30	4.96
March	3.45	4.04	0.26	0.00	5.30	9.07	2.44	2.44	6.63	5.30	1.33
April	0.40	0.47	0.00	0.00	5.30	5.77	2.95	2.95	2.82	5.30	0.00
May	0.06	0.07	0.00	0.00	2.82	2.89	3.91	3.91	0.00	5.30	0.00
June	0.84	0.98	0.00	0.00	0.00	0.98	4.25	4.25	0.00	5.30	0.00
July	0.02	0.02	0.00	0.00	0.00	0.02	4.27	4.27	0.00	5.30	0.00
August	0.18	0.21	0.00	0.00	0.00	0.21	4.15	4.15	0.00	5.30	0.00
September	0.12	0.14	0.00	0.00	0.00	0.14	3.54	3.54	0.00	5.30	0.00
	24.19	28.30	4.18	14.8%						Total yield	6.289

1992-1993

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.88	3.37	0.11	0.00	0.00	3.26	2.81	2.81	0.45	5.30	0.00
November	0.67	0.78	0.00	0.00	0.45	1.23	1.30	1.30	0.00	5.30	0.00
December	8.10	9.48	2.90	0.00	0.00	6.58	0.98	0.98	5.60	5.30	0.30
January	9.21	10.78	3.76	0.00	5.30	12.32	1.46	1.46	10.86	5.30	5.56
February	5.59	6.54	1.23	0.00	5.30	10.61	1.65	1.65	8.96	5.30	3.66
March	2.79	3.26	0.09	0.00	5.30	8.47	2.44	2.44	6.03	5.30	0.73
April	1.68	1.97	0.00	0.00	5.30	7.27	2.95	2.95	4.32	5.30	0.00
May	1.98	1.61	0.00	0.00	4.32	5.93	3.91	3.91	2.02	5.30	0.00
June	0.48	0.56	0.00	0.00	2.02	2.58	4.25	4.25	0.00	5.30	0.00
July	0.06	0.07	0.00	0.00	0.00	0.07	4.27	4.27	0.00	5.30	0.00
August	0.17	0.20	0.00	0.00	0.00	0.20	4.15	4.15	0.00	5.30	0.00
September	0.21	0.25	0.00	0.00	0.00	0.25	3.54	3.54	0.00	5.30	0.00
	33.22	38.87	8.09	20.8%						Total yield	10.251

1993-1994

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.62	0.73	0.00	0.00	0.00	0.73	2.81	2.81	0.00	5.30	0.00
November	1.55	1.81	0.00	0.00	0.00	1.81	1.30	1.30	0.51	5.30	0.00
December	2.77	3.24	0.09	0.00	0.51	3.66	0.98	0.98	2.68	5.30	0.00
January	2.63	3.08	0.06	0.00	2.68	5.70	1.46	1.46	4.24	5.30	0.00
February	5.81	6.56	1.24	0.00	4.24	9.56	1.65	1.65	7.91	5.30	2.61
March	0.77	0.90	0.00	0.00	5.30	6.20	2.44	2.44	3.76	5.30	0.00
April	1.85	2.16	0.00	0.00	3.76	5.93	2.95	2.95	2.98	5.30	0.00
May	1.64	1.92	0.00	0.00	2.98	4.89	3.91	3.91	0.98	5.30	0.00
June	0.11	0.13	0.00	0.00	0.98	1.11	4.25	4.25	0.00	5.30	0.00
July	0.13	0.15	0.00	0.00	0.00	0.15	4.27	4.27	0.00	5.30	0.00
August	0.17	0.20	0.00	0.00	0.00	0.20	4.15	4.15	0.00	5.30	0.00
September	0.09	0.11	0.00	0.00	0.00	0.11	3.54	3.54	0.00	5.30	0.00
	17.94	20.99	1.39	6.6%						Total yield	2.611

1994-1995

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.08	0.09	0.00	0.00	0.00	0.09	2.81	2.81	0.00	5.30	0.00
November	5.34	6.25	1.09	0.00	0.00	5.16	1.30	1.30	3.86	5.30	0.00
December	3.93	4.60	0.43	0.00	3.86	8.03	0.98	0.98	7.05	5.30	1.75
January	11.38	13.31	5.59	0.00	5.30	13.03	1.46	1.46	11.57	5.30	6.27
February	0.26	0.30	0.00	0.00	5.30	5.60	1.65	1.65	3.95	5.30	0.00
March	8.71	10.19	3.36	0.00	3.95	10.78	2.44	2.44	8.34	5.30	3.04
April	2.35	2.75	0.03	0.00	5.30	8.02	2.95	2.95	5.07	5.30	0.00
May	1.54	1.80	0.00	0.00	5.07	6.88	3.91	3.91	2.97	5.30	0.00
June	0.78	0.91	0.00	0.00	2.97	3.88	4.25	4.25	0.00	5.30	0.00
July	0.05	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
August	0.05	0.06	0.00	0.00	0.00	0.06	4.15	4.15	0.00	5.30	0.00
September	0.15	0.18	0.00	0.00	0.00	0.18	3.54	3.54	0.00	5.30	0.00
	34.62	40.51	10.49	25.9%						Total yield	11.059

1995-1996

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.07	0.08	0.00	0.00	0.00	0.08	2.81	2.81	0.00	5.30	0.00
November	0.30	0.35	0.00	0.00	0.00	0.35	1.30	1.30	0.00	5.30	0.00
December	8.25	9.65	3.01	0.00	0.00	6.64	0.98	0.98	5.66	5.30	0.36
January	8.27	9.68	3.02	0.00	5.30	11.95	1.46	1.46	10.49	5.30	5.19
February	7.05	8.25	2.15	0.00	5.30	11.40	1.65	1.65	9.75	5.30	4.45
March	3.34	3.91	0.23	0.00	5.30	8.98	2.44	2.44	6.54	5.30	1.24
April	1.98	2.32	0.00	0.00	5.30	7.62	2.95	2.95	4.67	5.30	0.00
May	2.16	2.53	0.01	0.00	4.67	7.18	3.91	3.91	3.27	5.30	0.00
June	0.13	0.15	0.00	0.00	3.27	3.43	4.25	4.25	0.00	5.30	0.00
July	0.06	0.07	0.00	0.00	0.00	0.07	4.27	4.27	0.00	5.30	0.00
August	0.07	0.08	0.00	0.00	0.00	0.08	4.15	4.15	0.00	5.30	0.00
September	0.20	0.23	0.00	0.00	0.00	0.23	3.54	3.54	0.00	5.30	0.00
	31.88	37.30	8.42	22.6%						Total yield	11.244

Percolation for Uncultivated Upland El Granada

1996-1997

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.47	1.72	0.00	0.00	0.00	1.72	2.81	2.81	0.00	5.30	0.00
November	2.71	3.17	0.08	0.00	0.00	3.09	1.30	1.30	1.79	5.30	0.00
December	8.83	10.33	3.46	0.00	1.79	8.67	0.98	0.98	7.69	5.30	2.39
January	9.86	11.54	4.29	0.00	5.30	12.55	1.46	1.46	11.09	5.30	5.79
February	0.29	0.34	0.00	0.00	5.30	5.64	1.65	1.65	3.99	5.30	0.00
March	0.59	0.69	0.00	0.00	3.99	4.68	2.44	2.44	2.24	5.30	0.00
April	0.96	1.12	0.00	0.00	2.24	3.36	2.95	2.95	0.41	5.30	0.00
May	0.44	0.51	0.00	0.00	0.41	0.93	3.91	3.91	0.00	5.30	0.00
June	0.57	0.67	0.00	0.00	0.00	0.67	4.25	4.25	0.00	5.30	0.00
July	0.13	0.15	0.00	0.00	0.00	0.15	4.27	4.27	0.00	5.30	0.00
August	0.77	0.90	0.00	0.00	0.00	0.90	4.15	4.15	0.00	5.30	0.00
September	0.08	0.09	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00
	26.70	31.24	7.82							Total yield	8.177

1997-1998

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.77	0.90	0.00	0.00	0.00	0.90	2.81	2.81	0.00	5.30	0.00
November	7.84	9.17	2.71	0.00	0.00	6.47	1.30	1.30	5.17	5.30	0.00
December	3.65	4.27	0.33	0.00	5.17	9.11	0.98	0.98	8.13	5.30	2.83
January	12.13	14.19	6.25	0.00	5.30	13.24	1.46	1.46	11.78	5.30	6.48
February	15.70	18.37	9.62	0.00	5.30	14.05	1.65	1.65	12.40	5.30	7.10
March	2.58	3.02	0.06	0.00	5.30	8.26	2.44	2.44	5.82	5.30	0.52
April	2.73	3.19	0.08	0.00	5.30	8.41	2.95	2.95	5.46	5.30	0.16
May	4.01	4.69	0.46	0.00	5.30	9.53	3.91	3.91	5.62	5.30	0.32
June	0.30	0.35	0.00	0.00	5.30	5.65	4.25	4.25	1.40	5.30	0.00
July	0.18	0.21	0.00	0.00	1.40	1.61	4.27	4.27	0.00	5.30	0.00
August	0.06	0.07	0.00	0.00	0.00	0.07	4.15	4.15	0.00	5.30	0.00
September	0.25	0.29	0.00	0.00	0.00	0.29	3.54	3.54	0.00	5.30	0.00
	50.20	58.73	19.51							Total yield	17.409

1998-1999

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.97	1.13	0.00	0.00	0.00	1.13	2.81	2.81	0.00	5.30	0.00
November	3.75	4.39	0.36	0.00	0.00	4.02	1.30	1.30	2.72	5.30	0.00
December	2.09	2.45	0.01	0.00	2.72	5.16	0.98	0.98	4.18	5.30	0.00
January	6.4	7.49	1.72	0.00	4.18	9.96	1.46	1.46	8.50	5.30	3.20
February	14	16.38	7.99	0.00	5.30	13.69	1.65	1.65	12.04	5.30	6.74
March	4.7	5.50	0.76	0.00	5.30	10.04	2.44	2.44	7.60	5.30	2.30
April	2.73	3.19	0.08	0.00	5.30	8.41	2.95	2.95	5.46	5.30	0.16
May	0.12	0.14	0.00	0.00	5.30	5.44	3.91	3.91	1.53	5.30	0.00
June	0.46	0.54	0.00	0.00	1.53	2.07	4.25	4.25	0.00	5.30	0.00
July	0.05	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
August	0.34	0.40	0.00	0.00	0.00	0.40	4.15	4.15	0.00	5.30	0.00
September	0.21	0.25	0.00	0.00	0.00	0.25	3.54	3.54	0.00	5.30	0.00
	35.82	41.91	10.91							Total yield	12.400

1999-2000

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.82	0.96	0.00	0.00	0.00	0.96	2.81	2.81	0.00	5.30	0.00
November	2.94	3.44	0.13	0.00	0.00	3.31	1.30	1.30	2.01	5.30	0.00
December	0.93	1.09	0.00	0.00	2.01	3.10	0.98	0.98	2.12	5.30	0.00
January	7.53	8.81	2.48	0.00	2.12	8.45	1.46	1.46	6.99	5.30	1.69
February	11.27	13.19	5.49	0.00	5.30	13.00	1.65	1.65	11.35	5.30	6.05
March	2.45	2.87	0.04	0.00	5.30	8.13	2.44	2.44	5.69	5.30	0.39
April	3.1	3.63	0.16	0.00	5.30	8.76	2.95	2.95	5.81	5.30	0.51
May	1.72	2.01	0.00	0.00	5.30	7.31	3.91	3.91	3.40	5.30	0.00
June	0.18	0.21	0.00	0.00	3.40	3.61	4.25	4.25	0.00	5.30	0.00
July	0.26	0.30	0.00	0.00	0.00	0.30	4.27	4.27	0.00	5.30	0.00
August	0.19	0.22	0.00	0.00	0.00	0.22	4.15	4.15	0.00	5.30	0.00
September	0.41	0.48	0.00	0.00	0.00	0.48	3.54	3.54	0.00	5.30	0.00
	31.80	37.21	8.30							Total yield	8.639

2000-2001

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.74	4.38	0.36	0.00	0.00	4.02	2.81	2.81	1.21	5.30	0.00
November	1.3	1.52	0.00	0.00	1.21	2.73	1.30	1.30	1.43	5.30	0.00
December	0.69	0.81	0.00	0.00	1.43	2.23	0.98	0.98	1.25	5.30	0.00
January	5.75	6.73	1.32	0.00	1.25	6.66	1.46	1.46	5.20	5.30	0.00
February	6.44	7.53	1.74	0.00	5.20	10.99	1.65	1.65	9.34	5.30	4.04
March	1.67	1.95	0.00	0.00	5.30	7.25	2.44	2.44	4.81	5.30	0.00
April	2.19	2.56	0.01	0.00	4.81	7.36	2.95	2.95	4.41	5.30	0.00
May	0.02	0.02	0.00	0.00	4.41	4.44	3.91	3.91	0.53	5.30	0.00
June	0.12	0.14	0.00	0.00	0.53	0.67	4.25	4.25	0.00	5.30	0.00
July	0.28	0.33	0.00	0.00	0.00	0.33	4.27	4.27	0.00	5.30	0.00
August	0.39	0.46	0.00	0.00	0.00	0.46	4.15	4.15	0.00	5.30	0.00
September	0.26	0.30	0.00	0.00	0.00	0.30	3.54	3.54	0.00	5.30	0.00
	22.85	26.73	3.43							Total yield	4.045

Percolation for Uncultivated Upland El Granada

2001-2002

Adjusted San Gregorio data

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.47	0.55	0.00	0.00	0.00	0.55	2.81	2.81	0.00	5.30	0.00
November	6.69	7.83	1.90	0.00	0.00	5.92	1.30	1.30	4.62	5.30	0.00
December	9.26	10.83	3.80	0.00	4.62	11.66	0.98	0.98	10.68	5.30	5.38
January	2.55	2.98	0.05	0.00	5.30	8.23	1.46	1.46	6.77	5.30	1.47
February	2.13	2.49	0.01	0.00	5.30	7.78	1.65	1.65	6.13	5.30	0.83
March	2.54	2.97	0.05	0.00	5.30	8.22	2.44	2.44	5.78	5.30	0.48
April	0.68	0.80	0.00	0.00	5.30	6.10	2.95	2.95	3.15	5.30	0.00
May	0.88	1.03	0.00	0.00	3.15	4.18	3.91	3.91	0.27	5.30	0.00
June	0.23	0.27	0.00	0.00	0.27	0.53	4.25	4.25	0.00	5.30	0.00
July	0.18	0.21	0.00	0.00	0.00	0.21	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.17	0.20	0.00	0.00	0.00	0.20	3.54	3.54	0.00	5.30	0.00

25.78

30.16

5.81

19.3%

Total yield

8.167

2002-2003

Estimate for missing data in red based on San Gregorio data for same period

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.17	0.20	0.00	0.00	0.00	0.20	2.81	2.81	0.00	5.30	0.00
November	2.7	3.16	0.08	0.00	0.00	3.08	1.30	1.30	1.78	5.30	0.00
December	9	10.53	3.59	0.00	1.78	8.72	0.98	0.98	7.74	5.30	2.44
January	1.34	1.57	0.00	0.00	5.30	6.87	1.46	1.46	5.41	5.30	0.11
February	3.46	4.05	0.27	0.00	5.30	9.08	1.65	1.65	7.43	5.30	2.13
March	1.82	2.13	0.00	0.00	5.30	7.43	2.44	2.44	4.99	5.30	0.00
April	5.51	6.45	1.18	0.00	4.99	10.25	2.95	2.95	7.30	5.30	2.00
May	0.88	1.03	0.00	0.00	5.30	6.33	3.91	3.91	2.42	5.30	0.00
June	0.18	0.21	0.00	0.00	2.42	2.63	4.25	4.25	0.00	5.30	0.00
July	0.01	0.01	0.00	0.00	0.00	0.01	4.27	4.27	0.00	5.30	0.00
August	0.04	0.05	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
September	0.10	0.12	0.00	0.00	0.00	0.12	3.54	3.54	0.00	5.30	0.00

25.21

29.50

5.12

17.3%

Total yield

6.686

2003-2004

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.22	0.26	0.00	0.00	0.00	0.26	2.81	2.81	0.00	5.30	0.00
November	2.27	2.66	0.02	0.00	0.00	2.64	1.30	1.30	1.34	5.30	0.00
December	8.81	10.31	3.44	0.00	1.34	8.21	0.98	0.98	7.23	5.30	1.93
January	3.33	3.90	0.23	0.00	5.30	8.97	1.46	1.46	7.51	5.30	2.21
February	6.37	7.45	1.70	0.00	5.30	11.06	1.65	1.65	9.41	5.30	4.11
March	1.39	1.63	0.00	0.00	5.30	6.93	2.44	2.44	4.49	5.30	0.00
April	0.31	0.36	0.00	0.00	4.49	4.85	2.95	2.95	1.90	5.30	0.00
May	0.15	0.18	0.00	0.00	1.90	2.07	3.91	3.91	0.00	5.30	0.00
June	0.05	0.06	0.00	0.00	0.00	0.06	4.25	4.25	0.00	5.30	0.00
July	0.34	0.40	0.00	0.00	0.00	0.40	4.27	4.27	0.00	5.30	0.00
August	0.33	0.39	0.00	0.00	0.00	0.39	4.15	4.15	0.00	5.30	0.00
September	0.29	0.34	0.00	0.00	0.00	0.34	3.54	3.54	0.00	5.30	0.00

23.86

27.92

5.38

19.3%

Total yield

8.240

2004-2005

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	4.6	5.38	0.71	0.00	0.00	4.67	2.81	2.81	1.86	5.30	0.00
November	1.38	1.61	0.00	0.00	1.86	3.47	1.30	1.30	2.17	5.30	0.00
December	8.66	10.13	3.32	0.00	2.17	8.98	0.98	0.98	8.00	5.30	2.70
January	6.11	7.15	1.54	0.00	5.30	10.91	1.46	1.46	9.45	5.30	4.15
February	5.28	6.18	1.06	0.00	5.30	10.42	1.65	1.65	8.77	5.30	3.47
March	5.52	6.46	1.19	0.00	5.30	10.57	2.44	2.44	8.13	5.30	2.83
April	1.69	1.98	0.00	0.00	5.30	7.28	2.95	2.95	4.33	5.30	0.00
May	2.32	2.71	0.02	0.00	4.33	7.02	3.91	3.91	3.11	5.30	0.00
June	1.31	1.53	0.00	0.00	3.11	4.64	4.25	4.25	0.39	5.30	0.00
July		0.00	0.00	0.00	0.39	0.39	4.27	4.27	0.00	5.30	0.00
August		0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September		0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00

36.87

43.14

7.84

18.2%

Total yield

13.156

Miramar/ Arroyo de en Medio Water
Balance and Backup Data

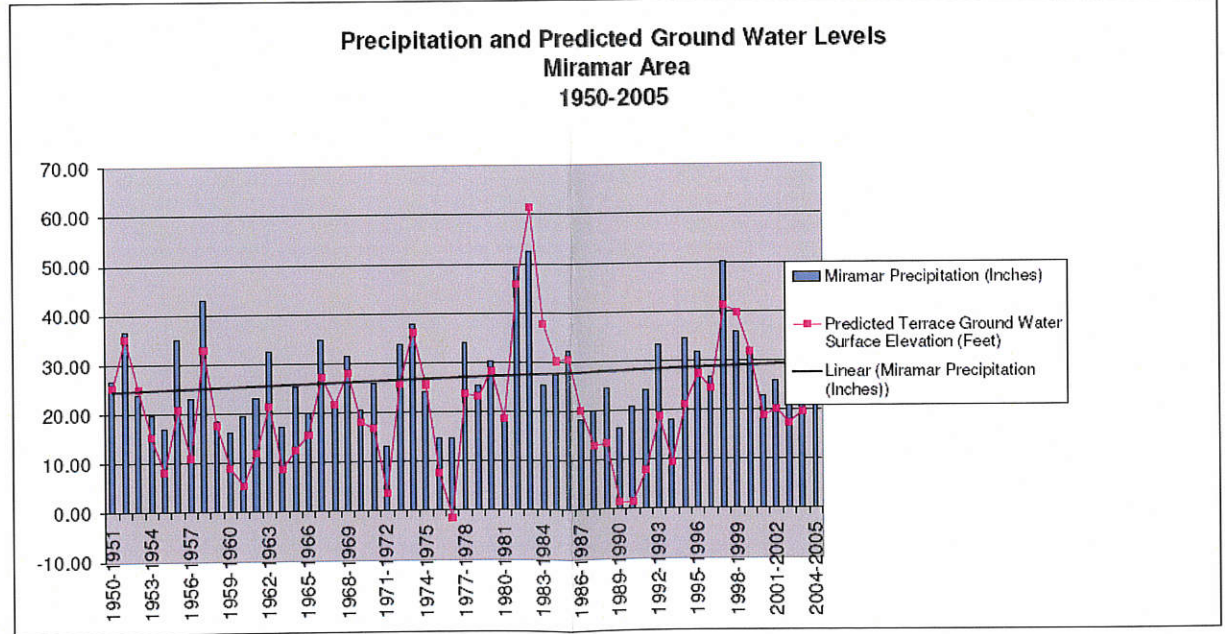
Miramar (Arroyo de en Medio) Subbasin Water Balance

Inputs	
Terrace Area (acres)	264
Upland area (acres)	739
Transmissivity (gpd/ft)	3975
Width of terrace area (ft)	3684
Length (gradient)	1390
Porosity (Sy)	0.09
Number of wells Upland	6
Number of wells terrace	80
Pumping rate Upland (gal/day)	250
Pumping rate Terrace (gal/day)	250
RO channel seepage (fraction of RO)	0
Irrigation pumpage upland (AF)*	0
Irrigation pumpage terrace (AF)*	145
Water District pumpage (upland) (AF)	0
Water District pumpage (terrace) (AF)	0

Intermediate calcs			
Pumpage Cu (AF/yr)	1.68		
Pumpage Ct (AF/yr)	22.40		
Total upland pumpage	1.68		
Total terrace pumpage	167.40		
	S	RO%	
S - Terrace	1.7	64%	
S - Upland	11	19%	

Calculated values	
Total Head (avg)	21.12
Total Head (min)	-1.56
Total Head (max)	61.52
Ocean outflow (avg)	330.6
Ocean outflow (min)	22.2
Ocean outflow (max)	643.9
Storage volume (average)	501.9
Storage volume (min)	-37.0
Storage volume (max)	1461.7
Average gradient to ocean (for outfall calc)	0.020
Average gradient to ocean (at end of period)	0.015
Avg prelim head gradient to ocean	0.025
Number of years	55

Water Year	Input from Upland and Terrace sheets				Upland percolation (incl RO seepage) AF/yr	Upland perc. less pumpage AF/yr	Terrace percolation incl RO seepage AF/yr	Terrace perc. less pumpage AF/yr	Change in Storage AF/yr	Prelim Total Storage AF	Prelim Change in Head (high) ft	Prelim Total Head (high) ft	Avg head	Ocean Outflow AF	Final Total Storage AF	Revised Change in Head ft	Final Total Head ft
	Perc1 (in/yr)	RO1 (in/yr)	Perc2 (in/yr)	RO2 (in/yr)													
Initial settings																	
1950-1951	9.38	3.93	0.00	16.57	577.42	575.74	0.00	-167.40	408.33	988.33	17.2	41.6	33.00	389.50	588.83	0.8	25.2
1951-1952	14.33	11.68	0.00	26.70	882.69	881.01	0.00	-167.40	713.60	1312.44	30.0	55.2	40.22	474.67	837.77	10.1	35.3
1952-1953	6.44	6.63	0.00	16.32	396.34	394.66	0.00	-167.40	227.25	1065.02	9.6	44.8	40.04	472.56	592.46	-10.3	24.9
1953-1954	4.15	1.79	0.00	10.52	255.75	254.07	0.00	-167.40	96.66	679.12	3.6	28.6	26.76	315.80	368.32	-9.6	15.3
1954-1955	2.93	1.73	0.00	9.30	180.17	178.49	0.00	-167.40	11.09	374.41	0.5	15.8	15.52	183.22	191.19	-7.2	8.0
1955-1956	11.37	13.72	0.00	26.09	700.23	698.55	0.00	-167.40	531.14	722.34	22.4	30.4	19.22	226.88	495.46	12.8	20.9
1956-1957	2.96	2.88	0.00	13.71	182.44	180.76	0.00	-167.40	13.35	508.81	0.6	21.4	21.13	249.41	259.40	-9.9	10.9
1957-1958	16.80	12.76	0.00	31.42	1034.52	1032.84	0.00	-167.40	865.44	1124.83	36.4	47.3	29.13	343.78	781.06	22.0	32.9
1958-1959	3.23	2.59	0.00	10.92	198.64	196.96	0.00	-167.40	29.56	810.62	1.2	34.1	39.49	395.30	415.32	-15.4	17.5
1959-1960	2.83	1.85	0.00	9.10	174.08	172.40	0.00	-167.40	5.00	420.32	0.2	17.7	17.58	207.53	212.79	-5.5	9.0
1960-1961	3.15	1.35	0.00	9.74	194.13	192.45	0.00	-167.40	25.04	237.83	1.1	10.0	9.48	111.91	125.92	-3.7	5.3
1961-1962	7.56	4.20	0.00	14.50	465.30	463.62	0.00	-167.40	296.22	422.14	12.5	17.8	11.59	136.11	286.03	6.7	12.0
1962-1963	10.64	7.81	0.00	22.67	654.95	653.27	0.00	-167.40	455.87	771.89	20.4	32.5	22.26	262.74	509.16	9.4	21.4
1963-1964	1.68	1.66	0.00	9.22	103.68	102.00	0.00	-167.40	-65.40	443.75	-2.8	18.7	20.05	236.66	207.10	-12.7	8.7
1964-1965	6.95	4.37	0.00	16.29	427.90	426.22	0.00	-167.40	258.81	465.91	10.9	19.6	14.16	167.14	298.77	3.9	12.6
1965-1966	7.50	2.83	0.00	12.29	462.14	460.46	0.00	-167.40	293.06	591.82	12.3	24.9	18.74	221.18	370.64	3.0	15.6
1966-1967	12.71	10.27	0.00	25.98	782.59	780.91	0.00	-167.40	613.50	984.15	25.8	41.4	28.51	336.46	647.68	11.7	27.3
1967-1968	6.83	3.18	0.00	13.07	420.59	418.91	0.00	-167.40	251.51	899.19	10.6	37.8	32.55	384.17	515.02	-5.6	21.7
1968-1969	11.59	7.93	0.00	22.02	712.96	711.28	0.00	-167.40	543.88	1058.90	22.9	44.6	33.12	390.89	668.01	6.4	28.1
1969-1970	4.74	3.98	0.00	12.85	292.03	290.35	0.00	-167.40	122.94	790.95	5.2	33.3	30.70	362.34	428.62	-10.1	18.0
1970-1971	6.69	6.10	0.00	16.54	410.08	408.40	0.00	-167.40	241.00	699.61	10.1	28.2	29.11	272.75	396.86	-1.9	16.7
1971-1972	0.17	1.01	0.00	6.00	10.66	8.98	0.00	-167.40	-158.43	238.43	-6.7	10.0	13.37	157.78	80.66	-13.3	3.4
1972-1973	15.11	9.94	0.00	25.38	930.38	928.70	0.00	-167.40	761.30	841.95	32.0	35.4	19.42	229.13	612.82	22.4	25.8
1973-1974	14.67	9.28	0.00	26.77	903.59	901.91	0.00	-167.40	734.50	1347.32	30.9	56.7	41.25	486.81	860.52	10.4	36.2
1974-1975	6.53	3.58	0.00	14.45	401.94	400.26	0.00	-167.40	232.86	1093.37	9.8	46.0	41.12	485.25	608.12	-10.6	25.6
1975-1976	0.00	0.74	0.00	6.31	0.00	-1.68	0.00	-167.40	-169.08	439.03	-7.1	18.5	22.04	260.06	178.97	-18.1	7.5
1976-1977	0.00	0.24	0.00	6.01	0.00	-1.68	0.00	-167.40	-169.08	9.89	-7.1	0.4	3.97	46.90	-37.02	-9.1	-1.6
1977-1978	15.29	8.37	0.00	24.98	941.47	939.79	0.00	-167.40	772.38	735.36	32.5	30.9	14.70	173.44	561.93	25.2	23.7
1978-1979	8.48	5.62	0.00	16.89	522.18	520.50	0.00	-167.40	353.09	915.02	14.9	38.5	31.08	366.80	548.22	-0.6	23.1
1979-1980	11.34	5.66	0.00	20.23	698.28	696.60	0.00	-167.40	529.19	1077.41	22.3	45.3	34.21	403.73	673.63	5.9	28.4
1980-1981	4.94	3.35	0.00	11.72	303.98	302.30	0.00	-167.40	134.90	808.58	5.7	34.0	31.19	368.12	440.46	-9.8	18.5
1981-1982	21.55	15.15	0.00	37.48	1327.36	1325.67	0.00	-167.40	1158.27	1598.73	48.7	67.3	42.91	506.44	1092.29	27.4	46.0
1982-1983	22.45	18.56	0.00	40.82	1382.42	1380.74	0.00	-167.40	1213.34	2305.63	51.1	97.0	71.51	843.88	1461.75	15.5	61.5
1983-1984	5.15	6.37	0.00	15.97	379.03	377.35	0.00	-167.40	209.95	1671.69	8.8	70.4	65.94	778.20	893.50	-23.9	37.6
1984-1985	8.53	6.04	0.00	18.10	525.58	523.90	0.00	-167.40	356.50	1249.99	15.0	52.6	45.11	532.34	717.65	-7.4	30.2
1985-1986	10.64	9.12	0.00	22.65	655.05	653.37	0.00	-167.40	485.96	1203.61	20.5	50.7	40.43	477.15	726.46	0.4	30.6
1986-1987	5.21	2.11	0.00	10.84	321.01	319.33	0.00	-167.40	151.92	878.39	6.4	37.0	33.77	398.57	479.82	-10.4	20.2
1987-1988	4.20	2.43	0.00	11.77	258.78	257.10	0.00	-167.40	89.70	599.52	3.8	24.0	22.08	260.60	308.91	-7.2	13.0
1988-1989	6.28	4.16	0.00	14.65	386.84	385.16	0.00	-167.40	217.76	526.67	9.2	22.2	17.58	207.52	319.15	0.4	13.4
1989-1990	0.00	0.75	0.00	7.82	0.00	-1.68	0.00	-167.40	-169.08	150.07	-7.1	6.3	9.87	116.53	33.54	-12.0	1.4
1990-1991	3.11	4.11	0.00	11.92	191.38	189.70	0.00	-167.40	22.30	55.83	0.9	2.9	1.88	22.19	33.64	0.0	1.4
1991-1992	6.43	4.27	0.00	15.08	395.74	394.06	0.00	-167.40	226.65	260.29	9.5	11.0	6.19	73.00	187.29	6.5	7.9
1992-1993	10.36	8.24	0.00	22.63	638.06	636.38	0.00	-167.40	468.98	658.27	19.7	27.6	17.75	209.50	446.77	10.9	18.8
1993-1994	2.70	1.43	0.00	9.02	166.31	164.63	0.00	-167.40	-2.77	444.00	-0.1	18.7	18.75	221.22	222.77	-9.4	11.8
1994-1995	11.17	10.68	0.00	25.26	698.09	696.41	0.00	-167.40	519.01	741.78	21.8	31.2	20.30	239.55	502.23	11.8	21.1
1995-1996	11.36	8.58	0.00	22.88	699.39	697.71	0.00	-167.40	500.31	1032.54	22.3	43.5	32.30	381.16	651.37	6.3	27.4
1996-1997	8.26	7.95	0.00	17.94	508.54	506.86	0.00	-167.40	339.45	990.83	14.3	41.7	34.55	407.84	532.95	-2.9	24.5
1997-1998	17.59	19.82	0.00	39.03	1083.17	1081.49	0.00	-167.40	914.09	1497.07	38.5	63.0	43.77	516.59	980.45	16.7	41.3
1998-1999	12.55	11.10	0.00	25.67	772.99	771.31	0.00	-167.40	603.91	1584.39	25.4	66.7	59.97	636.99	947.40	-1.4	39.9
1999-2000	8.78	8.44	0.00	21.39	540.42	538.74	0.00	-167.40	371.33	1318.73	15.6	55.5	47.69	562.80	755.93	-3.1	31.8
2000-2001	4.15	3.51	0.00	13.65	255.46	253.78	0.00	-167.40	86.38	842.31	3.6	35.5	33.63	396.93	445.39	-13.1	18.7
2001-2002	8.29	5.92	0.00	16.73	510.50	508.82	0.00	-167.40	341.42	786.80	14.4	33.1	25.93	306.02	490.78	1.5	20.2
2002-2003	6.82	5.22	0.00	16.33	420.17	418.49	0.00	-167.40	251.09	696.47	10.6	29.3	24.03	283.58	412.89	-1.4	17.4
2003-2004	8.34	5.49	0.00	15.67	513.83	512.15	0.00	-167.40	344.75	757.64	14.5	31.9	24.69	290.70	466.93	2.3	19.7
2004-2005	13.31	8.00	0.00	25.35	819.80	818.12	0.00	-167.40	650.71	1117.64	27.4	47.0	33.35	393.53	724.11	10.8	30.5
55yr avg	8.17	6.16	0.00	17.89	502.93	501.25	0.00	-167.40	333.84	832.47	14.05	35.04	28.01	330.58	501.89	0.14	21.12



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Percolation for Miramar Uplands Subarea

Percolation Estimates for Uncultivated Upland Miramar
1950 - 2005

Averages			
Years used in aver	55		
Precipitation (Po)	27.047		
Adj. Precipitation	31.915		
Runoff	6.165	19%	
Irrigation		0%	
Evapotranspiration	33.710	106%	
Percolation	8.167	26%	

Crop Coeff.	
October	1
November	1
December	1
January	1
February	1
March	1
April	1
May	1
June	1
July	1
August	1
September	1

Soil Water	
Holding Capaci (mean value)	5.3
Land Use	S
Contoured Row Crops	
Range	
Farmsteads	
Fallow Row	
S=	11
Adj. Precip. Fac	1.179984
Irrigation effic	1

Month	Monthly Input	SCS equation				(Initial =0)		input		calc		Available to Recharge	
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation			
October	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00			
November	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00			
December	0.00	0.00	0.00	0.00	0.00	0.98	0.98	0.00	5.30	0.00			
January	0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.00	5.30	0.00			
February	0.00	0.00	0.00	0.00	0.00	1.65	1.65	0.00	5.30	0.00			
March	0.00	0.00	0.00	0.00	0.00	2.44	2.44	0.00	5.30	0.00			
April	0.00	0.00	0.00	0.00	0.00	2.95	2.95	0.00	5.30	0.00			
May	0.00	0.00	0.00	0.00	0.00	3.91	3.91	0.00	5.30	0.00			
June	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00			
July	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00			
August	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00			
September	0.04	0.05	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00			
Totals	0.04	0.05	0.00	0.0%					Total Mean Yield	0.000			

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.55	0.65	0.00	0.00	0.00	0.65	2.81	2.81	0.00	5.30	0.00
November	0.66	0.78	0.00	0.00	0.00	0.78	1.30	1.30	0.00	5.30	0.00
December	4.99	5.89	0.93	0.00	0.00	4.96	0.98	0.98	3.98	5.30	0.00
January	1.73	2.04	0.00	0.00	3.98	6.02	1.46	1.46	4.56	5.30	0.00
February	3.91	4.61	0.43	0.00	4.56	8.74	1.65	1.65	7.09	5.30	1.79
March	4.96	5.85	0.91	0.00	5.30	10.24	2.44	2.44	7.80	5.30	2.50
April	0.00	0.00	0.00	0.00	5.30	5.30	2.95	2.95	2.35	5.30	0.00
May	0.41	0.48	0.00	0.00	2.35	2.83	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.17	0.20	0.00	0.00	0.00	0.20	4.15	4.15	0.00	5.30	0.00
September		0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Totals	17.38	20.51	2.27	11.1%					Total Mean Yield	4.295	

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November		0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December		0.00	0.00	0.00	0.00	0.00	0.98	0.98	0.00	5.30	0.00
January		0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.00	5.30	0.00
February	2.24	2.64	0.02	0.00	0.00	2.63	1.65	1.65	0.98	5.30	0.00
March	1.34	1.58	0.00	0.00	0.98	2.56	2.44	2.44	0.12	5.30	0.00
April	2.12	2.50	0.01	0.00	0.12	2.61	2.95	2.95	0.00	5.30	0.00
May	0.37	0.44	0.00	0.00	0.00	0.44	3.91	3.91	0.00	5.30	0.00
June	0.14	0.17	0.00	0.00	0.00	0.17	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.08	0.09	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00
Totals	6.29	7.42	0.03	0.3%					Total Mean Yield	0.000	

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.95	2.30	0.00	0.00	0.00	2.30	2.81	2.81	0.00	5.30	0.00
November	5.46	6.44	1.18	0.00	0.00	5.26	1.30	1.30	3.96	5.30	0.00
December	6.01	7.09	1.51	0.00	3.96	9.55	0.98	0.98	8.57	5.30	3.27
January	5.11	6.03	0.99	0.00	5.30	10.34	1.46	1.46	8.88	5.30	3.58
February	2.98	3.52	0.14	0.00	5.30	8.68	1.65	1.65	7.03	5.30	1.73
March	2.84	3.35	0.11	0.00	5.30	8.54	2.44	2.44	6.10	5.30	0.80
April	0.91	1.07	0.00	0.00	5.30	6.37	2.95	2.95	3.42	5.30	0.00
May	0.98	1.16	0.00	0.00	3.42	4.58	3.91	3.91	0.67	5.30	0.00
June	0.17	0.20	0.00	0.00	0.67	0.87	4.25	4.25	0.00	5.30	0.00
July	0.12	0.14	0.00	0.00	0.00	0.14	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.28	0.33	0.00	0.00	0.00	0.33	3.54	3.54	0.00	5.30	0.00
Totals	26.81	31.64	3.93	12.4%					Total Mean Yield	9.376	

Percolation for Miramar Uplands Subarea

1951-1952

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.16	1.37	0.00	0.00	0.00	1.37	2.81	2.81	0.00	5.30	0.00
November	4.15	4.90	0.53	0.00	0.00	4.37	1.30	1.30	3.07	5.30	0.00
December	11.30	13.33	5.60	0.00	3.07	10.80	0.98	0.98	9.82	5.30	4.52
January	9.31	10.99	3.90	0.00	5.30	12.38	1.46	1.46	10.92	5.30	5.62
February	2.20	2.60	0.01	0.00	5.30	7.88	1.65	1.65	6.23	5.30	0.93
March	6.21	7.33	1.63	0.00	5.30	11.00	2.44	2.44	8.56	5.30	3.26
April	0.62	0.73	0.00	0.00	5.30	6.03	2.95	2.95	3.08	5.30	0.00
May	0.45	0.53	0.00	0.00	3.08	3.61	3.91	3.91	0.00	5.30	0.00
June	1.14	1.35	0.00	0.00	0.00	1.35	4.25	4.25	0.00	5.30	0.00
July	0.03	0.04	0.00	0.00	0.00	0.04	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.15	0.18	0.00	0.00	0.00	0.18	3.54	3.54	0.00	5.30	0.00
	36.72	43.33	11.68	26.9%						Total Mean Yield	14.333

1952-1953

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.27	0.32	0.00	0.00	0.00	0.32	2.81	2.81	0.00	5.30	0.00
November	2.66	3.14	0.07	0.00	0.00	3.06	1.30	1.30	1.76	5.30	0.00
December	11.36	13.40	5.65	0.00	1.76	9.52	0.98	0.98	8.54	5.30	3.24
January	4.55	5.37	0.71	0.00	5.30	9.96	1.46	1.46	8.50	5.30	3.20
February	0.00	0.00	0.00	0.00	5.30	5.30	1.65	1.65	3.65	5.30	0.00
March	0.00	0.00	0.00	0.00	3.65	3.65	2.44	2.44	1.21	5.30	0.00
April	3.17	3.74	0.19	0.00	1.21	4.76	2.95	2.95	1.81	5.30	0.00
May	0.60	0.71	0.00	0.00	1.81	2.52	3.91	3.91	0.00	5.30	0.00
June	0.56	0.66	0.00	0.00	0.00	0.66	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.53	0.63	0.00	0.00	0.00	0.63	4.15	4.15	0.00	5.30	0.00
September	0.12	0.14	0.00	0.00	0.00	0.14	3.54	3.54	0.00	5.30	0.00
	23.82	28.11	6.63	23.6%						Total Mean Yield	6.436

1953-1954

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.67	0.79	0.00	0.00	0.00	0.79	2.81	2.81	0.00	5.30	0.00
November	3.33	3.93	0.23	0.00	0.00	3.69	1.30	1.30	2.39	5.30	0.00
December	1.04	1.23	0.00	0.00	2.39	3.62	0.98	0.98	2.64	5.30	0.00
January	4.18	4.93	0.54	0.00	2.64	7.03	1.46	1.46	5.57	5.30	0.27
February	2.58	3.04	0.06	0.00	5.30	8.28	1.65	1.65	6.63	5.30	1.33
March	5.03	5.94	0.95	0.00	5.30	10.29	2.44	2.44	7.85	5.30	2.55
April	1.49	1.76	0.00	0.00	5.30	7.06	2.95	2.95	4.11	5.30	0.00
May	0.06	0.07	0.00	0.00	4.11	4.18	3.91	3.91	0.27	5.30	0.00
June	0.64	0.76	0.00	0.00	0.27	1.02	4.25	4.25	0.00	5.30	0.00
July	0.10	0.12	0.00	0.00	0.00	0.12	4.27	4.27	0.00	5.30	0.00
August	0.55	0.65	0.00	0.00	0.00	0.65	4.15	4.15	0.00	5.30	0.00
September	0.08	0.09	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00
	19.75	23.30	1.79	7.7%						Total Mean Yield	4.153

1954-1955

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.23	0.27	0.00	0.00	0.00	0.27	2.81	2.81	0.00	5.30	0.00
November	1.96	2.31	0.00	0.00	0.00	2.31	1.30	1.30	1.01	5.30	0.00
December	4.53	5.35	0.70	0.00	1.01	5.66	0.98	0.98	4.68	5.30	0.00
January	5.06	5.97	0.96	0.00	4.68	9.69	1.46	1.46	8.23	5.30	2.93
February	1.37	1.62	0.00	0.00	5.30	6.92	1.65	1.65	5.27	5.30	0.00
March	0.28	0.33	0.00	0.00	5.27	5.60	2.44	2.44	3.16	5.30	0.00
April	2.60	3.07	0.06	0.00	3.16	6.16	2.95	2.95	3.21	5.30	0.00
May	0.36	0.42	0.00	0.00	3.21	3.64	3.91	3.91	0.00	5.30	0.00
June	0.07	0.08	0.00	0.00	0.00	0.08	4.25	4.25	0.00	5.30	0.00
July	0.17	0.20	0.00	0.00	0.00	0.20	4.27	4.27	0.00	5.30	0.00
August	0.12	0.14	0.00	0.00	0.00	0.14	4.15	4.15	0.00	5.30	0.00
September	0.28	0.33	0.00	0.00	0.00	0.33	3.54	3.54	0.00	5.30	0.00
	17.03	20.10	1.73	8.6%						Total Mean Yield	2.926

1955-1956

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.21	0.25	0.00	0.00	0.00	0.25	2.81	2.81	0.00	5.30	0.00
November	2.32	2.74	0.03	0.00	0.00	2.71	1.30	1.30	1.41	5.30	0.00
December	13.81	16.30	7.92	0.00	1.41	9.79	0.98	0.98	8.81	5.30	3.51
January	11.38	13.43	5.67	0.00	5.30	13.06	1.46	1.46	11.60	5.30	6.30
February	2.81	3.32	0.10	0.00	5.30	8.51	1.65	1.65	6.86	5.30	1.56
March	0.00	0.00	0.00	0.00	5.30	5.30	2.44	2.44	2.86	5.30	0.00
April	1.88	2.22	0.00	0.00	2.86	5.08	2.95	2.95	2.13	5.30	0.00
May	1.37	1.62	0.00	0.00	2.13	3.74	3.91	3.91	0.00	5.30	0.00
June	0.07	0.08	0.00	0.00	0.00	0.08	4.25	4.25	0.00	5.30	0.00
July	0.25	0.29	0.00	0.00	0.00	0.29	4.27	4.27	0.00	5.30	0.00
August	0.45	0.53	0.00	0.00	0.00	0.53	4.15	4.15	0.00	5.30	0.00
September	0.45	0.53	0.00	0.00	0.00	0.53	3.54	3.54	0.00	5.30	0.00
	35.00	41.30	13.72	33.2%						Total Mean Yield	11.370

Percolation for Miramar Uplands Subarea

1956-1957 Precipitation											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.75	2.06	0.00	0.00	0.00	2.06	2.81	2.81	0.00	5.30	0.00
November	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	0.57	0.00	0.00	0.00	0.00	0.67	0.98	0.98	0.00	5.30	0.00
January	3.31	3.91	0.23	0.00	0.00	3.68	1.46	1.46	2.22	5.30	0.00
February	4.42	5.22	0.65	0.00	2.22	6.78	1.65	1.65	5.13	5.30	0.00
March	5.98	7.06	1.49	0.00	5.13	10.70	2.44	2.44	8.26	5.30	2.98
April	1.65	1.95	0.00	0.00	5.30	7.25	2.95	2.95	4.30	5.30	0.00
May	4.10	4.84	0.51	0.00	4.30	8.62	3.91	3.91	4.71	5.30	0.00
June	0.08	0.09	0.00	0.00	4.71	4.81	4.25	4.25	0.56	5.30	0.00
July	0.00	0.00	0.00	0.00	0.56	0.56	4.27	4.27	0.00	5.30	0.00
August	0.08	0.09	0.00	0.00	0.00	0.09	4.15	4.15	0.00	5.30	0.00
September	1.08	1.27	0.00	0.00	0.00	1.27	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											2.962

23.02 27.16 2.88 10.6%

1957-1958											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.17	3.74	0.19	0.00	0.00	3.55	2.81	2.81	0.74	5.30	0.00
November	1.78	2.10	0.00	0.00	0.74	2.84	1.30	1.30	1.54	5.30	0.00
December	3.88	4.58	0.42	0.00	1.54	5.70	0.98	0.98	4.72	5.30	0.00
January	6.23	7.35	1.64	0.00	4.72	10.43	1.46	1.46	8.97	5.30	3.67
February	10.79	12.73	5.15	0.00	5.30	12.88	1.65	1.65	11.23	5.30	5.93
March	9.38	11.07	3.96	0.00	5.30	12.41	2.44	2.44	9.97	5.30	4.67
April	5.83	6.88	1.40	0.00	5.30	10.78	2.95	2.95	7.83	5.30	2.53
May	0.68	0.80	0.00	0.00	5.30	6.10	3.91	3.91	2.19	5.30	0.00
June	0.71	0.84	0.00	0.00	2.19	3.03	4.25	4.25	0.00	5.30	0.00
July	0.38	0.45	0.00	0.00	0.00	0.45	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.18	0.21	0.00	0.00	0.00	0.21	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											16.799

43.01 50.75 12.76 25.1%

1958-1959											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.27	0.32	0.00	0.00	0.00	0.32	2.81	2.81	0.00	5.30	0.00
November	0.50	0.59	0.00	0.00	0.00	0.59	1.30	1.30	0.00	5.30	0.00
December	1.89	2.23	0.00	0.00	0.00	2.23	0.98	0.98	1.25	5.30	0.00
January	5.07	5.98	0.97	0.00	1.25	6.26	1.46	1.46	4.80	5.30	0.00
February	5.64	6.66	1.28	0.00	4.80	10.18	1.65	1.65	8.53	5.30	3.23
March	0.64	0.76	0.00	0.00	5.30	6.06	2.44	2.44	3.62	5.30	0.00
April	0.42	0.50	0.00	0.00	3.62	4.11	2.95	2.95	1.16	5.30	0.00
May	0.36	0.42	0.00	0.00	1.16	1.59	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.21	0.25	0.00	0.00	0.00	0.25	4.15	4.15	0.00	5.30	0.00
September	3.66	4.32	0.34	0.00	0.00	3.98	3.54	3.54	0.44	5.30	0.00
Total yield											3.226

18.66 22.02 2.59 11.8%

1959-1960											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.40	0.47	0.00	0.00	0.44	0.91	2.81	2.81	0.00	5.30	0.00
November	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	1.97	2.32	0.00	0.00	0.00	2.32	0.98	0.98	1.34	5.30	0.00
January	5.29	6.24	1.09	0.00	1.34	6.50	1.46	1.46	5.04	5.30	0.00
February	4.66	5.50	0.76	0.00	5.04	9.78	1.65	1.65	8.13	5.30	2.83
March	1.90	2.24	0.00	0.00	5.30	7.54	2.44	2.44	5.10	5.30	0.00
April	1.27	1.50	0.00	0.00	5.10	6.60	2.95	2.95	3.65	5.30	0.00
May	0.71	0.84	0.00	0.00	3.65	4.49	3.91	3.91	0.58	5.30	0.00
June	0.00	0.00	0.00	0.00	0.58	0.58	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total yield											2.827

16.20 19.12 1.85 9.7%

1960-1961											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.88	1.04	0.00	0.00	0.00	1.04	2.81	2.81	0.00	5.30	0.00
November	5.12	6.04	0.99	0.00	0.00	5.05	1.30	1.30	3.75	5.30	0.00
December	1.70	2.01	0.00	0.00	3.75	5.75	0.98	0.98	4.77	5.30	0.00
January	2.98	3.52	0.14	0.00	4.77	8.15	1.46	1.46	6.69	5.30	1.39
February	1.89	2.23	0.00	0.00	5.30	7.53	1.65	1.65	5.88	5.30	0.58
March	3.25	3.83	0.21	0.00	5.30	8.92	2.44	2.44	6.48	5.30	1.18
April	1.06	1.25	0.00	0.00	5.30	6.55	2.95	2.95	3.60	5.30	0.00
May	1.73	2.04	0.00	0.00	3.60	5.64	3.91	3.91	1.73	5.30	0.00
June	0.22	0.26	0.00	0.00	1.73	1.99	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.10	0.12	0.00	0.00	0.00	0.12	4.15	4.15	0.00	5.30	0.00
September	0.57	0.67	0.00	0.00	0.00	0.67	3.54	3.54	0.00	5.30	0.00
Total yield											3.152

19.50 23.01 1.35 5.9%

Percolation for Miramar Uplands Subarea

1961-1962											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.12	0.14	0.00	0.00	0.00	0.14	2.81	2.81	0.00	5.30	0.00
November	3.66	4.32	0.34	0.00	0.00	3.98	1.30	1.30	2.68	5.30	0.00
December	3.18	3.75	0.19	0.00	2.68	6.24	0.98	0.98	5.26	5.30	0.00
January	2.09	2.47	0.01	0.00	5.26	7.72	1.46	1.46	6.26	5.30	0.96
February	8.64	10.20	3.37	0.00	5.30	12.13	1.65	1.65	10.48	5.30	5.18
March	3.52	4.15	0.29	0.00	5.30	9.16	2.44	2.44	6.72	5.30	1.42
April	0.82	0.97	0.00	0.00	5.30	6.27	2.95	2.95	3.32	5.30	0.00
May	0.24	0.28	0.00	0.00	3.32	3.60	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.29	0.34	0.00	0.00	0.00	0.34	4.15	4.15	0.00	5.30	0.00
September	0.51	0.60	0.00	0.00	0.00	0.60	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											7.556

23.07 27.22 4.20 15.4%

1962-1963											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	10.97	12.94	5.31	0.00	0.00	7.64	2.81	2.81	4.83	5.30	0.00
November	0.60	0.71	0.00	0.00	4.83	5.53	1.30	1.30	4.23	5.30	0.00
December	3.57	4.21	0.31	0.00	4.23	8.13	0.98	0.98	7.15	5.30	1.85
January	3.44	4.06	0.27	0.00	5.30	9.09	1.46	1.46	7.63	5.30	2.33
February	3.65	4.31	0.34	0.00	5.30	9.27	1.65	1.65	7.62	5.30	2.32
March	4.33	5.11	0.61	0.00	5.30	9.80	2.44	2.44	7.36	5.30	2.06
April	5.08	5.99	0.97	0.00	5.30	10.32	2.95	2.95	7.37	5.30	2.07
May	0.64	0.76	0.00	0.00	5.30	6.06	3.91	3.91	2.15	5.30	0.00
June	0.00	0.00	0.00	0.00	2.15	2.15	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.03	0.04	0.00	0.00	0.00	0.04	4.15	4.15	0.00	5.30	0.00
September	0.09	0.11	0.00	0.00	0.00	0.11	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											10.635

32.40 38.23 7.81 20.4%

1963-1964											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.48	2.93	0.04	0.00	0.00	2.88	2.81	2.81	0.07	5.30	0.00
November	4.00	4.72	0.47	0.00	0.07	4.32	1.30	1.30	3.02	5.30	0.00
December	1.04	1.23	0.00	0.00	3.02	4.25	0.98	0.98	3.27	5.30	0.00
January	5.32	6.28	1.10	0.00	3.27	8.44	1.46	1.46	6.98	5.30	1.68
February	0.52	0.61	0.00	0.00	5.30	5.91	1.65	1.65	4.26	5.30	0.00
March	2.46	2.90	0.04	0.00	4.26	7.12	2.44	2.44	4.68	5.30	0.00
April	0.23	0.27	0.00	0.00	4.68	4.96	2.95	2.95	2.01	5.30	0.00
May	0.47	0.55	0.00	0.00	2.01	2.56	3.91	3.91	0.00	5.30	0.00
June	0.58	0.68	0.00	0.00	0.00	0.68	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											1.684

17.10 20.18 1.66 8.2%

1964-1965											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.89	2.23	0.00	0.00	0.00	2.23	2.81	2.81	0.00	5.30	0.00
November	3.11	3.67	0.17	0.00	0.00	3.50	1.30	1.30	2.20	5.30	0.00
December	7.50	8.85	2.51	0.00	2.20	8.54	0.98	0.98	7.56	5.30	2.26
January	4.41	5.20	0.64	0.00	5.30	9.86	1.46	1.46	8.40	5.30	3.10
February	1.40	1.65	0.00	0.00	5.30	6.95	1.65	1.65	5.30	5.30	0.00
March	1.58	1.86	0.00	0.00	5.30	7.16	2.44	2.44	4.72	5.30	0.00
April	5.22	6.16	1.05	0.00	4.72	9.84	2.95	2.95	6.89	5.30	1.59
May	0.00	0.00	0.00	0.00	5.30	5.30	3.91	3.91	1.39	5.30	0.00
June	0.06	0.07	0.00	0.00	1.39	1.46	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.23	0.27	0.00	0.00	0.00	0.27	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											6.948

25.40 29.97 4.37 14.6%

1965-1966											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November	5.58	6.58	1.25	0.00	0.00	5.33	1.30	1.30	4.03	5.30	0.00
December	4.96	5.85	0.91	0.00	4.03	8.98	0.98	0.98	8.00	5.30	2.70
January	3.77	4.45	0.38	0.00	5.30	9.37	1.46	1.46	7.91	5.30	2.61
February	3.51	4.14	0.29	0.00	5.30	9.15	1.65	1.65	7.50	5.30	2.20
March	0.68	0.80	0.00	0.00	5.30	6.10	2.44	2.44	3.66	5.30	0.00
April	0.71	0.84	0.00	0.00	3.66	4.50	2.95	2.95	1.55	5.30	0.00
May	0.20	0.24	0.00	0.00	1.55	1.79	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.12	0.14	0.00	0.00	0.00	0.14	4.27	4.27	0.00	5.30	0.00
August	0.27	0.32	0.00	0.00	0.00	0.32	4.15	4.15	0.00	5.30	0.00
September	0.25	0.29	0.00	0.00	0.00	0.29	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											7.504

20.05 23.66 2.83 12.0%

Percolation for Miramar Uplands Subarea

1976-1977

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.30	0.35	0.00	0.00	0.00	0.35	2.81	2.81	0.00	5.30	0.00
November	1.73	2.04	0.00	0.00	0.00	2.04	1.30	1.30	0.74	5.30	0.00
December	2.41	2.84	0.04	0.00	0.74	3.55	0.98	0.98	2.57	5.30	0.00
January	2.26	2.67	0.02	0.00	2.57	5.22	1.46	1.46	3.76	5.30	0.00
February	1.31	1.55	0.00	0.00	3.76	5.30	1.65	1.65	3.65	5.30	0.00
March	3.15	3.72	0.18	0.00	3.65	7.19	2.44	2.44	4.75	5.30	0.00
April	0.20	0.24	0.00	0.00	4.75	4.98	2.95	2.95	2.03	5.30	0.00
May	1.23	1.45	0.00	0.00	2.03	3.48	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.16	0.19	0.00	0.00	0.00	0.19	4.27	4.27	0.00	5.30	0.00
August	0.27	0.32	0.00	0.00	0.00	0.32	4.15	4.15	0.00	5.30	0.00
September	1.59	1.88	0.00	0.00	0.00	1.88	3.54	3.54	0.00	5.30	0.00
	14.61	17.24	0.24	1.4%						Total yield	0.000

1977-1978

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.47	0.55	0.00	0.00	0.00	0.55	2.81	2.81	0.00	5.30	0.00
November	3.37	3.98	0.25	0.00	0.00	3.73	1.30	1.30	2.43	5.30	0.00
December	5.60	6.61	1.26	0.00	2.43	7.78	0.98	0.98	6.80	5.30	1.50
January	9.01	10.63	3.66	0.00	5.30	12.27	1.46	1.46	10.81	5.30	5.51
February	5.62	6.63	1.27	0.00	5.30	10.66	1.65	1.65	9.01	5.30	3.71
March	5.58	6.58	1.25	0.00	5.30	10.63	2.44	2.44	8.19	5.30	2.89
April	4.50	5.31	0.89	0.00	5.30	9.92	2.95	2.95	6.97	5.30	1.67
May	0.00	0.00	0.00	0.00	5.30	5.30	3.91	3.91	1.39	5.30	0.00
June	0.00	0.00	0.00	0.00	1.39	1.39	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	34.15	40.30	8.37	20.8%						Total yield	15.288

1978-1979

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.05	0.06	0.00	0.00	0.00	0.06	2.81	2.81	0.00	5.30	0.00
November	3.04	3.59	0.16	0.00	0.00	3.43	1.30	1.30	2.13	5.30	0.00
December	0.83	0.98	0.00	0.00	2.13	3.11	0.98	0.98	2.13	5.30	0.00
January	8.11	9.57	2.96	0.00	2.13	8.74	1.46	1.46	7.28	5.30	1.98
February	6.27	7.40	1.67	0.00	5.30	11.03	1.65	1.65	9.38	5.30	4.08
March	4.83	5.70	0.84	0.00	5.30	10.15	2.44	2.44	7.71	5.30	2.41
April	0.89	1.05	0.00	0.00	5.30	6.35	2.95	2.95	3.40	5.30	0.00
May	0.85	1.00	0.00	0.00	3.40	4.40	3.91	3.91	0.49	5.30	0.00
June	0.00	0.00	0.00	0.00	0.49	0.49	4.25	4.25	0.00	5.30	0.00
July	0.29	0.34	0.00	0.00	0.00	0.34	4.27	4.27	0.00	5.30	0.00
August	0.13	0.15	0.00	0.00	0.00	0.15	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	25.29	29.84	5.62	18.8%						Total yield	8.479

1979-1980

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.23	3.81	0.21	0.00	0.00	3.61	2.81	2.81	0.80	5.30	0.00
November	3.97	4.68	0.46	0.00	0.80	5.02	1.30	1.30	3.72	5.30	0.00
December	5.76	6.80	1.35	0.00	3.72	9.16	0.98	0.98	8.18	5.30	2.88
January	5.40	6.37	1.15	0.00	5.30	10.52	1.46	1.46	9.06	5.30	3.76
February	7.49	8.84	2.50	0.00	5.30	11.64	1.65	1.65	9.99	5.30	4.69
March	1.90	2.24	0.00	0.00	5.30	7.54	2.44	2.44	5.10	5.30	0.00
April	1.88	2.22	0.00	0.00	5.10	7.32	2.95	2.95	4.37	5.30	0.00
May	0.32	0.38	0.00	0.00	4.37	4.75	3.91	3.91	0.84	5.30	0.00
June	0.03	0.04	0.00	0.00	0.84	0.87	4.25	4.25	0.00	5.30	0.00
July	0.07	0.08	0.00	0.00	0.00	0.08	4.27	4.27	0.00	5.30	0.00
August	0.05	0.06	0.00	0.00	0.00	0.06	4.15	4.15	0.00	5.30	0.00
September	0.18	0.21	0.00	0.00	0.00	0.21	3.54	3.54	0.00	5.30	0.00
	30.28	35.73	5.66	15.9%						Total yield	11.339

1980-1981

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.18	0.21	0.00	0.00	0.00	0.21	2.81	2.81	0.00	5.30	0.00
November	0.65	0.77	0.00	0.00	0.00	0.77	1.30	1.30	0.00	5.30	0.00
December	2.44	2.88	0.04	0.00	0.00	2.84	0.98	0.98	1.86	5.30	0.00
January	7.48	8.83	2.49	0.00	1.86	8.19	1.46	1.46	6.73	5.30	1.43
February	2.42	2.86	0.04	0.00	5.30	8.12	1.65	1.65	6.47	5.30	1.17
March	4.71	5.56	0.79	0.00	5.30	10.07	2.44	2.44	7.63	5.30	2.33
April	0.24	0.28	0.00	0.00	5.30	5.58	2.95	2.95	2.63	5.30	0.00
May	0.33	0.39	0.00	0.00	2.63	3.02	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.42	0.50	0.00	0.00	0.00	0.50	4.15	4.15	0.00	5.30	0.00
September	0.37	0.44	0.00	0.00	0.00	0.44	3.54	3.54	0.00	5.30	0.00
	19.24	22.70	3.35	14.8%						Total yield	4.936

Percolation for Miramar Uplands Subarea

1981-1982

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.98	4.70	0.46	0.00	0.00	4.23	2.81	2.81	1.42	5.30	0.00
November	7.08	8.35	2.21	0.00	1.42	7.57	1.30	1.30	6.27	5.30	0.97
December	6.00	7.08	1.50	0.00	5.30	10.88	0.98	0.98	9.90	5.30	4.60
January	12.01	14.17	6.24	0.00	5.30	13.23	1.46	1.46	11.77	5.30	6.47
February	5.11	6.03	0.99	0.00	5.30	10.34	1.65	1.65	8.69	5.30	3.39
March	7.91	9.33	2.81	0.00	5.30	11.83	2.44	2.44	9.39	5.30	4.09
April	5.02	5.92	0.94	0.00	5.30	10.28	2.95	2.95	7.33	5.30	2.03
May	0.00	0.00	0.00	0.00	5.30	5.30	3.91	3.91	1.39	5.30	0.00
June	0.42	0.50	0.00	0.00	1.39	1.89	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.15	0.18	0.00	0.00	0.00	0.18	4.15	4.15	0.00	5.30	0.00
September	1.73	2.04	0.00	0.00	0.00	2.04	3.54	3.54	0.00	5.30	0.00

49.41 58.30 15.15 26.0% Total yield 21.554

1982-1983

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.82	4.51	0.40	0.00	0.00	4.11	2.81	2.81	1.30	5.30	0.00
November	7.03	8.30	2.17	0.00	1.30	7.42	1.30	1.30	6.12	5.30	0.82
December	5.41	6.38	1.15	0.00	5.30	10.53	0.98	0.98	9.55	5.30	4.25
January	8.98	10.60	3.63	0.00	5.30	12.26	1.46	1.46	10.80	5.30	5.50
February	9.14	10.79	3.76	0.00	5.30	12.32	1.65	1.65	10.67	5.30	5.37
March	13.05	15.40	7.20	0.00	5.30	13.50	2.44	2.44	11.06	5.30	5.76
April	3.33	3.93	0.23	0.00	5.30	8.99	2.95	2.95	6.04	5.30	0.74
May	0.89	1.05	0.00	0.00	5.30	6.35	3.91	3.91	2.44	5.30	0.00
June	0.03	0.04	0.00	0.00	2.44	2.48	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.14	0.17	0.00	0.00	0.00	0.17	4.15	4.15	0.00	5.30	0.00
September	0.80	0.94	0.00	0.00	0.00	0.94	3.54	3.54	0.00	5.30	0.00

52.62 62.09 18.56 29.9% Total yield 22.448

1983-1984

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.12	1.32	0.00	0.00	0.00	1.32	2.81	2.81	0.00	5.30	0.00
November	8.07	9.52	2.93	0.00	0.00	6.60	1.30	1.30	5.30	5.30	0.00
December	9.46	11.16	4.02	0.00	5.30	12.43	0.98	0.98	11.45	5.30	6.15
January	0.26	0.31	0.00	0.00	5.30	5.61	1.46	1.46	4.15	5.30	0.00
February	2.15	2.54	0.01	0.00	4.15	6.67	1.65	1.65	5.02	5.30	0.00
March	2.12	2.50	0.01	0.00	5.02	7.52	2.44	2.44	5.08	5.30	0.00
April	1.09	1.29	0.00	0.00	5.08	6.36	2.95	2.95	3.41	5.30	0.00
May	0.20	0.24	0.00	0.00	3.41	3.65	3.91	3.91	0.00	5.30	0.00
June	0.46	0.54	0.00	0.00	0.00	0.54	4.25	4.25	0.00	5.30	0.00
July	0.06	0.07	0.00	0.00	0.00	0.07	4.27	4.27	0.00	5.30	0.00
August	0.33	0.39	0.00	0.00	0.00	0.39	4.15	4.15	0.00	5.30	0.00
September	0.18	0.21	0.00	0.00	0.00	0.21	3.54	3.54	0.00	5.30	0.00

25.50 30.09 6.97 23.2% Total yield 6.155

1984-1985

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.81	4.50	0.40	0.00	0.00	4.10	2.81	2.81	1.29	5.30	0.00
November	9.86	11.63	4.36	0.00	1.29	8.57	1.30	1.30	7.27	5.30	1.97
December	3.20	3.78	0.20	0.00	5.30	8.88	0.98	0.98	7.90	5.30	2.60
January	1.02	1.20	0.00	0.00	5.30	6.50	1.46	1.46	5.04	5.30	0.00
February	2.90	3.42	0.12	0.00	5.04	8.34	1.65	1.65	6.69	5.30	1.39
March	5.07	5.98	0.97	0.00	5.30	10.31	2.44	2.44	7.87	5.30	2.57
April	0.13	0.15	0.00	0.00	5.30	5.45	2.95	2.95	2.50	5.30	0.00
May	0.32	0.38	0.00	0.00	2.50	2.88	3.91	3.91	0.00	5.30	0.00
June	0.47	0.55	0.00	0.00	0.00	0.55	4.25	4.25	0.00	5.30	0.00
July	0.31	0.37	0.00	0.00	0.00	0.37	4.27	4.27	0.00	5.30	0.00
August	0.05	0.06	0.00	0.00	0.00	0.06	4.15	4.15	0.00	5.30	0.00
September	0.40	0.47	0.00	0.00	0.00	0.47	3.54	3.54	0.00	5.30	0.00

27.54 32.50 6.04 18.6% Total yield 8.535

1985-1986

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.51	1.78	0.00	0.00	0.00	1.78	2.81	2.81	0.00	5.30	0.00
November		0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	3.18	3.75	0.19	0.00	0.00	3.56	0.98	0.98	2.58	5.30	0.00
January	4.98	5.88	0.92	0.00	2.58	7.54	1.46	1.46	6.08	5.30	0.78
February	11.48	13.55	5.76	0.00	5.30	13.09	1.65	1.65	11.44	5.30	6.14
March	7.12	8.40	2.24	0.00	5.30	11.47	2.44	2.44	9.03	5.30	3.73
April	0.50	0.59	0.00	0.00	5.30	5.89	2.95	2.95	2.94	5.30	0.00
May	0.84	0.99	0.00	0.00	2.94	3.93	3.91	3.91	0.02	5.30	0.00
June	0.09	0.11	0.00	0.00	0.02	0.13	4.25	4.25	0.00	5.30	0.00
July	0.08	0.09	0.00	0.00	0.00	0.09	4.27	4.27	0.00	5.30	0.00
August	0.25	0.29	0.00	0.00	0.00	0.29	4.15	4.15	0.00	5.30	0.00
September	2.20	2.60	0.01	0.00	0.00	2.58	3.54	3.54	0.00	5.30	0.00

32.23 38.03 9.12 24.0% Total yield 10.637

Percolation for Miramar Uplands Subarea

1986-1987

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.42	0.50	0.00	0.00	0.00	0.50	2.81	2.81	0.00	5.30	0.00
November	0.32	0.38	0.00	0.00	0.00	0.38	1.30	1.30	0.00	5.30	0.00
December	3.10	3.66	0.17	0.00	0.00	3.49	0.98	0.98	2.51	5.30	0.00
January	5.10	6.02	0.98	0.00	2.51	7.54	1.46	1.46	6.08	5.30	0.78
February	3.87	4.57	0.42	0.00	5.30	9.45	1.65	1.65	7.80	5.30	2.50
March	4.16	4.91	0.54	0.00	5.30	9.67	2.44	2.44	7.23	5.30	1.93
April	0.95	1.12	0.00	0.00	5.30	6.42	2.95	2.95	3.47	5.30	0.00
May	0.06	0.07	0.00	0.00	3.47	3.54	3.91	3.91	0.00	5.30	0.00
June	0.08	0.09	0.00	0.00	0.00	0.09	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.10	0.12	0.00	0.00	0.00	0.12	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total yield											5.213
18.16		21.43		2.11		9.8%					

1987-1988

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.13	2.51	0.01	0.00	0.00	2.50	2.81	2.81	0.00	5.30	0.00
November	2.63	3.10	0.07	0.00	0.00	3.03	1.30	1.30	1.73	5.30	0.00
December	6.03	7.12	1.52	0.00	1.73	7.33	0.98	0.98	6.35	5.30	1.05
January	4.48	5.29	0.68	0.00	5.30	9.91	1.46	1.46	8.45	5.30	3.15
February	0.58	0.68	0.00	0.00	5.30	5.98	1.65	1.65	4.33	5.30	0.00
March	0.12	0.14	0.00	0.00	4.33	4.48	2.44	2.44	2.04	5.30	0.00
April	3.04	3.59	0.16	0.00	2.04	5.47	2.95	2.95	2.52	5.30	0.00
May	0.69	0.81	0.00	0.00	2.52	3.33	3.91	3.91	0.00	5.30	0.00
June	0.29	0.34	0.00	0.00	0.00	0.34	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.01	0.01	0.00	0.00	0.00	0.01	4.15	4.15	0.00	5.30	0.00
September	0.02	0.02	0.00	0.00	0.00	0.02	3.54	3.54	0.00	5.30	0.00
Total yield											4.202
20.02		23.62		2.43		10.3%					

1988-1989

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.94	1.11	0.00	0.00	0.00	1.11	2.81	2.81	0.00	5.30	0.00
November	3.55	4.19	0.30	0.00	0.00	3.88	1.30	1.30	2.58	5.30	0.00
December	5.17	6.10	1.02	0.00	2.58	7.66	0.98	0.98	6.68	5.30	1.38
January	2.01	2.37	0.00	0.00	5.30	7.67	1.46	1.46	6.21	5.30	0.91
February	1.30	1.53	0.00	0.00	5.30	6.83	1.65	1.65	5.18	5.30	0.00
March	7.95	9.38	2.84	0.00	5.18	11.73	2.44	2.44	9.29	5.30	3.99
April	1.83	2.16	0.00	0.00	5.30	7.46	2.95	2.95	4.51	5.30	0.00
May	0.31	0.37	0.00	0.00	4.51	4.88	3.91	3.91	0.97	5.30	0.00
June	0.10	0.12	0.00	0.00	0.97	1.08	4.25	4.25	0.00	5.30	0.00
July	0.13	0.15	0.00	0.00	0.00	0.15	4.27	4.27	0.00	5.30	0.00
August	0.27	0.32	0.00	0.00	0.00	0.32	4.15	4.15	0.00	5.30	0.00
September	0.95	1.12	0.00	0.00	0.00	1.12	3.54	3.54	0.00	5.30	0.00
Total yield											6.282
24.51		28.92		4.16		14.4%					

1989-1990

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.05	2.42	0.00	0.00	0.00	2.41	2.81	2.81	0.00	5.30	0.00
November	1.95	2.30	0.00	0.00	0.00	2.30	1.30	1.30	1.00	5.30	0.00
December	0.03	0.04	0.00	0.00	1.00	1.04	0.98	0.98	0.06	5.30	0.00
January	4.29	5.06	0.59	0.00	0.06	4.53	1.46	1.46	3.07	5.30	0.00
February	2.52	2.97	0.05	0.00	3.07	5.99	1.65	1.65	4.34	5.30	0.00
March	1.33	1.57	0.00	0.00	4.34	5.91	2.44	2.44	3.47	5.30	0.00
April	0.29	0.34	0.00	0.00	3.47	3.81	2.95	2.95	0.86	5.30	0.00
May	2.82	3.33	0.10	0.00	0.86	4.08	3.91	3.91	0.17	5.30	0.00
June	0.46	0.54	0.00	0.00	0.17	0.72	4.25	4.25	0.00	5.30	0.00
July	0.24	0.28	0.00	0.00	0.00	0.28	4.27	4.27	0.00	5.30	0.00
August	0.14	0.17	0.00	0.00	0.00	0.17	4.15	4.15	0.00	5.30	0.00
September	0.33	0.39	0.00	0.00	0.00	0.39	3.54	3.54	0.00	5.30	0.00
Total yield											0.000
16.45		19.41		0.75		3.9%					

1990-1991

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.55	0.65	0.00	0.00	0.00	0.65	2.81	2.81	0.00	5.30	0.00
November	0.74	0.87	0.00	0.00	0.00	0.87	1.30	1.30	0.00	5.30	0.00
December	2.58	3.04	0.06	0.00	0.00	2.98	0.98	0.98	2.00	5.30	0.00
January	0.56	0.66	0.00	0.00	2.00	2.66	1.46	1.46	1.20	5.30	0.00
February	4.19	4.94	0.55	0.00	1.20	5.60	1.65	1.65	3.95	5.30	0.00
March	8.81	10.40	3.50	0.00	3.95	10.85	2.44	2.44	8.41	5.30	3.11
April	0.90	1.06	0.00	0.00	5.30	6.36	2.95	2.95	3.41	5.30	0.00
May	0.67	0.79	0.00	0.00	3.41	4.20	3.91	3.91	0.29	5.30	0.00
June	0.32	0.38	0.00	0.00	0.29	0.67	4.25	4.25	0.00	5.30	0.00
July	0.27	0.32	0.00	0.00	0.00	0.32	4.27	4.27	0.00	5.30	0.00
August	0.92	1.09	0.00	0.00	0.00	1.09	4.15	4.15	0.00	5.30	0.00
September	0.25	0.29	0.00	0.00	0.00	0.29	3.54	3.54	0.00	5.30	0.00
Total yield											3.108
20.76		24.50		4.11		16.8%					

Percolation for Miramar Uplands Subarea

1991-1992

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.63	3.10	0.07	0.00	0.00	3.03	2.81	2.81	0.22	5.30	0.00
November	1.01	1.19	0.00	0.00	0.22	1.42	1.30	1.30	0.12	5.30	0.00
December	3.60	4.25	0.32	0.00	0.12	4.04	0.98	0.98	3.06	5.30	0.00
January	3.18	3.75	0.19	0.00	3.06	6.62	1.46	1.46	5.16	5.30	0.00
February	8.70	10.27	3.41	0.00	5.16	12.02	1.65	1.65	10.37	5.30	5.07
March	3.45	4.07	0.27	0.00	5.30	9.10	2.44	2.44	6.66	5.30	1.36
April	0.40	0.47	0.00	0.00	5.30	5.77	2.95	2.95	2.82	5.30	0.00
May	0.06	0.07	0.00	0.00	2.82	2.89	3.91	3.91	0.00	5.30	0.00
June	0.84	0.99	0.00	0.00	0.00	0.99	4.25	4.25	0.00	5.30	0.00
July	0.02	0.02	0.00	0.00	0.00	0.02	4.27	4.27	0.00	5.30	0.00
August	0.18	0.21	0.00	0.00	0.00	0.21	4.15	4.15	0.00	5.30	0.00
September	0.12	0.14	0.00	0.00	0.00	0.14	3.54	3.54	0.00	5.30	0.00
	24.19	28.54	4.27	14.9%						Total yield	6.426

1992-1993

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.88	3.40	0.12	0.00	0.00	3.28	2.81	2.81	0.47	5.30	0.00
November	0.67	0.79	0.00	0.00	0.47	1.26	1.30	1.30	0.00	5.30	0.00
December	8.10	9.56	2.95	0.00	0.00	6.61	0.98	0.98	5.63	5.30	0.33
January	9.21	10.87	3.82	0.00	5.30	12.35	1.46	1.46	10.89	5.30	5.59
February	5.59	6.60	1.26	0.00	5.30	10.64	1.65	1.65	8.99	5.30	3.69
March	2.79	3.29	0.10	0.00	5.30	8.49	2.44	2.44	6.05	5.30	0.75
April	1.68	1.98	0.00	0.00	5.30	7.28	2.95	2.95	4.33	5.30	0.00
May	1.38	1.63	0.00	0.00	4.33	5.96	3.91	3.91	2.05	5.30	0.00
June	0.48	0.57	0.00	0.00	2.05	2.62	4.25	4.25	0.00	5.30	0.00
July	0.06	0.07	0.00	0.00	0.00	0.07	4.27	4.27	0.00	5.30	0.00
August	0.17	0.20	0.00	0.00	0.00	0.20	4.15	4.15	0.00	5.30	0.00
September	0.21	0.25	0.00	0.00	0.00	0.25	3.54	3.54	0.00	5.30	0.00
	33.22	39.20	8.24	21.0%						Total yield	10.361

1993-1994

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.62	0.73	0.00	0.00	0.00	0.73	2.81	2.81	0.00	5.30	0.00
November	1.55	1.83	0.00	0.00	0.00	1.83	1.30	1.30	0.53	5.30	0.00
December	2.77	3.27	0.09	0.00	0.53	3.70	0.98	0.98	2.72	5.30	0.00
January	2.63	3.10	0.07	0.00	2.72	5.76	1.46	1.46	4.30	5.30	0.00
February	5.61	6.62	1.27	0.00	4.30	9.65	1.65	1.65	8.00	5.30	2.70
March	0.77	0.91	0.00	0.00	5.30	6.21	2.44	2.44	3.77	5.30	0.00
April	1.85	2.18	0.00	0.00	3.77	5.95	2.95	2.95	3.00	5.30	0.00
May	1.64	1.94	0.00	0.00	3.00	4.94	3.91	3.91	1.03	5.30	0.00
June	0.11	0.13	0.00	0.00	1.03	1.16	4.25	4.25	0.00	5.30	0.00
July	0.13	0.15	0.00	0.00	0.00	0.15	4.27	4.27	0.00	5.30	0.00
August	0.17	0.20	0.00	0.00	0.00	0.20	4.15	4.15	0.00	5.30	0.00
September	0.09	0.11	0.00	0.00	0.00	0.11	3.54	3.54	0.00	5.30	0.00
	17.94	21.17	1.43	6.8%						Total yield	2.701

1994-1995

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.08	0.09	0.00	0.00	0.00	0.09	2.81	2.81	0.00	5.30	0.00
November	5.34	6.30	1.11	0.00	0.00	5.19	1.30	1.30	3.89	5.30	0.00
December	3.93	4.64	0.44	0.00	3.89	8.08	0.98	0.98	7.10	5.30	1.80
January	11.38	13.43	5.67	0.00	5.30	13.06	1.46	1.46	11.60	5.30	6.30
February	0.26	0.31	0.00	0.00	5.30	5.61	1.65	1.65	3.96	5.30	0.00
March	8.71	10.28	3.42	0.00	3.96	10.81	2.44	2.44	8.37	5.30	3.07
April	2.35	2.77	0.03	0.00	5.30	8.04	2.95	2.95	5.09	5.30	0.00
May	1.54	1.82	0.00	0.00	5.09	6.91	3.91	3.91	3.00	5.30	0.00
June	0.78	0.92	0.00	0.00	3.00	3.92	4.25	4.25	0.00	5.30	0.00
July	0.05	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
August	0.05	0.06	0.00	0.00	0.00	0.06	4.15	4.15	0.00	5.30	0.00
September	0.15	0.18	0.00	0.00	0.00	0.18	3.54	3.54	0.00	5.30	0.00
	34.62	40.85	10.68	26.1%						Total yield	11.173

1995-1996

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.07	0.08	0.00	0.00	0.00	0.08	2.81	2.81	0.00	5.30	0.00
November	0.30	0.35	0.00	0.00	0.00	0.35	1.30	1.30	0.00	5.30	0.00
December	8.25	9.73	3.06	0.00	0.00	6.67	0.98	0.98	5.69	5.30	0.39
January	8.27	9.76	3.08	0.00	5.30	11.98	1.46	1.46	10.52	5.30	5.22
February	7.05	8.32	2.19	0.00	5.30	11.43	1.65	1.65	9.78	5.30	4.48
March	3.34	3.94	0.24	0.00	5.30	9.00	2.44	2.44	6.56	5.30	1.26
April	1.98	2.34	0.00	0.00	5.30	7.63	2.95	2.95	4.68	5.30	0.00
May	2.16	2.55	0.01	0.00	4.68	7.22	3.91	3.91	3.31	5.30	0.00
June	0.13	0.15	0.00	0.00	3.31	3.47	4.25	4.25	0.00	5.30	0.00
July	0.06	0.07	0.00	0.00	0.00	0.07	4.27	4.27	0.00	5.30	0.00
August	0.07	0.08	0.00	0.00	0.00	0.08	4.15	4.15	0.00	5.30	0.00
September	0.20	0.24	0.00	0.00	0.00	0.24	3.54	3.54	0.00	5.30	0.00
	31.88	37.62	8.58	22.8%						Total yield	11.357

Percolation for Miramar Uplands Subarea

1996-1997

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation	
October	1.47	1.73	0.00	0.00	0.00	1.73	2.81	2.81	0.00	5.30	0.00	
November	2.71	3.20	0.08	0.00	0.00	3.11	1.30	1.30	1.81	5.30	0.00	
December	8.83	10.42	3.52	0.00	1.81	8.72	0.98	0.98	7.74	5.30	2.44	
January	9.86	11.63	4.36	0.00	5.30	12.58	1.46	1.46	11.12	5.30	5.82	
February	0.29	0.34	0.00	0.00	5.30	5.64	1.65	1.65	3.99	5.30	0.00	
March	0.59	0.70	0.00	0.00	3.99	4.69	2.44	2.44	2.25	5.30	0.00	
April	0.96	1.13	0.00	0.00	2.25	3.38	2.95	2.95	0.43	5.30	0.00	
May	0.44	0.52	0.00	0.00	0.43	0.95	3.91	3.91	0.00	5.30	0.00	
June	0.57	0.67	0.00	0.00	0.00	0.67	4.25	4.25	0.00	5.30	0.00	
July	0.13	0.15	0.00	0.00	0.00	0.15	4.27	4.27	0.00	5.30	0.00	
August	0.77	0.91	0.00	0.00	0.00	0.91	4.15	4.15	0.00	5.30	0.00	
September	0.08	0.09	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00	
26.70 31.51 7.95 25.2%											Total yield	8.258

1997-1998

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation	
October	0.77	0.91	0.00	0.00	0.00	0.91	2.81	2.81	0.00	5.30	0.00	
November	7.84	9.25	2.75	0.00	0.00	6.50	1.30	1.30	5.20	5.30	0.00	
December	3.65	4.31	0.34	0.00	5.20	9.17	0.98	0.98	8.19	5.30	2.89	
January	12.13	14.31	6.35	0.00	5.30	13.26	1.46	1.46	11.80	5.30	6.50	
February	15.70	18.53	9.75	0.00	5.30	14.07	1.65	1.65	12.42	5.30	7.12	
March	2.58	3.04	0.06	0.00	5.30	8.28	2.44	2.44	5.84	5.30	0.54	
April	2.73	3.22	0.09	0.00	5.30	8.43	2.95	2.95	5.48	5.30	0.18	
May	4.01	4.73	0.47	0.00	5.30	9.56	3.91	3.91	5.65	5.30	0.35	
June	0.30	0.35	0.00	0.00	5.30	5.65	4.25	4.25	1.40	5.30	0.00	
July	0.18	0.21	0.00	0.00	1.40	1.62	4.27	4.27	0.00	5.30	0.00	
August	0.06	0.07	0.00	0.00	0.00	0.07	4.15	4.15	0.00	5.30	0.00	
September	0.25	0.29	0.00	0.00	0.00	0.29	3.54	3.54	0.00	5.30	0.00	
50.20 59.24 19.82 33.5%											Total yield	17.589

1998-1999

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation	
October	0.97	1.14	0.00	0.00	0.00	1.14	2.81	2.81	0.00	5.30	0.00	
November	3.75	4.42	0.37	0.00	0.00	4.05	1.30	1.30	2.75	5.30	0.00	
December	2.09	2.47	0.01	0.00	2.75	5.21	0.98	0.98	4.23	5.30	0.00	
January	6.4	7.55	1.75	0.00	4.23	10.03	1.46	1.46	8.57	5.30	3.27	
February	14	16.52	8.10	0.00	5.30	13.72	1.65	1.65	12.07	5.30	6.77	
March	4.7	5.55	0.78	0.00	5.30	10.07	2.44	2.44	7.63	5.30	2.33	
April	2.73	3.22	0.09	0.00	5.30	8.43	2.95	2.95	5.48	5.30	0.18	
May	0.12	0.14	0.00	0.00	5.30	5.44	3.91	3.91	1.53	5.30	0.00	
June	0.46	0.54	0.00	0.00	1.53	2.07	4.25	4.25	0.00	5.30	0.00	
July	0.05	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00	
August	0.34	0.40	0.00	0.00	0.00	0.40	4.15	4.15	0.00	5.30	0.00	
September	0.21	0.25	0.00	0.00	0.00	0.25	3.54	3.54	0.00	5.30	0.00	
35.82 42.27 11.10 26.3%											Total yield	12.552

1999-2000

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation	
October	0.82	0.97	0.00	0.00	0.00	0.97	2.81	2.81	0.00	5.30	0.00	
November	2.94	3.47	0.13	0.00	0.00	3.34	1.30	1.30	2.04	5.30	0.00	
December	0.93	1.10	0.00	0.00	2.04	3.14	0.98	0.98	2.16	5.30	0.00	
January	7.53	8.89	2.53	0.00	2.16	8.51	1.46	1.46	7.05	5.30	1.75	
February	11.27	13.30	5.57	0.00	5.30	13.02	1.65	1.65	11.37	5.30	6.07	
March	2.45	2.89	0.04	0.00	5.30	8.15	2.44	2.44	5.71	5.30	0.41	
April	3.1	3.66	0.17	0.00	5.30	8.79	2.95	2.95	5.84	5.30	0.54	
May	1.72	2.03	0.00	0.00	5.30	7.33	3.91	3.91	3.42	5.30	0.00	
June	0.18	0.21	0.00	0.00	3.42	3.63	4.25	4.25	0.00	5.30	0.00	
July	0.26	0.31	0.00	0.00	0.00	0.31	4.27	4.27	0.00	5.30	0.00	
August	0.19	0.22	0.00	0.00	0.00	0.22	4.15	4.15	0.00	5.30	0.00	
September	0.41	0.48	0.00	0.00	0.00	0.48	3.54	3.54	0.00	5.30	0.00	
31.80 37.52 8.44 22.5%											Total yield	8.775

2000-2001

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation	
October	3.74	4.41	0.37	0.00	0.00	4.04	2.81	2.81	1.23	5.30	0.00	
November	1.3	1.53	0.00	0.00	1.23	2.77	1.30	1.30	1.47	5.30	0.00	
December	0.69	0.81	0.00	0.00	1.47	2.28	0.98	0.98	1.30	5.30	0.00	
January	5.75	6.78	1.35	0.00	1.30	6.74	1.46	1.46	5.28	5.30	0.00	
February	6.44	7.60	1.78	0.00	5.28	11.10	1.65	1.65	9.45	5.30	4.15	
March	1.67	1.97	0.00	0.00	5.30	7.27	2.44	2.44	4.83	5.30	0.00	
April	2.19	2.58	0.01	0.00	4.83	7.40	2.95	2.95	4.45	5.30	0.00	
May	0.02	0.02	0.00	0.00	4.45	4.48	3.91	3.91	0.57	5.30	0.00	
June	0.12	0.14	0.00	0.00	0.57	0.71	4.25	4.25	0.00	5.30	0.00	
July	0.28	0.33	0.00	0.00	0.00	0.33	4.27	4.27	0.00	5.30	0.00	
August	0.39	0.46	0.00	0.00	0.00	0.46	4.15	4.15	0.00	5.30	0.00	
September	0.26	0.31	0.00	0.00	0.00	0.31	3.54	3.54	0.00	5.30	0.00	
22.85 26.96 3.51 13.0%											Total yield	4.148

Percolation for Miramar Uplands Subarea

2001-2002

Adjusted San Gregorio data

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.47	0.55	0.00	0.00	0.00	0.55	2.81	2.81	0.00	5.30	0.00
November	6.69	7.89	1.94	0.00	0.00	5.95	1.30	1.30	4.65	5.30	0.00
December	9.26	10.93	3.86	0.00	4.65	11.72	0.98	0.98	10.74	5.30	5.44
January	2.55	3.01	0.06	0.00	5.30	8.25	1.46	1.46	6.79	5.30	1.49
February	2.13	2.51	0.01	0.00	5.30	7.80	1.65	1.65	6.15	5.30	0.85
March	2.54	3.00	0.05	0.00	5.30	8.24	2.44	2.44	5.80	5.30	0.50
April	0.68	0.80	0.00	0.00	5.30	6.10	2.95	2.95	3.15	5.30	0.00
May	0.88	1.04	0.00	0.00	3.15	4.19	3.91	3.91	0.28	5.30	0.00
June	0.23	0.27	0.00	0.00	0.28	0.55	4.25	4.25	0.00	5.30	0.00
July	0.18	0.21	0.00	0.00	0.00	0.21	4.27	4.27	0.00	5.30	0.00
August	0.08	0.09	0.00	0.00	0.00	0.09	4.15	4.15	0.00	5.30	0.00
September	0.17	0.20	0.00	0.00	0.00	0.20	3.54	3.54	0.00	5.30	0.00

25.86

30.51

5.92

19.4%

Total yield

8.290

2002-2003

Estimate for missing data in red based on San Gregorio data for same period

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.17	0.20	0.00	0.00	0.00	0.20	2.81	2.81	0.00	5.30	0.00
November	2.7	3.19	0.08	0.00	0.00	3.10	1.30	1.30	1.80	5.30	0.00
December	9	10.62	3.65	0.00	1.80	8.77	0.98	0.98	7.79	5.30	2.49
January	1.34	1.58	0.00	0.00	5.30	6.88	1.46	1.46	5.42	5.30	0.12
February	3.46	4.08	0.28	0.00	5.30	9.11	1.65	1.65	7.46	5.30	2.16
March	1.82	2.15	0.00	0.00	5.30	7.45	2.44	2.44	5.01	5.30	0.00
April	5.51	6.50	1.21	0.00	5.01	10.30	2.95	2.95	7.35	5.30	2.05
May	0.88	1.04	0.00	0.00	5.30	6.34	3.91	3.91	2.43	5.30	0.00
June	0.18	0.21	0.00	0.00	2.43	2.64	4.25	4.25	0.00	5.30	0.00
July	0.01	0.01	0.00	0.00	0.00	0.01	4.27	4.27	0.00	5.30	0.00
August	0.04	0.05	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
September	0.10	0.12	0.00	0.00	0.00	0.12	3.54	3.54	0.00	5.30	0.00

25.21

29.75

5.22

17.5%

Total yield

6.823

2003-2004

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.22	0.26	0.00	0.00	0.00	0.26	2.81	2.81	0.00	5.30	0.00
November	2.27	2.68	0.02	0.00	0.00	2.66	1.30	1.30	1.36	5.30	0.00
December	8.81	10.40	3.50	0.00	1.36	8.26	0.98	0.98	7.28	5.30	1.98
January	3.33	3.93	0.23	0.00	5.30	8.99	1.46	1.46	7.53	5.30	2.23
February	6.37	7.52	1.73	0.00	5.30	11.08	1.65	1.65	9.43	5.30	4.13
March	1.39	1.64	0.00	0.00	5.30	6.94	2.44	2.44	4.50	5.30	0.00
April	0.31	0.37	0.00	0.00	4.50	4.87	2.95	2.95	1.92	5.30	0.00
May	0.15	0.18	0.00	0.00	1.92	2.09	3.91	3.91	0.00	5.30	0.00
June	0.05	0.06	0.00	0.00	0.00	0.06	4.25	4.25	0.00	5.30	0.00
July	0.34	0.40	0.00	0.00	0.00	0.40	4.27	4.27	0.00	5.30	0.00
August	0.33	0.39	0.00	0.00	0.00	0.39	4.15	4.15	0.00	5.30	0.00
September	0.29	0.34	0.00	0.00	0.00	0.34	3.54	3.54	0.00	5.30	0.00

23.86

28.15

5.49

19.5%

Total yield

8.344

2004-2005

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	4.6	5.43	0.73	0.00	0.00	4.70	2.81	2.81	1.89	5.30	0.00
November	1.38	1.63	0.00	0.00	1.89	3.51	1.30	1.30	2.21	5.30	0.00
December	8.66	10.22	3.38	0.00	2.21	9.05	0.98	0.98	8.07	5.30	2.77
January	6.11	7.21	1.57	0.00	5.30	10.94	1.46	1.46	9.48	5.30	4.18
February	5.28	6.23	1.08	0.00	5.30	10.45	1.65	1.65	8.80	5.30	3.50
March	5.52	6.51	1.22	0.00	5.30	10.60	2.44	2.44	8.16	5.30	2.86
April	1.69	1.99	0.00	0.00	5.30	7.29	2.95	2.95	4.34	5.30	0.00
May	2.32	2.74	0.03	0.00	4.34	7.06	3.91	3.91	3.15	5.30	0.00
June	1.31	1.55	0.00	0.00	3.15	4.69	4.25	4.25	0.44	5.30	0.00
July	0.00	0.00	0.00	0.00	0.44	0.44	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00

36.87

43.51

8.00

18.4%

Total yield

13.312

Percolation Miramar Terrace

Percolation Estimates for Miramar Terrace
1950 - 2005

Averages		
Years used in ave	55	
Precipitation	27.047	
Adj. Precipitation	27.820	
Runoff	17.895	64%
Irrigation		0%
Evapotranspiration	16.855	61%
Percolation	0.000	0%

Crop Coeff.	
October	1
November	1
December	1
January	1
February	1
March	1
April	1
May	1
June	1
July	1
August	1
September	1

Soil Water Holding Capacity- (mean value)	5.3
Land Use	S
Contoured Row Crops Range	
Farmsteads	
Fallow Row	
S=	1.7
Adj. Precip. Facto	1.028573
Irrigation efficient	1

1947-1948	Monthly input	SCS equation				(input or calc.)		(Initial -0)	calc	input	calc	calc	Available to
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	Recharge
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation		
October		0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00		
November		0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00		
December		0.00	0.00	0.00	0.00	0.00	0.98	0.98	0.00	5.30	0.00		
January		0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.00	5.30	0.00		
February		0.00	0.00	0.00	0.00	0.00	1.65	1.65	0.00	5.30	0.00		
March		0.00	0.00	0.00	0.00	0.00	2.44	2.44	0.00	5.30	0.00		
April		0.00	0.00	0.00	0.00	0.00	2.95	2.95	0.00	5.30	0.00		
May		0.00	0.00	0.00	0.00	0.00	3.91	3.91	0.00	5.30	0.00		
June		0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00		
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00		
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00		
September	0.04	0.04	0.00	0.00	0.00	0.04	3.54	3.54	0.00	5.30	0.00		
Totals	0.04	0.04	0.00	0.00%						Total Mean Yield	0.000		

1948-1949	Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.55	0.57	0.03	0.00	0.00	0.54	2.81	2.81	0.00	5.30	0.00	
November	0.66	0.68	0.06	0.00	0.00	0.62	1.30	1.30	0.00	5.30	0.00	
December	4.99	5.13	3.54	0.00	0.00	1.59	0.98	0.98	0.61	5.30	0.00	
January	1.73	1.78	0.66	0.00	0.61	1.73	1.46	1.46	0.27	5.30	0.00	
February	3.91	4.02	2.52	0.00	0.27	1.78	1.65	1.65	0.13	5.30	0.00	
March	4.96	5.10	3.51	0.00	0.13	1.72	2.44	2.44	0.00	5.30	0.00	
April	0.00	0.00	0.00	0.00	0.00	0.00	2.95	2.95	0.00	5.30	0.00	
May	0.41	0.42	0.00	0.00	0.00	0.42	3.91	3.91	0.00	5.30	0.00	
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00	
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00	
August	0.17	0.17	0.00	0.00	0.00	0.17	4.15	4.15	0.00	5.30	0.00	
September		0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00	
Totals	17.38	17.88	10.31	57.7%						Total Mean Yield	0.000	

1949-1950	Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00	
November		0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00	
December		0.00	0.00	0.00	0.00	0.00	0.98	0.98	0.00	5.30	0.00	
January		0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.00	5.30	0.00	
February	2.24	2.30	1.05	0.00	0.00	1.25	1.65	1.65	0.00	5.30	0.00	
March	1.34	1.38	0.39	0.00	0.00	0.98	2.44	2.44	0.00	5.30	0.00	
April	2.12	2.18	0.96	0.00	0.00	1.22	2.95	2.95	0.00	5.30	0.00	
May	0.37	0.38	0.00	0.00	0.00	0.38	3.91	3.91	0.00	5.30	0.00	
June	0.14	0.14	0.00	0.00	0.00	0.14	4.25	4.25	0.00	5.30	0.00	
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00	
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00	
September	0.08	0.08	0.00	0.00	0.00	0.08	3.54	3.54	0.00	5.30	0.00	
Totals	6.29	6.47	2.40	37.2%						Total Mean Yield	0.000	

1950-1951	Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.95	2.01	0.82	0.00	0.00	1.18	2.81	2.81	0.00	5.30	0.00	
November	5.46	5.62	3.99	0.00	0.00	1.63	1.30	1.30	0.33	5.30	0.00	
December	6.01	6.18	4.52	0.00	0.33	1.98	0.98	0.98	1.00	5.30	0.00	
January	5.11	5.26	3.65	0.00	1.00	2.61	1.46	1.46	1.15	5.30	0.00	
February	2.98	3.07	1.68	0.00	1.15	2.53	1.65	1.65	0.88	5.30	0.00	
March	2.84	2.92	1.56	0.00	0.88	2.25	2.44	2.44	0.00	5.30	0.00	
April	0.91	0.94	0.15	0.00	0.00	0.78	2.95	2.95	0.00	5.30	0.00	
May	0.98	1.01	0.19	0.00	0.00	0.82	3.91	3.91	0.00	5.30	0.00	
June	0.17	0.17	0.00	0.00	0.00	0.17	4.25	4.25	0.00	5.30	0.00	
July	0.12	0.12	0.00	0.00	0.00	0.12	4.27	4.27	0.00	5.30	0.00	
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00	
September	0.28	0.29	0.00	0.00	0.00	0.29	3.54	3.54	0.00	5.30	0.00	
Totals	26.81	27.58	16.57	60.1%						Total Mean Yield	0.000	

Percolation Miramar Terrace

1951-1952

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.16	1.19	0.29	0.00	0.00	0.91	2.81	2.81	0.00	5.30	0.00
November	4.15	4.27	2.74	0.00	0.00	1.53	1.30	1.30	0.23	5.30	0.00
December	11.30	11.62	9.81	0.00	0.23	2.04	0.98	0.98	1.06	5.30	0.00
January	9.31	9.58	7.80	0.00	1.06	2.84	1.46	1.46	1.38	5.30	0.00
February	2.20	2.26	1.02	0.00	1.38	2.62	1.65	1.65	0.97	5.30	0.00
March	6.21	6.39	4.72	0.00	0.97	2.64	2.44	2.44	0.20	5.30	0.00
April	0.62	0.64	0.04	0.00	0.20	0.79	2.95	2.95	0.00	5.30	0.00
May	0.45	0.46	0.01	0.00	0.00	0.45	3.91	3.91	0.00	5.30	0.00
June	1.14	1.17	0.27	0.00	0.00	0.90	4.25	4.25	0.00	5.30	0.00
July	0.03	0.03	0.00	0.00	0.00	0.03	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.15	0.15	0.00	0.00	0.00	0.15	3.54	3.54	0.00	5.30	0.00
	36.72	37.77	26.70	70.7%						Total Mean Yield	0.000

1952-1953

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.27	0.28	0.00	0.00	0.00	0.28	2.81	2.81	0.00	5.30	0.00
November	2.66	2.74	1.40	0.00	0.00	1.33	1.30	1.30	0.03	5.30	0.00
December	11.36	11.68	9.87	0.00	0.03	1.85	0.98	0.98	0.87	5.30	0.00
January	4.55	4.68	3.12	0.00	0.87	2.43	1.46	1.46	0.97	5.30	0.00
February		0.00	0.00	0.00	0.97	0.97	1.65	1.65	0.00	5.30	0.00
March		0.00	0.00	0.00	0.00	0.00	2.44	2.44	0.00	5.30	0.00
April	3.17	3.26	1.85	0.00	0.00	1.41	2.95	2.95	0.00	5.30	0.00
May	0.60	0.62	0.04	0.00	0.00	0.58	3.91	3.91	0.00	5.30	0.00
June	0.56	0.58	0.03	0.00	0.00	0.55	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.53	0.55	0.02	0.00	0.00	0.52	4.15	4.15	0.00	5.30	0.00
September	0.12	0.12	0.00	0.00	0.00	0.12	3.54	3.54	0.00	5.30	0.00
	23.82	24.50	16.32	66.6%						Total Mean Yield	0.000

1953-1954

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.67	0.69	0.06	0.00	0.00	0.63	2.81	2.81	0.00	5.30	0.00
November	3.33	3.43	1.99	0.00	0.00	1.44	1.30	1.30	0.14	5.30	0.00
December	1.04	1.07	0.22	0.00	0.14	0.99	0.98	0.98	0.01	5.30	0.00
January	4.18	4.30	2.77	0.00	0.01	1.54	1.46	1.46	0.08	5.30	0.00
February	2.58	2.65	1.33	0.00	0.08	1.40	1.65	1.65	0.00	5.30	0.00
March	5.03	5.17	3.58	0.00	0.00	1.60	2.44	2.44	0.00	5.30	0.00
April	1.49	1.53	0.49	0.00	0.00	1.04	2.95	2.95	0.00	5.30	0.00
May	0.06	0.06	0.00	0.00	0.00	0.06	3.91	3.91	0.00	5.30	0.00
June	0.64	0.66	0.05	0.00	0.00	0.61	4.25	4.25	0.00	5.30	0.00
July	0.10	0.10	0.00	0.00	0.00	0.10	4.27	4.27	0.00	5.30	0.00
August	0.55	0.57	0.03	0.00	0.00	0.54	4.15	4.15	0.00	5.30	0.00
September	0.08	0.08	0.00	0.00	0.00	0.08	3.54	3.54	0.00	5.30	0.00
	19.75	20.31	10.52	51.8%						Total Mean Yield	0.000

1954-1955

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.23	0.24	0.00	0.00	0.00	0.24	2.81	2.81	0.00	5.30	0.00
November	1.96	2.02	0.83	0.00	0.00	1.18	1.30	1.30	0.00	5.30	0.00
December	4.53	4.66	3.10	0.00	0.00	1.56	0.98	0.98	0.58	5.30	0.00
January	5.06	5.20	3.60	0.00	0.58	2.18	1.46	1.46	0.72	5.30	0.00
February	1.37	1.41	0.41	0.00	0.72	1.72	1.65	1.65	0.07	5.30	0.00
March	0.28	0.29	0.00	0.00	0.07	0.35	2.44	2.44	0.00	5.30	0.00
April	2.60	2.67	1.35	0.00	0.00	1.32	2.95	2.95	0.00	5.30	0.00
May	0.36	0.37	0.00	0.00	0.00	0.37	3.91	3.91	0.00	5.30	0.00
June	0.07	0.07	0.00	0.00	0.00	0.07	4.25	4.25	0.00	5.30	0.00
July	0.17	0.17	0.00	0.00	0.00	0.17	4.27	4.27	0.00	5.30	0.00
August	0.12	0.12	0.00	0.00	0.00	0.12	4.15	4.15	0.00	5.30	0.00
September	0.28	0.29	0.00	0.00	0.00	0.29	3.54	3.54	0.00	5.30	0.00
	17.03	17.52	9.30	53.1%						Total Mean Yield	0.000

1955-1956

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.21	0.22	0.00	0.00	0.00	0.22	2.81	2.81	0.00	5.30	0.00
November	2.32	2.39	1.12	0.00	0.00	1.27	1.30	1.30	0.00	5.30	0.00
December	13.81	14.20	12.35	0.00	0.00	1.85	0.98	0.98	0.87	5.30	0.00
January	11.38	11.71	9.89	0.00	0.87	2.69	1.46	1.46	1.23	5.30	0.00
February	2.81	2.89	1.53	0.00	1.23	2.59	1.65	1.65	0.94	5.30	0.00
March	0.00	0.00	0.00	0.00	0.94	0.94	2.44	2.44	0.00	5.30	0.00
April	1.88	1.93	0.77	0.00	0.00	1.16	2.95	2.95	0.00	5.30	0.00
May	1.37	1.41	0.41	0.00	0.00	1.00	3.91	3.91	0.00	5.30	0.00
June	0.07	0.07	0.00	0.00	0.00	0.07	4.25	4.25	0.00	5.30	0.00
July	0.25	0.26	0.00	0.00	0.00	0.26	4.27	4.27	0.00	5.30	0.00
August	0.45	0.46	0.01	0.00	0.00	0.45	4.15	4.15	0.00	5.30	0.00
September	0.45	0.46	0.01	0.00	0.00	0.45	3.54	3.54	0.00	5.30	0.00
	35.00	36.00	26.09	72.5%						Total Mean Yield	0.000

Percolation Miramar Terrace

1956-1957 Precipitation

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.75	1.80	0.67	0.00	0.00	1.13	2.81	2.81	0.00	5.30	0.00
November	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	0.57	0.59	0.03	0.00	0.00	0.56	0.98	0.98	0.00	5.30	0.00
January	3.31	3.40	1.97	0.00	0.00	1.43	1.46	1.46	0.00	5.30	0.00
February	4.42	4.55	3.00	0.00	0.00	1.55	1.65	1.65	0.00	5.30	0.00
March	5.98	6.15	4.50	0.00	0.00	1.66	2.44	2.44	0.00	5.30	0.00
April	1.65	1.70	0.60	0.00	0.00	1.09	2.95	2.95	0.00	5.30	0.00
May	4.10	4.22	2.70	0.00	0.00	1.52	3.91	3.91	0.00	5.30	0.00
June	0.08	0.08	0.00	0.00	0.00	0.08	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.08	0.08	0.00	0.00	0.00	0.08	4.15	4.15	0.00	5.30	0.00
September	1.08	1.11	0.24	0.00	0.00	0.87	3.54	3.54	0.00	5.30	0.00
23.02		23.68	13.71	57.9%					Total Mean Yield		0.000

1957-1958

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.17	3.26	1.85	0.00	0.00	1.41	2.81	2.81	0.00	5.30	0.00
November	1.78	1.83	0.70	0.00	0.00	1.13	1.30	1.30	0.00	5.30	0.00
December	3.88	3.99	2.49	0.00	0.00	1.50	0.98	0.98	0.52	5.30	0.00
January	6.23	6.41	4.74	0.00	0.52	2.19	1.46	1.46	0.73	5.30	0.00
February	10.79	11.10	9.29	0.00	0.73	2.54	1.65	1.65	0.89	5.30	0.00
March	9.38	9.65	7.87	0.00	0.89	2.66	2.44	2.44	0.22	5.30	0.00
April	5.83	6.00	4.35	0.00	0.22	1.87	2.95	2.95	0.00	5.30	0.00
May	0.68	0.70	0.06	0.00	0.00	0.64	3.91	3.91	0.00	5.30	0.00
June	0.71	0.73	0.07	0.00	0.00	0.66	4.25	4.25	0.00	5.30	0.00
July	0.38	0.39	0.00	0.00	0.00	0.39	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.18	0.19	0.00	0.00	0.00	0.19	3.54	3.54	0.00	5.30	0.00
43.01		44.24	31.42	71.0%					Total Mean Yield		0.000

1958-1959

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.27	0.28	0.00	0.00	0.00	0.28	2.81	2.81	0.00	5.30	0.00
November	0.50	0.51	0.02	0.00	0.00	0.50	1.30	1.30	0.00	5.30	0.00
December	1.89	1.94	0.78	0.00	0.00	1.17	0.98	0.98	0.19	5.30	0.00
January	5.07	5.21	3.61	0.00	0.19	1.79	1.46	1.46	0.33	5.30	0.00
February	5.64	5.80	4.18	0.00	0.33	1.96	1.65	1.65	0.31	5.30	0.00
March	0.64	0.66	0.05	0.00	0.31	0.92	2.44	2.44	0.00	5.30	0.00
April	0.42	0.43	0.00	0.00	0.00	0.43	2.95	2.95	0.00	5.30	0.00
May	0.36	0.37	0.00	0.00	0.00	0.37	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.21	0.22	0.00	0.00	0.00	0.22	4.15	4.15	0.00	5.30	0.00
September	3.66	3.76	2.29	0.00	0.00	1.48	3.54	3.54	0.00	5.30	0.00
18.66		19.19	10.92	56.9%					Total yield		0.000

1959-1960

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.40	0.41	0.00	0.00	0.00	0.41	2.81	2.81	0.00	5.30	0.00
November	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	1.97	2.03	0.84	0.00	0.00	1.19	0.98	0.98	0.21	5.30	0.00
January	5.29	5.44	3.83	0.00	0.21	1.82	1.46	1.46	0.36	5.30	0.00
February	4.66	4.79	3.22	0.00	0.36	1.93	1.65	1.65	0.28	5.30	0.00
March	1.90	1.95	0.79	0.00	0.28	1.45	2.44	2.44	0.00	5.30	0.00
April	1.27	1.31	0.35	0.00	0.00	0.96	2.95	2.95	0.00	5.30	0.00
May	0.71	0.73	0.07	0.00	0.00	0.66	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
16.20		16.66	9.10	54.6%					Total yield		0.000

1960-1961

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.88	0.91	0.14	0.00	0.00	0.76	2.81	2.81	0.00	5.30	0.00
November	5.12	5.27	3.66	0.00	0.00	1.60	1.30	1.30	0.30	5.30	0.00
December	1.70	1.75	0.64	0.00	0.30	1.41	0.98	0.98	0.43	5.30	0.00
January	2.98	3.07	1.68	0.00	0.43	1.82	1.46	1.46	0.36	5.30	0.00
February	1.89	1.94	0.78	0.00	0.36	1.53	1.65	1.65	0.00	5.30	0.00
March	3.25	3.34	1.92	0.00	0.00	1.43	2.44	2.44	0.00	5.30	0.00
April	1.06	1.09	0.23	0.00	0.00	0.86	2.95	2.95	0.00	5.30	0.00
May	1.73	1.78	0.66	0.00	0.00	1.12	3.91	3.91	0.00	5.30	0.00
June	0.22	0.23	0.00	0.00	0.00	0.23	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.10	0.10	0.00	0.00	0.00	0.10	4.15	4.15	0.00	5.30	0.00
September	0.57	0.59	0.03	0.00	0.00	0.56	3.54	3.54	0.00	5.30	0.00
19.50		20.06	9.74	48.5%					Total yield		0.000

Percolation Miramar Terrace

1961-1962

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.12	0.12	0.00	0.00	0.00	0.12	2.81	2.81	0.00	5.30	0.00
November	3.66	3.76	2.29	0.00	0.00	1.48	1.30	1.30	0.18	5.30	0.00
December	3.18	3.27	1.85	0.00	0.18	1.59	0.98	0.98	0.61	5.30	0.00
January	2.09	2.15	0.93	0.00	0.61	1.83	1.46	1.46	0.37	5.30	0.00
February	8.64	8.89	7.13	0.00	0.37	2.13	1.65	1.65	0.48	5.30	0.00
March	3.52	3.62	2.16	0.00	0.48	1.94	2.44	2.44	0.00	5.30	0.00
April	0.82	0.84	0.12	0.00	0.00	0.73	2.95	2.95	0.00	5.30	0.00
May	0.24	0.25	0.00	0.00	0.00	0.25	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.29	0.30	0.00	0.00	0.00	0.30	4.15	4.15	0.00	5.30	0.00
September	0.51	0.52	0.02	0.00	0.00	0.51	3.54	3.54	0.00	5.30	0.00
	23.07	23.73	14.50	61.1%						Total Mean Yield	0.000

1962-1963

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	10.97	11.28	9.47	0.00	0.00	1.81	2.81	2.81	0.00	5.30	0.00
November	0.60	0.62	0.04	0.00	0.00	0.58	1.30	1.30	0.00	5.30	0.00
December	3.57	3.67	2.21	0.00	0.00	1.47	0.98	0.98	0.49	5.30	0.00
January	3.44	3.54	2.09	0.00	0.49	1.94	1.46	1.46	0.48	5.30	0.00
February	3.65	3.75	2.28	0.00	0.48	1.95	1.65	1.65	0.30	5.30	0.00
March	4.33	4.45	2.91	0.00	0.30	1.84	2.44	2.44	0.00	5.30	0.00
April	5.08	5.23	3.62	0.00	0.00	1.60	2.95	2.95	0.00	5.30	0.00
May	0.64	0.66	0.05	0.00	0.00	0.61	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.03	0.03	0.00	0.00	0.00	0.03	4.15	4.15	0.00	5.30	0.00
September	0.09	0.09	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00
	32.40	33.33	22.67	68.0%						Total Mean Yield	0.000

1963-1964

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.48	2.55	1.25	0.00	0.00	1.30	2.81	2.81	0.00	5.30	0.00
November	4.00	4.11	2.60	0.00	0.00	1.51	1.30	1.30	0.21	5.30	0.00
December	1.04	1.07	0.22	0.00	0.21	1.06	0.98	0.98	0.08	5.30	0.00
January	5.32	5.47	3.86	0.00	0.08	1.70	1.46	1.46	0.24	5.30	0.00
February	0.52	0.53	0.02	0.00	0.24	0.75	1.65	1.65	0.00	5.30	0.00
March	2.46	2.53	1.23	0.00	0.00	1.30	2.44	2.44	0.00	5.30	0.00
April	0.23	0.24	0.00	0.00	0.00	0.24	2.95	2.95	0.00	5.30	0.00
May	0.47	0.48	0.01	0.00	0.00	0.47	3.91	3.91	0.00	5.30	0.00
June	0.58	0.60	0.03	0.00	0.00	0.56	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	17.10	17.59	9.22	52.4%						Total Mean Yield	0.000

1964-1965

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.89	1.94	0.78	0.00	0.00	1.17	2.81	2.81	0.00	5.30	0.00
November	3.11	3.20	1.79	0.00	0.00	1.41	1.30	1.30	0.11	5.30	0.00
December	7.50	7.71	5.99	0.00	0.11	1.83	0.98	0.98	0.85	5.30	0.00
January	4.41	4.54	2.99	0.00	0.85	2.40	1.46	1.46	0.94	5.30	0.00
February	1.40	1.44	0.43	0.00	0.94	1.95	1.65	1.65	0.30	5.30	0.00
March	1.58	1.63	0.55	0.00	0.30	1.37	2.44	2.44	0.00	5.30	0.00
April	5.22	5.37	3.76	0.00	0.00	1.61	2.95	2.95	0.00	5.30	0.00
May	0.00	0.00	0.00	0.00	0.00	0.00	3.91	3.91	0.00	5.30	0.00
June	0.06	0.06	0.00	0.00	0.00	0.06	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.23	0.24	0.00	0.00	0.00	0.24	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	25.40	26.13	16.29	62.4%						Total Mean Yield	0.000

1965-1966

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November	5.58	5.74	4.11	0.00	0.00	1.63	1.30	1.30	0.33	5.30	0.00
December	4.96	5.10	3.51	0.00	0.33	1.93	0.98	0.98	0.95	5.30	0.00
January	3.77	3.88	2.39	0.00	0.95	2.43	1.46	1.46	0.97	5.30	0.00
February	3.51	3.61	2.15	0.00	0.97	2.43	1.65	1.65	0.78	5.30	0.00
March	0.68	0.70	0.06	0.00	0.78	1.42	2.44	2.44	0.00	5.30	0.00
April	0.71	0.73	0.07	0.00	0.00	0.66	2.95	2.95	0.00	5.30	0.00
May	0.20	0.21	0.00	0.00	0.00	0.21	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.12	0.12	0.00	0.00	0.00	0.12	4.27	4.27	0.00	5.30	0.00
August	0.27	0.28	0.00	0.00	0.00	0.28	4.15	4.15	0.00	5.30	0.00
September	0.25	0.26	0.00	0.00	0.00	0.26	3.54	3.54	0.00	5.30	0.00
	20.05	20.62	12.29	59.6%						Total Mean Yield	0.000

Percolation Miramar Terrace

1966-1967

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November	5.18	5.33	3.72	0.00	0.00	1.61	1.30	1.30	0.31	5.30	0.00
December	3.62	3.72	2.25	0.00	0.31	1.78	0.98	0.98	0.80	5.30	0.00
January	10.44	10.74	8.94	0.00	0.80	2.60	1.46	1.46	1.14	5.30	0.00
February	0.25	0.26	0.00	0.00	1.14	1.40	1.65	1.65	0.00	5.30	0.00
March	6.18	6.36	4.69	0.00	0.00	1.67	2.44	2.44	0.00	5.30	0.00
April	7.43	7.64	5.92	0.00	0.00	1.72	2.95	2.95	0.00	5.30	0.00
May	0.25	0.26	0.00	0.00	0.00	0.26	3.91	3.91	0.00	5.30	0.00
June	1.44	1.48	0.46	0.00	0.00	1.02	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	34.79	35.78	25.98	72.6%						Total Mean Yield	0.000

1967-1968

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.76	0.78	0.09	0.00	0.00	0.69	2.81	2.81	0.00	5.30	0.00
November	2.13	2.19	0.96	0.00	0.00	1.23	1.30	1.30	0.00	5.30	0.00
December	2.89	2.97	1.60	0.00	0.00	1.37	0.98	0.98	0.39	5.30	0.00
January	6.19	6.37	4.70	0.00	0.39	2.06	1.46	1.46	0.60	5.30	0.00
February	2.62	2.69	1.37	0.00	0.60	1.93	1.65	1.65	0.28	5.30	0.00
March	5.78	5.95	4.30	0.00	0.28	1.92	2.44	2.44	0.00	5.30	0.00
April	0.61	0.63	0.04	0.00	0.00	0.59	2.95	2.95	0.00	5.30	0.00
May	0.24	0.25	0.00	0.00	0.00	0.25	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.28	0.29	0.00	0.00	0.00	0.29	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	21.50	22.11	13.07	59.1%						Total Mean Yield	0.000

1968-1969

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.65	0.67	0.05	0.00	0.00	0.62	2.81	2.81	0.00	5.30	0.00
November	2.69	2.77	1.43	0.00	0.00	1.34	1.30	1.30	0.04	5.30	0.00
December	5.90	6.07	4.42	0.00	0.04	1.69	0.98	0.98	0.71	5.30	0.00
January	8.06	8.29	6.55	0.00	0.71	2.45	1.46	1.46	0.99	5.30	0.00
February	8.68	8.93	7.17	0.00	0.99	2.75	1.65	1.65	1.10	5.30	0.00
March	2.07	2.13	0.92	0.00	1.10	2.31	2.44	2.44	0.00	5.30	0.00
April	2.76	2.84	1.49	0.00	0.00	1.35	2.95	2.95	0.00	5.30	0.00
May	0.06	0.06	0.00	0.00	0.00	0.06	3.91	3.91	0.00	5.30	0.00
June	0.40	0.41	0.00	0.00	0.00	0.41	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.21	0.22	0.00	0.00	0.00	0.22	3.54	3.54	0.00	5.30	0.00
	31.48	32.38	22.02	68.0%						Total Mean Yield	0.000

1969-1970

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.73	1.78	0.66	0.00	0.00	1.12	2.81	2.81	0.00	5.30	0.00
November	0.76	0.78	0.09	0.00	0.00	0.69	1.30	1.30	0.00	5.30	0.00
December	4.55	4.68	3.12	0.00	0.00	1.56	0.98	0.98	0.58	5.30	0.00
January	8.49	8.73	6.98	0.00	0.58	2.34	1.46	1.46	0.88	5.30	0.00
February	2.31	2.38	1.11	0.00	0.88	2.14	1.65	1.65	0.49	5.30	0.00
March	2.04	2.10	0.89	0.00	0.49	1.70	2.44	2.44	0.00	5.30	0.00
April	0.32	0.33	0.00	0.00	0.00	0.33	2.95	2.95	0.00	5.30	0.00
May	0.27	0.28	0.00	0.00	0.00	0.28	3.91	3.91	0.00	5.30	0.00
June	0.21	0.22	0.00	0.00	0.00	0.22	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	20.68	21.27	12.85	60.4%						Total Mean Yield	0.000

1970-1971

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.90	0.93	0.15	0.00	0.00	0.78	2.81	2.81	0.00	5.30	0.00
November	8.41	8.65	6.90	0.00	0.00	1.75	1.30	1.30	0.45	5.30	0.00
December	7.67	7.89	6.16	0.00	0.45	2.18	0.98	0.98	1.20	5.30	0.00
January	1.61	1.66	0.57	0.00	1.20	2.28	1.46	1.46	0.82	5.30	0.00
February	0.76	0.78	0.09	0.00	0.82	1.51	1.65	1.65	0.00	5.30	0.00
March	3.49	3.59	2.13	0.00	0.00	1.46	2.44	2.44	0.00	5.30	0.00
April	1.51	1.55	0.51	0.00	0.00	1.05	2.95	2.95	0.00	5.30	0.00
May	0.53	0.55	0.02	0.00	0.00	0.52	3.91	3.91	0.00	5.30	0.00
June	0.08	0.08	0.00	0.00	0.00	0.08	4.25	4.25	0.00	5.30	0.00
July	0.28	0.29	0.00	0.00	0.00	0.29	4.27	4.27	0.00	5.30	0.00
August	0.36	0.37	0.00	0.00	0.00	0.37	4.15	4.15	0.00	5.30	0.00
September	0.40	0.41	0.00	0.00	0.00	0.41	3.54	3.54	0.00	5.30	0.00
	26.00	26.74	16.54	61.8%						Total Mean Yield	0.000

Percolation Miramar Terrace

1971-1972											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	0.24	2.81	2.81	0.00	5.30	0.00
October	0.23	0.24	0.00	0.00	0.00	1.26	1.30	1.30	0.00	5.30	0.00
November	2.29	2.36	1.09	0.00	0.00	1.60	0.98	0.98	0.62	5.30	0.00
December	5.10	5.25	3.64	0.00	0.62	1.58	1.46	1.46	0.12	5.30	0.00
January	1.27	1.31	0.35	0.00	0.12	1.10	1.65	1.65	0.00	5.30	0.00
February	1.33	1.37	0.39	0.00	0.00	0.20	2.44	2.44	0.00	5.30	0.00
March	0.19	0.20	0.00	0.00	0.00	0.95	2.95	2.95	0.00	5.30	0.00
April	1.25	1.29	0.34	0.00	0.00	0.11	3.91	3.91	0.00	5.30	0.00
May	0.11	0.11	0.00	0.00	0.00	0.29	4.25	4.25	0.00	5.30	0.00
June	0.28	0.29	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.82	3.54	3.54	0.00	5.30	0.00
September	0.98	1.01	0.19	0.00	0.00						
Total Mean Yield											0.000
13.03 13.40 6.00 44.8%											

1972-1973											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	1.70	2.81	2.81	0.00	5.30	0.00
October	6.90	7.10	5.40	0.00	0.00	1.68	1.30	1.30	0.38	5.30	0.00
November	6.49	6.68	5.00	0.00	0.38	1.79	0.98	0.98	0.81	5.30	0.00
December	3.17	3.26	1.85	0.00	0.81	2.58	1.46	1.46	1.12	5.30	0.00
January	8.78	9.03	7.27	0.00	1.12	2.83	1.65	1.65	0.00	5.30	0.00
February	7.33	7.54	5.82	0.00	1.18	1.18	2.44	2.44	0.00	5.30	0.00
March		0.00	0.00	0.00	0.00	0.24	2.95	2.95	0.00	5.30	0.00
April	0.23	0.24	0.00	0.00	0.00	0.22	3.91	3.91	0.00	5.30	0.00
May	0.21	0.22	0.00	0.00	0.00	0.05	4.25	4.25	0.00	5.30	0.00
June	0.05	0.05	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.09	4.15	4.15	0.00	5.30	0.00
August	0.09	0.09	0.00	0.00	0.00	0.59	3.54	3.54	0.00	5.30	0.00
September	0.62	0.64	0.04	0.00	0.00						
Total yield											0.000
33.87 34.84 25.38 72.8%											

1973-1974											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	1.40	2.81	2.81	0.00	5.30	0.00
October	3.04	3.13	1.73	0.00	0.00	1.78	1.30	1.30	0.48	5.30	0.00
November	9.50	9.77	7.99	0.00	0.48	2.15	0.98	0.98	1.17	5.30	0.00
December	6.32	6.50	4.83	0.00	1.17	2.76	1.46	1.46	1.30	5.30	0.00
January	4.87	5.01	3.42	0.00	1.30	2.53	1.65	1.65	0.88	5.30	0.00
February	2.16	2.22	0.99	0.00	0.88	2.59	2.44	2.44	0.15	5.30	0.00
March	7.20	7.41	5.70	0.00	0.15	1.57	2.95	2.95	0.00	5.30	0.00
April	3.22	3.31	1.89	0.00	0.00	0.01	3.91	3.91	0.00	5.30	0.00
May	0.01	0.01	0.00	0.00	0.00	0.50	4.25	4.25	0.00	5.30	0.00
June	0.50	0.51	0.02	0.00	0.00	0.84	4.27	4.27	0.00	5.30	0.00
July	1.01	1.04	0.20	0.00	0.00	0.13	4.15	4.15	0.00	5.30	0.00
August	0.13	0.13	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00						
Total yield											0.000
37.96 39.04 26.77 68.6%											

1974-1975											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	0.99	2.81	2.81	0.00	5.30	0.00
October	1.36	1.40	0.41	0.00	0.00	0.61	1.30	1.30	0.00	5.30	0.00
November	0.64	0.66	0.05	0.00	0.00	1.47	0.98	0.98	0.49	5.30	0.00
December	3.64	3.74	2.27	0.00	0.49	1.88	1.46	1.46	0.42	5.30	0.00
January	2.95	3.03	1.65	0.00	0.42	2.00	1.65	1.65	0.35	5.30	0.00
February	4.88	5.02	3.43	0.00	0.35	2.06	2.44	2.44	0.00	5.30	0.00
March	7.11	7.31	5.61	0.00	0.00	1.23	2.95	2.95	0.00	5.30	0.00
April	2.14	2.20	0.97	0.00	0.00	0.10	3.91	3.91	0.00	5.30	0.00
May	0.10	0.10	0.00	0.00	0.00	0.29	4.25	4.25	0.00	5.30	0.00
June	0.28	0.29	0.00	0.00	0.00	0.51	4.27	4.27	0.00	5.30	0.00
July	0.52	0.53	0.02	0.00	0.00	0.57	4.15	4.15	0.00	5.30	0.00
August	0.59	0.61	0.04	0.00	0.00	0.02	3.54	3.54	0.00	5.30	0.00
September	0.02	0.02	0.00	0.00	0.00						
Total yield											0.000
24.23 24.92 14.45 58.0%											

1975-1976											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	1.56	2.81	2.81	0.00	5.30	0.00
October	4.49	4.62	3.06	0.00	0.00	0.75	1.30	1.30	0.00	5.30	0.00
November	0.85	0.87	0.13	0.00	0.00	0.64	0.98	0.98	0.00	5.30	0.00
December	0.69	0.71	0.07	0.00	0.00	0.51	1.46	1.46	0.00	5.30	0.00
January	0.52	0.53	0.02	0.00	0.00	1.31	1.65	1.65	0.00	5.30	0.00
February	2.54	2.61	1.30	0.00	0.00	0.89	2.44	2.44	0.00	5.30	0.00
March	1.13	1.16	0.27	0.00	0.00	1.20	2.95	2.95	0.00	5.30	0.00
April	2.04	2.10	0.89	0.00	0.00	0.13	3.91	3.91	0.00	5.30	0.00
May	0.13	0.13	0.00	0.00	0.00	0.04	4.25	4.25	0.00	5.30	0.00
June	0.04	0.04	0.00	0.00	0.00	0.14	4.27	4.27	0.00	5.30	0.00
July	0.14	0.14	0.00	0.00	0.00	1.07	4.15	4.15	0.00	5.30	0.00
August	1.56	1.60	0.54	0.00	0.00	0.57	3.54	3.54	0.00	5.30	0.00
September	0.59	0.61	0.04	0.00	0.00						
Total yield											0.000
14.72 15.14 6.31 41.7%											

Percolation Miramar Terrace

1976-1977											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.30	0.31	0.00	0.00	0.00	0.31	2.81	2.81	0.00	5.30	0.00
November	1.73	1.78	0.66	0.00	0.00	1.12	1.30	1.30	0.00	5.30	0.00
December	2.41	2.48	1.19	0.00	0.00	1.29	0.98	0.98	0.31	5.30	0.00
January	2.26	2.32	1.07	0.00	0.31	1.56	1.46	1.46	0.10	5.30	0.00
February	1.31	1.35	0.37	0.00	0.10	1.08	1.65	1.65	0.00	5.30	0.00
March	3.15	3.24	1.83	0.00	0.00	1.41	2.44	2.44	0.00	5.30	0.00
April	0.20	0.21	0.00	0.00	0.00	0.21	2.95	2.95	0.00	5.30	0.00
May	1.23	1.27	0.33	0.00	0.00	0.94	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.16	0.16	0.00	0.00	0.00	0.16	4.27	4.27	0.00	5.30	0.00
August	0.27	0.28	0.00	0.00	0.00	0.28	4.15	4.15	0.00	5.30	0.00
September	1.59	1.64	0.56	0.00	0.00	1.08	3.54	3.54	0.00	5.30	0.00
Total yield											0.000
14.61		15.03		6.01		40.0%					

1977-1978											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.47	0.48	0.01	0.00	0.00	0.47	2.81	2.81	0.00	5.30	0.00
November	3.37	3.47	2.03	0.00	0.00	1.44	1.30	1.30	0.14	5.30	0.00
December	5.60	5.76	4.13	0.00	0.14	1.78	0.98	0.98	0.80	5.30	0.00
January	9.01	9.27	7.50	0.00	0.80	2.56	1.46	1.46	1.10	5.30	0.00
February	5.62	5.78	4.15	0.00	1.10	2.74	1.65	1.65	1.09	5.30	0.00
March	5.58	5.74	4.11	0.00	1.09	2.72	2.44	2.44	0.28	5.30	0.00
April	4.50	4.63	3.07	0.00	0.28	1.84	2.95	2.95	0.00	5.30	0.00
May	0.00	0.00	0.00	0.00	0.00	0.00	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total yield											0.000
34.15		35.13		24.98		71.1%					

1978-1979											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.05	0.05	0.00	0.00	0.00	0.05	2.81	2.81	0.00	5.30	0.00
November	3.04	3.13	1.73	0.00	0.00	1.40	1.30	1.30	0.10	5.30	0.00
December	0.83	0.85	0.12	0.00	0.10	0.83	0.98	0.98	0.00	5.30	0.00
January	8.11	8.34	6.60	0.00	0.00	1.74	1.46	1.46	0.28	5.30	0.00
February	6.27	6.45	4.78	0.00	0.28	1.95	1.65	1.65	0.30	5.30	0.00
March	4.83	4.97	3.38	0.00	0.30	1.89	2.44	2.44	0.00	5.30	0.00
April	0.89	0.92	0.15	0.00	0.00	0.77	2.95	2.95	0.00	5.30	0.00
May	0.85	0.87	0.13	0.00	0.00	0.75	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.29	0.30	0.00	0.00	0.00	0.30	4.27	4.27	0.00	5.30	0.00
August	0.13	0.13	0.00	0.00	0.00	0.13	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total yield											0.000
25.29		26.01		16.89		64.9%					

1979-1980											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.23	3.32	1.90	0.00	0.00	1.42	2.81	2.81	0.00	5.30	0.00
November	3.97	4.08	2.57	0.00	0.00	1.51	1.30	1.30	0.21	5.30	0.00
December	5.76	5.92	4.28	0.00	0.21	1.85	0.98	0.98	0.87	5.30	0.00
January	5.40	5.55	3.93	0.00	0.87	2.49	1.46	1.46	1.03	5.30	0.00
February	7.49	7.70	5.98	0.00	1.03	2.76	1.65	1.65	1.11	5.30	0.00
March	1.90	1.95	0.79	0.00	1.11	2.27	2.44	2.44	0.00	5.30	0.00
April	1.88	1.93	0.77	0.00	1.16	2.27	2.95	2.95	0.00	5.30	0.00
May	0.32	0.33	0.00	0.00	0.00	0.33	3.91	3.91	0.00	5.30	0.00
June	0.03	0.03	0.00	0.00	0.00	0.03	4.25	4.25	0.00	5.30	0.00
July	0.07	0.07	0.00	0.00	0.00	0.07	4.27	4.27	0.00	5.30	0.00
August	0.05	0.05	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
September	0.18	0.19	0.00	0.00	0.00	0.19	3.54	3.54	0.00	5.30	0.00
Total yield											0.000
30.28		31.15		20.23		64.9%					

1980-1981											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.18	0.19	0.00	0.00	0.00	0.19	2.81	2.81	0.00	5.30	0.00
November	0.65	0.67	0.05	0.00	0.00	0.62	1.30	1.30	0.00	5.30	0.00
December	2.44	2.51	1.22	0.00	0.00	1.29	0.98	0.98	0.31	5.30	0.00
January	7.48	7.69	5.97	0.00	0.31	2.03	1.46	1.46	0.57	5.30	0.00
February	2.42	2.49	1.20	0.00	0.57	1.86	1.65	1.65	0.21	5.30	0.00
March	4.71	4.84	3.27	0.00	0.21	1.79	2.44	2.44	0.00	5.30	0.00
April	0.24	0.25	0.00	0.00	0.00	0.25	2.95	2.95	0.00	5.30	0.00
May	0.33	0.34	0.00	0.00	0.00	0.34	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.42	0.43	0.00	0.00	0.00	0.43	4.15	4.15	0.00	5.30	0.00
September	0.37	0.38	0.00	0.00	0.00	0.38	3.54	3.54	0.00	5.30	0.00
Total yield											0.000
19.24		19.79		11.72		59.2%					

Percolation Miramar Terrace

1981-1982											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	1.51	2.81	2.81	0.00	5.30	0.00
October	3.98	4.09	2.58	0.00	0.00	1.71	1.30	1.30	0.41	5.30	0.00
November	7.08	7.28	5.58	0.00	0.41	2.06	0.98	0.98	1.08	5.30	0.00
December	6.00	6.17	4.52	0.00	1.08	2.91	1.46	1.46	1.45	5.30	0.00
January	12.01	12.35	10.52	0.00	1.45	3.05	1.65	1.65	1.40	5.30	0.00
February	5.11	5.26	3.65	0.00	1.40	3.14	2.44	2.44	0.70	5.30	0.00
March	7.91	8.14	6.40	0.00	0.70	2.30	2.95	2.95	0.00	5.30	0.00
April	5.02	5.16	3.57	0.00	0.00	0.00	3.91	3.91	0.00	5.30	0.00
May	0.00	0.00	0.00	0.00	0.00	0.43	4.25	4.25	0.00	5.30	0.00
June	0.42	0.43	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.15	4.15	4.15	0.00	5.30	0.00
August	0.15	0.15	0.00	0.00	0.00	1.12	3.54	3.54	0.00	5.30	0.00
September	1.73	1.78	0.66	0.00							
Total yield											0.000
49.41 50.82 37.48 73.8%											

1982-1983											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	1.49	2.81	2.81	0.00	5.30	0.00
October	3.82	3.93	2.44	0.00	0.00	1.70	1.30	1.30	0.40	5.30	0.00
November	7.03	7.23	5.53	0.00	0.40	2.03	0.98	0.98	1.05	5.30	0.00
December	5.41	5.56	3.94	0.00	1.05	2.81	1.46	1.46	1.35	5.30	0.00
January	8.98	9.24	7.47	0.00	1.35	3.12	1.65	1.65	1.47	5.30	0.00
February	9.14	9.40	7.63	0.00	1.47	3.32	2.44	2.44	0.88	5.30	0.00
March	13.05	13.42	11.58	0.00	0.88	2.32	2.95	2.95	0.00	5.30	0.00
April	3.33	3.43	1.99	0.00	0.00	0.77	3.91	3.91	0.00	5.30	0.00
May	0.89	0.92	0.15	0.00	0.00	0.03	4.25	4.25	0.00	5.30	0.00
June	0.03	0.03	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.14	4.15	4.15	0.00	5.30	0.00
August	0.14	0.14	0.00	0.00	0.00	0.72	3.54	3.54	0.00	5.30	0.00
September	0.80	0.82	0.11	0.00							
Total yield											0.000
52.62 54.12 40.82 75.4%											

1983-1984											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	0.89	2.81	2.81	0.00	5.30	0.00
October	1.12	1.15	0.26	0.00	0.00	1.74	1.30	1.30	0.44	5.30	0.00
November	8.07	8.30	6.56	0.00	0.44	2.22	0.98	0.98	1.24	5.30	0.00
December	9.46	9.73	7.95	0.00	1.24	1.51	1.46	1.46	0.05	5.30	0.00
January	0.26	0.27	0.00	0.00	0.05	1.28	1.65	1.65	0.00	5.30	0.00
February	2.15	2.21	0.98	0.00	0.00	1.22	2.44	2.44	0.00	5.30	0.00
March	2.12	2.18	0.96	0.00	0.00	0.88	2.95	2.95	0.00	5.30	0.00
April	1.09	1.12	0.25	0.00	0.00	0.21	3.91	3.91	0.00	5.30	0.00
May	0.20	0.21	0.00	0.00	0.00	0.46	4.25	4.25	0.00	5.30	0.00
June	0.46	0.47	0.01	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
July	0.06	0.06	0.00	0.00	0.00	0.34	4.15	4.15	0.00	5.30	0.00
August	0.33	0.34	0.00	0.00	0.00	0.19	3.54	3.54	0.00	5.30	0.00
September	0.18	0.19	0.00	0.00							
Total yield											0.000
25.50 26.23 16.97 64.7%											

1984-1985											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	1.49	2.81	2.81	0.00	5.30	0.00
October	3.81	3.92	2.43	0.00	0.00	1.79	1.30	1.30	0.49	5.30	0.00
November	9.86	10.14	8.35	0.00	0.49	1.91	0.98	0.98	0.93	5.30	0.00
December	3.20	3.29	1.87	0.00	0.93	1.77	1.46	1.46	0.31	5.30	0.00
January	1.02	1.05	0.21	0.00	0.31	1.68	1.65	1.65	0.03	5.30	0.00
February	2.90	2.98	1.61	0.00	0.03	1.63	2.44	2.44	0.00	5.30	0.00
March	5.07	5.21	3.61	0.00	0.00	1.3	2.95	2.95	0.00	5.30	0.00
April	0.13	0.13	0.00	0.00	0.00	0.33	3.91	3.91	0.00	5.30	0.00
May	0.32	0.33	0.00	0.00	0.00	0.47	4.25	4.25	0.00	5.30	0.00
June	0.47	0.48	0.01	0.00	0.00	0.32	4.27	4.27	0.00	5.30	0.00
July	0.31	0.32	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
August	0.05	0.05	0.00	0.00	0.00	0.41	3.54	3.54	0.00	5.30	0.00
September	0.40	0.41	0.00	0.00							
Total yield											0.000
27.54 28.33 18.10 63.9%											

1985-1986											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	1.05	2.81	2.81	0.00	5.30	0.00
October	1.51	1.55	0.51	0.00	0.00	1.05	1.30	1.30	0.00	5.30	0.00
November		0.00	0.00	0.00	0.00	1.42	0.98	0.98	0.44	5.30	0.00
December	3.18	3.27	1.85	0.00	0.44	2.03	1.46	1.46	0.57	5.30	0.00
January	4.98	5.12	3.53	0.00	0.57	2.39	1.65	1.65	0.74	5.30	0.00
February	11.48	11.81	9.99	0.00	0.74	2.45	2.44	2.44	0.01	5.30	0.00
March	7.12	7.32	5.62	0.00	0.01	0.51	2.95	2.95	0.00	5.30	0.00
April	0.50	0.51	0.02	0.00	0.00	0.74	3.91	3.91	0.00	5.30	0.00
May	0.84	0.86	0.12	0.00	0.00	0.09	4.25	4.25	0.00	5.30	0.00
June	0.09	0.09	0.00	0.00	0.00	0.08	4.27	4.27	0.00	5.30	0.00
July	0.08	0.08	0.00	0.00	0.00	0.26	4.15	4.15	0.00	5.30	0.00
August	0.25	0.26	0.00	0.00	0.00	1.24	3.54	3.54	0.00	5.30	0.00
September	2.20	2.26	1.02	0.00							
Total yield											0.000
32.23 33.15 22.65 68.3%											

Percolation Miramar Terrace

1986-1987											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.42	0.43	0.00	0.00	0.00	0.43	2.81	2.81	0.00	5.30	0.00
November	0.32	0.33	0.00	0.00	0.00	0.33	1.30	1.30	0.00	5.30	0.00
December	3.10	3.19	1.78	0.00	0.00	1.40	0.98	0.98	0.42	5.30	0.00
January	5.10	5.25	3.64	0.00	0.42	2.03	1.46	1.46	0.57	5.30	0.00
February	3.87	3.98	2.48	0.00	0.57	2.07	1.65	1.65	0.42	5.30	0.00
March	4.16	4.28	2.75	0.00	0.42	1.94	2.44	2.44	0.00	5.30	0.00
April	0.95	0.98	0.17	0.00	0.00	0.80	2.95	2.95	0.00	5.30	0.00
May	0.06	0.06	0.00	0.00	0.00	0.06	3.91	3.91	0.00	5.30	0.00
June	0.08	0.08	0.00	0.00	0.00	0.08	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.10	0.10	0.00	0.00	0.00	0.10	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total yield											0.000
18.16		18.68		10.84		58.0%					

1987-1988											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.13	2.19	0.96	0.00	0.00	1.23	2.81	2.81	0.00	5.30	0.00
November	2.63	2.71	1.38	0.00	0.00	1.33	1.30	1.30	0.03	5.30	0.00
December	6.03	6.20	4.54	0.00	0.03	1.69	0.98	0.98	0.71	5.30	0.00
January	4.48	4.61	3.05	0.00	0.71	2.26	1.46	1.46	0.80	5.30	0.00
February	0.58	0.60	0.03	0.00	0.80	1.37	1.65	1.65	0.00	5.30	0.00
March	0.12	0.12	0.00	0.00	0.00	0.12	2.44	2.44	0.00	5.30	0.00
April	3.04	3.13	1.73	0.00	0.00	1.40	2.95	2.95	0.00	5.30	0.00
May	0.69	0.71	0.07	0.00	0.00	0.64	3.91	3.91	0.00	5.30	0.00
June	0.29	0.30	0.00	0.00	0.00	0.30	4.25	4.25	0.00	5.30	0.00
July		0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.01	0.01	0.00	0.00	0.00	0.01	4.15	4.15	0.00	5.30	0.00
September	0.02	0.02	0.00	0.00	0.00	0.02	3.54	3.54	0.00	5.30	0.00
Total yield											0.000
20.02		20.59		11.77		57.1%					

1988-1989											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.94	0.97	0.17	0.00	0.00	0.80	2.81	2.81	0.00	5.30	0.00
November	3.55	3.65	2.19	0.00	0.00	1.46	1.30	1.30	0.16	5.30	0.00
December	5.17	5.32	3.71	0.00	0.16	1.77	0.98	0.98	0.79	5.30	0.00
January	2.01	2.07	0.87	0.00	0.79	1.99	1.46	1.46	0.53	5.30	0.00
February	1.30	1.34	0.37	0.00	0.53	1.50	1.65	1.65	0.00	5.30	0.00
March	7.95	8.18	6.44	0.00	0.00	1.74	2.44	2.44	0.00	5.30	0.00
April	1.83	1.88	0.73	0.00	0.00	1.15	2.95	2.95	0.00	5.30	0.00
May	0.31	0.32	0.00	0.00	0.00	0.32	3.91	3.91	0.00	5.30	0.00
June	0.10	0.10	0.00	0.00	0.00	0.10	4.25	4.25	0.00	5.30	0.00
July	0.13	0.13	0.00	0.00	0.00	0.13	4.27	4.27	0.00	5.30	0.00
August	0.27	0.28	0.00	0.00	0.00	0.28	4.15	4.15	0.00	5.30	0.00
September	0.95	0.98	0.17	0.00	0.00	0.80	3.54	3.54	0.00	5.30	0.00
Total yield											0.000
24.51		25.21		14.65		58.1%					

1989-1990											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.05	2.11	0.90	0.00	0.00	1.21	2.81	2.81	0.00	5.30	0.00
November	1.95	2.01	0.82	0.00	0.00	1.18	1.30	1.30	0.00	5.30	0.00
December	0.03	0.03	0.00	0.00	0.00	0.03	0.98	0.98	0.00	5.30	0.00
January	4.29	4.41	2.87	0.00	0.00	1.54	1.46	1.46	0.08	5.30	0.00
February	2.52	2.59	1.28	0.00	0.08	1.39	1.65	1.65	0.00	5.30	0.00
March	1.33	1.37	0.39	0.00	0.00	0.98	2.44	2.44	0.00	5.30	0.00
April	0.29	0.30	0.00	0.00	0.00	0.30	2.95	2.95	0.00	5.30	0.00
May	2.82	2.90	1.54	0.00	0.00	1.36	3.91	3.91	0.00	5.30	0.00
June	0.46	0.47	0.01	0.00	0.00	0.46	4.25	4.25	0.00	5.30	0.00
July	0.24	0.25	0.00	0.00	0.00	0.25	4.27	4.27	0.00	5.30	0.00
August	0.14	0.14	0.00	0.00	0.00	0.14	4.15	4.15	0.00	5.30	0.00
September	0.33	0.34	0.00	0.00	0.00	0.34	3.54	3.54	0.00	5.30	0.00
Total yield											0.000
16.45		16.92		7.82		46.2%					

1990-1991											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.55	0.57	0.03	0.00	0.00	0.54	2.81	2.81	0.00	5.30	0.00
November	0.74	0.76	0.08	0.00	0.00	0.68	1.30	1.30	0.00	5.30	0.00
December	2.58	2.65	1.33	0.00	0.00	1.32	0.98	0.98	0.34	5.30	0.00
January	0.56	0.58	0.03	0.00	0.00	0.34	0.89	0.89	0.00	5.30	0.00
February	4.19	4.31	2.78	0.00	0.00	1.53	1.65	1.65	0.00	5.30	0.00
March	8.81	9.06	7.30	0.00	0.00	1.76	2.44	2.44	0.00	5.30	0.00
April	0.90	0.93	0.15	0.00	0.00	0.78	2.95	2.95	0.00	5.30	0.00
May	0.67	0.69	0.06	0.00	0.00	0.63	3.91	3.91	0.00	5.30	0.00
June	0.32	0.33	0.00	0.00	0.00	0.33	4.25	4.25	0.00	5.30	0.00
July	0.27	0.28	0.00	0.00	0.00	0.28	4.27	4.27	0.00	5.30	0.00
August	0.92	0.95	0.16	0.00	0.00	0.79	4.15	4.15	0.00	5.30	0.00
September	0.25	0.26	0.00	0.00	0.00	0.26	3.54	3.54	0.00	5.30	0.00
Total yield											0.000
20.76		21.35		11.92		55.8%					

Percolation Miramar Terrace

1991-1992											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	1.33	2.81	2.81	0.00	5.30	0.00
October	2.63	2.71	1.38	0.00	0.00	0.84	1.30	1.30	0.00	5.30	0.00
November	1.01	1.04	0.20	0.00	0.00	1.47	0.98	0.98	0.49	5.30	0.00
December	3.60	3.70	2.23	0.00	0.00	0.49	1.91	1.46	0.45	5.30	0.00
January	3.18	3.27	1.85	0.00	0.45	2.20	1.65	1.65	0.55	5.30	0.00
February	8.70	8.95	7.19	0.00	0.55	2.01	2.44	2.44	0.00	5.30	0.00
March	3.45	3.55	2.10	0.00	0.00	0.41	2.95	2.95	0.00	5.30	0.00
April	0.40	0.41	0.00	0.00	0.00	0.06	3.91	3.91	0.00	5.30	0.00
May	0.06	0.06	0.00	0.00	0.00	0.74	4.25	4.25	0.00	5.30	0.00
June	0.84	0.86	0.12	0.00	0.00	0.02	4.27	4.27	0.00	5.30	0.00
July	0.02	0.02	0.00	0.00	0.00	0.19	4.15	4.15	0.00	5.30	0.00
August	0.18	0.19	0.00	0.00	0.00	0.12	3.54	3.54	0.00	5.30	0.00
September	0.12	0.12	0.00	0.00	0.00					5.30	0.00
Total yield											0.000
24.19		24.88	15.08	60.6%							

1992-1993											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	1.37	2.81	2.81	0.00	5.30	0.00
October	2.88	2.96	1.59	0.00	0.00	0.63	1.30	1.30	0.00	5.30	0.00
November	0.67	0.69	0.06	0.00	0.00	1.74	0.98	0.98	0.76	5.30	0.00
December	8.10	8.33	6.59	0.00	0.76	2.54	1.46	1.46	1.08	5.30	0.00
January	9.21	9.47	7.70	0.00	1.08	2.71	1.65	1.65	1.06	5.30	0.00
February	5.59	5.75	4.12	0.00	1.06	2.42	2.44	2.44	0.00	5.30	0.00
March	2.79	2.87	1.51	0.00	1.10	2.95	2.95	2.95	0.00	5.30	0.00
April	1.68	1.73	0.62	0.00	0.00	1.00	3.91	3.91	0.00	5.30	0.00
May	1.38	1.42	0.42	0.00	0.00	0.48	4.25	4.25	0.00	5.30	0.00
June	0.48	0.49	0.01	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
July	0.06	0.06	0.00	0.00	0.00	0.17	4.15	4.15	0.00	5.30	0.00
August	0.17	0.17	0.00	0.00	0.00	0.22	3.54	3.54	0.00	5.30	0.00
September	0.21	0.22	0.00	0.00	0.00					5.30	0.00
Total yield											0.000
33.22		34.17	22.63	66.2%							

1993-1994											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	0.59	2.81	2.81	0.00	5.30	0.00
October	0.62	0.64	0.04	0.00	0.00	1.06	1.30	1.30	0.00	5.30	0.00
November	1.55	1.59	0.53	0.00	0.00	1.35	0.98	0.98	0.37	5.30	0.00
December	2.77	2.85	1.50	0.00	0.37	1.70	1.46	1.46	0.24	5.30	0.00
January	2.63	2.71	1.38	0.00	0.24	1.88	1.65	1.65	0.23	5.30	0.00
February	5.61	5.77	4.14	0.00	0.23	0.92	2.44	2.44	0.00	5.30	0.00
March	0.77	0.79	0.09	0.00	0.00	1.15	2.95	2.95	0.00	5.30	0.00
April	1.85	1.90	0.75	0.00	0.00	1.09	3.91	3.91	0.00	5.30	0.00
May	1.64	1.69	0.60	0.00	0.00	0.11	4.25	4.25	0.00	5.30	0.00
June	0.11	0.11	0.00	0.00	0.00	0.13	4.27	4.27	0.00	5.30	0.00
July	0.13	0.13	0.00	0.00	0.00	0.17	4.15	4.15	0.00	5.30	0.00
August	0.17	0.17	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00
September	0.09	0.09	0.00	0.00	0.00					5.30	0.00
Total yield											0.000
17.94		18.45	9.02	48.9%							

1994-1995											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	0.08	2.81	2.81	0.00	5.30	0.00
October	0.08	0.08	0.00	0.00	0.00	1.62	1.30	1.30	0.32	5.30	0.00
November	5.34	5.49	3.87	0.00	0.00	1.82	0.98	0.98	0.84	5.30	0.00
December	3.93	4.04	2.54	0.00	0.32	2.66	1.46	1.46	1.20	5.30	0.00
January	11.38	11.71	9.89	0.00	0.84	2.66	1.65	1.65	0.00	5.30	0.00
February	0.26	0.27	0.00	0.00	1.20	1.47	2.44	2.44	0.00	5.30	0.00
March	8.71	8.96	7.20	0.00	0.00	1.76	2.44	2.44	0.00	5.30	0.00
April	2.35	2.42	1.14	0.00	0.00	1.27	2.95	2.95	0.00	5.30	0.00
May	1.54	1.58	0.53	0.00	0.00	1.06	3.91	3.91	0.00	5.30	0.00
June	0.78	0.80	0.10	0.00	0.00	0.70	4.25	4.25	0.00	5.30	0.00
July	0.05	0.05	0.00	0.00	0.00	0.05	4.27	4.27	0.00	5.30	0.00
August	0.05	0.05	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
September	0.15	0.15	0.00	0.00	0.00	0.15	3.54	3.54	0.00	5.30	0.00
Total yield											0.000
34.62		35.61	25.26	70.9%							

1995-1996											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	0.07	2.81	2.81	0.00	5.30	0.00
October	0.07	0.07	0.00	0.00	0.00	0.31	1.30	1.30	0.00	5.30	0.00
November	0.30	0.31	0.00	0.00	0.00	1.75	0.98	0.98	0.77	5.30	0.00
December	8.25	8.49	6.74	0.00	0.77	2.51	1.46	1.46	1.05	5.30	0.00
January	8.27	8.51	6.76	0.00	1.05	2.76	1.65	1.65	1.11	5.30	0.00
February	7.05	7.25	5.55	0.00	1.11	2.55	2.44	2.44	0.11	5.30	0.00
March	3.34	3.44	2.00	0.00	0.11	1.29	2.95	2.95	0.00	5.30	0.00
April	1.98	2.04	0.85	0.00	0.00	1.23	3.91	3.91	0.00	5.30	0.00
May	2.16	2.22	0.99	0.00	0.00	0.13	4.25	4.25	0.00	5.30	0.00
June	0.13	0.13	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
July	0.06	0.06	0.00	0.00	0.00	0.07	4.15	4.15	0.00	5.30	0.00
August	0.07	0.07	0.00	0.00	0.00	0.21	3.54	3.54	0.00	5.30	0.00
September	0.20	0.21	0.00	0.00	0.00					5.30	0.00
Total yield											0.000
31.88		32.79	22.88	69.8%							

Percolation Miramar Terrace

1996-1997											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	1.03	2.81	2.81	0.00	5.30	0.00
October	1.47	1.51	0.48	0.00	0.00	1.34	1.30	1.30	0.04	5.30	0.00
November	2.71	2.79	1.44	0.00	0.04	1.81	0.98	0.98	0.83	5.30	0.00
December	8.83	9.08	7.32	0.00	0.83	2.62	1.46	1.46	1.16	5.30	0.00
January	9.86	10.14	8.35	0.00	1.16	1.45	1.65	1.65	0.00	5.30	0.00
February	0.29	0.30	0.00	0.00	0.00	0.57	2.44	2.44	0.00	5.30	0.00
March	0.59	0.61	0.04	0.00	0.00	0.81	2.95	2.95	0.00	5.30	0.00
April	0.96	0.99	0.18	0.00	0.00	0.45	3.91	3.91	0.00	5.30	0.00
May	0.44	0.45	0.01	0.00	0.00	0.56	4.25	4.25	0.00	5.30	0.00
June	0.57	0.59	0.03	0.00	0.00	0.13	4.27	4.27	0.00	5.30	0.00
July	0.13	0.13	0.00	0.00	0.00	0.70	4.15	4.15	0.00	5.30	0.00
August	0.77	0.79	0.09	0.00	0.00	0.08	3.54	3.54	0.00	5.30	0.00
September	0.08	0.08	0.00	0.00							
Total yield											0.000
26.70											27.46
17.94											65.3%

1997-1998											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	0.70	2.81	2.81	0.00	5.30	0.00
October	0.77	0.79	0.09	0.00	0.00	1.73	1.30	1.30	0.43	5.30	0.00
November	7.84	8.06	6.33	0.00	0.43	1.91	0.98	0.98	0.93	5.30	0.00
December	3.65	3.75	2.28	0.00	0.93	2.76	1.46	1.46	1.30	5.30	0.00
January	12.13	12.48	10.65	0.00	1.30	3.17	1.65	1.65	1.52	5.30	0.00
February	15.70	16.15	14.27	0.00	1.52	2.84	2.44	2.44	0.40	5.30	0.00
March	2.58	2.65	1.33	0.00	0.40	1.75	2.95	2.95	0.00	5.30	0.00
April	2.73	2.81	1.46	0.00	0.00	1.51	3.91	3.91	0.00	5.30	0.00
May	4.01	4.12	2.61	0.00	0.00	0.31	4.25	4.25	0.00	5.30	0.00
June	0.30	0.31	0.00	0.00	0.00	0.19	4.27	4.27	0.00	5.30	0.00
July	0.18	0.19	0.00	0.00	0.00	0.06	4.15	4.15	0.00	5.30	0.00
August	0.06	0.06	0.00	0.00	0.00	0.26	3.54	3.54	0.00	5.30	0.00
September	0.25	0.26	0.00	0.00							
Total yield											0.000
50.20											51.63
39.03											75.6%

1998-1999											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	0.81	2.81	2.81	0.00	5.30	0.00
October	0.97	1.00	0.18	0.00	0.00	1.49	1.30	1.30	0.19	5.30	0.00
November	3.75	3.86	2.37	0.00	0.19	1.40	0.98	0.98	0.42	5.30	0.00
December	2.09	2.15	0.93	0.00	0.42	2.10	1.46	1.46	0.64	5.30	0.00
January	6.4	6.58	4.91	0.00	0.64	2.50	1.65	1.65	0.85	5.30	0.00
February	14	14.40	12.54	0.00	0.85	2.42	2.44	2.44	0.00	5.30	0.00
March	4.7	4.83	3.26	0.00	0.00	1.35	2.95	2.95	0.00	5.30	0.00
April	2.73	2.81	1.46	0.00	0.00	0.12	3.91	3.91	0.00	5.30	0.00
May	0.12	0.12	0.00	0.00	0.00	0.46	4.25	4.25	0.00	5.30	0.00
June	0.46	0.47	0.01	0.00	0.00	0.05	4.27	4.27	0.00	5.30	0.00
July	0.05	0.05	0.00	0.00	0.00	0.35	4.15	4.15	0.00	5.30	0.00
August	0.34	0.35	0.00	0.00	0.00	0.22	3.54	3.54	0.00	5.30	0.00
September	0.21	0.22	0.00	0.00							
Total yield											0.000
35.82											36.84
25.67											69.7%

1999-2000											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	0.73	2.81	2.81	0.00	5.30	0.00
October	0.82	0.84	0.12	0.00	0.00	1.38	1.30	1.30	0.08	5.30	0.00
November	2.94	3.02	1.64	0.00	0.08	0.87	0.98	0.98	0.00	5.30	0.00
December	0.93	0.96	0.16	0.00	0.00	1.72	1.46	1.46	0.26	5.30	0.00
January	7.53	7.75	6.02	0.00	0.26	2.08	1.65	1.65	0.43	5.30	0.00
February	11.27	11.59	9.78	0.00	0.43	1.72	2.44	2.44	0.00	5.30	0.00
March	2.45	2.52	1.22	0.00	0.00	1.40	2.95	2.95	0.00	5.30	0.00
April	3.1	3.19	1.78	0.00	0.00	1.12	3.91	3.91	0.00	5.30	0.00
May	1.72	1.77	0.65	0.00	0.00	0.19	4.25	4.25	0.00	5.30	0.00
June	0.18	0.19	0.00	0.00	0.00	0.27	4.27	4.27	0.00	5.30	0.00
July	0.26	0.27	0.00	0.00	0.00	0.20	4.15	4.15	0.00	5.30	0.00
August	0.19	0.20	0.00	0.00	0.00	0.42	3.54	3.54	0.00	5.30	0.00
September	0.41	0.42	0.00	0.00							
Total yield											0.000
31.80											32.71
21.39											65.4%

2000-2001											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	1.48	2.81	2.81	0.00	5.30	0.00
October	3.74	3.85	2.36	0.00	0.00	0.97	1.30	1.30	0.00	5.30	0.00
November	1.3	1.34	0.37	0.00	0.00	0.64	0.98	0.98	0.00	5.30	0.00
December	0.69	0.71	0.07	0.00	0.00	1.84	1.46	1.46	0.18	5.30	0.00
January	5.75	5.91	4.27	0.00	0.18	1.86	1.65	1.65	0.21	5.30	0.00
February	6.44	6.62	4.95	0.00	0.21	1.31	2.44	2.44	0.00	5.30	0.00
March	1.67	1.72	0.62	0.00	0.00	1.24	2.95	2.95	0.00	5.30	0.00
April	2.19	2.25	1.01	0.00	0.00	0.02	3.91	3.91	0.00	5.30	0.00
May	0.02	0.02	0.00	0.00	0.00	0.12	4.25	4.25	0.00	5.30	0.00
June	0.12	0.12	0.00	0.00	0.00	0.29	4.27	4.27	0.00	5.30	0.00
July	0.28	0.29	0.00	0.00	0.00	0.40	4.15	4.15	0.00	5.30	0.00
August	0.39	0.40	0.00	0.00	0.00	0.27	3.54	3.54	0.00	5.30	0.00
September	0.26	0.27	0.00	0.00							
Total yield											0.000
22.85											23.50
13.65											58.1%

Percolation Miramar Terrace

Adjusted San Gregorio data

2001-2002											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.47	0.48	0.01	0.00	0.00	0.47	2.81	2.81	0.00	5.30	0.00
November	6.69	6.88	5.19	0.00	0.00	1.69	1.30	1.30	0.39	5.30	0.00
December	9.26	9.52	7.75	0.00	0.39	2.16	0.98	0.98	1.18	5.30	0.00
January	2.55	2.62	1.31	0.00	1.18	2.50	1.46	1.46	1.04	5.30	0.00
February	2.13	2.19	0.96	0.00	1.04	2.26	1.65	1.65	0.61	5.30	0.00
March	2.54	2.61	1.30	0.00	0.61	1.93	2.44	2.44	0.00	5.30	0.00
April	0.68	0.70	0.06	0.00	0.00	0.64	2.95	2.95	0.00	5.30	0.00
May	0.88	0.91	0.14	0.00	0.00	0.76	3.91	3.91	0.00	5.30	0.00
June	0.23	0.24	0.00	0.00	0.00	0.24	4.25	4.25	0.00	5.30	0.00
July	0.18	0.19	0.00	0.00	0.00	0.19	4.27	4.27	0.00	5.30	0.00
August	0.08	0.08	0.00	0.00	0.00	0.08	4.15	4.15	0.00	5.30	0.00
September	0.17	0.17	0.00	0.00	0.00	0.17	3.54	3.54	0.00	5.30	0.00
Total yield											0.000
25.86		26.60		16.73		62.9%					

Estimate for missing data in red based on San Gregorio data for same period

2002-2003											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.17	0.17	0.00	0.00	0.00	0.17	2.81	2.81	0.00	5.30	0.00
November	2.7	2.78	1.44	0.00	0.00	1.34	1.30	1.30	0.04	5.30	0.00
December	9	9.28	7.49	0.00	0.04	1.81	0.98	0.98	0.83	5.30	0.00
January	1.34	1.38	0.39	0.00	0.83	1.81	1.46	1.46	0.35	5.30	0.00
February	3.46	3.56	2.11	0.00	0.35	1.81	1.65	1.65	0.16	5.30	0.00
March	1.82	1.87	0.73	0.00	0.16	1.30	2.44	2.44	0.00	5.30	0.00
April	5.51	5.67	4.04	0.00	0.00	1.63	2.95	2.95	0.00	5.30	0.00
May	0.88	0.91	0.14	0.00	0.00	0.76	3.91	3.91	0.00	5.30	0.00
June	0.18	0.19	0.00	0.00	0.00	0.19	4.25	4.25	0.00	5.30	0.00
July	0.01	0.01	0.00	0.00	0.00	0.01	4.27	4.27	0.00	5.30	0.00
August	0.04	0.04	0.00	0.00	0.00	0.04	4.15	4.15	0.00	5.30	0.00
September	0.10	0.10	0.00	0.00	0.00	0.10	3.54	3.54	0.00	5.30	0.00
Total yield											0.000
25.21		25.93		16.33		63.0%					

2003-2004											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.22	0.23	0.00	0.00	0.00	0.23	2.81	2.81	0.00	5.30	0.00
November	2.27	2.33	1.08	0.00	0.00	1.26	1.30	1.30	0.00	5.30	0.00
December	8.81	9.06	7.30	0.00	0.00	1.76	0.98	0.98	0.78	5.30	0.00
January	3.33	3.43	1.99	0.00	0.78	2.22	1.46	1.46	0.76	5.30	0.00
February	6.37	6.55	4.88	0.00	0.76	2.43	1.65	1.65	0.78	5.30	0.00
March	1.39	1.43	0.43	0.00	0.78	1.79	2.44	2.44	0.00	5.30	0.00
April	0.31	0.32	0.00	0.00	0.00	0.32	2.95	2.95	0.00	5.30	0.00
May	0.15	0.15	0.00	0.00	0.00	0.15	3.91	3.91	0.00	5.30	0.00
June	0.05	0.05	0.00	0.00	0.00	0.05	4.25	4.25	0.00	5.30	0.00
July	0.34	0.35	0.00	0.00	0.00	0.35	4.27	4.27	0.00	5.30	0.00
August	0.33	0.34	0.00	0.00	0.00	0.34	4.15	4.15	0.00	5.30	0.00
September	0.29	0.30	0.00	0.00	0.00	0.30	3.54	3.54	0.00	5.30	0.00
Total yield											0.000
23.86		24.54		15.67		63.8%					

2004-2005											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	4.6	4.73	3.17	0.00	0.00	1.57	2.81	2.81	0.00	5.30	0.00
November	1.38	1.42	0.42	0.00	0.00	1.00	1.30	1.30	0.00	5.30	0.00
December	8.66	8.91	7.15	0.00	0.00	1.76	0.98	0.98	0.78	5.30	0.00
January	6.11	6.28	4.62	0.00	0.78	2.44	1.46	1.46	0.98	5.30	0.00
February	5.28	5.43	3.82	0.00	0.98	2.59	1.65	1.65	0.94	5.30	0.00
March	5.52	5.68	4.05	0.00	0.94	2.57	2.44	2.44	0.13	5.30	0.00
April	1.69	1.74	0.63	0.00	0.13	1.24	2.95	2.95	0.00	5.30	0.00
May	2.32	2.39	1.12	0.00	0.00	1.27	3.91	3.91	0.00	5.30	0.00
June	1.31	1.35	0.37	0.00	0.00	0.97	4.25	4.25	0.00	5.30	0.00
July		0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August		0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September		0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total yield											0.000
36.87		37.92		25.35		66.8%					

Airport Subbasin Backup Data

(Airport summary spreadsheet is not included due to lack of sufficient data to confirm analysis)

Percolation for Airport Terrace

Percolation Estimates for Airport Terrace
1950-2005

Averages			
Years used in ave	55		
Precipitation	27.047		
Adj. Precipitation	25.909		
Runoff	8.254	32%	
Irrigation			0%
Evapotranspiration	16.855		65%
Percolation	1.648		6%

Crop Coeff.	
October	1
November	1
December	1
January	1
February	1
March	1
April	1
May	1
June	1
July	1
August	1
September	1

Soil Water Holding Capacity- (mean value)	5.3
Land Use	S
Contoured Row Crops Range	
Farmsteads	
Fallow Row	
S=	5.5
Adj. Precip. Facto	0.957931
Irrigation efficienc	1

1947-1948	Monthly Input	SCS equation							Available to Recharge		
	in.	in.	in.	(input or calc.) in.	(Initial -0) in.	calc in.	input in.	calc in.	calc in.	in.	in.
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October		0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November		0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December		0.00	0.00	0.00	0.00	0.00	0.98	0.98	0.00	5.30	0.00
January		0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.00	5.30	0.00
February		0.00	0.00	0.00	0.00	0.00	1.65	1.65	0.00	5.30	0.00
March		0.00	0.00	0.00	0.00	0.00	2.44	2.44	0.00	5.30	0.00
April		0.00	0.00	0.00	0.00	0.00	2.95	2.95	0.00	5.30	0.00
May		0.00	0.00	0.00	0.00	0.00	3.91	3.91	0.00	5.30	0.00
June		0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.04	0.04	0.00	0.00	0.00	0.04	3.54	3.54	0.00	5.30	0.00
Totals	0.04	0.04	0.00	0.00%						Total Mean Yield	0.000

1948-1949	Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October		0.55	0.53	0.00	0.00	0.00	0.53	2.81	2.81	0.00	5.30	0.00
November		0.66	0.63	0.00	0.00	0.00	0.63	1.30	1.30	0.00	5.30	0.00
December		4.99	4.78	1.48	0.00	0.00	3.30	0.98	0.98	2.32	5.30	0.00
January		1.73	1.66	0.05	0.00	2.32	3.93	1.46	1.46	2.47	5.30	0.00
February		3.91	3.75	0.86	0.00	2.47	5.36	1.65	1.65	3.71	5.30	0.00
March		4.96	4.75	1.46	0.00	3.71	7.00	2.44	2.44	4.56	5.30	0.00
April		0.00	0.00	0.00	0.00	4.56	4.56	2.95	2.95	1.61	5.30	0.00
May		0.41	0.39	0.00	0.00	1.61	2.00	3.91	3.91	0.00	5.30	0.00
June		0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July		0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August		0.17	0.16	0.00	0.00	0.00	0.16	4.15	4.15	0.00	5.30	0.00
September			0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
		17.38	16.65	3.84	23.1%						Total Mean Yield	0.000

1949-1950	Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October		0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November			0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December			0.00	0.00	0.00	0.00	0.00	0.98	0.98	0.00	5.30	0.00
January			0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.00	5.30	0.00
February		2.24	2.15	0.17	0.00	0.00	1.98	1.65	1.65	0.33	5.30	0.00
March		1.34	1.28	0.01	0.00	0.33	1.61	2.44	2.44	0.00	5.30	0.00
April		2.12	2.03	0.13	0.00	0.00	1.90	2.95	2.95	0.00	5.30	0.00
May		0.37	0.35	0.00	0.00	0.00	0.35	3.91	3.91	0.00	5.30	0.00
June		0.14	0.13	0.00	0.00	0.00	0.13	4.25	4.25	0.00	5.30	0.00
July		0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August		0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September		0.08	0.08	0.00	0.00	0.00	0.08	3.54	3.54	0.00	5.30	0.00
		6.29	6.03	0.31	5.1%						Total Mean Yield	0.000

1950-1951	Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October		1.95	1.87	0.09	0.00	0.00	1.77	2.81	2.81	0.00	5.30	0.00
November		5.46	5.23	1.77	0.00	0.00	3.46	1.30	1.30	2.16	5.30	0.00
December		6.01	5.78	2.14	0.00	2.16	5.78	0.98	0.98	4.80	5.30	0.00
January		5.11	4.90	1.55	0.00	4.80	8.15	1.46	1.46	6.69	5.30	1.39
February		2.98	2.85	0.42	0.00	5.30	7.73	1.65	1.65	6.08	5.30	0.78
March		2.84	2.72	0.37	0.00	5.30	7.65	2.44	2.44	5.21	5.30	0.00
April		0.91	0.87	0.00	0.00	5.21	6.08	2.95	2.95	3.13	5.30	0.00
May		0.98	0.94	0.00	0.00	3.13	4.07	3.91	3.91	0.16	5.30	0.00
June		0.17	0.16	0.00	0.00	0.16	0.33	4.25	4.25	0.00	5.30	0.00
July		0.12	0.11	0.00	0.00	0.00	0.11	4.27	4.27	0.00	5.30	0.00
August		0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September		0.28	0.27	0.00	0.00	0.00	0.27	3.54	3.54	0.00	5.30	0.00
		26.81	25.68	6.34	24.7%						Total Mean Yield	2.167

Percolation for Airport Terrace

1951-1952

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.16	1.11	0.00	0.00	0.00	1.11	2.81	2.81	0.00	5.30	0.00
November	4.15	3.98	0.99	0.00	0.00	2.99	1.30	1.30	1.69	5.30	0.00
December	11.30	10.82	6.21	0.00	1.69	6.30	0.98	0.98	5.32	5.30	0.02
January	9.31	8.92	4.59	0.00	5.30	9.63	1.46	1.46	8.17	5.30	2.87
February	2.20	2.11	0.16	0.00	5.30	7.25	1.65	1.65	5.60	5.30	0.30
March	6.21	5.95	2.27	0.00	5.30	8.98	2.44	2.44	6.54	5.30	1.24
April	0.62	0.59	0.00	0.00	5.30	5.89	2.95	2.95	2.94	5.30	0.00
May	0.45	0.43	0.00	0.00	2.94	3.37	3.91	3.91	0.00	5.30	0.00
June	1.14	1.09	0.00	0.00	0.00	1.09	4.25	4.25	0.00	5.30	0.00
July	0.03	0.03	0.00	0.00	0.00	0.03	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.15	0.14	0.00	0.00	0.00	0.14	3.54	3.54	0.00	5.30	0.00
	36.72	35.18	14.22	40.4%						Total Mean Yield	4.428

1952-1953

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.27	0.26	0.00	0.00	0.00	0.26	2.81	2.81	0.00	5.30	0.00
November	2.66	2.55	0.30	0.00	0.00	2.25	1.30	1.30	0.95	5.30	0.00
December	11.36	10.88	6.26	0.00	0.95	5.57	0.98	0.98	4.59	5.30	0.00
January	4.55	4.36	1.21	0.00	4.59	7.73	1.46	1.46	6.27	5.30	0.97
February	0.00	0.00	0.00	0.00	5.30	5.30	1.65	1.65	3.65	5.30	0.00
March	0.00	0.00	0.00	0.00	3.65	3.65	2.44	2.44	1.21	5.30	0.00
April	3.17	3.04	0.50	0.00	1.21	3.74	2.95	2.95	0.79	5.30	0.00
May	0.60	0.57	0.00	0.00	0.79	1.37	3.91	3.91	0.00	5.30	0.00
June	0.56	0.54	0.00	0.00	0.00	0.54	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.53	0.51	0.00	0.00	0.00	0.51	4.15	4.15	0.00	5.30	0.00
September	0.12	0.11	0.00	0.00	0.00	0.11	3.54	3.54	0.00	5.30	0.00
	23.82	22.82	8.28	36.3%						Total Mean Yield	0.973

1953-1954

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.67	0.64	0.00	0.00	0.00	0.64	2.81	2.81	0.00	5.30	0.00
November	3.33	3.19	0.58	0.00	0.00	2.61	1.30	1.30	1.31	5.30	0.00
December	1.04	1.00	0.00	0.00	1.31	2.31	0.98	0.98	1.33	5.30	0.00
January	4.18	4.00	1.00	0.00	1.33	4.33	1.46	1.46	2.87	5.30	0.00
February	2.58	2.47	0.27	0.00	2.87	5.07	1.65	1.65	3.42	5.30	0.00
March	5.03	4.82	1.50	0.00	3.42	6.74	2.44	2.44	4.30	5.30	0.00
April	1.49	1.43	0.02	0.00	4.30	5.71	2.95	2.95	2.76	5.30	0.00
May	0.06	0.06	0.00	0.00	2.76	2.81	3.91	3.91	0.00	5.30	0.00
June	0.64	0.61	0.00	0.00	0.00	0.61	4.25	4.25	0.00	5.30	0.00
July	0.10	0.10	0.00	0.00	0.00	0.10	4.27	4.27	0.00	5.30	0.00
August	0.55	0.53	0.00	0.00	0.00	0.53	4.15	4.15	0.00	5.30	0.00
September	0.08	0.08	0.00	0.00	0.00	0.08	3.54	3.54	0.00	5.30	0.00
	19.75	18.92	3.37	17.8%						Total Mean Yield	0.000

1954-1955

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.23	0.22	0.00	0.00	0.00	0.22	2.81	2.81	0.00	5.30	0.00
November	1.96	1.88	0.10	0.00	0.00	1.78	1.30	1.30	0.48	5.30	0.00
December	4.53	4.34	1.20	0.00	0.48	3.62	0.98	0.98	2.64	5.30	0.00
January	5.06	4.85	1.52	0.00	2.64	5.97	1.46	1.46	4.51	5.30	0.00
February	1.37	1.31	0.01	0.00	4.51	5.81	1.65	1.65	4.16	5.30	0.00
March	0.28	0.27	0.00	0.00	4.16	4.43	2.44	2.44	1.99	5.30	0.00
April	2.60	2.49	0.28	0.00	1.99	4.20	2.95	2.95	1.25	5.30	0.00
May	0.36	0.34	0.00	0.00	1.25	1.60	3.91	3.91	0.00	5.30	0.00
June	0.07	0.07	0.00	0.00	0.00	0.07	4.25	4.25	0.00	5.30	0.00
July	0.17	0.16	0.00	0.00	0.00	0.16	4.27	4.27	0.00	5.30	0.00
August	0.12	0.11	0.00	0.00	0.00	0.11	4.15	4.15	0.00	5.30	0.00
September	0.28	0.27	0.00	0.00	0.00	0.27	3.54	3.54	0.00	5.30	0.00
	17.03	16.31	3.10	19.0%						Total Mean Yield	0.000

1955-1956

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.21	0.20	0.00	0.00	0.00	0.20	2.81	2.81	0.00	5.30	0.00
November	2.32	2.22	0.19	0.00	0.00	2.03	1.30	1.30	0.73	5.30	0.00
December	13.81	13.23	8.34	0.00	0.73	5.62	0.98	0.98	4.64	5.30	0.00
January	11.38	10.90	6.28	0.00	4.64	9.26	1.46	1.46	7.80	5.30	2.50
February	2.81	2.69	0.36	0.00	5.30	7.63	1.65	1.65	5.98	5.30	0.68
March	0.00	0.00	0.00	0.00	5.30	5.30	2.44	2.44	2.86	5.30	0.00
April	1.88	1.80	0.08	0.00	2.86	4.58	2.95	2.95	1.63	5.30	0.00
May	1.37	1.31	0.01	0.00	1.63	2.94	3.91	3.91	0.00	5.30	0.00
June	0.07	0.07	0.00	0.00	0.00	0.07	4.25	4.25	0.00	5.30	0.00
July	0.25	0.24	0.00	0.00	0.00	0.24	4.27	4.27	0.00	5.30	0.00
August	0.45	0.43	0.00	0.00	0.00	0.43	4.15	4.15	0.00	5.30	0.00
September	0.45	0.43	0.00	0.00	0.00	0.43	3.54	3.54	0.00	5.30	0.00
	35.00	33.53	15.26	45.5%						Total Mean Yield	3.184

Percolation for Airport Terrace

1956-1957 Precipitation											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.75	1.68	0.05	0.00	0.00	1.62	2.81	2.81	0.00	5.30	0.00
November	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	0.57	0.55	0.00	0.00	0.00	0.55	0.98	0.98	0.00	5.30	0.00
January	3.31	3.17	0.57	0.00	0.00	2.60	1.46	1.46	1.14	5.30	0.00
February	4.42	4.23	1.14	0.00	1.14	4.24	1.65	1.65	2.59	5.30	0.00
March	5.98	5.73	2.12	0.00	2.59	6.20	2.44	2.44	3.76	5.30	0.00
April	1.65	1.58	0.04	0.00	3.76	5.31	2.95	2.95	2.36	5.30	0.00
May	4.10	3.93	0.96	0.00	2.36	5.32	3.91	3.91	1.41	5.30	0.00
June	0.08	0.08	0.00	0.00	1.41	1.49	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.08	0.08	0.00	0.00	0.00	0.08	4.15	4.15	0.00	5.30	0.00
September	1.08	1.03	0.00	0.00	0.00	1.03	3.54	3.54	0.00	5.30	0.00
										Total Mean Yield	0.000

23.02 22.05 4.87 22.1%

1957-1958											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.17	3.04	0.50	0.00	0.00	2.53	2.81	2.81	0.00	5.30	0.00
November	1.78	1.71	0.06	0.00	0.00	1.65	1.30	1.30	0.35	5.30	0.00
December	3.88	3.72	0.84	0.00	0.35	3.22	0.98	0.98	2.24	5.30	0.00
January	6.23	5.97	2.29	0.00	2.24	5.92	1.46	1.46	4.46	5.30	0.00
February	10.79	10.34	5.79	0.00	4.46	9.01	1.65	1.65	7.36	5.30	2.06
March	9.38	8.99	4.65	0.00	5.30	9.64	2.44	2.44	7.20	5.30	1.90
April	5.83	5.58	2.01	0.00	5.30	8.87	2.95	2.95	5.92	5.30	0.62
May	0.68	0.65	0.00	0.00	5.30	5.95	3.91	3.91	2.04	5.30	0.00
June	0.71	0.68	0.00	0.00	2.04	2.72	4.25	4.25	0.00	5.30	0.00
July	0.38	0.36	0.00	0.00	0.00	0.36	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.18	0.17	0.00	0.00	0.00	0.17	3.54	3.54	0.00	5.30	0.00
										Total Mean Yield	4.578

43.01 41.20 16.14 39.2%

1958-1959											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.27	0.26	0.00	0.00	0.00	0.26	2.81	2.81	0.00	5.30	0.00
November	0.50	0.48	0.00	0.00	0.00	0.48	1.30	1.30	0.00	5.30	0.00
December	1.89	1.81	0.08	0.00	0.00	1.73	0.98	0.98	0.75	5.30	0.00
January	5.07	4.86	1.52	0.00	0.75	4.08	1.46	1.46	2.62	5.30	0.00
February	5.64	5.40	1.89	0.00	2.62	6.14	1.65	1.65	4.49	5.30	0.00
March	0.84	0.61	0.00	0.00	4.49	5.10	2.44	2.44	2.66	5.30	0.00
April	0.42	0.40	0.00	0.00	2.66	3.06	2.95	2.95	0.11	5.30	0.00
May	0.36	0.34	0.00	0.00	0.11	0.46	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.21	0.20	0.00	0.00	0.00	0.20	4.15	4.15	0.00	5.30	0.00
September	3.66	3.51	0.73	0.00	0.00	2.77	3.54	3.54	0.00	5.30	0.00
										Total yield	0.000

18.66 17.87 4.23 23.6%

1959-1960											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.40	0.38	0.00	0.00	0.00	0.38	2.81	2.81	0.00	5.30	0.00
November	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	1.97	1.89	0.10	0.00	0.00	1.79	0.98	0.98	0.81	5.30	0.00
January	5.29	5.07	1.66	0.00	0.81	4.21	1.46	1.46	2.75	5.30	0.00
February	4.66	4.46	1.28	0.00	2.75	5.94	1.65	1.65	4.29	5.30	0.00
March	1.90	1.82	0.08	0.00	4.29	6.03	2.44	2.44	3.59	5.30	0.00
April	1.27	1.22	0.00	0.00	3.59	4.80	2.95	2.95	1.85	5.30	0.00
May	0.71	0.68	0.00	0.00	1.85	2.53	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
										Total yield	0.000

16.20 15.52 3.12 20.1%

1960-1961											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.88	0.84	0.00	0.00	0.00	0.84	2.81	2.81	0.00	5.30	0.00
November	5.12	4.90	1.56	0.00	0.00	3.35	1.30	1.30	2.05	5.30	0.00
December	1.70	1.63	0.05	0.00	2.05	3.63	0.98	0.98	2.65	5.30	0.00
January	2.98	2.85	0.42	0.00	2.65	5.08	1.46	1.46	3.62	5.30	0.00
February	1.89	1.81	0.08	0.00	3.62	5.35	1.65	1.65	3.70	5.30	0.00
March	3.25	3.11	0.54	0.00	3.70	6.27	2.44	2.44	3.83	5.30	0.00
April	1.06	1.02	0.00	0.00	3.83	4.85	2.95	2.95	1.90	5.30	0.00
May	1.73	1.66	0.05	0.00	1.90	3.51	3.91	3.91	0.00	5.30	0.00
June	0.22	0.21	0.00	0.00	0.00	0.21	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.10	0.10	0.00	0.00	0.00	0.10	4.15	4.15	0.00	5.30	0.00
September	0.57	0.55	0.00	0.00	0.00	0.55	3.54	3.54	0.00	5.30	0.00
										Total yield	0.000

19.50 18.68 2.70 14.4%

Percolation for Airport Terrace

1961-1962

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.12	0.11	0.00	0.00	0.00	0.11	2.81	2.81	0.00	5.30	0.00
November	3.66	3.51	0.73	0.00	0.00	2.77	1.30	1.30	1.47	5.30	0.00
December	3.18	3.05	0.51	0.00	1.47	4.01	0.98	0.98	3.03	5.30	0.00
January	2.09	2.00	0.13	0.00	3.03	4.91	1.46	1.46	3.45	5.30	0.00
February	8.64	8.28	4.06	0.00	3.45	7.66	1.65	1.65	6.01	5.30	0.71
March	3.52	3.37	0.66	0.00	5.30	8.01	2.44	2.44	5.57	5.30	0.27
April	0.82	0.79	0.00	0.00	5.30	6.09	2.95	2.95	3.14	5.30	0.00
May	0.24	0.23	0.00	0.00	3.14	3.37	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.29	0.28	0.00	0.00	0.00	0.28	4.15	4.15	0.00	5.30	0.00
September	0.51	0.49	0.00	0.00	0.00	0.49	3.54	3.54	0.00	5.30	0.00
	23.07	22.10	6.09	27.6%						Total Mean Yield	0.978

1962-1963

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	10.97	10.51	5.94	0.00	0.00	4.57	2.81	2.81	1.76	5.30	0.00
November	0.60	0.57	0.00	0.00	1.76	2.34	1.30	1.30	1.04	5.30	0.00
December	3.57	3.42	0.69	0.00	1.04	3.77	0.98	0.98	2.79	5.30	0.00
January	3.44	3.30	0.63	0.00	2.79	5.46	1.46	1.46	4.00	5.30	0.00
February	3.65	3.50	0.73	0.00	4.00	6.77	1.65	1.65	5.12	5.30	0.00
March	4.33	4.15	1.09	0.00	5.12	8.18	2.44	2.44	5.74	5.30	0.44
April	5.08	4.87	1.53	0.00	5.30	8.64	2.95	2.95	5.69	5.30	0.39
May	0.64	0.61	0.00	0.00	5.30	5.91	3.91	3.91	2.00	5.30	0.00
June	0.00	0.00	0.00	0.00	2.00	2.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.03	0.03	0.00	0.00	0.00	0.03	4.15	4.15	0.00	5.30	0.00
September	0.09	0.09	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00
	32.40	31.04	10.60	34.1%						Total Mean Yield	0.822

1963-1964

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.48	2.38	0.24	0.00	0.00	2.14	2.81	2.81	0.00	5.30	0.00
November	4.00	3.83	0.91	0.00	0.00	2.93	1.30	1.30	1.63	5.30	0.00
December	1.04	1.00	0.00	0.00	1.63	2.62	0.98	0.98	1.64	5.30	0.00
January	5.32	5.10	1.68	0.00	1.64	5.06	1.46	1.46	3.60	5.30	0.00
February	0.52	0.50	0.00	0.00	3.60	4.09	1.65	1.65	2.44	5.30	0.00
March	2.46	2.36	0.23	0.00	2.44	4.57	2.44	2.44	2.13	5.30	0.00
April	0.23	0.22	0.00	0.00	2.13	2.35	2.95	2.95	0.00	5.30	0.00
May	0.47	0.45	0.00	0.00	0.00	0.45	3.91	3.91	0.00	5.30	0.00
June	0.58	0.56	0.00	0.00	0.00	0.56	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	17.10	16.38	3.06	18.7%						Total Mean Yield	0.000

1964-1965

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.89	1.81	0.08	0.00	0.00	1.73	2.81	2.81	0.00	5.30	0.00
November	3.11	2.98	0.48	0.00	0.00	2.50	1.30	1.30	1.20	5.30	0.00
December	7.50	7.18	3.20	0.00	1.20	5.19	0.98	0.98	4.21	5.30	0.00
January	4.41	4.22	1.13	0.00	4.21	7.30	1.46	1.46	5.84	5.30	0.54
February	1.40	1.34	0.01	0.00	5.30	6.63	1.65	1.65	4.98	5.30	0.00
March	1.58	1.51	0.03	0.00	4.98	6.47	2.44	2.44	4.03	5.30	0.00
April	5.22	5.00	1.62	0.00	4.03	7.41	2.95	2.95	4.46	5.30	0.00
May	0.00	0.00	0.00	0.00	4.46	4.46	3.91	3.91	0.55	5.30	0.00
June	0.06	0.06	0.00	0.00	0.55	0.61	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.23	0.22	0.00	0.00	0.00	0.22	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	25.40	24.33	6.54	26.9%						Total Mean Yield	0.542

1965-1966

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November	5.58	5.35	1.85	0.00	0.00	3.50	1.30	1.30	2.20	5.30	0.00
December	4.96	4.75	1.46	0.00	2.20	5.49	0.98	0.98	4.51	5.30	0.00
January	3.77	3.61	0.79	0.00	4.51	7.33	1.46	1.46	5.87	5.30	0.57
February	3.51	3.36	0.66	0.00	5.30	8.00	1.65	1.65	6.35	5.30	1.05
March	0.68	0.65	0.00	0.00	5.30	5.95	2.44	2.44	3.51	5.30	0.00
April	0.71	0.68	0.00	0.00	3.51	4.19	2.95	2.95	1.24	5.30	0.00
May	0.20	0.19	0.00	0.00	1.24	1.43	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.12	0.11	0.00	0.00	0.00	0.11	4.27	4.27	0.00	5.30	0.00
August	0.27	0.26	0.00	0.00	0.00	0.26	4.15	4.15	0.00	5.30	0.00
September	0.25	0.24	0.00	0.00	0.00	0.24	3.54	3.54	0.00	5.30	0.00
	20.05	19.21	4.75	24.7%						Total Mean Yield	1.628

Percolation for Airport Terrace

1966-1967

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November	5.18	4.96	1.59	0.00	0.00	3.37	1.30	1.30	2.07	5.30	0.00
December	3.62	3.47	0.71	0.00	2.07	4.82	0.98	0.98	3.84	5.30	0.00
January	10.44	10.00	5.50	0.00	3.84	8.34	1.46	1.46	6.88	5.30	1.58
February	0.25	0.24	0.00	0.00	5.30	5.54	1.65	1.65	3.89	5.30	0.00
March	6.18	5.92	2.25	0.00	3.89	7.56	2.44	2.44	5.12	5.30	0.00
April	7.43	7.12	3.14	0.00	5.12	9.09	2.95	2.95	6.14	5.30	0.84
May	0.25	0.24	0.00	0.00	5.30	5.54	3.91	3.91	1.63	5.30	0.00
June	1.44	1.38	0.01	0.00	1.63	3.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											2.425

34.79 33.33 13.22 39.7%

1967-1968

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.76	0.73	0.00	0.00	0.00	0.73	2.81	2.81	0.00	5.30	0.00
November	2.13	2.04	0.14	0.00	0.00	1.90	1.30	1.30	0.60	5.30	0.00
December	2.89	2.77	0.39	0.00	0.60	2.98	0.98	0.98	2.00	5.30	0.00
January	6.19	5.93	2.26	0.00	2.00	5.67	1.46	1.46	4.21	5.30	0.00
February	2.62	2.51	0.29	0.00	4.21	6.44	1.65	1.65	4.79	5.30	0.00
March	5.78	5.54	1.98	0.00	4.79	8.34	2.44	2.44	5.90	5.30	0.60
April	0.61	0.58	0.00	0.00	5.30	5.88	2.95	2.95	2.93	5.30	0.00
May	0.24	0.23	0.00	0.00	2.93	3.16	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.28	0.27	0.00	0.00	0.00	0.27	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											0.603

21.50 20.60 5.05 24.5%

1968-1969

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.65	0.62	0.00	0.00	0.00	0.62	2.81	2.81	0.00	5.30	0.00
November	2.69	2.58	0.31	0.00	0.00	2.26	1.30	1.30	0.96	5.30	0.00
December	5.90	5.65	2.06	0.00	0.96	4.55	0.98	0.98	3.57	5.30	0.00
January	8.06	7.72	3.62	0.00	3.57	7.68	1.46	1.46	6.22	5.30	0.92
February	8.68	8.31	4.09	0.00	5.30	9.52	1.65	1.65	7.87	5.30	2.57
March	2.07	1.98	0.12	0.00	5.30	7.16	2.44	2.44	4.72	5.30	0.00
April	2.76	2.64	0.34	0.00	4.72	7.03	2.95	2.95	4.08	5.30	0.00
May	0.06	0.06	0.00	0.00	4.08	4.13	3.91	3.91	0.22	5.30	0.00
June	0.40	0.38	0.00	0.00	0.22	0.61	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.21	0.20	0.00	0.00	0.00	0.20	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											3.490

31.48 30.16 10.54 35.0%

1969-1970

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.73	1.66	0.05	0.00	0.00	1.61	2.81	2.81	0.00	5.30	0.00
November	0.76	0.73	0.00	0.00	0.00	0.73	1.30	1.30	0.00	5.30	0.00
December	4.55	4.36	1.21	0.00	0.00	3.15	0.98	0.98	2.17	5.30	0.00
January	8.49	8.13	3.95	0.00	2.17	6.35	1.46	1.46	4.89	5.30	0.00
February	2.31	2.21	0.19	0.00	4.89	6.92	1.65	1.65	5.27	5.30	0.00
March	2.04	1.95	0.11	0.00	5.27	7.11	2.44	2.44	4.67	5.30	0.00
April	0.32	0.31	0.00	0.00	4.67	4.97	2.95	2.95	2.02	5.30	0.00
May	0.27	0.26	0.00	0.00	2.02	2.28	3.91	3.91	0.00	5.30	0.00
June	0.21	0.20	0.00	0.00	0.00	0.20	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											0.000

20.68 19.81 5.51 27.8%

1970-1971

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.90	0.86	0.00	0.00	0.00	0.86	2.81	2.81	0.00	5.30	0.00
November	8.41	8.06	3.88	0.00	0.00	4.17	1.30	1.30	2.87	5.30	0.00
December	7.67	7.35	3.32	0.00	2.87	6.90	0.98	0.98	5.92	5.30	0.62
January	1.61	1.54	0.03	0.00	5.30	6.81	1.46	1.46	5.35	5.30	0.05
February	0.76	0.73	0.00	0.00	5.30	6.03	1.65	1.65	4.38	5.30	0.00
March	3.49	3.34	0.65	0.00	4.38	7.07	2.44	2.44	4.63	5.30	0.00
April	1.51	1.45	0.02	0.00	4.63	6.06	2.95	2.95	3.11	5.30	0.00
May	0.53	0.51	0.00	0.00	3.11	3.62	3.91	3.91	0.00	5.30	0.00
June	0.08	0.08	0.00	0.00	0.00	0.08	4.25	4.25	0.00	5.30	0.00
July	0.28	0.27	0.00	0.00	0.00	0.27	4.27	4.27	0.00	5.30	0.00
August	0.36	0.34	0.00	0.00	0.00	0.34	4.15	4.15	0.00	5.30	0.00
September	0.40	0.38	0.00	0.00	0.00	0.38	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											0.666

26.00 24.91 7.91 31.8%

Percolation for Airport Terrace

1971-1972											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.23	0.22	0.00	0.00	0.00	0.22	2.81	2.81	0.00	5.30	0.00
November	2.29	2.19	0.18	0.00	0.00	2.01	1.30	1.30	0.71	5.30	0.00
December	5.10	4.89	1.54	0.00	0.71	4.05	0.98	0.98	3.07	5.30	0.00
January	1.27	1.22	0.00	0.00	3.07	4.29	1.46	1.46	2.83	5.30	0.00
February	1.33	1.27	0.01	0.00	2.83	4.10	1.65	1.65	2.45	5.30	0.00
March	0.19	0.18	0.00	0.00	2.45	2.63	2.44	2.44	0.19	5.30	0.00
April	1.25	1.20	0.00	0.00	0.19	1.39	2.95	2.95	0.00	5.30	0.00
May	0.11	0.11	0.00	0.00	0.00	0.11	3.91	3.91	0.00	5.30	0.00
June	0.28	0.27	0.00	0.00	0.00	0.27	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.98	0.94	0.00	0.00	0.00	0.94	3.54	3.54	0.00	5.30	0.00
										Total Mean Yield	0.000

13.03 12.48 1.73 13.9%

1972-1973											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	6.90	6.61	2.76	0.00	0.00	3.85	2.81	2.81	1.04	5.30	0.00
November	6.49	6.22	2.47	0.00	1.04	4.79	1.30	1.30	3.49	5.30	0.00
December	3.17	3.04	0.50	0.00	3.49	6.03	0.98	0.98	5.05	5.30	0.00
January	8.78	8.41	4.17	0.00	5.05	9.28	1.46	1.46	7.82	5.30	2.52
February	7.33	7.02	3.07	0.00	5.30	9.25	1.65	1.65	7.60	5.30	2.30
March	0.00	0.00	0.00	0.00	5.30	5.30	2.44	2.44	2.86	5.30	0.00
April	0.23	0.22	0.00	0.00	2.86	3.08	2.95	2.95	0.13	5.30	0.00
May	0.21	0.20	0.00	0.00	0.13	0.33	3.91	3.91	0.00	5.30	0.00
June	0.05	0.05	0.00	0.00	0.00	0.05	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.09	0.09	0.00	0.00	0.00	0.09	4.15	4.15	0.00	5.30	0.00
September	0.62	0.59	0.00	0.00	0.00	0.59	3.54	3.54	0.00	5.30	0.00
										Total yield	4.826

33.87 32.45 12.97 40.0%

1973-1974											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.04	2.91	0.45	0.00	0.00	2.46	2.81	2.81	0.00	5.30	0.00
November	9.50	9.10	4.74	0.00	0.00	4.36	1.30	1.30	3.06	5.30	0.00
December	6.32	6.05	2.35	0.00	3.06	6.77	0.98	0.98	5.79	5.30	0.49
January	4.87	4.67	1.40	0.00	5.30	8.56	1.46	1.46	7.10	5.30	1.80
February	2.16	2.07	0.15	0.00	5.30	7.22	1.65	1.65	5.57	5.30	0.27
March	7.20	6.90	2.97	0.00	5.30	9.22	2.44	2.44	6.78	5.30	1.48
April	3.22	3.08	0.53	0.00	5.30	7.86	2.95	2.95	4.91	5.30	0.00
May	0.01	0.01	0.00	0.00	4.91	4.92	3.91	3.91	1.01	5.30	0.00
June	0.50	0.48	0.00	0.00	1.01	1.49	4.25	4.25	0.00	5.30	0.00
July	1.01	0.97	0.00	0.00	0.00	0.97	4.27	4.27	0.00	5.30	0.00
August	0.13	0.12	0.00	0.00	0.00	0.12	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
										Total yield	4.045

37.96 36.36 12.59 34.6%

1974-1975											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.36	1.30	0.01	0.00	0.00	1.30	2.81	2.81	0.00	5.30	0.00
November	0.64	0.61	0.00	0.00	0.00	0.61	1.30	1.30	0.00	5.30	0.00
December	3.64	3.49	0.72	0.00	0.00	2.76	0.98	0.98	1.78	5.30	0.00
January	2.95	2.83	0.41	0.00	1.78	4.20	1.46	1.46	2.74	5.30	0.00
February	4.88	4.67	1.41	0.00	2.74	6.00	1.65	1.65	4.35	5.30	0.00
March	7.11	6.81	2.91	0.00	4.35	8.26	2.44	2.44	5.82	5.30	0.52
April	2.14	2.05	0.14	0.00	5.30	7.21	2.95	2.95	4.26	5.30	0.00
May	0.10	0.10	0.00	0.00	4.26	4.36	3.91	3.91	0.45	5.30	0.00
June	0.28	0.27	0.00	0.00	0.45	0.71	4.25	4.25	0.00	5.30	0.00
July	0.52	0.50	0.00	0.00	0.00	0.50	4.27	4.27	0.00	5.30	0.00
August	0.59	0.57	0.00	0.00	0.00	0.57	4.15	4.15	0.00	5.30	0.00
September	0.02	0.02	0.00	0.00	0.00	0.02	3.54	3.54	0.00	5.30	0.00
										Total yield	0.516

24.23 23.21 5.60 24.1%

1975-1976											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	4.49	4.30	1.18	0.00	0.00	3.12	2.81	2.81	0.31	5.30	0.00
November	0.85	0.81	0.00	0.00	0.31	1.13	1.30	1.30	0.00	5.30	0.00
December	0.69	0.66	0.00	0.00	0.00	0.66	0.98	0.98	0.00	5.30	0.00
January	0.52	0.50	0.00	0.00	0.00	0.50	1.46	1.46	0.00	5.30	0.00
February	2.54	2.43	0.26	0.00	0.00	2.17	1.65	1.65	0.52	5.30	0.00
March	1.13	1.08	0.00	0.00	0.52	1.61	2.44	2.44	0.00	5.30	0.00
April	2.04	1.95	0.11	0.00	0.00	1.84	2.95	2.95	0.00	5.30	0.00
May	0.13	0.12	0.00	0.00	0.00	0.12	3.91	3.91	0.00	5.30	0.00
June	0.04	0.04	0.00	0.00	0.00	0.04	4.25	4.25	0.00	5.30	0.00
July	0.14	0.13	0.00	0.00	0.00	0.13	4.27	4.27	0.00	5.30	0.00
August	1.56	1.49	0.03	0.00	0.00	1.47	4.15	4.15	0.00	5.30	0.00
September	0.59	0.57	0.00	0.00	0.00	0.57	3.54	3.54	0.00	5.30	0.00
										Total yield	0.000

14.72 14.10 1.58 11.2%

Percolation for Airport Terrace

1976-1977

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.30	0.29	0.00	0.00	0.00	0.29	2.81	2.81	0.00	5.30	0.00
November	1.73	1.66	0.05	0.00	0.00	1.61	1.30	1.30	0.31	5.30	0.00
December	2.41	2.31	0.22	0.00	0.31	2.40	0.98	0.98	1.42	5.30	0.00
January	2.26	2.16	0.17	0.00	1.42	3.41	1.46	1.46	1.95	5.30	0.00
February	1.31	1.25	0.00	0.00	1.95	3.20	1.65	1.65	1.55	5.30	0.00
March	3.15	3.02	0.50	0.00	1.55	4.07	2.44	2.44	1.63	5.30	0.00
April	0.20	0.19	0.00	0.00	1.63	1.82	2.95	2.95	0.00	5.30	0.00
May	1.23	1.18	0.00	0.00	0.00	1.18	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.16	0.15	0.00	0.00	0.00	0.15	4.27	4.27	0.00	5.30	0.00
August	0.27	0.26	0.00	0.00	0.00	0.26	4.15	4.15	0.00	5.30	0.00
September	1.59	1.52	0.03	0.00	0.00	1.49	3.54	3.54	0.00	5.30	0.00
	14.61	14.00	0.97	7.0%						Total yield	0.00

1977-1978

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.47	0.45	0.00	0.00	0.00	0.45	2.81	2.81	0.00	5.30	0.00
November	3.37	3.23	0.59	0.00	0.00	2.63	1.30	1.30	1.33	5.30	0.00
December	5.60	5.36	1.86	0.00	1.33	4.84	0.98	0.98	3.86	5.30	0.00
January	9.01	8.63	4.35	0.00	3.86	8.14	1.46	1.46	6.69	5.30	0.00
February	5.62	5.38	1.88	0.00	5.30	8.81	1.65	1.65	7.16	5.30	1.38
March	5.58	5.35	1.85	0.00	5.30	8.80	2.44	2.44	6.36	5.30	1.86
April	4.50	4.31	1.18	0.00	5.30	8.43	2.95	2.95	5.48	5.30	1.06
May	0.00	0.00	0.00	0.00	5.30	5.30	3.91	3.91	1.39	5.30	0.18
June	0.00	0.00	0.00	0.00	1.39	1.39	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	34.15	32.71	11.72	35.8%						Total yield	4.466

1978-1979

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.05	0.05	0.00	0.00	0.00	0.05	2.81	2.81	0.00	5.30	0.00
November	3.04	2.91	0.45	0.00	0.00	2.46	1.30	1.30	1.16	5.30	0.00
December	0.83	0.80	0.00	0.00	1.16	1.96	0.98	0.98	0.98	5.30	0.00
January	8.11	7.77	3.65	0.00	0.98	5.09	1.46	1.46	3.63	5.30	0.00
February	6.27	6.01	2.31	0.00	3.63	7.33	1.65	1.65	5.68	5.30	0.38
March	4.83	4.63	1.38	0.00	5.30	8.55	2.44	2.44	6.11	5.30	0.81
April	0.89	0.85	0.00	0.00	5.30	6.15	2.95	2.95	3.20	5.30	0.00
May	0.85	0.81	0.00	0.00	3.20	4.02	3.91	3.91	0.11	5.30	0.00
June	0.00	0.00	0.00	0.00	0.11	0.11	4.25	4.25	0.00	5.30	0.00
July	0.29	0.28	0.00	0.00	0.00	0.28	4.27	4.27	0.00	5.30	0.00
August	0.13	0.12	0.00	0.00	0.00	0.12	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	25.29	24.23	7.79	32.2%						Total yield	1.184

1979-1980

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.23	3.09	0.53	0.00	0.00	2.56	2.81	2.81	0.00	5.30	0.00
November	3.97	3.80	0.89	0.00	0.00	2.91	1.30	1.30	1.61	5.30	0.00
December	5.76	5.52	1.97	0.00	1.61	5.16	0.98	0.98	4.18	5.30	0.00
January	5.40	5.17	1.73	0.00	4.18	7.62	1.46	1.46	6.16	5.30	0.86
February	7.49	7.17	3.19	0.00	5.30	9.29	1.65	1.65	7.64	5.30	2.34
March	1.90	1.82	0.08	0.00	5.30	7.04	2.44	2.44	4.60	5.30	0.00
April	1.88	1.80	0.08	0.00	4.60	6.32	2.95	2.95	3.37	5.30	0.00
May	0.32	0.31	0.00	0.00	3.37	3.67	3.91	3.91	0.00	5.30	0.00
June	0.03	0.03	0.00	0.00	0.00	0.03	4.25	4.25	0.00	5.30	0.00
July	0.07	0.07	0.00	0.00	0.00	0.07	4.27	4.27	0.00	5.30	0.00
August	0.05	0.05	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
September	0.18	0.17	0.00	0.00	0.00	0.17	3.54	3.54	0.00	5.30	0.00
	30.28	29.01	8.47	29.2%						Total yield	3.199

1980-1981

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.18	0.17	0.00	0.00	0.00	0.17	2.81	2.81	0.00	5.30	0.00
November	0.65	0.62	0.00	0.00	0.00	0.62	1.30	1.30	0.00	5.30	0.00
December	2.44	2.34	0.23	0.00	0.00	2.11	0.98	0.98	1.13	5.30	0.00
January	7.48	7.17	3.18	0.00	1.13	5.11	1.46	1.46	3.65	5.30	0.00
February	2.42	2.32	0.22	0.00	3.65	5.75	1.65	1.65	4.10	5.30	0.00
March	4.71	4.51	1.31	0.00	4.10	7.31	2.44	2.44	4.87	5.30	0.00
April	0.24	0.23	0.00	0.00	4.87	5.10	2.95	2.95	2.15	5.30	0.00
May	0.33	0.32	0.00	0.00	2.15	2.46	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.42	0.40	0.00	0.00	0.00	0.40	4.15	4.15	0.00	5.30	0.00
September	0.37	0.35	0.00	0.00	0.00	0.35	3.54	3.54	0.00	5.30	0.00
	19.24	18.43	4.94	26.8%						Total yield	0.00

Percolation for Airport Terrace

1981-1982											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.98	3.81	0.90	0.00	0.00	2.92	2.81	2.81	0.11	5.30	0.00
November	7.08	6.78	2.89	0.00	0.11	4.00	1.30	1.30	2.70	5.30	0.00
December	6.00	5.75	2.13	0.00	2.70	6.32	0.98	0.98	5.34	5.30	0.04
January	12.01	11.50	6.81	0.00	5.30	10.00	1.46	1.46	8.54	5.30	3.24
February	5.11	4.90	1.55	0.00	5.30	8.65	1.65	1.65	7.00	5.30	1.70
March	7.91	7.58	3.50	0.00	5.30	9.37	2.44	2.44	6.93	5.30	1.63
April	5.02	4.81	1.49	0.00	5.30	8.62	2.95	2.95	5.67	5.30	0.37
May	0.00	0.00	0.00	0.00	5.30	5.30	3.91	3.91	1.39	5.30	0.00
June	0.42	0.40	0.00	0.00	1.39	1.79	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.15	0.14	0.00	0.00	0.00	0.14	4.15	4.15	0.00	5.30	0.00
September	1.73	1.66	0.05	0.00	0.00	1.61	3.54	3.54	0.00	5.30	0.00
Total yield											6.974

49.41 47.33 19.32 40.8%

1982-1983											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.82	3.66	0.81	0.00	0.00	2.85	2.81	2.81	0.04	5.30	0.00
November	7.03	6.73	2.85	0.00	0.04	3.92	1.30	1.30	2.62	5.30	0.00
December	5.41	5.18	1.74	0.00	2.62	6.06	0.98	0.98	5.08	5.30	0.00
January	8.98	8.60	4.33	0.00	5.08	9.36	1.46	1.46	7.90	5.30	2.60
February	9.14	8.76	4.45	0.00	5.30	9.60	1.65	1.65	7.95	5.30	2.65
March	13.05	12.50	7.69	0.00	5.30	10.11	2.44	2.44	7.67	5.30	2.37
April	3.33	3.19	0.58	0.00	5.30	7.91	2.95	2.95	4.96	5.30	0.00
May	0.89	0.85	0.00	0.00	4.96	5.82	3.91	3.91	1.91	5.30	0.00
June	0.03	0.03	0.00	0.00	1.91	1.94	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.14	0.13	0.00	0.00	0.00	0.13	4.15	4.15	0.00	5.30	0.00
September	0.80	0.77	0.00	0.00	0.00	0.77	3.54	3.54	0.00	5.30	0.00
Total yield											7.617

52.62 50.41 22.45 44.5%

1983-1984											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.12	1.07	0.00	0.00	0.00	1.07	2.81	2.81	0.00	5.30	0.00
November	8.07	7.73	3.62	0.00	0.00	4.11	1.30	1.30	2.81	5.30	0.00
December	9.46	9.06	4.71	0.00	2.81	7.16	0.98	0.98	6.18	5.30	0.88
January	0.26	0.25	0.00	0.00	5.30	5.55	1.46	1.46	4.09	5.30	0.00
February	2.15	2.06	0.14	0.00	4.09	6.01	1.65	1.65	4.36	5.30	0.00
March	2.12	2.03	0.13	0.00	4.36	6.25	2.44	2.44	3.81	5.30	0.00
April	1.09	1.04	0.00	0.00	3.81	4.86	2.95	2.95	1.91	5.30	0.00
May	0.20	0.19	0.00	0.00	1.91	2.10	3.91	3.91	0.00	5.30	0.00
June	0.46	0.44	0.00	0.00	0.00	0.44	4.25	4.25	0.00	5.30	0.00
July	0.06	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
August	0.33	0.32	0.00	0.00	0.00	0.32	4.15	4.15	0.00	5.30	0.00
September	0.18	0.17	0.00	0.00	0.00	0.17	3.54	3.54	0.00	5.30	0.00
Total yield											0.879

25.50 24.43 8.61 35.2%

1984-1985											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.81	3.65	0.81	0.00	0.00	2.84	2.81	2.81	0.03	5.30	0.00
November	9.86	9.45	5.03	0.00	0.03	4.45	1.30	1.30	3.15	5.30	0.00
December	3.20	3.07	0.52	0.00	3.15	5.70	0.98	0.98	4.72	5.30	0.00
January	1.02	0.98	0.00	0.00	4.72	5.69	1.46	1.46	4.23	5.30	0.00
February	2.90	2.78	0.39	0.00	4.23	6.62	1.65	1.65	4.97	5.30	0.00
March	5.07	4.86	1.52	0.00	4.97	8.30	2.44	2.44	5.86	5.30	0.56
April	0.13	0.12	0.00	0.00	5.30	5.42	2.95	2.95	2.47	5.30	0.00
May	0.32	0.31	0.00	0.00	2.47	2.78	3.91	3.91	0.00	5.30	0.00
June	0.47	0.45	0.00	0.00	0.00	0.45	4.25	4.25	0.00	5.30	0.00
July	0.31	0.30	0.00	0.00	0.00	0.30	4.27	4.27	0.00	5.30	0.00
August	0.05	0.05	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
September	0.40	0.38	0.00	0.00	0.00	0.38	3.54	3.54	0.00	5.30	0.00
Total yield											0.560

27.54 26.38 8.27 31.4%

1985-1986											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.51	1.45	0.02	0.00	0.00	1.43	2.81	2.81	0.00	5.30	0.00
November	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	3.18	3.05	0.51	0.00	0.00	2.54	0.98	0.98	1.56	5.30	0.00
January	4.98	4.77	1.47	0.00	1.56	4.86	1.46	1.46	3.40	5.30	0.00
February	11.48	11.00	6.36	0.00	3.40	8.03	1.65	1.65	6.38	5.30	1.08
March	7.12	6.82	2.92	0.00	5.30	9.20	2.44	2.44	6.76	5.30	1.46
April	0.50	0.48	0.00	0.00	5.30	5.78	2.95	2.95	2.83	5.30	0.00
May	0.84	0.80	0.00	0.00	2.83	3.63	3.91	3.91	0.00	5.30	0.00
June	0.09	0.09	0.00	0.00	0.00	0.09	4.25	4.25	0.00	5.30	0.00
July	0.08	0.08	0.00	0.00	0.00	0.08	4.27	4.27	0.00	5.30	0.00
August	0.25	0.24	0.00	0.00	0.00	0.24	4.15	4.15	0.00	5.30	0.00
September	2.20	2.11	0.16	0.00	0.00	1.95	3.54	3.54	0.00	5.30	0.00
Total yield											2.548

32.23 30.87 11.43 37.0%

Percolation for Airport Terrace

1986-1987

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.42	0.40	0.00	0.00	0.00	0.40	2.81	2.81	0.00	5.30	0.00
November	0.32	0.31	0.00	0.00	0.00	0.31	1.30	1.30	0.00	5.30	0.00
December	3.10	2.97	0.47	0.00	0.00	2.50	0.98	0.98	1.52	5.30	0.00
January	5.10	4.89	1.54	0.00	1.52	4.86	1.46	1.46	3.40	5.30	0.00
February	3.87	3.71	0.84	0.00	3.40	6.27	1.65	1.65	4.62	5.30	0.00
March	4.16	3.98	0.99	0.00	4.62	7.61	2.44	2.44	5.17	5.30	0.00
April	0.95	0.91	0.00	0.00	5.17	6.08	2.95	2.95	3.13	5.30	0.00
May	0.06	0.06	0.00	0.00	3.13	3.19	3.91	3.91	0.00	5.30	0.00
June	0.08	0.08	0.00	0.00	0.00	0.08	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.10	0.10	0.00	0.00	0.00	0.10	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	18.16	17.40	3.85	22.1%						Total yield	0.000

1987-1988

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.13	2.04	0.14	0.00	0.00	1.90	2.81	2.81	0.00	5.30	0.00
November	2.63	2.52	0.29	0.00	0.00	2.23	1.30	1.30	0.93	5.30	0.00
December	6.03	5.78	2.15	0.00	0.93	4.56	0.98	0.98	3.58	5.30	0.00
January	4.48	4.29	1.17	0.00	3.58	6.70	1.46	1.46	5.24	5.30	0.00
February	0.58	0.56	0.00	0.00	5.24	5.79	1.65	1.65	4.14	5.30	0.00
March	0.12	0.11	0.00	0.00	4.14	4.26	2.44	2.44	1.82	5.30	0.00
April	3.04	2.91	0.45	0.00	1.82	4.28	2.95	2.95	1.33	5.30	0.00
May	0.69	0.66	0.00	0.00	1.33	1.99	3.91	3.91	0.00	5.30	0.00
June	0.29	0.28	0.00	0.00	0.00	0.28	4.25	4.25	0.00	5.30	0.00
July		0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.01	0.01	0.00	0.00	0.00	0.01	4.15	4.15	0.00	5.30	0.00
September	0.02	0.02	0.00	0.00	0.00	0.02	3.54	3.54	0.00	5.30	0.00
	20.02	19.18	4.20	21.9%						Total yield	0.000

1988-1989

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.94	0.90	0.00	0.00	0.00	0.90	2.81	2.81	0.00	5.30	0.00
November	3.55	3.40	0.68	0.00	0.00	2.72	1.30	1.30	1.42	5.30	0.00
December	5.17	4.95	1.59	0.00	1.42	4.79	0.98	0.98	3.81	5.30	0.00
January	2.01	1.93	0.11	0.00	3.81	5.63	1.46	1.46	4.17	5.30	0.00
February	1.30	1.25	0.00	0.00	4.17	5.41	1.65	1.65	3.76	5.30	0.00
March	7.95	7.62	3.53	0.00	3.76	7.84	2.44	2.44	5.40	5.30	0.10
April	1.83	1.75	0.07	0.00	5.30	6.98	2.95	2.95	4.03	5.30	0.00
May	0.31	0.30	0.00	0.00	4.03	4.33	3.91	3.91	0.42	5.30	0.00
June	0.10	0.10	0.00	0.00	0.42	0.52	4.25	4.25	0.00	5.30	0.00
July	0.13	0.12	0.00	0.00	0.00	0.12	4.27	4.27	0.00	5.30	0.00
August	0.27	0.26	0.00	0.00	0.00	0.26	4.15	4.15	0.00	5.30	0.00
September	0.95	0.91	0.00	0.00	0.00	0.91	3.54	3.54	0.00	5.30	0.00
	24.51	23.48	5.98	25.5%						Total yield	0.099

1989-1990

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.05	1.96	0.12	0.00	0.00	1.85	2.81	2.81	0.00	5.30	0.00
November	1.95	1.87	0.09	0.00	0.00	1.77	1.30	1.30	0.47	5.30	0.00
December	0.03	0.03	0.00	0.00	0.47	0.50	0.98	0.98	0.00	5.30	0.00
January	4.29	4.11	1.06	0.00	0.00	3.05	1.46	1.46	1.59	5.30	0.00
February	2.52	2.41	0.25	0.00	1.59	3.75	1.65	1.65	2.10	5.30	0.00
March	1.33	1.27	0.01	0.00	2.10	3.36	2.44	2.44	0.92	5.30	0.00
April	0.29	0.28	0.00	0.00	0.92	1.20	2.95	2.95	0.00	5.30	0.00
May	2.82	2.70	0.36	0.00	0.00	2.34	3.91	3.91	0.00	5.30	0.00
June	0.46	0.44	0.00	0.00	0.00	0.44	4.25	4.25	0.00	5.30	0.00
July	0.24	0.23	0.00	0.00	0.00	0.23	4.27	4.27	0.00	5.30	0.00
August	0.14	0.13	0.00	0.00	0.00	0.13	4.15	4.15	0.00	5.30	0.00
September	0.33	0.32	0.00	0.00	0.00	0.32	3.54	3.54	0.00	5.30	0.00
	16.45	15.76	1.90	12.0%						Total yield	0.000

1990-1991

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.55	0.53	0.00	0.00	0.00	0.53	2.81	2.81	0.00	5.30	0.00
November	0.74	0.71	0.00	0.00	0.00	0.71	1.30	1.30	0.00	5.30	0.00
December	2.58	2.47	0.27	0.00	0.00	2.20	0.98	0.98	1.22	5.30	0.00
January	0.56	0.54	0.00	0.00	1.22	1.75	1.46	1.46	0.29	5.30	0.00
February	4.19	4.01	1.01	0.00	0.29	3.30	1.65	1.65	1.65	5.30	0.00
March	8.81	8.44	4.20	0.00	1.65	5.89	2.44	2.44	3.45	5.30	0.00
April	0.90	0.86	0.00	0.00	3.45	4.31	2.95	2.95	1.36	5.30	0.00
May	0.67	0.64	0.00	0.00	1.36	2.01	3.91	3.91	0.00	5.30	0.00
June	0.32	0.31	0.00	0.00	0.00	0.31	4.25	4.25	0.00	5.30	0.00
July	0.27	0.26	0.00	0.00	0.00	0.26	4.27	4.27	0.00	5.30	0.00
August	0.92	0.88	0.00	0.00	0.00	0.88	4.15	4.15	0.00	5.30	0.00
September	0.25	0.24	0.00	0.00	0.00	0.24	3.54	3.54	0.00	5.30	0.00
	20.76	19.89	5.48	27.5%						Total yield	0.000

Percolation for Airport Terrace

1991-1992

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.63	2.52	0.29	0.00	0.00	2.23	2.81	2.81	0.00	5.30	0.00
November	1.01	0.97	0.00	0.00	0.00	0.97	1.30	1.30	0.00	5.30	0.00
December	3.60	3.45	0.70	0.00	0.00	2.75	0.98	0.98	1.77	5.30	0.00
January	3.18	3.05	0.51	0.00	1.77	4.30	1.46	1.46	2.84	5.30	0.00
February	8.70	8.33	4.11	0.00	2.84	7.07	1.65	1.65	5.42	5.30	0.12
March	3.45	3.30	0.63	0.00	5.30	7.97	2.44	2.44	5.53	5.30	0.23
April	0.40	0.38	0.00	0.00	5.30	5.68	2.95	2.95	2.73	5.30	0.00
May	0.06	0.06	0.00	0.00	2.73	2.79	3.91	3.91	0.00	5.30	0.00
June	0.84	0.80	0.00	0.00	0.00	0.80	4.25	4.25	0.00	5.30	0.00
July	0.02	0.02	0.00	0.00	0.00	0.02	4.27	4.27	0.00	5.30	0.00
August	0.18	0.17	0.00	0.00	0.00	0.17	4.15	4.15	0.00	5.30	0.00
September	0.12	0.11	0.00	0.00	0.00	0.11	3.54	3.54	0.00	5.30	0.00
	24.19	23.17	6.24	26.9%						Total yield	0.352

1992-1993

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.88	2.76	0.38	0.00	0.00	2.37	2.81	2.81	0.00	5.30	0.00
November	0.67	0.64	0.00	0.00	0.00	0.64	1.30	1.30	0.00	5.30	0.00
December	8.10	7.76	3.65	0.00	0.00	4.11	0.98	0.98	3.13	5.30	0.00
January	9.21	8.82	4.51	0.00	3.13	7.44	1.46	1.46	5.98	5.30	0.68
February	5.59	5.35	1.86	0.00	5.30	8.80	1.65	1.65	7.15	5.30	1.85
March	2.79	2.67	0.35	0.00	5.30	7.62	2.44	2.44	5.18	5.30	0.00
April	1.68	1.61	0.04	0.00	5.18	6.75	2.95	2.95	3.80	5.30	0.00
May	1.38	1.32	0.01	0.00	3.80	5.11	3.91	3.91	1.20	5.30	0.00
June	0.48	0.46	0.00	0.00	1.20	1.66	4.25	4.25	0.00	5.30	0.00
July	0.06	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
August	0.17	0.16	0.00	0.00	0.00	0.16	4.15	4.15	0.00	5.30	0.00
September	0.21	0.20	0.00	0.00	0.00	0.20	3.54	3.54	0.00	5.30	0.00
	33.22	31.82	10.80	33.9%						Total yield	2.533

1993-1994

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.62	0.59	0.00	0.00	0.00	0.59	2.81	2.81	0.00	5.30	0.00
November	1.55	1.48	0.03	0.00	0.00	1.46	1.30	1.30	0.16	5.30	0.00
December	2.77	2.65	0.34	0.00	0.16	2.47	0.98	0.98	1.49	5.30	0.00
January	2.63	2.52	0.29	0.00	1.49	3.72	1.46	1.46	2.26	5.30	0.00
February	5.61	5.37	1.87	0.00	2.26	5.76	1.65	1.65	4.11	5.30	0.00
March	0.77	0.74	0.00	0.00	4.11	4.85	2.44	2.44	2.41	5.30	0.00
April	1.85	1.77	0.07	0.00	2.41	4.11	2.95	2.95	1.16	5.30	0.00
May	1.64	1.57	0.04	0.00	1.16	2.69	3.91	3.91	0.00	5.30	0.00
June	0.11	0.11	0.00	0.00	0.00	0.11	4.25	4.25	0.00	5.30	0.00
July	0.13	0.12	0.00	0.00	0.00	0.12	4.27	4.27	0.00	5.30	0.00
August	0.17	0.16	0.00	0.00	0.00	0.16	4.15	4.15	0.00	5.30	0.00
September	0.09	0.09	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00
	17.94	17.19	2.64	15.3%						Total yield	0.000

1994-1995

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.08	0.08	0.00	0.00	0.00	0.08	2.81	2.81	0.00	5.30	0.00
November	5.34	5.12	1.89	0.00	0.00	3.42	1.30	1.30	2.12	5.30	0.00
December	3.93	3.76	0.87	0.00	2.12	5.02	0.98	0.98	4.04	5.30	0.00
January	11.38	10.90	6.28	0.00	4.04	8.66	1.46	1.46	7.20	5.30	1.90
February	0.26	0.25	0.00	0.00	5.30	5.55	1.65	1.65	3.90	5.30	0.00
March	8.71	8.34	4.12	0.00	3.90	8.13	2.44	2.44	5.69	5.30	0.39
April	2.35	2.25	0.20	0.00	5.30	7.35	2.95	2.95	4.40	5.30	0.00
May	1.54	1.48	0.02	0.00	4.40	5.85	3.91	3.91	1.94	5.30	0.00
June	0.78	0.75	0.00	0.00	1.94	2.69	4.25	4.25	0.00	5.30	0.00
July	0.05	0.05	0.00	0.00	0.00	0.05	4.27	4.27	0.00	5.30	0.00
August	0.05	0.05	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
September	0.15	0.14	0.00	0.00	0.00	0.14	3.54	3.54	0.00	5.30	0.00
	34.62	33.16	13.18	39.8%						Total yield	2.284

1995-1996

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.07	0.07	0.00	0.00	0.00	0.07	2.81	2.81	0.00	5.30	0.00
November	0.30	0.29	0.00	0.00	0.00	0.29	1.30	1.30	0.00	5.30	0.00
December	8.25	7.90	3.76	0.00	0.00	4.14	0.98	0.98	3.16	5.30	0.00
January	8.27	7.92	3.78	0.00	3.16	7.31	1.46	1.46	5.85	5.30	0.55
February	7.05	6.75	2.87	0.00	5.30	9.19	1.65	1.65	7.54	5.30	2.24
March	3.34	3.20	0.58	0.00	5.30	7.92	2.44	2.44	5.48	5.30	0.18
April	1.98	1.90	0.10	0.00	5.30	7.10	2.95	2.95	4.15	5.30	0.00
May	2.16	2.07	0.15	0.00	4.15	6.07	3.91	3.91	2.16	5.30	0.00
June	0.13	0.12	0.00	0.00	2.16	2.28	4.25	4.25	0.00	5.30	0.00
July	0.06	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
August	0.07	0.07	0.00	0.00	0.00	0.07	4.15	4.15	0.00	5.30	0.00
September	0.20	0.19	0.00	0.00	0.00	0.19	3.54	3.54	0.00	5.30	0.00
	31.88	30.54	11.23	36.8%						Total yield	2.964

Percolation for Airport Terrace

1996-1997

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.47	1.41	0.02	0.00	0.00	1.39	2.81	2.81	0.00	5.30	0.00
November	2.71	2.60	0.32	0.00	0.00	2.28	1.30	1.30	0.98	5.30	0.00
December	8.83	8.46	4.21	0.00	0.98	5.22	0.98	0.98	4.24	5.30	0.00
January	9.86	9.45	5.03	0.00	4.24	8.66	1.46	1.46	7.20	5.30	1.90
February	0.29	0.28	0.00	0.00	5.30	5.58	1.65	1.65	3.93	5.30	0.00
March	0.59	0.57	0.00	0.00	3.93	4.49	2.44	2.44	2.05	5.30	0.00
April	0.96	0.92	0.00	0.00	2.05	2.97	2.95	2.95	0.02	5.30	0.00
May	0.44	0.42	0.00	0.00	0.02	0.44	3.91	3.91	0.00	5.30	0.00
June	0.57	0.55	0.00	0.00	0.00	0.55	4.25	4.25	0.00	5.30	0.00
July	0.13	0.12	0.00	0.00	0.00	0.12	4.27	4.27	0.00	5.30	0.00
August	0.77	0.74	0.00	0.00	0.00	0.74	4.15	4.15	0.00	5.30	0.00
September	0.08	0.08	0.00	0.00	0.00	0.08	3.54	3.54	0.00	5.30	0.00
	26.70	25.58	9.58	37.4%						Total yield	1.899

1997-1998

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.77	0.74	0.00	0.00	0.00	0.74	2.81	2.81	0.00	5.30	0.00
November	7.84	7.51	3.45	0.00	0.00	4.06	1.30	1.30	2.76	5.30	0.00
December	3.65	3.50	0.73	0.00	2.76	5.53	0.98	0.98	4.55	5.30	0.00
January	12.13	11.62	6.91	0.00	4.55	9.26	1.46	1.46	7.80	5.30	2.50
February	15.70	15.04	10.00	0.00	5.30	10.34	1.65	1.65	8.69	5.30	3.39
March	2.58	2.47	0.27	0.00	5.30	7.50	2.44	2.44	5.06	5.30	0.00
April	2.73	2.62	0.33	0.00	5.06	7.35	2.95	2.95	4.40	5.30	0.00
May	4.01	3.84	0.91	0.00	4.40	7.33	3.91	3.91	3.42	5.30	0.00
June	0.30	0.29	0.00	0.00	3.42	3.70	4.25	4.25	0.00	5.30	0.00
July	0.18	0.17	0.00	0.00	0.00	0.17	4.27	4.27	0.00	5.30	0.00
August	0.06	0.06	0.00	0.00	0.00	0.06	4.15	4.15	0.00	5.30	0.00
September	0.25	0.24	0.00	0.00	0.00	0.24	3.54	3.54	0.00	5.30	0.00
	50.20	48.09	22.59	47.0%						Total yield	5.895

1998-1999

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.97	0.93	0.00	0.00	0.00	0.93	2.81	2.81	0.00	5.30	0.00
November	3.75	3.59	0.78	0.00	0.00	2.82	1.30	1.30	1.52	5.30	0.00
December	2.09	2.00	0.13	0.00	1.52	3.39	0.98	0.98	2.41	5.30	0.00
January	6.4	6.13	2.40	0.00	2.41	6.14	1.46	1.46	4.68	5.30	0.00
February	14	13.41	8.51	0.00	4.68	9.58	1.65	1.65	7.93	5.30	2.63
March	4.7	4.50	1.30	0.00	5.30	8.50	2.44	2.44	6.06	5.30	0.76
April	2.73	2.62	0.33	0.00	5.30	7.59	2.95	2.95	4.64	5.30	0.00
May	0.12	0.11	0.00	0.00	4.64	4.75	3.91	3.91	0.84	5.30	0.00
June	0.46	0.44	0.00	0.00	0.84	1.28	4.25	4.25	0.00	5.30	0.00
July	0.05	0.05	0.00	0.00	0.00	0.05	4.27	4.27	0.00	5.30	0.00
August	0.34	0.33	0.00	0.00	0.00	0.33	4.15	4.15	0.00	5.30	0.00
September	0.21	0.20	0.00	0.00	0.00	0.20	3.54	3.54	0.00	5.30	0.00
	35.82	34.31	13.44	39.2%						Total yield	3.391

1999-2000

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.82	0.79	0.00	0.00	0.00	0.79	2.81	2.81	0.00	5.30	0.00
November	2.94	2.82	0.41	0.00	0.00	2.41	1.30	1.30	1.11	5.30	0.00
December	0.93	0.89	0.00	0.00	1.11	2.00	0.98	0.98	1.02	5.30	0.00
January	7.53	7.21	3.22	0.00	1.02	5.01	1.46	1.46	3.55	5.30	0.00
February	11.27	10.80	6.19	0.00	3.55	8.16	1.65	1.65	6.51	5.30	1.21
March	2.45	2.35	0.23	0.00	5.30	7.42	2.44	2.44	4.98	5.30	0.00
April	3.1	2.97	0.47	0.00	4.98	7.47	2.95	2.95	4.52	5.30	0.00
May	1.72	1.65	0.05	0.00	4.52	6.12	3.91	3.91	2.21	5.30	0.00
June	0.18	0.17	0.00	0.00	2.21	2.38	4.25	4.25	0.00	5.30	0.00
July	0.26	0.25	0.00	0.00	0.00	0.25	4.27	4.27	0.00	5.30	0.00
August	0.19	0.18	0.00	0.00	0.00	0.18	4.15	4.15	0.00	5.30	0.00
September	0.41	0.39	0.00	0.00	0.00	0.39	3.54	3.54	0.00	5.30	0.00
	31.80	30.46	10.57	34.7%						Total yield	1.214

2000-2001

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.74	3.58	0.77	0.00	0.00	2.81	2.81	2.81	0.00	5.30	0.00
November	1.3	1.25	0.00	0.00	0.00	1.24	1.30	1.30	0.00	5.30	0.00
December	0.69	0.66	0.00	0.00	0.00	0.66	0.98	0.98	0.00	5.30	0.00
January	5.75	5.51	1.96	0.00	0.00	3.55	1.46	1.46	2.09	5.30	0.00
February	6.44	6.17	2.43	0.00	2.09	5.82	1.65	1.65	4.17	5.30	0.00
March	1.67	1.60	0.04	0.00	4.17	5.73	2.44	2.44	3.29	5.30	0.00
April	2.19	2.10	0.15	0.00	3.29	5.24	2.95	2.95	2.29	5.30	0.00
May	0.02	0.02	0.00	0.00	2.29	2.31	3.91	3.91	0.00	5.30	0.00
June	0.12	0.11	0.00	0.00	0.00	0.11	4.25	4.25	0.00	5.30	0.00
July	0.28	0.27	0.00	0.00	0.00	0.27	4.27	4.27	0.00	5.30	0.00
August	0.39	0.37	0.00	0.00	0.00	0.37	4.15	4.15	0.00	5.30	0.00
September	0.26	0.25	0.00	0.00	0.00	0.25	3.54	3.54	0.00	5.30	0.00
	22.85	21.89	5.36	24.5%						Total yield	0.000

Percolation for Airport Terrace

2001-2002 Adjusted San Gregorio data

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.47	0.45	0.00	0.00	0.00	0.45	2.81	2.81	0.00	5.30	0.00
November	6.69	6.41	2.61	0.00	0.00	3.80	1.30	1.30	2.50	5.30	0.00
December	9.26	8.87	4.55	0.00	2.50	6.82	0.98	0.98	5.84	5.30	0.54
January	2.55	2.44	0.26	0.00	5.30	7.48	1.46	1.46	6.02	5.30	0.72
February	2.13	2.04	0.14	0.00	5.30	7.20	1.65	1.65	5.55	5.30	0.25
March	2.54	2.43	0.26	0.00	5.30	7.47	2.44	2.44	5.03	5.30	0.00
April	0.68	0.65	0.00	0.00	5.03	5.68	2.95	2.95	2.73	5.30	0.00
May	0.88	0.84	0.00	0.00	2.73	3.58	3.91	3.91	0.00	5.30	0.00
June	0.23	0.22	0.00	0.00	0.00	0.22	4.25	4.25	0.00	5.30	0.00
July	0.18	0.17	0.00	0.00	0.00	0.17	4.27	4.27	0.00	5.30	0.00
August	0.08	0.08	0.00	0.00	0.00	0.08	4.15	4.15	0.00	5.30	0.00
September	0.17	0.16	0.00	0.00	0.00	0.16	3.54	3.54	0.00	5.30	0.00
	25.86	24.77	7.82	31.6%						Total yield	1.514

2002-2003 Estimate for missing data in red based on San Gregorio data for same period

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.17	0.16	0.00	0.00	0.00	0.16	2.81	2.81	0.00	5.30	0.00
November	2.7	2.59	0.32	0.00	0.00	2.27	1.30	1.30	0.97	5.30	0.00
December	9	8.62	4.34	0.00	0.97	5.25	0.98	0.98	4.27	5.30	0.00
January	1.34	1.28	0.01	0.00	4.27	5.54	1.46	1.46	4.08	5.30	0.00
February	3.46	3.31	0.64	0.00	4.08	6.76	1.65	1.65	5.11	5.30	0.00
March	1.82	1.74	0.07	0.00	5.11	6.79	2.44	2.44	4.35	5.30	0.00
April	5.51	5.28	1.80	0.00	4.35	7.82	2.95	2.95	4.87	5.30	0.00
May	0.88	0.84	0.00	0.00	4.87	5.72	3.91	3.91	1.81	5.30	0.00
June	0.18	0.17	0.00	0.00	1.81	1.98	4.25	4.25	0.00	5.30	0.00
July	0.01	0.01	0.00	0.00	0.00	0.01	4.27	4.27	0.00	5.30	0.00
August	0.04	0.04	0.00	0.00	0.00	0.04	4.15	4.15	0.00	5.30	0.00
September	0.10	0.10	0.00	0.00	0.00	0.10	3.54	3.54	0.00	5.30	0.00
	25.21	24.15	7.17	29.7%						Total yield	0.000

2003-2004

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.22	0.21	0.00	0.00	0.00	0.21	2.81	2.81	0.00	5.30	0.00
November	2.27	2.17	0.18	0.00	0.00	2.00	1.30	1.30	0.70	5.30	0.00
December	8.81	8.44	4.20	0.00	0.70	4.94	0.98	0.98	3.96	5.30	0.00
January	3.33	3.19	0.58	0.00	3.96	6.59	1.46	1.46	5.12	5.30	0.00
February	6.37	6.10	2.38	0.00	5.12	8.84	1.65	1.65	7.19	5.30	1.89
March	1.39	1.33	0.01	0.00	5.30	6.62	2.44	2.44	4.18	5.30	0.00
April	0.31	0.30	0.00	0.00	4.18	4.48	2.95	2.95	1.53	5.30	0.00
May	0.15	0.14	0.00	0.00	1.53	1.67	3.91	3.91	0.00	5.30	0.00
June	0.05	0.05	0.00	0.00	0.00	0.05	4.25	4.25	0.00	5.30	0.00
July	0.34	0.33	0.00	0.00	0.00	0.33	4.27	4.27	0.00	5.30	0.00
August	0.33	0.32	0.00	0.00	0.00	0.32	4.15	4.15	0.00	5.30	0.00
September	0.29	0.28	0.00	0.00	0.00	0.28	3.54	3.54	0.00	5.30	0.00
	23.86	22.86	7.34	32.1%						Total yield	1.887

2004-2005

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	4.6	4.41	1.24	0.00	0.00	3.17	2.81	2.81	0.36	5.30	0.00
November	1.38	1.32	0.01	0.00	0.36	1.67	1.30	1.30	0.37	5.30	0.00
December	8.66	8.30	4.08	0.00	0.37	4.59	0.98	0.98	3.61	5.30	0.00
January	6.11	5.85	2.20	0.00	3.61	7.26	1.46	1.46	5.80	5.30	0.50
February	5.28	5.06	1.66	0.00	5.80	8.70	1.65	1.65	7.05	5.30	1.75
March	5.52	5.29	1.81	0.00	5.30	8.78	2.44	2.44	6.34	5.30	1.04
April	1.69	1.62	0.04	0.00	5.30	6.87	2.95	2.95	3.92	5.30	0.00
May	2.32	2.22	0.19	0.00	3.92	5.96	3.91	3.91	2.05	5.30	0.00
June	1.31	1.25	0.00	0.00	2.05	3.30	4.25	4.25	0.00	5.30	0.00
July		0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August		0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September		0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	36.87	35.32	11.24	31.8%						Total yield	3.284

Percolation Denniston Upland Subarea

Percolation Estimates for Denniston Creek
1950-2005

Averages			
Years used in aver	55		
Precipitation (Po)	27.047		
Adj. Precipitation	34.996		
Runoff	7.542	22%	
Irrigation		0%	
Evapotranspiration	33.710	96%	
Percolation	9.434	27%	

Crop Coeff.	
October	1
November	1
December	1
January	1
February	1
March	1
April	1
May	1
June	1
July	1
August	1
September	1

Soil Water Holding Capacity (mean value)	5.3	0.5
Land Use	S	0.5
Contoured Row Crops		0.5
Range		0.5
Farmsteads		0.6
Fallow Row		0.8
S=	11	0.8
Adj. Precip. Fac	1.2939	0.71
Irrigation efficie	1	0.53

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October		0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November		0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December		0.00	0.00	0.00	0.00	0.00	0.98	0.98	0.00	5.30	0.00
January		0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.00	5.30	0.00
February		0.00	0.00	0.00	0.00	0.00	1.65	1.65	0.00	5.30	0.00
March		0.00	0.00	0.00	0.00	0.00	2.44	2.44	0.00	5.30	0.00
April		0.00	0.00	0.00	0.00	0.00	2.95	2.95	0.00	5.30	0.00
May		0.00	0.00	0.00	0.00	0.00	3.91	3.91	0.00	5.30	0.00
June		0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.04	0.05	0.00	0.00	0.00	0.05	3.54	3.54	0.00	5.30	0.00
Totals	0.04	0.05	0.00	0.00							0.000

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.55	0.71	0.00	0.00	0.00	0.71	2.81	2.81	0.00	5.30	0.00
November	0.66	0.85	0.00	0.00	0.00	0.85	1.30	1.30	0.00	5.30	0.00
December	4.99	6.46	1.19	0.00	0.00	5.27	0.98	0.98	4.29	5.30	0.00
January	1.73	2.24	0.00	0.00	4.29	6.53	1.46	1.46	5.07	5.30	0.00
February	3.91	5.06	0.59	0.00	5.07	9.54	1.65	1.65	7.89	5.30	2.59
March	4.96	6.42	1.17	0.00	5.30	10.55	2.44	2.44	8.11	5.30	2.81
April	0.00	0.00	0.00	0.00	5.30	5.30	2.95	2.95	2.35	5.30	0.00
May	0.41	0.53	0.00	0.00	2.35	2.88	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.17	0.22	0.00	0.00	0.00	0.22	4.15	4.15	0.00	5.30	0.00
September		0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Totals	17.38	22.49	2.95	13.1%							5.395

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November		0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December		0.00	0.00	0.00	0.00	0.00	0.98	0.98	0.00	5.30	0.00
January		0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.00	5.30	0.00
February	2.24	2.90	0.04	0.00	0.00	2.86	1.65	1.65	1.21	5.30	0.00
March	1.34	1.73	0.00	0.00	1.21	2.94	2.44	2.44	0.50	5.30	0.00
April	2.12	2.74	0.03	0.00	0.50	3.22	2.95	2.95	0.27	5.30	0.00
May	0.37	0.48	0.00	0.00	0.27	0.75	3.91	3.91	0.00	5.30	0.00
June	0.14	0.18	0.00	0.00	0.00	0.18	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.08	0.10	0.00	0.00	0.00	0.10	3.54	3.54	0.00	5.30	0.00
Totals	6.29	8.14	0.07	0.8%							0.000

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.95	2.52	0.01	0.00	0.00	2.51	2.81	2.81	0.00	5.30	0.00
November	5.46	7.06	1.49	0.00	0.00	5.57	1.30	1.30	4.27	5.30	0.00
December	6.01	7.78	1.88	0.00	4.27	10.17	0.98	0.98	9.19	5.30	3.89
January	5.11	6.61	1.26	0.00	5.30	10.65	1.46	1.46	9.19	5.30	3.89
February	2.98	3.86	0.22	0.00	5.30	8.94	1.65	1.65	7.29	5.30	1.99
March	2.84	3.67	0.17	0.00	5.30	8.80	2.44	2.44	6.36	5.30	1.06
April	0.91	1.18	0.00	0.00	5.30	6.48	2.95	2.95	3.53	5.30	0.00
May	0.98	1.27	0.00	0.00	3.53	4.80	3.91	3.91	0.89	5.30	0.00
June	0.17	0.22	0.00	0.00	0.89	1.11	4.25	4.25	0.00	5.30	0.00
July	0.12	0.16	0.00	0.00	0.00	0.16	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.28	0.36	0.00	0.00	0.00	0.36	3.54	3.54	0.00	5.30	0.00
Totals	26.81	34.69	5.03	14.5%							10.832

Percolation Denniston Upland Subarea

1951-1952											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.16	1.50	0.00	0.00	0.00	1.50	2.81	2.81	0.00	5.30	0.00
November	4.15	5.37	0.71	0.00	0.00	4.66	1.30	1.30	3.36	5.30	0.00
December	11.30	14.82	6.59	0.00	3.36	11.39	0.98	0.98	10.41	5.30	5.11
January	9.31	12.05	4.65	0.00	5.30	12.70	1.46	1.46	11.24	5.30	5.94
February	2.20	2.85	0.04	0.00	5.30	8.11	1.65	1.65	6.46	5.30	1.16
March	6.21	8.04	2.02	0.00	5.30	11.31	2.44	2.44	8.87	5.30	3.57
April	0.62	0.80	0.00	0.00	5.30	6.10	2.95	2.95	3.15	5.30	0.00
May	0.45	0.58	0.00	0.00	3.15	3.73	3.91	3.91	0.00	5.30	0.00
June	1.14	1.48	0.00	0.00	0.00	1.48	4.25	4.25	0.00	5.30	0.00
July	0.03	0.04	0.00	0.00	0.00	0.04	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.15	0.19	0.00	0.00	0.00	0.19	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											15.783

36.72 47.51 14.01 29.5%

1952-1953											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.27	0.35	0.00	0.00	0.00	0.35	2.81	2.81	0.00	5.30	0.00
November	2.66	3.44	0.13	0.00	0.00	3.32	1.30	1.30	2.02	5.30	0.00
December	11.36	14.70	6.65	0.00	2.02	10.07	0.98	0.98	9.09	5.30	3.79
January	4.55	5.89	0.93	0.00	5.30	10.26	1.46	1.46	8.80	5.30	3.50
February		0.00	0.00	0.00	5.30	5.30	1.65	1.65	3.65	5.30	0.00
March		0.00	0.00	0.00	3.65	3.65	2.44	2.44	1.21	5.30	0.00
April	3.17	4.10	0.28	0.00	1.21	5.03	2.95	2.95	2.08	5.30	0.00
May	0.60	0.78	0.00	0.00	2.08	2.86	3.91	3.91	0.00	5.30	0.00
June	0.56	0.72	0.00	0.00	0.00	0.72	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.53	0.69	0.00	0.00	0.00	0.69	4.15	4.15	0.00	5.30	0.00
September	0.12	0.16	0.00	0.00	0.00	0.16	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											7.288

23.82 30.82 7.98 25.9%

1953-1954											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.67	0.87	0.00	0.00	0.00	0.87	2.81	2.81	0.00	5.30	0.00
November	3.33	4.31	0.34	0.00	0.00	3.97	1.30	1.30	2.67	5.30	0.00
December	1.04	1.35	0.00	0.00	2.67	4.02	0.98	0.98	3.04	5.30	0.00
January	4.18	5.41	0.72	0.00	3.04	7.72	1.46	1.46	6.26	5.30	0.96
February	2.58	3.34	0.11	0.00	5.30	8.53	1.65	1.65	6.88	5.30	1.58
March	5.03	6.51	1.21	0.00	5.30	10.60	2.44	2.44	8.16	5.30	2.86
April	1.49	1.93	0.00	0.00	5.30	7.23	2.95	2.95	4.28	5.30	0.00
May	0.06	0.08	0.00	0.00	4.28	4.36	3.91	3.91	0.45	5.30	0.00
June	0.64	0.83	0.00	0.00	0.45	1.27	4.25	4.25	0.00	5.30	0.00
July	0.10	0.13	0.00	0.00	0.00	0.13	4.27	4.27	0.00	5.30	0.00
August	0.55	0.71	0.00	0.00	0.00	0.71	4.15	4.15	0.00	5.30	0.00
September	0.08	0.10	0.00	0.00	0.00	0.10	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											5.396

19.75 25.55 2.38 9.3%

1954-1955											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.23	0.30	0.00	0.00	0.00	0.30	2.81	2.81	0.00	5.30	0.00
November	1.96	2.54	0.01	0.00	0.00	2.53	1.30	1.30	1.23	5.30	0.00
December	4.53	5.86	0.91	0.00	1.23	6.17	0.98	0.98	5.19	5.30	0.00
January	5.06	6.55	1.23	0.00	5.19	10.51	1.46	1.46	9.05	5.30	3.75
February	1.37	1.77	0.00	0.00	5.30	7.07	1.65	1.65	5.42	5.30	0.12
March	0.28	0.36	0.00	0.00	5.30	5.66	2.44	2.44	3.22	5.30	0.00
April	2.60	3.36	0.11	0.00	3.22	6.48	2.95	2.95	3.53	5.30	0.00
May	0.36	0.47	0.00	0.00	3.53	3.99	3.91	3.91	0.08	5.30	0.00
June	0.07	0.09	0.00	0.00	0.08	0.17	4.25	4.25	0.00	5.30	0.00
July	0.17	0.22	0.00	0.00	0.00	0.22	4.27	4.27	0.00	5.30	0.00
August	0.12	0.16	0.00	0.00	0.00	0.16	4.15	4.15	0.00	5.30	0.00
September	0.28	0.36	0.00	0.00	0.00	0.36	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											3.872

17.03 22.04 2.27 10.3%

1955-1956											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.21	0.27	0.00	0.00	0.00	0.27	2.81	2.81	0.00	5.30	0.00
November	2.32	3.00	0.05	0.00	0.00	2.95	1.30	1.30	1.65	5.30	0.00
December	13.81	17.87	9.21	0.00	1.65	10.31	0.98	0.98	9.33	5.30	4.03
January	11.38	14.72	6.67	0.00	5.30	13.36	1.46	1.46	11.90	5.30	6.60
February	2.81	3.64	0.17	0.00	5.30	8.77	1.65	1.65	7.12	5.30	1.82
March	0.00	0.00	0.00	0.00	5.30	5.30	2.44	2.44	2.86	5.30	0.00
April	1.88	2.43	0.00	0.00	2.86	5.29	2.95	2.95	2.34	5.30	0.00
May	1.37	1.77	0.00	0.00	2.34	4.11	3.91	3.91	0.20	5.30	0.00
June	0.07	0.09	0.00	0.00	0.20	0.29	4.25	4.25	0.00	5.30	0.00
July	0.25	0.32	0.00	0.00	0.00	0.32	4.27	4.27	0.00	5.30	0.00
August	0.45	0.58	0.00	0.00	0.00	0.58	4.15	4.15	0.00	5.30	0.00
September	0.45	0.58	0.00	0.00	0.00	0.58	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											12.447

35.00 45.29 16.10 35.5%

Percolation Denniston Upland Subarea

1956-1957 Precipitation											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		2.26	0.00	0.00	0.00	2.26	2.81	2.81	0.00	5.30	0.00
October	1.75	2.26	0.00	0.00	0.00	2.26	2.81	2.81	0.00	5.30	0.00
November	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	0.57	0.74	0.00	0.00	0.00	0.74	0.98	0.98	0.00	5.30	0.00
January	3.31	4.28	0.33	0.00	0.00	3.95	1.46	1.46	2.49	5.30	0.41
February	4.42	5.72	0.85	0.00	2.49	7.36	1.65	1.65	5.71	5.30	3.44
March	5.98	7.74	1.85	0.00	5.30	11.18	2.44	2.44	8.74	5.30	0.00
April	1.65	2.13	0.68	0.00	4.48	9.11	3.91	3.91	4.48	5.30	0.00
May	4.10	5.30	0.00	0.00	5.20	5.30	4.25	4.25	1.05	5.30	0.00
June	0.08	0.10	0.00	0.00	1.05	1.05	4.27	4.27	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.10	4.15	4.15	0.00	5.30	0.00
August	0.08	0.10	0.00	0.00	0.00	1.40	3.54	3.54	0.00	5.30	0.00
September	1.08	1.40	0.00	0.00	0.00	0.00					
Total Mean Yield											3.851

23.02 29.79 3.72 12.5%

1957-1958											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		4.10	0.28	0.00	0.00	3.82	2.81	2.81	1.01	5.30	0.00
October	3.17	4.10	0.28	0.00	0.00	3.82	2.81	2.81	1.01	5.30	0.00
November	1.78	2.30	0.00	0.00	1.01	3.31	1.30	1.30	2.01	5.30	0.18
December	3.88	5.02	0.58	0.00	2.01	6.46	0.98	0.98	5.48	5.30	4.56
January	6.23	8.06	2.04	0.00	5.30	11.32	1.46	1.46	9.86	5.30	6.23
February	10.79	13.96	6.08	0.00	5.30	13.18	1.65	1.65	11.53	5.30	4.98
March	9.38	12.14	4.72	0.00	5.30	12.72	2.44	2.44	10.28	5.30	2.85
April	5.83	7.54	1.75	0.00	5.30	11.10	2.95	2.95	8.15	5.30	0.00
May	0.68	0.88	0.00	0.00	5.30	6.18	3.91	3.91	2.27	5.30	0.00
June	0.71	0.92	0.00	0.00	2.27	3.19	4.25	4.25	0.00	5.30	0.00
July	0.38	0.49	0.00	0.00	0.00	0.49	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.18	0.23	0.00	0.00	0.00	0.23	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											18.803

43.01 55.65 15.43 27.7%

1958-1959											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		0.35	0.00	0.00	0.00	0.35	2.81	2.81	0.00	5.30	0.00
October	0.27	0.35	0.00	0.00	0.00	0.65	1.30	1.30	0.00	5.30	0.00
November	0.50	0.65	0.00	0.00	0.00	2.44	0.98	0.98	1.46	5.30	0.00
December	1.89	2.45	0.01	0.00	0.00	1.46	1.46	1.46	5.32	5.30	0.02
January	5.07	6.56	1.24	0.00	1.46	6.78	1.65	1.65	9.33	5.30	4.03
February	5.64	7.30	1.61	0.00	5.30	10.98	2.44	2.44	3.69	5.30	0.00
March	0.64	0.83	0.00	0.00	5.30	6.13	2.95	2.95	1.28	5.30	0.00
April	0.42	0.54	0.00	0.00	3.69	4.23	3.91	3.91	0.00	5.30	0.00
May	0.36	0.47	0.00	0.00	1.28	1.75	4.25	4.25	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
August	0.21	0.27	0.00	0.00	0.00	0.27	3.54	3.54	0.72	5.30	0.00
September	3.66	4.74	0.48	0.00	0.00	4.26					
Total yield											4.056

18.66 24.14 3.33 13.8%

1959-1960											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		0.52	0.00	0.00	0.72	1.24	2.81	2.81	0.00	5.30	0.00
October	0.40	0.52	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
November	0.00	0.00	0.00	0.00	0.00	2.54	0.98	0.98	1.56	5.30	0.00
December	1.97	2.55	0.01	0.00	0.00	7.02	1.46	1.46	5.56	5.30	0.26
January	5.29	6.84	1.38	0.00	1.56	10.34	1.65	1.65	8.69	5.30	3.39
February	4.66	6.03	0.99	0.00	5.30	10.34	2.44	2.44	5.31	5.30	0.01
March	1.90	2.46	0.01	0.00	5.30	7.75	2.95	2.95	3.99	5.30	0.00
April	1.27	1.64	0.00	0.00	3.99	4.91	3.91	3.91	1.00	5.30	0.00
May	0.71	0.92	0.00	0.00	1.00	1.00	4.25	4.25	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00					
Total yield											3.667

16.20 20.96 2.38 11.4%

1960-1961											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		1.14	0.00	0.00	0.00	1.14	2.81	2.81	0.00	5.30	0.00
October	0.88	1.14	0.00	0.00	0.00	1.14	2.81	2.81	0.00	5.30	0.00
November	5.12	6.62	1.27	0.00	0.00	5.36	1.30	1.30	4.06	5.30	0.00
December	1.70	2.20	0.00	0.00	4.06	6.26	0.98	0.98	5.28	5.30	2.15
January	2.98	3.86	0.22	0.00	5.28	8.91	1.46	1.46	7.45	5.30	0.79
February	1.89	2.45	0.01	0.00	5.30	7.74	1.65	1.65	6.09	5.30	1.46
March	3.25	4.21	0.31	0.00	5.30	9.20	2.44	2.44	6.76	5.30	0.00
April	1.06	1.37	0.00	0.00	5.30	6.67	2.95	2.95	3.72	5.30	0.00
May	1.73	2.24	0.00	0.00	3.72	5.96	3.91	3.91	2.05	5.30	0.00
June	0.22	0.28	0.00	0.00	2.05	2.33	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.10	0.13	0.00	0.00	0.00	0.13	4.15	4.15	0.00	5.30	0.00
September	0.57	0.74	0.00	0.00	0.00	0.74	3.54	3.54	0.00	5.30	0.00
Total yield											4.400

19.50 25.23 1.80 7.1%

Percolation Denniston Upland Subarea

1961-1962											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.12	0.16	0.00	0.00	0.00	0.16	2.81	2.81	0.00	5.30	0.00
November	3.66	4.74	0.48	0.00	0.00	4.26	1.30	1.30	2.96	5.30	0.00
December	3.18	4.11	0.28	0.00	2.96	6.79	0.98	0.98	5.81	5.30	0.51
January	2.09	2.70	0.02	0.00	5.30	7.98	1.46	1.46	6.52	5.30	1.22
February	8.64	11.18	4.04	0.00	5.30	12.44	1.65	1.65	10.79	5.30	5.49
March	3.52	4.55	0.42	0.00	5.30	9.44	2.44	2.44	7.00	5.30	1.70
April	0.82	1.06	0.00	0.00	5.30	6.36	2.95	2.95	3.41	5.30	0.00
May	0.24	0.31	0.00	0.00	3.41	3.72	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.29	0.38	0.00	0.00	0.00	0.38	4.15	4.15	0.00	5.30	0.00
September	0.51	0.66	0.00	0.00	0.00	0.66	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											8.927

23.07 29.85 5.23 17.5%

1962-1963											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	10.97	14.19	6.26	0.00	0.00	7.94	2.81	2.81	5.13	5.30	0.00
November	0.60	0.78	0.00	0.00	5.13	5.90	1.30	1.30	4.60	5.30	0.00
December	3.57	4.62	0.44	0.00	4.60	8.79	0.98	0.98	7.81	5.30	2.51
January	3.44	4.45	0.38	0.00	5.30	9.37	1.46	1.46	7.91	5.30	2.61
February	3.65	4.72	0.47	0.00	5.30	9.55	1.65	1.65	7.90	5.30	2.60
March	4.33	5.60	0.80	0.00	5.30	10.10	2.44	2.44	7.66	5.30	2.36
April	5.08	6.57	1.24	0.00	5.30	10.63	2.95	2.95	7.68	5.30	2.38
May	0.64	0.83	0.00	0.00	5.30	6.13	3.91	3.91	2.22	5.30	0.00
June	0.00	0.00	0.00	0.00	2.22	2.22	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.03	0.04	0.00	0.00	0.00	0.04	4.15	4.15	0.00	5.30	0.00
September	0.09	0.12	0.00	0.00	0.00	0.12	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											12.456

32.40 41.92 9.59 22.9%

1963-1964											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.48	3.21	0.08	0.00	0.00	3.12	2.81	2.81	0.31	5.30	0.00
November	4.00	5.18	0.63	0.00	0.31	4.86	1.30	1.30	3.56	5.30	0.00
December	1.04	1.35	0.00	0.00	3.56	4.90	0.98	0.98	3.92	5.30	0.00
January	5.32	6.88	1.40	0.00	3.92	9.41	1.46	1.46	7.95	5.30	2.65
February	0.52	0.67	0.00	0.00	5.30	5.97	1.65	1.65	4.32	5.30	0.00
March	2.46	3.18	0.08	0.00	4.32	7.43	2.44	2.44	4.99	5.30	0.00
April	0.23	0.30	0.00	0.00	4.99	5.28	2.95	2.95	2.33	5.30	0.00
May	0.47	0.61	0.00	0.00	2.33	2.94	3.91	3.91	0.00	5.30	0.00
June	0.58	0.75	0.00	0.00	0.00	0.75	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											2.647

17.10 22.13 2.20 9.9%

1964-1965											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.89	2.45	0.01	0.00	0.00	2.44	2.81	2.81	0.00	5.30	0.00
November	3.11	4.02	0.26	0.00	0.00	3.76	1.30	1.30	2.46	5.30	0.00
December	7.50	9.70	3.04	0.00	2.46	9.13	0.98	0.98	8.15	5.30	2.85
January	4.41	5.71	0.85	0.00	5.30	10.16	1.46	1.46	8.70	5.30	3.40
February	1.40	1.81	0.00	0.00	5.30	7.11	1.65	1.65	5.46	5.30	0.16
March	1.58	2.04	0.00	0.00	5.30	7.34	2.44	2.44	4.90	5.30	0.00
April	5.22	6.75	1.33	0.00	4.90	10.33	2.95	2.95	7.38	5.30	2.08
May	0.00	0.00	0.00	0.00	5.30	5.30	3.91	3.91	1.39	5.30	0.00
June	0.06	0.08	0.00	0.00	1.39	1.47	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.23	0.30	0.00	0.00	0.00	0.30	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											8.481

25.40 32.87 5.49 16.7%

1965-1966											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November	5.58	7.22	1.57	0.00	0.00	5.65	1.30	1.30	4.35	5.30	0.00
December	4.96	6.42	1.17	0.00	4.35	9.60	0.98	0.98	8.62	5.30	3.32
January	3.77	4.88	0.52	0.00	5.30	9.65	1.46	1.46	8.19	5.30	2.89
February	3.51	4.54	0.41	0.00	5.30	9.43	1.65	1.65	7.78	5.30	2.48
March	0.68	0.88	0.00	0.00	5.30	6.18	2.44	2.44	3.74	5.30	0.00
April	0.71	0.92	0.00	0.00	3.74	4.66	2.95	2.95	1.71	5.30	0.00
May	0.20	0.26	0.00	0.00	1.71	1.97	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.12	0.16	0.00	0.00	0.00	0.16	4.27	4.27	0.00	5.30	0.00
August	0.27	0.35	0.00	0.00	0.00	0.35	4.15	4.15	0.00	5.30	0.00
September	0.25	0.32	0.00	0.00	0.00	0.32	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											8.690

20.05 25.94 3.68 14.2%

Percolation Denniston Upland Subarea

1966-1967														
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation			
						0.00	2.81	2.81	0.00	5.30	0.00			
October	0.00	0.00	0.00	0.00	0.00	5.39	1.30	1.30	4.09	5.30	0.00			
November	5.18	6.70	1.31	0.00	0.00	8.32	0.98	0.98	7.34	5.30	2.04			
December	3.62	4.68	0.46	0.00	4.09	5.30	1.46	1.46	11.62	5.30	6.32			
January	10.44	13.51	5.73	0.00	5.30	13.08	1.65	1.65	3.97	5.30	0.00			
February	0.25	0.32	0.00	0.00	5.30	5.62	2.44	2.44	7.53	5.30	2.23			
March	6.18	8.00	2.00	0.00	3.97	9.97	2.95	2.95	8.98	5.30	3.68			
April	7.43	9.61	2.98	0.00	5.30	11.93	3.91	3.91	1.71	5.30	0.00			
May	0.25	0.32	0.00	0.00	5.30	5.62	4.25	4.25	0.00	5.30	0.00			
June	1.44	1.86	0.00	0.00	1.71	3.58	4.27	4.27	0.00	5.30	0.00			
July	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00			
August	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00			
September	0.00	0.00	0.00	0.00	0.00	0.00								
										Total Mean Yield	14.265			
											34.79	45.01	12.48	27.7%

1967-1968														
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation			
						0.98	2.81	2.81	0.00	5.30	0.00			
October	0.76	0.98	0.00	0.00	0.00	2.73	1.30	1.30	1.43	5.30	0.00			
November	2.13	2.76	0.03	0.00	0.00	4.98	0.98	0.98	4.00	5.30	0.00			
December	2.89	3.74	0.19	0.00	1.43	10.00	1.46	1.46	8.54	5.30	3.24			
January	6.19	8.01	2.01	0.00	4.00	8.57	1.65	1.65	6.92	5.30	1.62			
February	2.62	3.39	0.12	0.00	5.30	11.07	2.44	2.44	8.63	5.30	3.33			
March	5.78	7.48	1.71	0.00	5.30	6.09	2.95	2.95	3.14	5.30	0.00			
April	0.61	0.79	0.00	0.00	5.30	6.09	3.91	3.91	0.00	5.30	0.00			
May	0.24	0.31	0.00	0.00	3.14	3.45	4.25	4.25	0.00	5.30	0.00			
June	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00			
July	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00			
August	0.28	0.36	0.00	0.00	0.00	0.36	3.54	3.54	0.00	5.30	0.00			
September	0.00	0.00	0.00	0.00	0.00	0.00								
										Total Mean Yield	8.192			
											21.50	27.82	4.05	14.6%

1968-1969														
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation			
						0.84	2.81	2.81	0.00	5.30	0.00			
October	0.65	0.84	0.00	0.00	0.00	3.35	1.30	1.30	2.05	5.30	0.00			
November	2.69	3.48	0.13	0.00	0.00	7.88	0.98	0.98	6.90	5.30	1.60			
December	5.90	7.63	1.80	0.00	2.05	12.21	1.46	1.46	10.75	5.30	5.45			
January	8.06	10.43	3.52	0.00	5.30	12.46	1.65	1.65	10.81	5.30	5.51			
February	8.68	11.23	4.07	0.00	5.30	7.96	2.44	2.44	5.52	5.30	0.22			
March	2.07	2.68	0.02	0.00	5.30	8.72	2.95	2.95	5.77	5.30	0.47			
April	2.76	3.57	0.15	0.00	5.30	8.72	3.91	3.91	1.47	5.30	0.00			
May	0.06	0.08	0.00	0.00	5.30	5.38	4.25	4.25	0.00	5.30	0.00			
June	0.40	0.52	0.00	0.00	1.47	1.99	4.27	4.27	0.00	5.30	0.00			
July	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00			
August	0.00	0.00	0.00	0.00	0.00	0.27	3.54	3.54	0.00	5.30	0.00			
September	0.21	0.27	0.00	0.00	0.00	0.00								
										Total Mean Yield	13.249			
											31.48	40.73	9.70	23.8%

1969-1970														
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation			
						2.24	2.81	2.81	0.00	5.30	0.00			
October	1.73	2.24	0.00	0.00	0.00	0.98	1.30	1.30	0.00	5.30	0.00			
November	0.76	0.98	0.00	0.00	0.00	4.96	0.98	0.98	3.98	5.30	0.00			
December	4.55	5.89	0.93	0.00	0.00	11.07	1.46	1.46	9.61	5.30	4.31			
January	8.49	10.99	3.90	0.00	3.98	8.24	1.65	1.65	6.59	5.30	1.29			
February	2.31	2.99	0.05	0.00	5.30	7.92	2.44	2.44	5.48	5.30	0.18			
March	2.04	2.64	0.02	0.00	5.30	5.71	2.95	2.95	2.76	5.30	0.00			
April	0.32	0.41	0.00	0.00	2.76	3.11	3.91	3.91	0.00	5.30	0.00			
May	0.27	0.35	0.00	0.00	0.00	0.27	4.25	4.25	0.00	5.30	0.00			
June	0.21	0.27	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00			
July	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00			
August	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00			
September	0.00	0.00	0.00	0.00	0.00	0.00								
										Total Mean Yield	5.775			
											20.68	26.76	4.90	18.3%

1970-1971														
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation			
						1.16	2.81	2.81	0.00	5.30	0.00			
October	0.90	1.16	0.00	0.00	0.00	7.05	1.30	1.30	5.75	5.30	0.45			
November	8.41	10.88	3.83	0.00	0.00	12.04	0.98	0.98	11.06	5.30	5.76			
December	7.67	9.92	3.19	0.00	5.30	7.38	1.46	1.46	5.92	5.30	0.62			
January	1.61	2.08	0.00	0.00	5.30	6.28	1.65	1.65	4.63	5.30	0.00			
February	0.76	0.98	0.00	0.00	5.30	8.75	2.44	2.44	6.31	5.30	1.01			
March	3.49	4.52	0.40	0.00	4.63	7.25	2.95	2.95	4.30	5.30	0.00			
April	1.51	1.95	0.00	0.00	5.30	4.99	3.91	3.91	1.08	5.30	0.00			
May	0.53	0.69	0.00	0.00	4.30	1.18	4.25	4.25	0.00	5.30	0.00			
June	0.08	0.10	0.00	0.00	1.08	0.36	4.27	4.27	0.00	5.30	0.00			
July	0.28	0.36	0.00	0.00	0.00	0.47	4.15	4.15	0.00	5.30	0.00			
August	0.36	0.47	0.00	0.00	0.00	0.52	3.54	3.54	0.00	5.30	0.00			
September	0.40	0.52	0.00	0.00	0.00	0.00								
										Total Mean Yield	7.839			
											26.00	33.64	7.42	22.1%

Percolation Denniston Upland Subarea

1971-1972											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.23	0.30	0.00	0.00	0.00	0.30	2.81	2.81	0.00	5.30	0.00
November	2.29	2.96	0.05	0.00	0.00	2.91	1.30	1.30	1.61	5.30	0.00
December	5.10	6.60	1.26	0.00	1.61	6.96	0.98	0.98	5.98	5.30	0.68
January	1.27	1.64	0.00	0.00	5.30	6.94	1.46	1.46	5.48	5.30	0.18
February	1.33	1.72	0.00	0.00	5.30	7.02	1.65	1.65	5.37	5.30	0.07
March	0.19	0.25	0.00	0.00	5.30	5.55	2.44	2.44	3.11	5.30	0.00
April	1.25	1.62	0.00	0.00	3.11	4.72	2.95	2.95	1.77	5.30	0.00
May	0.11	0.14	0.00	0.00	1.77	1.92	3.91	3.91	0.00	5.30	0.00
June	0.28	0.36	0.00	0.00	0.00	0.36	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.98	1.27	0.00	0.00	0.00	1.27	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											0.930

13.03

16.86

1.31

7.7%

1972-1973											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	6.90	8.93	2.55	0.00	0.00	6.37	2.81	2.81	3.56	5.30	0.00
November	6.49	8.40	2.23	0.00	3.56	9.73	1.30	1.30	8.43	5.30	3.13
December	3.17	4.10	0.28	0.00	5.30	9.12	0.98	0.98	8.14	5.30	2.84
January	8.78	11.36	4.16	0.00	5.30	12.50	1.46	1.46	11.04	5.30	5.74
February	7.33	9.48	2.90	0.00	5.30	11.88	1.65	1.65	10.23	5.30	4.93
March	0.00	0.00	0.00	0.00	5.30	5.30	2.44	2.44	2.86	5.30	0.00
April	0.23	0.30	0.00	0.00	2.86	3.16	2.95	2.95	0.21	5.30	0.00
May	0.21	0.27	0.00	0.00	0.21	0.48	3.91	3.91	0.00	5.30	0.00
June	0.05	0.06	0.00	0.00	0.00	0.06	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.09	0.12	0.00	0.00	0.00	0.12	4.15	4.15	0.00	5.30	0.00
September	0.62	0.80	0.00	0.00	0.00	0.80	3.54	3.54	0.00	5.30	0.00
Total yield											16.640

33.87

43.82

12.13

27.7%

1973-1974											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.04	3.93	0.24	0.00	0.00	3.70	2.81	2.81	0.89	5.30	0.00
November	9.50	12.29	4.83	0.00	0.89	8.35	1.30	1.30	7.05	5.30	1.75
December	6.32	8.18	2.10	0.00	5.30	11.37	0.98	0.98	10.39	5.30	5.09
January	4.87	6.30	1.11	0.00	5.30	10.49	1.46	1.46	9.03	5.30	3.73
February	2.16	2.79	0.03	0.00	5.30	8.06	1.65	1.65	6.41	5.30	1.11
March	7.20	9.32	2.80	0.00	5.30	11.82	2.44	2.44	9.38	5.30	4.08
April	3.22	4.17	0.30	0.00	5.30	9.17	2.95	2.95	6.22	5.30	0.92
May	0.01	0.01	0.00	0.00	5.30	5.31	3.91	3.91	1.40	5.30	0.00
June	0.50	0.65	0.00	0.00	1.40	2.05	4.25	4.25	0.00	5.30	0.00
July	1.01	1.31	0.00	0.00	0.00	1.31	4.27	4.27	0.00	5.30	0.00
August	0.13	0.17	0.00	0.00	0.00	0.17	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total yield											16.684

37.96

49.12

11.41

23.2%

1974-1975											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.36	1.76	0.00	0.00	0.00	1.76	2.81	2.81	0.00	5.30	0.00
November	0.64	0.83	0.00	0.00	0.00	0.83	1.30	1.30	0.00	5.30	0.00
December	3.64	4.71	0.47	0.00	0.00	4.24	0.98	0.98	3.26	5.30	0.00
January	2.95	3.82	0.21	0.00	3.26	6.87	1.46	1.46	5.41	5.30	0.11
February	4.88	6.31	1.12	0.00	5.30	10.49	1.65	1.65	8.84	5.30	3.54
March	7.11	9.20	2.72	0.00	5.30	11.78	2.44	2.44	9.34	5.30	4.04
April	2.14	2.77	0.03	0.00	5.30	8.04	2.95	2.95	5.09	5.30	0.00
May	0.10	0.13	0.00	0.00	5.09	5.22	3.91	3.91	1.31	5.30	0.00
June	0.28	0.36	0.00	0.00	1.31	1.67	4.25	4.25	0.00	5.30	0.00
July	0.52	0.67	0.00	0.00	0.00	0.67	4.27	4.27	0.00	5.30	0.00
August	0.59	0.76	0.00	0.00	0.00	0.76	4.15	4.15	0.00	5.30	0.00
September	0.02	0.03	0.00	0.00	0.00	0.03	3.54	3.54	0.00	5.30	0.00
Total yield											7.695

24.23

31.35

4.54

14.5%

1975-1976											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	4.49	5.81	0.89	0.00	0.00	4.92	2.81	2.81	2.11	5.30	0.00
November	0.85	1.10	0.00	0.00	2.11	3.21	1.30	1.30	1.91	5.30	0.00
December	0.69	0.89	0.00	0.00	1.91	2.80	0.98	0.98	1.82	5.30	0.00
January	0.52	0.67	0.00	0.00	1.82	2.49	1.46	1.46	1.03	5.30	0.00
February	2.54	3.29	0.10	0.00	1.03	4.22	1.65	1.65	2.57	5.30	0.00
March	1.13	1.48	0.00	0.00	2.57	4.03	2.44	2.44	1.59	5.30	0.00
April	2.04	2.64	0.02	0.00	1.59	4.22	2.95	2.95	1.27	5.30	0.00
May	0.13	0.17	0.00	0.00	1.27	1.44	3.91	3.91	0.00	5.30	0.00
June	0.04	0.05	0.00	0.00	0.00	0.05	4.25	4.25	0.00	5.30	0.00
July	0.14	0.18	0.00	0.00	0.00	0.18	4.27	4.27	0.00	5.30	0.00
August	1.56	2.02	0.00	0.00	0.00	2.02	4.15	4.15	0.00	5.30	0.00
September	0.59	0.76	0.00	0.00	0.00	0.76	3.54	3.54	0.00	5.30	0.00
Total yield											0.000

14.72

19.05

1.01

5.3%

Percolation Denniston Upland Subarea

1976-1977											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.30	0.39	0.00	0.00	0.00	0.39	2.81	2.81	0.00	5.30	0.00
November	1.73	2.24	0.00	0.00	0.00	2.24	1.30	1.30	0.94	5.30	0.00
December	2.41	3.12	0.07	0.00	0.94	3.99	0.98	0.98	3.01	5.30	0.00
January	2.26	2.92	0.04	0.00	3.01	5.89	1.46	1.46	4.43	5.30	0.00
February	1.31	1.70	0.00	0.00	4.43	6.12	1.65	1.65	4.47	5.30	0.53
March	3.15	4.08	0.27	0.00	4.47	8.27	2.44	2.44	5.83	5.30	0.00
April	0.20	0.26	0.00	0.00	5.30	5.56	2.95	2.95	2.61	5.30	0.00
May	1.23	1.59	0.00	0.00	2.61	4.20	3.91	3.91	0.29	5.30	0.00
June	0.00	0.00	0.00	0.00	0.29	0.29	4.25	4.25	0.00	5.30	0.00
July	0.16	0.21	0.00	0.00	0.00	0.21	4.27	4.27	0.00	5.30	0.00
August	0.27	0.35	0.00	0.00	0.00	0.35	4.15	4.15	0.00	5.30	0.00
September	1.59	2.06	0.00	0.00	0.00	2.06	3.54	3.54	0.00	5.30	0.00
Total yield											0.533
14.61		18.90		0.39		2.1%					

1977-1978											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.47	0.61	0.00	0.00	0.00	0.61	2.81	2.81	0.00	5.30	0.00
November	3.37	4.36	0.35	0.00	0.00	4.01	1.30	1.30	2.71	5.30	0.00
December	5.60	7.25	1.59	0.00	2.71	8.36	0.98	0.98	7.38	5.30	2.08
January	9.01	11.66	4.37	0.00	5.30	12.59	1.46	1.46	11.13	5.30	5.83
February	5.62	7.27	1.60	0.00	5.30	10.97	1.65	1.65	9.32	5.30	4.02
March	5.58	7.22	1.57	0.00	5.30	10.95	2.44	2.44	8.51	5.30	3.21
April	4.50	5.82	0.90	0.00	5.30	10.23	2.95	2.95	7.28	5.30	1.98
May	0.00	0.00	0.00	0.00	5.30	5.30	3.91	3.91	1.39	5.30	0.00
June	0.00	0.00	0.00	0.00	1.39	1.39	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total yield											17.114
34.15		44.19		10.38		23.5%					

1978-1979											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.05	0.06	0.00	0.00	0.00	0.06	2.81	2.81	0.00	5.30	0.00
November	3.04	3.93	0.24	0.00	0.00	3.70	1.30	1.30	2.40	5.30	0.00
December	0.83	1.07	0.00	0.00	2.40	3.47	0.98	0.98	2.49	5.30	0.00
January	8.11	10.49	3.57	0.00	2.49	9.42	1.46	1.46	7.96	5.30	2.66
February	6.27	8.11	2.07	0.00	5.30	11.35	1.65	1.65	9.70	5.30	4.40
March	4.83	6.25	1.09	0.00	5.30	10.46	2.44	2.44	8.02	5.30	2.72
April	0.89	1.15	0.00	0.00	5.30	6.45	2.95	2.95	3.50	5.30	0.00
May	0.85	1.10	0.00	0.00	3.50	4.60	3.91	3.91	0.69	5.30	0.00
June	0.00	0.00	0.00	0.00	0.69	0.69	4.25	4.25	0.00	5.30	0.00
July	0.29	0.38	0.00	0.00	0.00	0.38	4.27	4.27	0.00	5.30	0.00
August	0.13	0.17	0.00	0.00	0.00	0.17	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total yield											9.775
25.29		32.72		6.96		21.3%					

1979-1980											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.23	4.18	0.30	0.00	0.00	3.88	2.81	2.81	1.07	5.30	0.00
November	3.97	5.14	0.62	0.00	1.07	5.59	1.30	1.30	4.29	5.30	0.00
December	5.76	7.45	1.70	0.00	4.29	10.04	0.98	0.98	9.06	5.30	3.76
January	5.40	6.99	1.45	0.00	5.30	10.84	1.46	1.46	9.38	5.30	4.08
February	7.49	9.69	3.03	0.00	5.30	11.96	1.65	1.65	10.31	5.30	5.01
March	1.90	2.46	0.01	0.00	5.30	7.75	2.44	2.44	5.31	5.30	0.01
April	1.88	2.43	0.00	0.00	5.30	7.73	2.95	2.95	4.78	5.30	0.00
May	0.32	0.41	0.00	0.00	4.78	5.19	3.91	3.91	1.28	5.30	0.00
June	0.03	0.04	0.00	0.00	1.28	1.32	4.25	4.25	0.00	5.30	0.00
July	0.07	0.09	0.00	0.00	0.00	0.09	4.27	4.27	0.00	5.30	0.00
August	0.05	0.06	0.00	0.00	0.00	0.06	4.15	4.15	0.00	5.30	0.00
September	0.18	0.23	0.00	0.00	0.00	0.23	3.54	3.54	0.00	5.30	0.00
Total yield											12.855
30.28		39.18		7.12		18.2%					

1980-1981											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.18	0.23	0.00	0.00	0.00	0.23	2.81	2.81	0.00	5.30	0.00
November	0.65	0.84	0.00	0.00	0.00	0.84	1.30	1.30	0.00	5.30	0.00
December	2.44	3.16	0.08	0.00	0.00	3.08	0.98	0.98	2.10	5.30	0.00
January	7.48	9.68	3.03	0.00	2.10	8.75	1.46	1.46	7.29	5.30	1.99
February	2.42	3.13	0.07	0.00	5.30	8.36	1.65	1.65	6.71	5.30	1.41
March	4.71	6.09	1.02	0.00	5.30	10.38	2.44	2.44	7.94	5.30	2.64
April	0.24	0.31	0.00	0.00	5.30	5.61	2.95	2.95	2.66	5.30	0.00
May	0.33	0.43	0.00	0.00	2.66	3.09	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.42	0.54	0.00	0.00	0.00	0.54	4.15	4.15	0.00	5.30	0.00
September	0.37	0.48	0.00	0.00	0.00	0.48	3.54	3.54	0.00	5.30	0.00
Total yield											6.037
19.24		24.89		4.19		16.8%					

Percolation Denniston Upland Subarea

1981-1982

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.98	5.15	0.62	0.00	0.00	4.53	2.81	2.81	1.72	5.30	0.00
November	7.08	9.16	2.70	0.00	1.72	8.18	1.30	1.30	6.88	5.30	1.58
December	6.00	7.76	1.87	0.00	5.30	11.19	0.98	0.98	10.21	5.30	4.91
January	12.01	15.54	7.31	0.00	5.30	13.53	1.46	1.46	12.07	5.30	6.77
February	5.11	6.61	1.26	0.00	5.30	10.65	1.65	1.65	9.00	5.30	3.70
March	7.91	10.23	3.39	0.00	5.30	12.14	2.44	2.44	9.70	5.30	4.40
April	5.02	6.50	1.21	0.00	5.30	10.59	2.95	2.95	7.64	5.30	2.34
May	0.00	0.00	0.00	0.00	5.30	5.30	3.91	3.91	1.39	5.30	0.00
June	0.42	0.54	0.00	0.00	1.39	1.93	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.15	0.19	0.00	0.00	0.00	0.19	4.15	4.15	0.00	5.30	0.00
September	1.73	2.24	0.00	0.00	0.00	2.24	3.54	3.54	0.00	5.30	0.00
Total yield											23.704
49.41 63.93 18.36 28.7%											

1982-1983

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.82	4.94	0.55	0.00	0.00	4.40	2.81	2.81	1.59	5.30	0.00
November	7.03	9.10	2.66	0.00	1.59	8.02	1.30	1.30	6.72	5.30	1.42
December	5.41	7.00	1.46	0.00	5.30	10.84	0.98	0.98	9.86	5.30	4.56
January	8.98	11.62	4.35	0.00	5.30	12.57	1.46	1.46	11.11	5.30	5.81
February	9.14	11.83	4.49	0.00	5.30	12.63	1.65	1.65	10.98	5.30	5.68
March	13.05	16.89	8.40	0.00	5.30	13.79	2.44	2.44	11.35	5.30	6.05
April	3.33	4.31	0.34	0.00	5.30	9.27	2.95	2.95	6.32	5.30	1.02
May	0.89	1.15	0.00	0.00	5.30	6.45	3.91	3.91	2.54	5.30	0.00
June	0.03	0.04	0.00	0.00	2.54	2.58	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.14	0.18	0.00	0.00	0.00	0.18	4.15	4.15	0.00	5.30	0.00
September	0.80	1.04	0.00	0.00	0.00	1.04	3.54	3.54	0.00	5.30	0.00
Total yield											24.552
52.62 68.09 22.24 32.7%											

1983-1984

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.12	1.45	0.00	0.00	0.00	1.45	2.81	2.81	0.00	5.30	0.00
November	8.07	10.44	3.53	0.00	0.00	6.91	1.30	1.30	5.61	5.30	0.31
December	9.46	12.24	4.79	0.00	5.30	12.75	0.98	0.98	11.77	5.30	6.47
January	0.26	0.34	0.00	0.00	5.30	5.64	1.46	1.46	4.18	5.30	0.00
February	2.15	2.78	0.03	0.00	4.18	6.93	1.65	1.65	5.28	5.30	0.00
March	2.12	2.74	0.03	0.00	5.28	8.00	2.44	2.44	5.56	5.30	0.26
April	1.09	1.41	0.00	0.00	5.30	6.71	2.95	2.95	3.76	5.30	0.00
May	0.20	0.26	0.00	0.00	3.76	4.02	3.91	3.91	0.11	5.30	0.00
June	0.46	0.60	0.00	0.00	0.11	0.70	4.25	4.25	0.00	5.30	0.00
July	0.06	0.08	0.00	0.00	0.00	0.08	4.27	4.27	0.00	5.30	0.00
August	0.33	0.43	0.00	0.00	0.00	0.43	4.15	4.15	0.00	5.30	0.00
September	0.18	0.23	0.00	0.00	0.00	0.23	3.54	3.54	0.00	5.30	0.00
Total yield											7.037
25.50 32.99 8.38 25.4%											

1984-1985

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.81	4.93	0.54	0.00	0.00	4.39	2.81	2.81	1.58	5.30	0.00
November	9.86	12.76	5.17	0.00	1.58	9.16	1.30	1.30	7.86	5.30	2.56
December	3.20	4.14	0.29	0.00	5.30	9.15	0.98	0.98	8.17	5.30	2.87
January	1.02	1.32	0.00	0.00	5.30	6.62	1.46	1.46	5.16	5.30	0.00
February	2.90	3.75	0.19	0.00	5.16	8.72	1.65	1.65	7.07	5.30	1.77
March	5.07	6.56	1.24	0.00	5.30	10.62	2.44	2.44	8.18	5.30	2.88
April	0.13	0.17	0.00	0.00	5.30	5.47	2.95	2.95	2.52	5.30	0.00
May	0.32	0.41	0.00	0.00	2.52	2.93	3.91	3.91	0.00	5.30	0.00
June	0.47	0.61	0.00	0.00	0.00	0.61	4.25	4.25	0.00	5.30	0.00
July	0.31	0.40	0.00	0.00	0.00	0.40	4.27	4.27	0.00	5.30	0.00
August	0.05	0.06	0.00	0.00	0.00	0.06	4.15	4.15	0.00	5.30	0.00
September	0.40	0.52	0.00	0.00	0.00	0.52	3.54	3.54	0.00	5.30	0.00
Total yield											10.086
27.54 35.63 7.43 20.9%											

1985-1986

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.51	1.95	0.00	0.00	0.00	1.95	2.81	2.81	0.00	5.30	0.00
November	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	3.18	4.11	0.28	0.00	0.00	3.83	0.98	0.98	2.85	5.30	0.00
January	4.98	6.44	1.18	0.00	2.85	8.11	1.46	1.46	6.65	5.30	1.35
February	11.48	14.85	6.77	0.00	5.30	13.38	1.65	1.65	11.73	5.30	6.43
March	7.12	9.21	2.73	0.00	5.30	11.78	2.44	2.44	9.34	5.30	4.04
April	0.50	0.65	0.00	0.00	5.30	5.95	2.95	2.95	3.00	5.30	0.00
May	0.84	1.09	0.00	0.00	3.00	4.08	3.91	3.91	0.17	5.30	0.00
June	0.09	0.12	0.00	0.00	0.17	0.29	4.25	4.25	0.00	5.30	0.00
July	0.08	0.10	0.00	0.00	0.00	0.10	4.27	4.27	0.00	5.30	0.00
August	0.25	0.32	0.00	0.00	0.00	0.32	4.15	4.15	0.00	5.30	0.00
September	2.20	2.85	0.04	0.00	0.00	2.81	3.54	3.54	0.00	5.30	0.00
Total yield											11.830
32.23 41.70 11.00 26.4%											

Percolation Denniston Upland Subarea

1986-1987											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.42	0.54	0.00	0.00	0.00	0.54	2.81	2.81	0.00	5.30	0.00
November	0.32	0.41	0.00	0.00	0.00	0.41	1.30	1.30	0.00	5.30	0.00
December	3.10	4.01	0.26	0.00	0.00	3.76	0.98	0.98	2.78	5.30	0.00
January	5.10	6.60	1.26	0.00	2.78	8.12	1.46	1.46	6.66	5.30	1.36
February	3.87	5.01	0.57	0.00	5.30	9.74	1.65	1.65	8.09	5.30	2.79
March	4.16	5.38	0.71	0.00	5.30	9.97	2.44	2.44	7.53	5.30	2.23
April	0.95	1.23	0.00	0.00	5.30	6.53	2.95	2.95	3.58	5.30	0.00
May	0.06	0.08	0.00	0.00	3.58	3.66	3.91	3.91	0.00	5.30	0.00
June	0.08	0.10	0.00	0.00	0.00	0.10	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.10	0.13	0.00	0.00	0.00	0.13	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total yield											6.372
18.16		23.50		2.80		11.9%					

1987-1988											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.13	2.76	0.03	0.00	0.00	2.73	2.81	2.81	0.00	5.30	0.00
November	2.63	3.40	0.12	0.00	0.00	3.28	1.30	1.30	1.98	5.30	0.00
December	6.03	7.80	1.89	0.00	1.98	7.90	0.98	0.98	6.92	5.30	1.62
January	4.48	5.80	0.89	0.00	5.30	10.21	1.46	1.46	8.75	5.30	3.45
February	0.58	0.75	0.00	0.00	5.30	6.05	1.65	1.65	4.40	5.30	0.00
March	0.12	0.16	0.00	0.00	4.40	4.56	2.44	2.44	2.12	5.30	0.00
April	3.04	3.93	0.24	0.00	2.12	5.81	2.95	2.95	2.86	5.30	0.00
May	0.69	0.89	0.00	0.00	2.86	3.76	3.91	3.91	0.00	5.30	0.00
June	0.29	0.38	0.00	0.00	0.00	0.38	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.01	0.01	0.00	0.00	0.00	0.01	4.15	4.15	0.00	5.30	0.00
September	0.02	0.03	0.00	0.00	0.00	0.03	3.54	3.54	0.00	5.30	0.00
Total yield											5.067
20.02		25.90		3.16		12.2%					

1988-1989											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.94	1.22	0.00	0.00	0.00	1.22	2.81	2.81	0.00	5.30	0.00
November	3.55	4.59	0.43	0.00	0.00	4.17	1.30	1.30	2.87	5.30	0.00
December	5.17	6.69	1.30	0.00	2.87	8.25	0.98	0.98	7.27	5.30	1.97
January	2.01	2.60	0.01	0.00	5.30	7.89	1.46	1.46	6.43	5.30	1.13
February	1.30	1.68	0.00	0.00	5.30	6.98	1.65	1.65	5.33	5.30	0.03
March	7.95	10.29	3.43	0.00	5.30	12.16	2.44	2.44	9.72	5.30	4.42
April	1.83	2.37	0.00	0.00	5.30	7.67	2.95	2.95	4.72	5.30	0.00
May	0.31	0.40	0.00	0.00	4.72	5.12	3.91	3.91	1.21	5.30	0.00
June	0.10	0.13	0.00	0.00	1.21	1.34	4.25	4.25	0.00	5.30	0.00
July	0.13	0.17	0.00	0.00	0.00	0.17	4.27	4.27	0.00	5.30	0.00
August	0.27	0.35	0.00	0.00	0.00	0.35	4.15	4.15	0.00	5.30	0.00
September	0.95	1.23	0.00	0.00	0.00	1.23	3.54	3.54	0.00	5.30	0.00
Total yield											7.553
24.51		31.71		5.17		16.3%					

1989-1990											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.05	2.65	0.02	0.00	0.00	2.63	2.81	2.81	0.00	5.30	0.00
November	1.95	2.52	0.01	0.00	0.00	2.51	1.30	1.30	1.21	5.30	0.00
December	0.03	0.04	0.00	0.00	1.21	1.25	0.98	0.98	0.27	5.30	0.00
January	4.29	5.55	0.78	0.00	0.27	5.04	1.46	1.46	3.58	5.30	0.00
February	2.52	3.26	0.09	0.00	3.58	6.75	1.65	1.65	5.10	5.30	0.00
March	1.33	1.72	0.00	0.00	5.10	6.82	2.44	2.44	4.38	5.30	0.00
April	0.29	0.38	0.00	0.00	4.38	4.75	2.95	2.95	1.80	5.30	0.00
May	2.82	3.65	0.17	0.00	1.80	5.28	3.91	3.91	1.37	5.30	0.00
June	0.46	0.60	0.00	0.00	1.37	1.97	4.25	4.25	0.00	5.30	0.00
July	0.24	0.31	0.00	0.00	0.00	0.31	4.27	4.27	0.00	5.30	0.00
August	0.14	0.18	0.00	0.00	0.00	0.18	4.15	4.15	0.00	5.30	0.00
September	0.33	0.43	0.00	0.00	0.00	0.43	3.54	3.54	0.00	5.30	0.00
Total yield											0.000
16.45		21.28		1.07		5.0%					

1990-1991											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.55	0.71	0.00	0.00	0.00	0.71	2.81	2.81	0.00	5.30	0.00
November	0.74	0.96	0.00	0.00	0.00	0.96	1.30	1.30	0.00	5.30	0.00
December	2.58	3.34	0.11	0.00	0.00	3.23	0.98	0.98	2.25	5.30	0.00
January	0.56	0.72	0.00	0.00	2.25	2.98	1.46	1.46	1.52	5.30	0.00
February	4.19	5.42	0.73	0.00	1.52	6.21	1.65	1.65	4.56	5.30	0.00
March	8.81	11.40	4.19	0.00	4.56	11.77	2.44	2.44	9.33	5.30	4.03
April	0.90	1.16	0.00	0.00	5.30	6.46	2.95	2.95	3.51	5.30	0.00
May	0.67	0.87	0.00	0.00	3.51	4.38	3.91	3.91	0.47	5.30	0.00
June	0.32	0.41	0.00	0.00	0.47	0.89	4.25	4.25	0.00	5.30	0.00
July	0.27	0.35	0.00	0.00	0.00	0.35	4.27	4.27	0.00	5.30	0.00
August	0.92	1.19	0.00	0.00	0.00	1.19	4.15	4.15	0.00	5.30	0.00
September	0.25	0.32	0.00	0.00	0.00	0.32	3.54	3.54	0.00	5.30	0.00
Total yield											4.028
20.76		26.86		5.03		18.7%					

Percolation Denniston Upland Subarea

1991-1992											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.63	3.40	0.12	0.00	0.00	3.28	2.81	2.81	0.47	5.30	0.00
November	1.01	1.31	0.00	0.00	0.47	1.78	1.30	1.30	0.48	5.30	0.00
December	3.60	4.66	0.45	0.00	0.48	4.69	0.98	0.98	3.71	5.30	0.00
January	3.18	4.11	0.28	0.00	3.71	7.54	1.46	1.46	6.08	5.30	0.78
February	8.70	11.26	4.09	0.00	5.30	12.47	1.65	1.65	10.82	5.30	5.52
March	3.45	4.46	0.39	0.00	5.30	9.38	2.44	2.44	6.94	5.30	1.64
April	0.40	0.52	0.00	0.00	5.30	5.82	2.95	2.95	2.87	5.30	0.00
May	0.06	0.08	0.00	0.00	2.87	2.95	3.91	3.91	0.00	5.30	0.00
June	0.84	1.09	0.00	0.00	0.00	1.09	4.25	4.25	0.00	5.30	0.00
July	0.02	0.03	0.00	0.00	0.00	0.03	4.27	4.27	0.00	5.30	0.00
August	0.18	0.23	0.00	0.00	0.00	0.23	4.15	4.15	0.00	5.30	0.00
September	0.12	0.16	0.00	0.00	0.00	0.16	3.54	3.54	0.00	5.30	0.00
Total yield											7.936
24.19		31.30		5.33		17.0%					

1992-1993											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.88	3.73	0.19	0.00	0.00	3.54	2.81	2.81	0.73	5.30	0.00
November	0.67	0.87	0.00	0.00	0.73	1.60	1.30	1.30	0.30	5.30	0.00
December	8.10	10.48	3.56	0.00	0.30	7.22	0.98	0.98	6.24	5.30	0.94
January	9.21	11.92	4.56	0.00	5.30	12.66	1.46	1.46	11.20	5.30	5.90
February	5.59	7.23	1.58	0.00	5.30	10.95	1.65	1.65	9.30	5.30	4.00
March	2.79	3.61	0.16	0.00	5.30	8.75	2.44	2.44	6.31	5.30	1.01
April	1.68	2.17	0.00	0.00	5.30	7.47	2.95	2.95	4.52	5.30	0.00
May	1.38	1.79	0.00	0.00	4.52	6.31	3.91	3.91	2.40	5.30	0.00
June	0.48	0.62	0.00	0.00	2.40	3.02	4.25	4.25	0.00	5.30	0.00
July	0.06	0.08	0.00	0.00	0.00	0.08	4.27	4.27	0.00	5.30	0.00
August	0.17	0.22	0.00	0.00	0.00	0.22	4.15	4.15	0.00	5.30	0.00
September	0.21	0.27	0.00	0.00	0.00	0.27	3.54	3.54	0.00	5.30	0.00
Total yield											11.854
33.22		42.98		10.04		23.4%					

1993-1994											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.62	0.80	0.00	0.00	0.00	0.80	2.81	2.81	0.00	5.30	0.00
November	1.55	2.01	0.00	0.00	0.00	2.01	1.30	1.30	0.71	5.30	0.00
December	2.77	3.58	0.15	0.00	0.71	4.13	0.98	0.98	3.15	5.30	0.00
January	2.63	3.40	0.12	0.00	3.15	6.44	1.46	1.46	4.98	5.30	0.00
February	5.61	7.26	1.59	0.00	4.98	10.64	1.65	1.65	8.99	5.30	3.69
March	0.77	1.00	0.00	0.00	5.30	6.30	2.44	2.44	3.86	5.30	0.00
April	1.85	2.39	0.00	0.00	3.86	6.25	2.95	2.95	3.30	5.30	0.00
May	1.64	2.12	0.00	0.00	3.30	5.42	3.91	3.91	1.51	5.30	0.00
June	0.11	0.14	0.00	0.00	1.51	1.65	4.25	4.25	0.00	5.30	0.00
July	0.13	0.17	0.00	0.00	0.00	0.17	4.27	4.27	0.00	5.30	0.00
August	0.17	0.22	0.00	0.00	0.00	0.22	4.15	4.15	0.00	5.30	0.00
September	0.09	0.12	0.00	0.00	0.00	0.12	3.54	3.54	0.00	5.30	0.00
Total yield											3.695
17.94		23.21		1.87		8.1%					

1994-1995											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.08	0.10	0.00	0.00	0.00	0.10	2.81	2.81	0.00	5.30	0.00
November	5.34	6.91	1.41	0.00	0.00	5.50	1.30	1.30	4.20	5.30	0.00
December	3.93	5.09	0.60	0.00	4.20	8.68	0.98	0.98	7.70	5.30	2.40
January	11.38	14.72	6.67	0.00	5.30	13.36	1.46	1.46	11.90	5.30	6.80
February	0.26	0.34	0.00	0.00	5.30	5.64	1.65	1.65	3.99	5.30	0.00
March	8.71	11.27	4.10	0.00	3.99	11.16	2.44	2.44	8.72	5.30	3.42
April	2.35	3.04	0.06	0.00	5.30	8.28	2.95	2.95	5.33	5.30	0.03
May	1.54	1.99	0.00	0.00	5.30	7.29	3.91	3.91	3.38	5.30	0.00
June	0.78	1.01	0.00	0.00	3.38	4.39	4.25	4.25	0.14	5.30	0.00
July	0.05	0.06	0.00	0.00	0.14	0.21	4.27	4.27	0.00	5.30	0.00
August	0.05	0.06	0.00	0.00	0.00	0.06	4.15	4.15	0.00	5.30	0.00
September	0.15	0.19	0.00	0.00	0.00	0.19	3.54	3.54	0.00	5.30	0.00
Total yield											12.448
34.62		44.79		12.84		28.7%					

1995-1996											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.07	0.09	0.00	0.00	0.00	0.09	2.81	2.81	0.00	5.30	0.00
November	0.30	0.39	0.00	0.00	0.00	0.39	1.30	1.30	0.00	5.30	0.00
December	8.25	10.67	3.69	0.00	0.00	6.99	0.98	0.98	6.01	5.30	0.71
January	8.27	10.70	3.71	0.00	5.30	12.30	1.46	1.46	10.84	5.30	5.54
February	7.05	9.12	2.67	0.00	5.30	11.75	1.65	1.65	10.10	5.30	4.80
March	3.34	4.32	0.34	0.00	5.30	9.28	2.44	2.44	6.84	5.30	1.54
April	1.98	2.56	0.01	0.00	5.30	7.85	2.95	2.95	4.90	5.30	0.00
May	2.16	2.79	0.03	0.00	4.90	7.66	3.91	3.91	3.75	5.30	0.00
June	0.13	0.17	0.00	0.00	3.75	3.92	4.25	4.25	0.00	5.30	0.00
July	0.06	0.08	0.00	0.00	0.00	0.08	4.27	4.27	0.00	5.30	0.00
August	0.07	0.09	0.00	0.00	0.00	0.09	4.15	4.15	0.00	5.30	0.00
September	0.20	0.26	0.00	0.00	0.00	0.26	3.54	3.54	0.00	5.30	0.00
Total yield											12.579
31.88		41.25		10.45		25.3%					

Percolation Denniston Upland Subarea

1996-1997											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	1.90	2.81	2.81	0.00	5.30	0.00
October	1.47	1.90	0.00	0.00	0.00	3.37	1.30	1.30	2.07	5.30	0.00
November	2.71	3.51	0.14	0.00	0.00	9.29	0.98	0.98	8.31	5.30	3.01
December	8.83	11.43	4.21	0.00	2.07	12.89	1.46	1.46	11.43	5.30	6.13
January	9.86	12.76	5.17	0.00	5.30	5.68	1.65	1.65	4.03	5.30	0.00
February	0.29	0.38	0.00	0.00	4.03	4.79	2.44	2.44	2.35	5.30	0.00
March	0.59	0.76	0.00	0.00	2.35	3.59	2.95	2.95	0.64	5.30	0.00
April	0.96	1.24	0.00	0.00	0.64	1.21	3.91	3.91	0.00	5.30	0.00
May	0.44	0.57	0.00	0.00	0.00	0.74	4.25	4.25	0.00	5.30	0.00
June	0.57	0.74	0.00	0.00	0.00	0.17	4.27	4.27	0.00	5.30	0.00
July	0.13	0.17	0.00	0.00	0.00	1.00	4.15	4.15	0.00	5.30	0.00
August	0.77	1.00	0.00	0.00	0.00	0.10	3.54	3.54	0.00	5.30	0.00
September	0.08	0.10	0.00	0.00	0.00						
Total yield											9.132
26.70 34.55 9.52 27.5%											

1997-1998											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	1.00	2.81	2.81	0.00	5.30	0.00
October	0.77	1.00	0.00	0.00	0.00	6.81	1.30	1.30	5.51	5.30	0.21
November	7.84	10.14	3.33	0.00	0.00	9.55	0.98	0.98	8.57	5.30	3.27
December	3.65	4.72	0.47	0.00	5.30	13.56	1.46	1.46	12.10	5.30	6.80
January	12.13	15.70	7.43	0.00	5.30	14.34	1.65	1.65	12.69	5.30	7.39
February	15.70	20.31	11.27	0.00	5.30	8.53	2.44	2.44	6.09	5.30	0.79
March	2.58	3.34	0.11	0.00	5.30	8.69	2.95	2.95	5.74	5.30	0.44
April	2.73	3.53	0.14	0.00	5.30	9.85	3.91	3.91	5.94	5.30	0.00
May	4.01	5.19	0.64	0.00	5.30	5.69	4.25	4.25	1.44	5.30	0.00
June	0.30	0.39	0.00	0.00	1.44	1.67	4.27	4.27	0.00	5.30	0.00
July	0.18	0.23	0.00	0.00	0.00	0.08	4.15	4.15	0.00	5.30	0.00
August	0.06	0.08	0.00	0.00	0.00	0.32	3.54	3.54	0.00	5.30	0.00
September	0.25	0.32	0.00	0.00	0.00						
Total yield											19.549
50.20 64.95 23.40 36.0%											

1998-1999											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	1.26	2.81	2.81	0.00	5.30	0.00
October	0.97	1.26	0.00	0.00	0.00	4.34	1.30	1.30	3.04	5.30	0.00
November	3.75	4.85	0.52	0.00	0.00	5.72	0.98	0.98	4.74	5.30	0.00
December	2.09	2.70	0.02	0.00	3.04	10.86	1.46	1.46	9.40	5.30	4.10
January	6.4	8.28	2.16	0.00	4.74	14.00	1.65	1.65	12.35	5.30	7.05
February	14	18.11	9.41	0.00	5.30	10.37	2.44	2.44	7.93	5.30	2.63
March	4.7	6.08	1.01	0.00	5.30	8.69	2.95	2.95	5.74	5.30	0.44
April	2.73	3.53	0.14	0.00	5.30	8.69	3.91	3.91	1.55	5.30	0.00
May	0.12	0.16	0.00	0.00	5.30	5.46	4.25	4.25	0.00	5.30	0.00
June	0.46	0.60	0.00	0.00	1.55	2.14	4.27	4.27	0.00	5.30	0.00
July	0.05	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
August	0.34	0.44	0.00	0.00	0.00	0.44	4.15	4.15	0.00	5.30	0.00
September	0.21	0.27	0.00	0.00	0.00	0.27	3.54	3.54	0.00	5.30	0.00
Total yield											14.217
35.82 46.35 13.27 28.6%											

1999-2000											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	1.06	2.81	2.81	0.00	5.30	0.00
October	0.82	1.06	0.00	0.00	0.00	3.60	1.30	1.30	2.30	5.30	0.00
November	2.94	3.80	0.20	0.00	0.00	3.50	0.98	0.98	2.52	5.30	0.00
December	0.93	1.20	0.00	0.00	2.30	9.20	1.46	1.46	7.74	5.30	2.44
January	7.53	9.74	3.07	0.00	2.52	13.33	1.65	1.65	11.68	5.30	6.38
February	11.27	14.58	6.56	0.00	5.30	8.39	2.44	2.44	5.95	5.30	0.65
March	2.45	3.17	0.08	0.00	5.30	9.06	2.95	2.95	6.11	5.30	0.81
April	3.1	4.01	0.26	0.00	5.30	7.53	3.91	3.91	3.62	5.30	0.00
May	1.72	2.23	0.00	0.00	3.62	3.85	4.25	4.25	0.00	5.30	0.00
June	0.18	0.23	0.00	0.00	0.00	0.34	4.27	4.27	0.00	5.30	0.00
July	0.26	0.34	0.00	0.00	0.00	0.25	4.15	4.15	0.00	5.30	0.00
August	0.19	0.25	0.00	0.00	0.00	0.53	3.54	3.54	0.00	5.30	0.00
September	0.41	0.53	0.00	0.00	0.00						
Total yield											10.270
31.80 41.15 10.16 24.7%											

2000-2001											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	4.33	2.81	2.81	1.52	5.30	0.00
October	3.74	4.84	0.51	0.00	0.00	3.20	1.30	1.30	1.90	5.30	0.00
November	1.3	1.68	0.00	0.00	1.52	2.79	0.98	0.98	1.81	5.30	0.00
December	0.69	0.89	0.00	0.00	1.90	7.56	1.46	1.46	6.10	5.30	0.80
January	5.75	7.44	1.69	0.00	1.81	11.44	1.65	1.65	9.79	5.30	4.49
February	6.44	8.33	2.20	0.00	5.30	7.46	2.44	2.44	5.02	5.30	0.00
March	1.67	2.16	0.00	0.00	5.30	7.82	2.95	2.95	4.87	5.30	0.00
April	2.19	2.83	0.03	0.00	5.02	4.90	3.91	3.91	0.99	5.30	0.00
May	0.02	0.03	0.00	0.00	4.87	1.14	4.25	4.25	0.00	5.30	0.00
June	0.12	0.16	0.00	0.00	0.99	0.36	4.27	4.27	0.00	5.30	0.00
July	0.28	0.36	0.00	0.00	0.00	0.36	4.15	4.15	0.00	5.30	0.00
August	0.39	0.50	0.00	0.00	0.00	0.50	4.15	4.15	0.00	5.30	0.00
September	0.26	0.34	0.00	0.00	0.00	0.34	3.54	3.54	0.00	5.30	0.00
Total yield											5.290
22.85 29.57 4.43 15.0%											

Percolation Denniston Upland Subarea

2001-2002

Adjusted San Gregorio data

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.47	0.61	0.00	0.00	0.00	0.61	2.81	2.81	0.00	5.30	0.00
November	6.69	8.66	2.39	0.00	0.00	6.27	1.30	1.30	4.97	5.30	0.00
December	9.26	11.98	4.60	0.00	4.97	12.35	0.98	0.98	11.37	5.30	6.07
January	2.55	3.30	0.10	0.00	5.30	8.50	1.46	1.46	7.04	5.30	1.74
February	2.13	2.76	0.03	0.00	5.30	8.03	1.65	1.65	6.38	5.30	1.08
March	2.54	3.29	0.10	0.00	5.30	8.49	2.44	2.44	6.05	5.30	0.75
April	0.68	0.88	0.00	0.00	5.30	6.18	2.95	2.95	3.23	5.30	0.00
May	0.88	1.14	0.00	0.00	3.23	4.37	3.91	3.91	0.46	5.30	0.00
June	0.23	0.30	0.00	0.00	0.46	0.76	4.25	4.25	0.00	5.30	0.00
July	0.18	0.23	0.00	0.00	0.00	0.23	4.27	4.27	0.00	5.30	0.00
August	0.08	0.10	0.00	0.00	0.00	0.10	4.15	4.15	0.00	5.30	0.00
September	0.17	0.22	0.00	0.00	0.00	0.22	3.54	3.54	0.00	5.30	0.00
	25.86	33.46	7.22	21.6%						Total yield	9.634

Estimate for missing data in red based on San Gregorio data for same period

2002-2003

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.17	0.22	0.00	0.00	0.00	0.22	2.81	2.81	0.00	5.30	0.00
November	2.7	3.49	0.14	0.00	0.00	3.36	1.30	1.30	2.06	5.30	0.00
December	9	11.65	4.36	0.00	2.06	9.34	0.98	0.98	8.36	5.30	3.06
January	1.34	1.73	0.00	0.00	5.30	7.03	1.46	1.46	5.57	5.30	0.27
February	3.46	4.48	0.39	0.00	5.30	9.39	1.65	1.65	7.74	5.30	2.44
March	1.82	2.35	0.00	0.00	5.30	7.65	2.44	2.44	5.21	5.30	0.00
April	5.51	7.13	1.53	0.00	5.21	10.82	2.95	2.95	7.87	5.30	2.57
May	0.88	1.14	0.00	0.00	5.30	6.44	3.91	3.91	2.53	5.30	0.00
June	0.18	0.23	0.00	0.00	2.53	2.76	4.25	4.25	0.00	5.30	0.00
July	0.01	0.01	0.00	0.00	0.00	0.01	4.27	4.27	0.00	5.30	0.00
August	0.04	0.05	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
September	0.10	0.13	0.00	0.00	0.00	0.13	3.54	3.54	0.00	5.30	0.00
	25.21	32.62	6.42	19.7%						Total yield	8.336

2003-2004

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.22	0.28	0.00	0.00	0.00	0.28	2.81	2.81	0.00	5.30	0.00
November	2.27	2.94	0.05	0.00	0.00	2.89	1.30	1.30	1.59	5.30	0.00
December	8.81	11.40	4.19	0.00	1.59	8.80	0.98	0.98	7.82	5.30	2.52
January	3.33	4.31	0.34	0.00	5.30	9.27	1.46	1.46	7.81	5.30	2.51
February	6.37	8.24	2.14	0.00	5.30	11.40	1.65	1.65	9.75	5.30	4.45
March	1.39	1.80	0.00	0.00	5.30	7.10	2.44	2.44	4.66	5.30	0.00
April	0.31	0.40	0.00	0.00	4.66	5.06	2.95	2.95	2.11	5.30	0.00
May	0.15	0.19	0.00	0.00	2.11	2.30	3.91	3.91	0.00	5.30	0.00
June	0.05	0.06	0.00	0.00	0.00	0.06	4.25	4.25	0.00	5.30	0.00
July	0.34	0.44	0.00	0.00	0.00	0.44	4.27	4.27	0.00	5.30	0.00
August	0.33	0.43	0.00	0.00	0.00	0.43	4.15	4.15	0.00	5.30	0.00
September	0.29	0.38	0.00	0.00	0.00	0.38	3.54	3.54	0.00	5.30	0.00
	23.86	30.87	6.72	21.8%						Total yield	9.480

2004-2005

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	4.6	5.95	0.95	0.00	0.00	5.00	2.81	2.81	2.19	5.30	0.00
November	1.38	1.79	0.00	0.00	2.19	3.97	1.30	1.30	2.67	5.30	0.00
December	8.66	11.21	4.05	0.00	2.67	9.82	0.98	0.98	8.84	5.30	3.54
January	6.11	7.91	1.95	0.00	5.30	11.26	1.46	1.46	9.80	5.30	4.50
February	5.28	6.83	1.37	0.00	5.30	10.76	1.65	1.65	9.11	5.30	3.81
March	5.52	7.14	1.53	0.00	5.30	10.91	2.44	2.44	8.47	5.30	3.17
April	1.69	2.19	0.00	0.00	5.30	7.49	2.95	2.95	4.54	5.30	0.00
May	2.32	3.00	0.05	0.00	4.54	7.48	3.91	3.91	3.57	5.30	0.00
June	1.31	1.70	0.00	0.00	3.57	5.27	4.25	4.25	1.02	5.30	0.00
July	0.00	0.00	0.00	0.00	1.02	1.02	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	36.87	47.71	9.92	20.8%						Total yield	15.021

Moss Beach Water Balance and Backup Data

Moss Beach Subbasin Water Balance

Inputs	
Moss Beach area (acres)	187
Dean Area (acres)	27
San Vicente Watershed Area (acres)	1012
Upper Moss Beach	70
Transmissivity (gpd/ft)	2600
Width of terrace area (ft)	3828
Length (gradient)	1200
Porosity (S)	0.12
Number of dom. wells Moss Beach	54
Pumping rate Moss Beach (gal/day)	250
Number of dom. wells Dean Creek Waterside	65
Pumping rate Dean (gal/day)	250
Number of dom. wells San Vicente	2
Pumping rate San Vicente (gal/day)	250
Number of dom. wells U. Moss Beach	26
Pumping rate U. Moss Beach (gal/day)	250
Irrigation pumping Moss Beach (AF)	0
Irrigation pumping Dean (AF)*	0
Irrigation pumping San Vicente (AF)*	0
Montara Water District pumping (AF)	0
Conside Water District pumping (AF)	0
Conside Water District Diversion (AF)	0
RO channel seepage/diversion (AF)	0
Est. Annual PET	33.7
Dean Creek area septic tanks	31

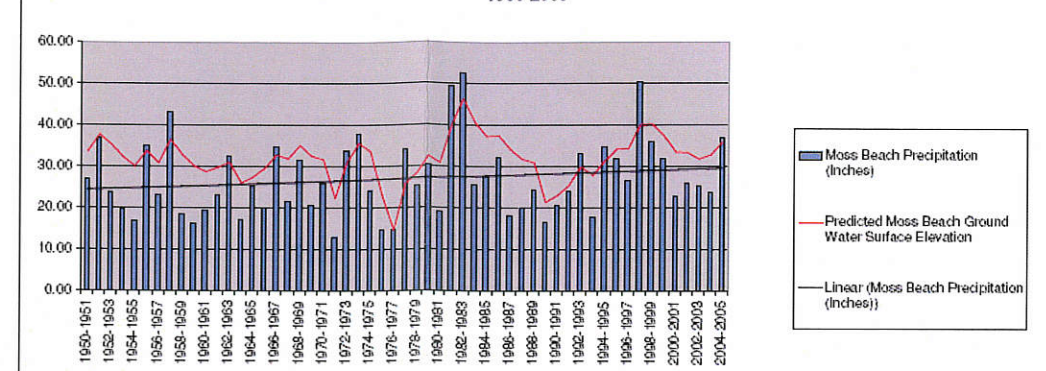
Intermediate values	
Pumping Q Moss Beach (AF/yr)	15.12
Pumping Q Dean Creek (AF/yr)	15.40
Pumping Q San Vicente (AF/yr)	0.56
Pumping Q Upper Moss Beach (AF/yr)	5.96
Total Moss Beach pumping (AF/yr)	15.12
Net Dean Creek pumping (AF/yr)	11.06
Total San Vicente pumping (AF/yr)	0.56
Total U Moss Beach pumping (AF/yr)	5.96

Calculated values	
Total Head (avg)	32.03
Total Head (min)	14.77
Total Head (max)	45.33
Ocean outflow (avg)	322.9
Ocean outflow (min)	190.5
Ocean outflow (max)	438.7
Storage volume (average)	1041.3
Storage volume (min)	522.0
Storage volume (max)	1474.1
Average gradient to ocean (for outfall only)	0.036
Average gradient to ocean (at end of period)	0.027
Avg prelin head gradient to ocean	0.036
Number of years	55

CN		
S - San Vicente	11	19%
S - Dean Cr.	8	24%
S - L. Moss Beach	5	34%
S - U. Moss Beach	8	22%

Fraction San Vicente ground water inflow	0.85
Fraction Upper Moss Beach GW to Moss Beach	0.5
Fraction Dean Creek GW outflow to Moss Beach	0.6
Inlet storage at Moss Beach Terrace (AF)	730

Precipitation and Predicted Ground Water Levels
Lower Moss Beach Area
1950-2005



Water Year	Dean Creek			San Vicente			Moss Beach			Upper Moss Beach			Dean Creek			San Vicente			Crop ET demand AF/yr	Aval surface water	Ag pumping	Residual per less ag pumping	Subsurface Geometry	Fraction S. Vicente GW to Moss Beach	Upper Moss Beach			Moss Beach Combined GW Inflow AF/yr	MB precip per Inflow AF/yr	SV Creek Inflow AF/yr	Total Inflow AF/yr	Less Pumping Less dom. Pumping AF/yr	Prelim Storage Preceding Storage AF	Combined Storage Amt.	Combined feet est.	Ocean outflow	Averaged ocean outflow	rev ocean outflow	Revised Storage	Head Est
	Adjusted Precip.	RO (in/yr)	Percolation (in/yr)	Adjusted Precip.	RO (in/yr)	Percolation (in/yr)	Adjusted Precip.	RO (in/yr)	Percolation (in/yr)	Adjusted Precip.	RO (in/yr)	Percolation (in/yr)	RO seepage AF/yr	less dom. AF/yr	Residual Pre AF/yr	RO seepage AF/yr	less dom. AF/yr	Crop ET demand AF/yr							Per AF/yr	less dom. AF/yr	Ag pumping AF/yr													
1950-1951	27.46	4.54	6.29	31.79	3.98	9.45	25.35	6.85	1.50	25.35	3.71	4.38	119.0	103.6	103.6	62.2	797.2	796.7	0.0	335.7	0.0	796.7	25.0	212.5	25.4	19.8	19.8	9.9	284.6	23.4	66.0	574.0	359.9	739.0	1008.9	49.5	333.7	333.7	730	32.50
1951-1952	37.91	11.97	8.87	43.54	11.79	14.41	34.72	10.28	7.95	199.6	188.6	188.6	113.2	1215.3	1214.7	20.0	1214.7	20.0	20.0	994.4	0.0	994.4	25.0	212.5	46.4	40.8	40.8	20.4	346.0	63.2	69.0	465.3	450.2	785.2	1205.3	83.7	358.7	358.7	845.7	37.7
1952-1953	24.40	6.85	3.41	28.25	6.69	6.48	22.62	6.07	0.42	22.62	5.86	2.87	76.9	65.7	65.7	39.4	546.6	546.0	0.0	544.5	0.0	544.5	25.0	212.5	16.7	11.1	11.1	5.6	287.5	6.5	69.0	330.0	314.8	645.7	1100.5	41.7	368.0	368.0	792.5	35.3
1953-1954	20.23	2.22	0.30	23.42	1.51	4.22	18.98	3.71	0.00	18.98	1.76	0.36	27.1	16.0	16.0	9.0	358.8	355.2	0.0	353.0	0.0	353.0	25.0	212.5	2.3	-3.3	0.0	0.0	222.1	0.0	69.0	200.1	273.0	760.5	1065.4	57.5	340.8	340.8	724.6	32.3
1954-1955	17.44	2.09	0.63	20.19	1.75	2.97	16.16	1.40	0.00	16.16	1.07	0.28	18.0	7.5	7.5	4.5	250.4	248.8	0.0	248.8	0.0	248.8	25.0	212.5	1.7	-3.9	0.0	0.0	216.9	0.0	69.0	202.9	267.8	726.6	962.3	44.2	315.0	315.0	677.4	30.2
1955-1956	35.85	13.52	6.84	41.50	13.84	11.43	33.10	15.74	2.39	33.10	11.81	6.18	154.4	143.3	143.3	69.8	935.8	933.2	0.0	933.2	0.0	933.2	25.0	212.5	36.0	30.4	30.4	15.2	313.7	36.8	69.0	416.5	401.3	677.4	1076.7	48.1	322.2	322.2	756.5	33.7
1956-1957	23.59	3.39	0.45	27.30	2.92	3.01	21.77	5.30	0.00	21.77	2.74	0.60	10.0	-1.0	0.0	0.0	253.8	253.2	0.0	240.0	0.0	240.0	25.0	212.5	0.0	-5.6	0.0	0.0	212.5	0.0	69.0	143.5	269.6	694.0	1150.5	51.7	343.9	343.9	819.4	34.5
1957-1958	44.99	13.29	9.88	51.00	12.89	16.91	40.47	14.92	3.40	40.47	11.34	6.62	222.3	211.2	211.2	126.7	1425.7	1425.1	0.0	1425.1	0.0	1425.1	25.0	212.5	50.3	44.7	44.7	22.3	341.6	53.0	69.0	493.0	493.0	784.8	1284.8	45.6	350.1	350.1	994.0	30.9
1958-1959	19.11	3.02	0.94	22.13	2.63	3.27	17.44	4.57	0.00	17.44	2.45	0.42	21.5	10.5	10.5	6.3	275.7	275.2	0.0	271.8	0.0	271.8	25.0	212.5	2.5	-3.1	0.0	0.0	218.8	0.0	69.0	149.8	269.6	619.4	1089.1	48.8	350.1	350.1	739.0	32.9
1959-1960	18.59	2.17	0.99	19.21	1.87	2.87	15.32	3.40	0.00	15.32	1.76	0.13	14.9	3.9	3.9	2.3	242.1	241.5	0.0	241.5	0.0	241.5	25.0	212.5	0.0	-5.6	0.0	0.0	207.9	0.0	69.0	138.9	263.4	679.9	942.3	44.4	316.6	316.6	678.9	30.3
1960-1961	19.97	1.99	0.49	23.12	1.37	3.22	18.44	3.31	0.00	18.44	1.39	0.04	10.9	-0.1	0.0	0.0	271.4	270.8	0.0	270.8	0.0	270.8	25.0	212.5	0.0	-5.6	0.0	0.0	212.5	0.0	69.0	138.9	263.4	679.9	942.3	44.4	316.6	316.6	678.9	30.3
1961-1962	23.63	4.62	3.65	27.36	4.25	7.63	21.81	6.51	0.39	21.81	4.51	2.96	86.6	75.6	75.6	45.3	643.3	642.6	0.0	642.6	0.0	642.6	25.0	212.5	17.3	11.7	11.7	5.8	293.7	4.7	69.0	334.4	319.3	644.9	964.1	43.0	295.2	295.2	999.0	29.6
1962-1963	33.19	6.37	5.16	38.42	7.90	10.73	30.44	11.21	0.00	30.44	7.05	3.98	115.8	104.8	104.8	62.9	905.0	904.5	0.0	904.5	0.0	904.5	25.0	212.5	23.2	17.6	17.6	8.8	284.2	0.0	69.0	350.0	350.0	664.0	1150.5	51.7	343.9	343.9	819.4	34.5
1963-1964	17.52	2.04	0.00	20.28	1.69	1.73	16.17	3.39	0.00	16.17	1.62	0.60	0.0	-1.1	0.0	0.0	146.3	145.7	0.0	142.1	0.0	142.1	25.0	212.5	0.0	-5.6	0.0	0.0	123.8	0.0	69.0	109.6	267.1	697.1	871.8	38.9	287.8	287.8	584.0	26.0
1964-1965	26.02	4.86	2.84	30.12	4.43	7.03	24.02	7.02	0.04	24.02	4.04	2.11	63.9	52.8	52.8	31.7	692.8	692.2	0.0	687.6	0.0	687.6	25.0	212.5	12.3	6.7	6.7	3.4	247.6	0.7	69.0	314.3	299.1	584.0	883.1	39.4	269.1	269.1	614.0	27.4
1965-1966	26.54	3.35	4.21	23.78	2.87	7.57	19.96	5.14	1.02	19.96	5.14	3.45	94.8	83.7	83.7	50.2	638.2	637.6	0.0	634.0	0.0	634.0	25.0	212.5	20.1	14.5	14.5	7.3	270.0	15.9	69.0	351.9	336.7	614.0	950.7	42.4	287.0	287.0	663.6	29.6
1966-1967	34.94	10.79	7.04	41.25	10.38	12.79	32.90	13.87	1.37	32.90	6.17	6.05	155.3	147.3	147.3	89.4	1078.7	1078.1	0.0	1078.1	0.0	1078.1	25.0	212.5	14.2	8.6	8.6	4.3	254.9	0.0	69.0	408.9	408.9	719.2	1125.0	60.1	337.8	337.8	787.2	35.1
1967-1968	22.02	3.65	3.31	25.50	3.32	6.80	20.33	6.45	0.00	20.33	2.86	2.43	74.5	63.4	63.4	38.1	692.0	691.5	0.0	687.3	0.0	687.3	25.0	212.5	15.5	9.0	9.0	4.5	262.9	0.0	69.0	307.7	286.6	564.0	871.8	38.9	287.8	287.8	584.0	26.0
1968-1969	32.24	6.43	7.02	37.33	6.02	11.67	29.77	11.13	2.58	29.77	7.12	6.27	158.0	147.0	147.0	89.2	983.8	983.3	0.0	979.2	0.0	979.2	25.0	212.5	14.8	9.2	9.2	4.6	251.7	1.9	69.0	412.6	408.9	719.2	1125.0	60.1	337.8	337.8	787.2	35.1
1969-1970	21.19	4.09	2.09	24.52	4.03	4.79	19.56	3.60	1.54	19.56	3.60	1.54	46.9	35.8	35.8	21.5	403.7	403.2	0.0	398.8	0.0	398.8	25.0	212.5	9.0	3.4	3.4	1.7	235.7	0.0	69.0	281.5	269.1	584.0	883.1	39.4	269.1	269.1	614.0	27.4
1970-1971	26.63	9.41	3.06	30.89	6.17	6.72	24.59	6.83	0.12	24.59	5.45	2.54	68.8	57.7	57.7	34.6	666.8	666.3	0.0	662.0	0.0	662.0	25.0	212.5	14.8	9.2	9.2	4.6	251.7	1.9	69.0	412.6	408.9	719.2	1125.0	60.1	337.8	337.8	787.2	35.1
1971-1972	15.35	1.19	0.00	15.45	1.02	0.21	12.32	1.90	0.00	12.32	0.96	0.60	0.0	-1.1	0.0	0.0	17.6	17.1	0.0	16.0	0.0	16.0	25.0	212.5	0.0	-5.6	0.0	0.0	14.5	0.0	69.0	80.5	65.4	712.2	777.6	34.7	273.3	273.3	504.3	22.5
1972-1973	34.99	10.51	9.48	40.16	10.05	15.19	32.03	13.53	3.77	32.03	8.91	8.45	187.6	176.6	176.6	109.1	1246.4	1245.6	0.0	1245.6	0.0	1245.6	25.0	212.5	14.1	8.5	8.5	4.3	252.9	0.0	69.0	451.1	436.0	696.0	1134.9	50.6	336.4	336.4	798.4	35.6
1973-1974	38.69	9.56	8.35	45.01	9.39	14.78	35.69	13.31	3.98	35.69	8.38	7.30	71.2	60.2	60.2	39.1	857.7	855.1	0.0	855.1	0.0	855.1	25.0	212.5	14.1	8.5	8.5	4.3	252.9	0.0	69.0	451.1	436.0	696.0	1134.9	50.6	336.4	336.4	798.4	35.6
1974-1975	24.62	4.08	3.17	28.73	3.52	6.59	22.91	3.35	2.42	22.91	3.35	2.42	71.2	60.2	60.2	39.1	857.7	855.1	0.0	855.1	0.0	855.1	25.0	212.5	14.1	8.5	8.5	4.3	252.9											

Percolation for San Vicente Creek

Percolation Estimates for San Vicente Creek
1950-2005

Averages		
Years used in ave	55	
Precipitation	27.047	
Adj. Precipitation	32.073	
Runoff	6.233	19%
Irrigation		0%
Evapotranspiration	16.855	53%
Percolation	8.232	26%

Crop Coeff.	
October	1
November	1
December	1
January	1
February	1
March	1
April	1
May	1
June	1
July	1
August	1
September	1

Soil Water Holding Capacity: (mean value)	5.3
Land Use	S
Contoured Row Crops	
Range	
Farmsteads	
Fallow Row	
S=	11
Adj. Precip. Facto	1.185825
Irrigation efficienc	1

1947-1948	Monthly Input	SCS equation				Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation	Available to Recharge
	in.	in.	in.	(input or calc.) in.	in.								
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation	Available to Recharge	
October		0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00		
November		0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00		
December		0.00	0.00	0.00	0.00	0.00	0.98	0.98	0.00	5.30	0.00		
January		0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.00	5.30	0.00		
February		0.00	0.00	0.00	0.00	0.00	1.65	1.65	0.00	5.30	0.00		
March		0.00	0.00	0.00	0.00	0.00	2.44	2.44	0.00	5.30	0.00		
April		0.00	0.00	0.00	0.00	0.00	2.95	2.95	0.00	5.30	0.00		
May		0.00	0.00	0.00	0.00	0.00	3.91	3.91	0.00	5.30	0.00		
June		0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00		
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00		
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00		
September	0.04	0.05	0.00	0.00	0.00	0.05	3.54	3.54	0.00	5.30	0.00		
Totals	0.04	0.05	0.00	0.0%								Total Mean Yield 0.000	

1948-1949	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation	
October	0.55	0.65	0.00	0.00	0.00	0.65	2.81	2.81	0.00	5.30	0.00	
November	0.66	0.78	0.00	0.00	0.00	0.78	1.30	1.30	0.00	5.30	0.00	
December	4.99	5.92	0.94	0.00	0.00	4.98	0.98	0.98	4.00	5.30	0.00	
January	1.73	2.05	0.00	0.00	4.00	6.05	1.46	1.46	4.59	5.30	0.00	
February	3.91	4.64	0.44	0.00	4.59	8.78	1.65	1.65	7.13	5.30	1.83	
March	4.96	5.88	0.92	0.00	5.30	10.26	2.44	2.44	7.82	5.30	2.52	
April	0.00	0.00	0.00	0.00	5.30	5.30	2.95	2.95	2.35	5.30	0.00	
May	0.41	0.49	0.00	0.00	2.35	2.84	3.91	3.91	0.00	5.30	0.00	
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00	
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00	
August	0.17	0.20	0.00	0.00	0.00	0.20	4.15	4.15	0.00	5.30	0.00	
September		0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00	
Totals	17.38	20.61	2.30	11.2%								Total Mean Yield 4.353

1949-1950	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation	
October	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00	
November		0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00	
December		0.00	0.00	0.00	0.00	0.00	0.98	0.98	0.00	5.30	0.00	
January		0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.00	5.30	0.00	
February	2.24	2.66	0.02	0.00	0.00	2.64	1.65	1.65	0.99	5.30	0.00	
March	1.34	1.59	0.00	0.00	0.99	2.58	2.44	2.44	0.14	5.30	0.00	
April	2.12	2.51	0.01	0.00	0.14	2.64	2.95	2.95	0.00	5.30	0.00	
May	0.37	0.44	0.00	0.00	0.00	0.44	3.91	3.91	0.00	5.30	0.00	
June	0.14	0.17	0.00	0.00	0.00	0.17	4.25	4.25	0.00	5.30	0.00	
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00	
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00	
September	0.08	0.09	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00	
Totals	6.29	7.46	0.03	0.4%								Total Mean Yield 0.000

1950-1951	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation	
October	1.95	2.31	0.00	0.00	0.00	2.31	2.81	2.81	0.00	5.30	0.00	
November	5.46	6.47	1.20	0.00	0.00	5.28	1.30	1.30	3.98	5.30	0.00	
December	6.01	7.13	1.52	0.00	3.98	9.58	0.98	0.98	8.60	5.30	3.30	
January	5.11	6.06	1.00	0.00	5.30	10.36	1.46	1.46	8.90	5.30	3.60	
February	2.98	3.53	0.14	0.00	5.30	8.69	1.65	1.65	7.04	5.30	1.74	
March	2.84	3.37	0.11	0.00	5.30	8.56	2.44	2.44	6.12	5.30	0.82	
April	0.91	1.08	0.00	0.00	5.30	6.38	2.95	2.95	3.43	5.30	0.00	
May	0.98	1.16	0.00	0.00	3.43	4.59	3.91	3.91	0.68	5.30	0.00	
June	0.17	0.20	0.00	0.00	0.68	0.88	4.25	4.25	0.00	5.30	0.00	
July	0.12	0.14	0.00	0.00	0.00	0.14	4.27	4.27	0.00	5.30	0.00	
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00	
September	0.28	0.33	0.00	0.00	0.00	0.33	3.54	3.54	0.00	5.30	0.00	
Totals	26.81	31.79	3.98	12.5%								Total Mean Yield 9.453

Percolation for San Vecente Creek

1951-1952

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.18	1.38	0.00	0.00	0.00	1.38	2.81	2.81	0.00	5.30	0.00
November	4.15	4.92	0.54	0.00	0.00	4.38	1.30	1.30	3.08	5.30	0.00
December	11.30	13.40	5.65	0.00	3.08	10.83	0.98	0.98	9.85	5.30	4.55
January	9.31	11.04	3.94	0.00	5.30	12.40	1.46	1.46	10.94	5.30	5.64
February	2.20	2.61	0.01	0.00	5.30	7.89	1.65	1.65	6.24	5.30	0.94
March	6.21	7.36	1.65	0.00	5.30	11.01	2.44	2.44	8.57	5.30	3.27
April	0.62	0.74	0.00	0.00	5.30	6.04	2.95	2.95	3.09	5.30	0.00
May	0.45	0.53	0.00	0.00	3.09	3.62	3.91	3.91	0.00	5.30	0.00
June	1.14	1.35	0.00	0.00	0.00	1.35	4.25	4.25	0.00	5.30	0.00
July	0.03	0.04	0.00	0.00	0.00	0.04	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.15	0.18	0.00	0.00	0.00	0.18	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											14.411
36.72 43.54 11.79 27.1%											

1952-1953

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.27	0.32	0.00	0.00	0.00	0.32	2.81	2.81	0.00	5.30	0.00
November	2.66	3.15	0.08	0.00	0.00	3.08	1.30	1.30	1.78	5.30	0.00
December	11.36	13.47	5.70	0.00	1.78	9.55	0.98	0.98	8.57	5.30	3.27
January	4.55	5.40	0.72	0.00	5.30	9.98	1.46	1.46	8.52	5.30	3.22
February		0.00	0.00	0.00	5.30	5.30	1.65	1.65	3.65	5.30	0.00
March		0.00	0.00	0.00	3.65	3.65	2.44	2.44	1.21	5.30	0.00
April	3.17	3.76	0.19	0.00	1.21	4.78	2.95	2.95	1.83	5.30	0.00
May	0.60	0.71	0.00	0.00	1.83	2.54	3.91	3.91	0.00	5.30	0.00
June	0.56	0.66	0.00	0.00	0.00	0.66	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.53	0.63	0.00	0.00	0.00	0.63	4.15	4.15	0.00	5.30	0.00
September	0.12	0.14	0.00	0.00	0.00	0.14	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											6.481
23.82 28.25 6.69 23.7%											

1953-1954

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.67	0.79	0.00	0.00	0.00	0.79	2.81	2.81	0.00	5.30	0.00
November	3.33	3.95	0.24	0.00	0.00	3.71	1.30	1.30	2.41	5.30	0.00
December	1.04	1.23	0.00	0.00	2.41	3.64	0.98	0.98	2.66	5.30	0.00
January	4.18	4.96	0.55	0.00	2.66	7.07	1.46	1.46	5.61	5.30	0.31
February	2.58	3.06	0.06	0.00	5.30	8.30	1.65	1.65	6.65	5.30	1.35
March	5.03	5.96	0.96	0.00	5.30	10.30	2.44	2.44	7.86	5.30	2.56
April	1.49	1.77	0.00	0.00	5.30	7.07	2.95	2.95	4.12	5.30	0.00
May	0.06	0.07	0.00	0.00	4.12	4.19	3.91	3.91	0.28	5.30	0.00
June	0.64	0.76	0.00	0.00	0.28	1.04	4.25	4.25	0.00	5.30	0.00
July	0.10	0.12	0.00	0.00	0.00	0.12	4.27	4.27	0.00	5.30	0.00
August	0.55	0.65	0.00	0.00	0.00	0.65	4.15	4.15	0.00	5.30	0.00
September	0.08	0.09	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											4.218
19.75 23.42 1.81 7.7%											

1954-1955

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.23	0.27	0.00	0.00	0.00	0.27	2.81	2.81	0.00	5.30	0.00
November	1.96	2.32	0.00	0.00	0.00	2.32	1.30	1.30	1.02	5.30	0.00
December	4.53	5.37	0.71	0.00	1.02	5.68	0.98	0.98	4.70	5.30	0.00
January	5.06	6.00	0.98	0.00	4.70	9.73	1.46	1.46	8.27	5.30	2.97
February	1.37	1.62	0.00	0.00	5.30	6.92	1.65	1.65	5.27	5.30	0.00
March	0.28	0.33	0.00	0.00	5.27	5.61	2.44	2.44	3.17	5.30	0.00
April	2.60	3.08	0.07	0.00	3.17	6.18	2.95	2.95	3.23	5.30	0.00
May	0.36	0.43	0.00	0.00	3.23	3.66	3.91	3.91	0.00	5.30	0.00
June	0.07	0.08	0.00	0.00	0.00	0.08	4.25	4.25	0.00	5.30	0.00
July	0.17	0.20	0.00	0.00	0.00	0.20	4.27	4.27	0.00	5.30	0.00
August	0.12	0.14	0.00	0.00	0.00	0.14	4.15	4.15	0.00	5.30	0.00
September	0.28	0.33	0.00	0.00	0.00	0.33	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											2.969
17.03 20.19 1.75 8.7%											

1955-1956

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.21	0.25	0.00	0.00	0.00	0.25	2.81	2.81	0.00	5.30	0.00
November	2.32	2.75	0.03	0.00	0.00	2.72	1.30	1.30	1.42	5.30	0.00
December	13.81	16.38	7.98	0.00	1.42	9.82	0.98	0.98	8.84	5.30	3.54
January	11.38	13.49	5.72	0.00	5.30	13.07	1.46	1.46	11.61	5.30	6.31
February	2.81	3.33	0.11	0.00	5.30	8.53	1.65	1.65	6.88	5.30	1.58
March	0.00	0.00	0.00	0.00	5.30	5.30	2.44	2.44	2.86	5.30	0.00
April	1.88	2.23	0.00	0.00	2.86	5.09	2.95	2.95	2.14	5.30	0.00
May	1.37	1.62	0.00	0.00	2.14	3.76	3.91	3.91	0.00	5.30	0.00
June	0.07	0.08	0.00	0.00	0.00	0.08	4.25	4.25	0.00	5.30	0.00
July	0.25	0.30	0.00	0.00	0.00	0.30	4.27	4.27	0.00	5.30	0.00
August	0.45	0.53	0.00	0.00	0.00	0.53	4.15	4.15	0.00	5.30	0.00
September	0.45	0.53	0.00	0.00	0.00	0.53	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											11.428
35.00 41.50 13.84 33.3%											

Percolation for San Vecente Creek

1956-1957 Precipitation

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.75	2.08	0.00	0.00	0.00	2.08	2.81	2.81	0.00	5.30	0.00
November	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	0.57	0.68	0.00	0.00	0.00	0.68	0.98	0.98	0.00	5.30	0.00
January	3.31	3.93	0.23	0.00	0.00	3.69	1.46	1.46	2.23	5.30	0.00
February	4.42	5.24	0.66	0.00	2.23	6.81	1.65	1.65	5.16	5.30	0.00
March	5.98	7.09	1.51	0.00	5.16	10.75	2.44	2.44	8.31	5.30	3.01
April	1.65	1.96	0.00	0.00	5.30	7.26	2.95	2.95	4.31	5.30	0.00
May	4.10	4.86	0.52	0.00	4.31	8.65	3.91	3.91	4.74	5.30	0.00
June	0.08	0.09	0.00	0.00	4.74	4.83	4.25	4.25	0.58	5.30	0.00
July	0.00	0.00	0.00	0.00	0.58	0.58	4.27	4.27	0.00	5.30	0.00
August	0.08	0.09	0.00	0.00	0.00	0.09	4.15	4.15	0.00	5.30	0.00
September	1.08	1.28	0.00	0.00	0.00	1.28	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											3.010

23.02 27.30 2.92 10.7% Total Mean Yield 3.010

1957-1958

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.17	3.76	0.19	0.00	0.00	3.57	2.81	2.81	0.76	5.30	0.00
November	1.78	2.11	0.00	0.00	0.76	2.87	1.30	1.30	1.57	5.30	0.00
December	3.88	4.60	0.43	0.00	1.57	5.74	0.98	0.98	4.76	5.30	0.00
January	6.23	7.39	1.66	0.00	4.76	10.48	1.46	1.46	9.02	5.30	3.72
February	10.79	12.80	5.20	0.00	5.30	12.90	1.65	1.65	11.25	5.30	5.95
March	9.38	11.12	4.00	0.00	5.30	12.43	2.44	2.44	9.99	5.30	4.69
April	5.83	6.91	1.41	0.00	5.30	10.80	2.95	2.95	7.85	5.30	2.55
May	0.68	0.81	0.00	0.00	5.30	6.11	3.91	3.91	2.20	5.30	0.00
June	0.71	0.84	0.00	0.00	2.20	3.04	4.25	4.25	0.00	5.30	0.00
July	0.38	0.45	0.00	0.00	0.00	0.45	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.18	0.21	0.00	0.00	0.00	0.21	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											16.905

43.01 51.00 12.89 25.3% Total Mean Yield 16.905

1958-1959

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.27	0.32	0.00	0.00	0.00	0.32	2.81	2.81	0.00	5.30	0.00
November	0.50	0.59	0.00	0.00	0.00	0.59	1.30	1.30	0.00	5.30	0.00
December	1.89	2.24	0.00	0.00	0.00	2.24	0.98	0.98	1.26	5.30	0.00
January	5.07	6.01	0.98	0.00	1.26	6.29	1.46	1.46	4.83	5.30	0.00
February	5.64	6.69	1.30	0.00	4.83	10.22	1.65	1.65	8.57	5.30	3.27
March	0.64	0.76	0.00	0.00	5.30	6.06	2.44	2.44	3.62	5.30	0.00
April	0.42	0.50	0.00	0.00	3.62	4.12	2.95	2.95	1.17	5.30	0.00
May	0.36	0.43	0.00	0.00	1.17	1.59	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.21	0.25	0.00	0.00	0.00	0.25	4.15	4.15	0.00	5.30	0.00
September	3.66	4.34	0.35	0.00	0.00	3.99	3.54	3.54	0.45	5.30	0.00
Total yield											3.270

18.66 22.13 2.63 11.9% Total yield 3.270

1959-1960

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.40	0.47	0.00	0.00	0.45	0.93	2.81	2.81	0.00	5.30	0.00
November	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	1.97	2.34	0.00	0.00	0.00	2.33	0.98	0.98	1.35	5.30	0.00
January	5.29	6.27	1.10	0.00	1.35	6.53	1.46	1.46	5.07	5.30	0.00
February	4.66	5.53	0.77	0.00	5.07	9.82	1.65	1.65	8.17	5.30	2.87
March	1.90	2.25	0.00	0.00	5.30	7.55	2.44	2.44	5.11	5.30	0.00
April	1.27	1.51	0.00	0.00	5.11	6.62	2.95	2.95	3.67	5.30	0.00
May	0.71	0.84	0.00	0.00	3.67	4.51	3.91	3.91	0.60	5.30	0.00
June	0.00	0.00	0.00	0.00	0.60	0.60	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total yield											2.871

16.20 19.21 1.87 9.8% Total yield 2.871

1960-1961

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.88	1.04	0.00	0.00	0.00	1.04	2.81	2.81	0.00	5.30	0.00
November	5.12	6.07	1.01	0.00	0.00	5.06	1.30	1.30	3.76	5.30	0.00
December	1.70	2.02	0.00	0.00	3.76	5.78	0.98	0.98	4.80	5.30	0.00
January	2.98	3.53	0.14	0.00	4.80	8.19	1.46	1.46	6.73	5.30	1.43
February	1.89	2.24	0.00	0.00	5.30	7.54	1.65	1.65	5.89	5.30	0.59
March	3.25	3.85	0.22	0.00	5.30	8.94	2.44	2.44	6.50	5.30	1.20
April	1.06	1.26	0.00	0.00	5.30	6.56	2.95	2.95	3.61	5.30	0.00
May	1.73	2.05	0.00	0.00	3.61	5.66	3.91	3.91	1.75	5.30	0.00
June	0.22	0.26	0.00	0.00	1.75	2.01	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.10	0.12	0.00	0.00	0.00	0.12	4.15	4.15	0.00	5.30	0.00
September	0.57	0.68	0.00	0.00	0.00	0.68	3.54	3.54	0.00	5.30	0.00
Total yield											3.218

19.50 23.12 1.37 5.9% Total yield 3.218

Percolation for San Vecente Creek

1961-1962											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
				0.00	0.00	0.14	2.81	2.81	0.00	5.30	0.00
October	0.12	0.14	0.00	0.00	0.00	3.99	1.30	1.30	2.69	5.30	0.00
November	3.66	4.34	0.35	0.00	0.00	2.69	0.98	0.98	5.29	5.30	1.00
December	3.18	3.77	0.20	0.00	0.00	5.29	1.46	1.46	6.30	5.30	5.20
January	2.09	2.48	0.01	0.00	5.30	12.15	1.65	1.65	10.50	5.30	1.43
February	8.64	10.25	3.40	0.00	5.30	9.17	2.44	2.44	6.73	5.30	0.00
March	3.52	4.17	0.30	0.00	5.30	6.27	2.95	2.95	3.32	5.30	0.00
April	0.82	0.97	0.00	0.00	5.30	3.61	3.91	3.91	0.00	5.30	0.00
May	0.24	0.28	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
August	0.29	0.34	0.00	0.00	0.00	0.34	3.54	3.54	0.00	5.30	0.00
September	0.51	0.60	0.00	0.00	0.00	0.60					
Total Mean Yield										7.628	
23.07		27.36		4.25		15.5%					

1962-1963											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
				0.00	0.00	7.65	2.81	2.81	4.84	5.30	0.00
October	10.97	13.01	5.36	0.00	4.84	5.55	1.30	1.30	4.25	5.30	0.00
November	0.60	0.71	0.00	0.00	4.25	8.17	0.98	0.98	7.19	5.30	1.89
December	3.57	4.23	0.32	0.00	5.30	9.11	1.46	1.46	7.65	5.30	2.35
January	3.44	4.08	0.27	0.00	5.30	9.28	1.65	1.65	7.63	5.30	2.33
February	3.65	4.33	0.35	0.00	5.30	9.82	2.44	2.44	7.38	5.30	2.08
March	4.33	5.13	0.62	0.00	5.30	10.34	2.95	2.95	7.39	5.30	2.09
April	5.08	6.02	0.99	0.00	5.30	6.06	3.91	3.91	2.15	5.30	0.00
May	0.64	0.76	0.00	0.00	2.15	2.15	4.25	4.25	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.04	4.15	4.15	0.00	5.30	0.00
August	0.03	0.04	0.00	0.00	0.00	0.11	3.54	3.54	0.00	5.30	0.00
September	0.09	0.11	0.00	0.00	0.00						
Total Mean Yield										10.732	
32.40		38.42		7.90		20.6%					

1963-1964											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
				0.00	0.00	2.89	2.81	2.81	0.08	5.30	0.00
October	2.48	2.94	0.05	0.00	0.08	4.35	1.30	1.30	3.05	5.30	0.00
November	4.00	4.74	0.48	0.00	3.05	4.28	0.98	0.98	3.30	5.30	0.00
December	1.04	1.23	0.00	0.00	3.30	8.49	1.46	1.46	7.03	5.30	1.73
January	5.32	6.31	1.12	0.00	5.30	5.92	1.65	1.65	4.27	5.30	0.00
February	0.52	0.62	0.00	0.00	4.27	7.14	2.44	2.44	4.70	5.30	0.00
March	2.46	2.92	0.04	0.00	4.70	4.97	2.95	2.95	2.02	5.30	0.00
April	0.23	0.27	0.00	0.00	2.02	2.58	3.91	3.91	0.00	5.30	0.00
May	0.47	0.56	0.00	0.00	0.00	0.69	4.25	4.25	0.00	5.30	0.00
June	0.58	0.69	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00						
Total Mean Yield										1.734	
17.10		20.28		1.69		8.3%					

1964-1965											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
				0.00	0.00	2.24	2.81	2.81	0.00	5.30	0.00
October	1.89	2.24	0.00	0.00	0.00	3.51	1.30	1.30	2.21	5.30	0.00
November	3.11	3.69	0.18	0.00	2.21	8.57	0.98	0.98	7.59	5.30	2.29
December	7.50	8.89	2.53	0.00	5.30	9.88	1.46	1.46	8.42	5.30	3.12
January	4.41	5.23	0.65	0.00	5.30	8.96	1.65	1.65	5.31	5.30	0.01
February	1.40	1.66	0.00	0.00	5.30	7.17	2.44	2.44	4.73	5.30	0.00
March	1.58	1.87	0.00	0.00	4.73	9.86	2.95	2.95	6.91	5.30	1.61
April	5.22	6.19	1.06	0.00	5.30	5.30	3.91	3.91	1.39	5.30	0.00
May	0.00	0.00	0.00	0.00	1.39	1.46	4.25	4.25	0.00	5.30	0.00
June	0.06	0.07	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.27	4.15	4.15	0.00	5.30	0.00
August	0.23	0.27	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00						
Total Mean Yield										7.029	
25.40		30.12		4.43		14.7%					

1965-1966											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
				0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
October	0.00	0.00	0.00	0.00	0.00	5.35	1.30	1.30	4.05	5.30	0.00
November	5.58	6.62	1.27	0.00	4.05	9.01	0.98	0.98	8.03	5.30	2.73
December	4.96	5.88	0.92	0.00	5.30	9.38	1.46	1.46	7.92	5.30	2.62
January	3.77	4.47	0.39	0.00	5.30	9.17	1.65	1.65	7.52	5.30	2.22
February	3.51	4.16	0.30	0.00	5.30	6.11	2.44	2.44	3.67	5.30	0.00
March	0.68	0.81	0.00	0.00	3.67	4.51	2.95	2.95	1.56	5.30	0.00
April	0.71	0.84	0.00	0.00	1.56	1.80	3.91	3.91	0.00	5.30	0.00
May	0.20	0.24	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.14	4.27	4.27	0.00	5.30	0.00
July	0.12	0.14	0.00	0.00	0.00	0.32	4.15	4.15	0.00	5.30	0.00
August	0.27	0.32	0.00	0.00	0.00	0.30	3.54	3.54	0.00	5.30	0.00
September	0.25	0.30	0.00	0.00	0.00						
Total Mean Yield										7.567	
20.05		23.78		2.87		12.1%					

Percolation for San Vecente Creek

1966-1967											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November	5.18	6.14	1.04	0.00	0.00	5.10	1.30	1.30	3.80	5.30	0.00
December	3.62	4.29	0.33	0.00	3.80	7.76	0.98	0.98	6.78	5.30	1.48
January	10.44	12.38	4.89	0.00	5.30	12.79	1.46	1.46	11.33	5.30	6.03
February	0.25	0.30	0.00	0.00	5.30	5.60	1.65	1.65	3.95	5.30	0.00
March	6.18	7.33	1.63	0.00	3.95	9.64	2.44	2.44	7.20	5.30	1.90
April	7.43	8.81	2.48	0.00	5.30	11.63	2.95	2.95	8.68	5.30	3.38
May	0.25	0.30	0.00	0.00	5.30	5.60	3.91	3.91	1.69	5.30	0.00
June	1.44	1.71	0.00	0.00	1.69	3.39	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total Mean Yield										12.791	
34.79		41.25		10.38		25.2%					

1967-1968											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.76	0.90	0.00	0.00	0.00	0.90	2.81	2.81	0.00	5.30	0.00
November	2.13	2.53	0.01	0.00	0.00	2.52	1.30	1.30	1.22	5.30	0.00
December	2.89	3.43	0.12	0.00	1.22	4.52	0.98	0.98	3.54	5.30	0.00
January	6.19	7.34	1.64	0.00	3.54	9.24	1.46	1.46	7.78	5.30	2.48
February	2.62	3.11	0.07	0.00	5.30	8.34	1.65	1.65	6.69	5.30	1.39
March	5.78	6.85	1.38	0.00	5.30	10.77	2.44	2.44	8.33	5.30	3.03
April	0.61	0.72	0.00	0.00	5.30	6.02	2.95	2.95	3.07	5.30	0.00
May	0.24	0.28	0.00	0.00	3.07	3.36	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.28	0.33	0.00	0.00	0.00	0.33	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total Mean Yield										6.902	
21.50		25.50		3.22		12.6%					

1968-1969											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.65	0.77	0.00	0.00	0.00	0.77	2.81	2.81	0.00	5.30	0.00
November	2.69	3.19	0.08	0.00	0.00	3.11	1.30	1.30	1.81	5.30	0.00
December	5.90	7.00	1.46	0.00	1.81	7.35	0.98	0.98	6.37	5.30	1.07
January	8.06	9.56	2.95	0.00	5.30	11.91	1.46	1.46	10.45	5.30	5.15
February	8.68	10.29	3.43	0.00	5.30	12.16	1.65	1.65	10.51	5.30	5.21
March	2.07	2.45	0.01	0.00	5.30	7.75	2.44	2.44	5.31	5.30	0.01
April	2.76	3.27	0.10	0.00	5.30	8.48	2.95	2.95	5.53	5.30	0.23
May	0.06	0.07	0.00	0.00	5.30	5.37	3.91	3.91	1.46	5.30	0.00
June	0.40	0.47	0.00	0.00	1.46	1.94	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.21	0.25	0.00	0.00	0.00	0.25	3.54	3.54	0.00	5.30	0.00
Total Mean Yield										11.666	
31.48		37.33		8.02		21.5%					

1969-1970											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.73	2.05	0.00	0.00	0.00	2.05	2.81	2.81	0.00	5.30	0.00
November	0.76	0.90	0.00	0.00	0.00	0.90	1.30	1.30	0.00	5.30	0.00
December	4.55	5.40	0.72	0.00	0.00	4.68	0.98	0.98	3.70	5.30	0.00
January	8.49	10.07	3.28	0.00	3.70	10.48	1.46	1.46	9.02	5.30	3.72
February	2.31	2.74	0.03	0.00	5.30	8.01	1.65	1.65	6.36	5.30	1.06
March	2.04	2.42	0.00	0.00	5.30	7.71	2.44	2.44	5.27	5.30	0.00
April	0.32	0.38	0.00	0.00	5.27	5.65	2.95	2.95	2.70	5.30	0.00
May	0.27	0.32	0.00	0.00	2.70	3.02	3.91	3.91	0.00	5.30	0.00
June	0.21	0.25	0.00	0.00	0.00	0.25	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total Mean Yield										4.787	
20.68		24.52		4.03		16.4%					

1970-1971											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.90	1.07	0.00	0.00	0.00	1.07	2.81	2.81	0.00	5.30	0.00
November	8.41	9.97	3.22	0.00	0.00	6.75	1.30	1.30	5.45	5.30	0.15
December	7.67	9.10	2.66	0.00	5.30	11.74	0.98	0.98	10.76	5.30	5.46
January	1.61	1.91	0.00	0.00	5.30	7.21	1.46	1.46	5.75	5.30	0.45
February	0.76	0.90	0.00	0.00	5.30	6.20	1.65	1.65	4.55	5.30	0.00
March	3.49	4.14	0.29	0.00	4.55	8.40	2.44	2.44	5.96	5.30	0.66
April	1.51	1.79	0.00	0.00	5.30	7.09	2.95	2.95	4.14	5.30	0.00
May	0.53	0.63	0.00	0.00	4.14	4.77	3.91	3.91	0.86	5.30	0.00
June	0.08	0.09	0.00	0.00	0.86	0.95	4.25	4.25	0.00	5.30	0.00
July	0.28	0.33	0.00	0.00	0.00	0.33	4.27	4.27	0.00	5.30	0.00
August	0.36	0.43	0.00	0.00	0.00	0.43	4.15	4.15	0.00	5.30	0.00
September	0.40	0.47	0.00	0.00	0.00	0.47	3.54	3.54	0.00	5.30	0.00
Total Mean Yield										6.721	
26.00		30.83		6.17		20.0%					

Percolation for San Vicente Creek

1971-1972											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.23	0.27	0.00	0.00	0.00	0.27	2.81	2.81	0.00	5.30	0.00
November	2.29	2.72	0.02	0.00	0.00	2.69	1.30	1.30	1.39	5.30	0.16
December	5.10	6.05	1.00	0.00	1.39	6.44	0.98	0.98	5.46	5.30	0.05
January	1.27	1.51	0.00	0.00	5.30	6.81	1.46	1.46	5.35	5.30	0.00
February	1.33	1.58	0.00	0.00	5.30	6.88	1.65	1.65	5.23	5.30	0.00
March	0.19	0.23	0.00	0.00	5.30	6.44	2.95	2.95	3.01	5.30	0.00
April	1.25	1.48	0.00	0.00	1.54	1.68	3.91	3.91	0.00	5.30	0.00
May	0.11	0.13	0.00	0.00	0.00	0.33	4.25	4.25	0.00	5.30	0.00
June	0.28	0.33	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	1.16	3.54	3.54	0.00	5.30	0.00
September	0.98	1.16	0.00	0.00	0.00						
Total Mean Yield											0.209
13.03 15.45 1.02 6.6%											

1972-1973											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	6.90	8.18	2.11	0.00	0.00	6.07	2.81	2.81	3.26	5.30	0.00
November	6.49	7.70	1.83	0.00	3.26	9.13	1.30	1.30	7.83	5.30	2.53
December	3.17	3.76	0.19	0.00	5.30	8.87	0.98	0.98	7.89	5.30	2.59
January	8.78	10.41	3.51	0.00	5.30	12.20	1.46	1.46	10.74	5.30	4.63
February	7.33	8.69	2.41	0.00	5.30	11.58	1.65	1.65	9.93	5.30	0.00
March	0.23	0.27	0.00	0.00	5.30	5.30	2.44	2.44	2.86	5.30	0.00
April	0.21	0.25	0.00	0.00	2.86	3.13	2.95	2.95	0.18	5.30	0.00
May	0.21	0.25	0.00	0.00	0.18	0.43	3.91	3.91	0.00	5.30	0.00
June	0.05	0.06	0.00	0.00	0.00	0.06	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.09	0.11	0.00	0.00	0.00	0.11	4.15	4.15	0.00	5.30	0.00
September	0.62	0.74	0.00	0.00	0.00	0.74	3.54	3.54	0.00	5.30	0.00
Total yield											15.190
33.87 40.16 10.05 25.0%											

1973-1974											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.04	3.60	0.16	0.00	0.00	3.45	2.81	2.81	0.64	5.30	0.00
November	9.50	11.27	4.10	0.00	0.64	7.81	1.30	1.30	6.51	5.30	1.21
December	6.32	7.49	1.72	0.00	5.30	11.07	0.98	0.98	10.09	5.30	4.79
January	4.87	5.77	0.88	0.00	5.30	10.20	1.46	1.46	8.74	5.30	3.44
February	2.16	2.56	0.01	0.00	5.30	7.85	1.65	1.65	6.20	5.30	0.90
March	7.20	8.54	2.32	0.00	5.30	11.52	2.44	2.44	9.08	5.30	3.78
April	3.22	3.82	0.21	0.00	5.30	8.91	2.95	2.95	5.96	5.30	0.66
May	0.01	0.01	0.00	0.00	5.30	5.31	3.91	3.91	1.40	5.30	0.00
June	0.50	0.59	0.00	0.00	1.40	1.99	4.25	4.25	0.00	5.30	0.00
July	1.01	1.20	0.00	0.00	0.00	1.20	4.27	4.27	0.00	5.30	0.00
August	0.13	0.15	0.00	0.00	0.00	0.15	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total yield											14.780
37.96 45.01 9.39 20.9%											

1974-1975											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.36	1.81	0.00	0.00	0.00	1.61	2.81	2.81	0.00	5.30	0.00
November	0.64	0.76	0.00	0.00	0.00	0.76	1.30	1.30	0.00	5.30	0.00
December	3.64	4.32	0.34	0.00	0.00	3.97	0.98	0.98	2.99	5.30	0.00
January	2.95	3.50	0.14	0.00	2.99	6.36	1.46	1.46	4.90	5.30	0.00
February	4.88	5.79	0.88	0.00	4.90	9.80	1.65	1.65	8.15	5.30	2.85
March	7.11	8.43	2.25	0.00	5.30	11.48	2.44	2.44	9.04	5.30	3.74
April	2.14	2.54	0.01	0.00	5.30	7.83	2.95	2.95	4.88	5.30	0.00
May	0.10	0.12	0.00	0.00	4.88	5.00	3.91	3.91	1.09	5.30	0.00
June	0.28	0.33	0.00	0.00	1.09	1.42	4.25	4.25	0.00	5.30	0.00
July	0.52	0.62	0.00	0.00	0.00	0.62	4.27	4.27	0.00	5.30	0.00
August	0.59	0.70	0.00	0.00	0.00	0.70	4.15	4.15	0.00	5.30	0.00
September	0.02	0.02	0.00	0.00	0.00	0.02	3.54	3.54	0.00	5.30	0.00
Total yield											6.589
24.23 28.73 3.62 12.6%											

1975-1976											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	4.49	5.32	0.69	0.00	0.00	4.63	2.81	2.81	1.82	5.30	0.00
November	0.85	1.01	0.00	0.00	1.82	2.83	1.30	1.30	1.53	5.30	0.00
December	0.69	0.82	0.00	0.00	1.53	2.35	0.98	0.98	1.37	5.30	0.00
January	0.52	0.62	0.00	0.00	1.37	1.99	1.46	1.46	0.53	5.30	0.00
February	2.54	3.01	0.06	0.00	0.53	3.48	1.65	1.65	1.83	5.30	0.00
March	1.13	1.34	0.00	0.00	1.83	3.17	2.44	2.44	0.73	5.30	0.00
April	2.04	2.42	0.00	0.00	0.73	3.15	2.95	2.95	0.20	5.30	0.00
May	0.13	0.15	0.00	0.00	0.20	0.35	3.91	3.91	0.00	5.30	0.00
June	0.04	0.05	0.00	0.00	0.00	0.05	4.25	4.25	0.00	5.30	0.00
July	0.14	0.17	0.00	0.00	0.00	0.17	4.27	4.27	0.00	5.30	0.00
August	1.56	1.85	0.00	0.00	0.00	1.85	4.15	4.15	0.00	5.30	0.00
September	0.59	0.70	0.00	0.00	0.00	0.70	3.54	3.54	0.00	5.30	0.00
Total yield											0.000
14.72 17.46 0.75 4.3%											

Percolation for San Vecente Creek

1976-1977											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.30	0.36	0.00	0.00	0.00	0.36	2.81	2.81	0.00	5.30	0.00
November	1.73	2.05	0.00	0.00	0.00	2.05	1.30	1.30	0.75	5.30	0.00
December	2.41	2.86	0.04	0.00	0.75	3.57	0.98	0.98	2.59	5.30	0.00
January	2.26	2.68	0.02	0.00	2.59	5.25	1.46	1.46	3.79	5.30	0.00
February	1.31	1.55	0.00	0.00	3.79	5.35	1.65	1.65	3.70	5.30	0.00
March	3.15	3.74	0.19	0.00	3.70	7.24	2.44	2.44	4.80	5.30	0.00
April	0.20	0.24	0.00	0.00	4.80	5.04	2.95	2.95	2.09	5.30	0.00
May	1.23	1.46	0.00	0.00	2.09	3.55	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.16	0.19	0.00	0.00	0.00	0.19	4.27	4.27	0.00	5.30	0.00
August	0.27	0.32	0.00	0.00	0.00	0.32	4.15	4.15	0.00	5.30	0.00
September	1.59	1.89	0.00	0.00	0.00	1.89	3.54	3.54	0.00	5.30	0.00
Total yield											0.00
14.61		17.32		0.25		1.4%					

1977-1978											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.47	0.56	0.00	0.00	0.00	0.56	2.81	2.81	0.00	5.30	0.00
November	3.37	4.00	0.25	0.00	0.00	3.74	1.30	1.30	2.44	5.30	0.00
December	5.60	6.64	1.28	0.00	2.44	7.81	0.98	0.98	6.83	5.30	1.53
January	9.01	10.68	3.69	0.00	5.30	12.29	1.46	1.46	10.83	5.30	5.53
February	5.62	6.66	1.29	0.00	5.30	10.68	1.65	1.65	9.03	5.30	3.73
March	5.58	6.62	1.27	0.00	5.30	10.65	2.44	2.44	8.21	5.30	2.91
April	4.50	5.34	0.70	0.00	5.30	9.94	2.95	2.95	6.99	5.30	1.69
May	0.00	0.00	0.00	0.00	5.30	5.30	3.91	3.91	1.39	5.30	0.00
June	0.00	0.00	0.00	0.00	1.39	1.39	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total yield											15.385
34.15		40.50		8.47		20.9%					

1978-1979											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.05	0.06	0.00	0.00	0.00	0.06	2.81	2.81	0.00	5.30	0.00
November	3.04	3.60	0.16	0.00	0.00	3.45	1.30	1.30	2.15	5.30	0.00
December	0.83	0.98	0.00	0.00	2.15	3.13	0.98	0.98	2.15	5.30	2.02
January	8.11	9.62	2.99	0.00	2.15	8.78	1.46	1.46	7.32	5.30	4.10
February	6.27	7.44	1.69	0.00	5.30	11.05	1.65	1.65	9.40	5.30	2.43
March	4.83	5.73	0.86	0.00	5.30	10.17	2.44	2.44	7.73	5.30	0.00
April	0.89	1.06	0.00	0.00	5.30	6.36	2.95	2.95	3.41	5.30	0.00
May	0.85	1.01	0.00	0.00	3.41	4.41	3.91	3.91	0.50	5.30	0.00
June	0.00	0.00	0.00	0.00	0.50	0.50	4.25	4.25	0.00	5.30	0.00
July	0.29	0.34	0.00	0.00	0.00	0.34	4.27	4.27	0.00	5.30	0.00
August	0.13	0.15	0.00	0.00	0.00	0.15	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total yield											8.548
25.29		29.99		5.69		19.0%					

1979-1980											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.23	3.83	0.21	0.00	0.00	3.62	2.81	2.81	0.81	5.30	0.00
November	3.97	4.71	0.47	0.00	0.81	5.05	1.30	1.30	3.75	5.30	0.00
December	5.76	6.83	1.37	0.00	3.75	9.21	0.98	0.98	8.23	5.30	2.93
January	5.40	6.40	1.16	0.00	5.30	10.54	1.46	1.46	9.08	5.30	3.78
February	7.49	8.88	2.53	0.00	5.30	11.66	1.65	1.65	10.01	5.30	4.71
March	1.90	2.25	0.00	0.00	5.30	7.55	2.44	2.44	5.11	5.30	0.00
April	1.88	2.23	0.00	0.00	5.11	7.34	2.95	2.95	4.39	5.30	0.00
May	0.32	0.38	0.00	0.00	4.39	4.77	3.91	3.91	0.86	5.30	0.00
June	0.03	0.04	0.00	0.00	0.86	0.90	4.25	4.25	0.00	5.30	0.00
July	0.07	0.08	0.00	0.00	0.00	0.08	4.27	4.27	0.00	5.30	0.00
August	0.05	0.06	0.00	0.00	0.00	0.06	4.15	4.15	0.00	5.30	0.00
September	0.18	0.21	0.00	0.00	0.00	0.21	3.54	3.54	0.00	5.30	0.00
Total yield											11.419
30.28		35.91		5.74		16.0%					

1980-1981											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.18	0.21	0.00	0.00	0.00	0.21	2.81	2.81	0.00	5.30	0.00
November	0.65	0.77	0.00	0.00	0.00	0.77	1.30	1.30	0.00	5.30	0.00
December	2.44	2.89	0.04	0.00	0.00	2.85	0.98	0.98	1.87	5.30	0.00
January	7.48	8.87	2.52	0.00	1.87	8.22	1.46	1.46	6.76	5.30	1.46
February	2.42	2.87	0.04	0.00	5.30	8.13	1.65	1.65	6.48	5.30	1.18
March	4.71	5.59	0.80	0.00	5.30	10.09	2.44	2.44	7.65	5.30	2.35
April	0.24	0.28	0.00	0.00	5.30	5.58	2.95	2.95	2.63	5.30	0.00
May	0.33	0.39	0.00	0.00	2.63	3.03	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.42	0.50	0.00	0.00	0.00	0.50	4.15	4.15	0.00	5.30	0.00
September	0.37	0.44	0.00	0.00	0.00	0.44	3.54	3.54	0.00	5.30	0.00
Total yield											4.994
19.24		22.82		3.39		14.9%					

Percolation for San Vicente Creek

1981-1982											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.98	4.72	0.47	0.00	0.00	4.25	2.81	2.81	1.44	5.30	0.00
November	7.08	8.40	2.23	0.00	1.44	7.60	1.30	1.30	6.30	5.30	1.00
December	6.00	7.11	1.52	0.00	5.30	10.90	0.98	0.98	9.92	5.30	4.62
January	12.01	14.24	6.29	0.00	5.30	13.25	1.46	1.46	11.79	5.30	6.49
February	5.11	6.06	1.00	0.00	5.30	10.36	1.65	1.65	8.71	5.30	3.41
March	7.91	9.38	2.84	0.00	5.30	11.84	2.44	2.44	9.40	5.30	4.10
April	5.02	5.95	0.95	0.00	5.30	10.30	2.95	2.95	7.35	5.30	2.05
May	0.00	0.00	0.00	0.00	5.30	5.30	3.91	3.91	1.39	5.30	0.00
June	0.42	0.50	0.00	0.00	1.39	1.89	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.15	0.18	0.00	0.00	0.00	0.18	4.15	4.15	0.00	5.30	0.00
September	1.73	2.05	0.00	0.00	0.00	2.05	3.54	3.54	0.00	5.30	0.00
Total yield											21.669

49.41 58.59 15.31 26.1%

1982-1983											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.82	4.53	0.41	0.00	0.00	4.12	2.81	2.81	1.31	5.30	0.00
November	7.03	8.34	2.20	0.00	1.31	7.45	1.30	1.30	6.15	5.30	0.85
December	5.41	6.42	1.17	0.00	5.30	10.55	0.98	0.98	9.57	5.30	4.27
January	8.98	10.65	3.67	0.00	5.30	12.28	1.46	1.46	10.82	5.30	5.52
February	9.14	10.84	3.80	0.00	5.30	12.34	1.65	1.65	10.69	5.30	5.39
March	13.05	15.48	7.26	0.00	5.30	13.52	2.44	2.44	11.08	5.30	5.78
April	3.33	3.95	0.24	0.00	5.30	9.01	2.95	2.95	6.06	5.30	0.76
May	0.89	1.06	0.00	0.00	5.30	6.36	3.91	3.91	2.45	5.30	0.00
June	0.03	0.04	0.00	0.00	2.45	2.48	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.14	0.17	0.00	0.00	0.00	0.17	4.15	4.15	0.00	5.30	0.00
September	0.80	0.95	0.00	0.00	0.00	0.95	3.54	3.54	0.00	5.30	0.00
Total yield											22.561

52.62 62.40 18.74 30.0%

1983-1984											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.12	1.33	0.00	0.00	0.00	1.33	2.81	2.81	0.00	5.30	0.00
November	8.07	9.57	2.96	0.00	0.00	6.61	1.30	1.30	5.31	5.30	0.01
December	9.46	11.22	4.06	0.00	5.30	12.46	0.98	0.98	11.48	5.30	6.18
January	0.26	0.31	0.00	0.00	5.30	5.61	1.46	1.46	4.15	5.30	0.00
February	2.15	2.55	0.01	0.00	4.15	6.69	1.65	1.65	5.04	5.30	0.00
March	2.12	2.51	0.01	0.00	5.04	7.54	2.44	2.44	5.10	5.30	0.00
April	1.09	1.29	0.00	0.00	5.10	6.39	2.95	2.95	3.44	5.30	0.00
May	0.20	0.24	0.00	0.00	3.44	3.68	3.91	3.91	0.00	5.30	0.00
June	0.46	0.55	0.00	0.00	0.00	0.55	4.25	4.25	0.00	5.30	0.00
July	0.06	0.07	0.00	0.00	0.00	0.07	4.27	4.27	0.00	5.30	0.00
August	0.33	0.39	0.00	0.00	0.00	0.39	4.15	4.15	0.00	5.30	0.00
September	0.18	0.21	0.00	0.00	0.00	0.21	3.54	3.54	0.00	5.30	0.00
Total yield											6.188

25.50 30.24 7.04 23.3%

1984-1985											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.81	4.52	0.40	0.00	0.00	4.11	2.81	2.81	1.30	5.30	0.00
November	9.86	11.69	4.40	0.00	1.30	8.60	1.30	1.30	7.30	5.30	2.00
December	3.20	3.79	0.20	0.00	5.30	8.89	0.98	0.98	7.91	5.30	2.61
January	1.02	1.21	0.00	0.00	5.30	6.51	1.46	1.46	5.05	5.30	0.00
February	2.90	3.44	0.13	0.00	5.05	8.36	1.65	1.65	6.71	5.30	1.41
March	5.07	6.01	0.98	0.00	5.30	10.33	2.44	2.44	7.89	5.30	2.59
April	0.13	0.15	0.00	0.00	5.30	5.45	2.95	2.95	2.50	5.30	0.00
May	0.32	0.38	0.00	0.00	2.50	2.88	3.91	3.91	0.00	5.30	0.00
June	0.47	0.56	0.00	0.00	0.00	0.56	4.25	4.25	0.00	5.30	0.00
July	0.31	0.37	0.00	0.00	0.00	0.37	4.27	4.27	0.00	5.30	0.00
August	0.05	0.06	0.00	0.00	0.00	0.06	4.15	4.15	0.00	5.30	0.00
September	0.40	0.47	0.00	0.00	0.00	0.47	3.54	3.54	0.00	5.30	0.00
Total yield											8.617

27.54 32.66 6.11 18.7%

1985-1986											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.51	1.79	0.00	0.00	0.00	1.79	2.81	2.81	0.00	5.30	0.00
November		0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	3.18	3.77	0.20	0.00	0.00	3.57	0.98	0.98	2.59	5.30	0.00
January	4.98	5.91	0.93	0.00	2.59	7.57	1.46	1.46	6.11	5.30	0.81
February	11.48	13.61	5.81	0.00	5.30	13.10	1.65	1.65	11.45	5.30	6.15
March	7.12	8.44	2.26	0.00	5.30	11.48	2.44	2.44	9.04	5.30	3.74
April	0.50	0.59	0.00	0.00	5.30	5.89	2.95	2.95	2.94	5.30	0.00
May	0.84	1.00	0.00	0.00	2.94	3.94	3.91	3.91	0.03	5.30	0.00
June	0.09	0.11	0.00	0.00	0.03	0.14	4.25	4.25	0.00	5.30	0.00
July	0.08	0.09	0.00	0.00	0.00	0.09	4.27	4.27	0.00	5.30	0.00
August	0.25	0.30	0.00	0.00	0.00	0.30	4.15	4.15	0.00	5.30	0.00
September	2.20	2.61	0.01	0.00	0.00	2.59	3.54	3.54	0.00	5.30	0.00
Total yield											10.700

32.23 38.22 9.22 24.1%

Percolation for San Vicente Creek

1986-1987											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.42	0.50	0.00	0.00	0.00	0.50	2.81	2.81	0.00	5.30	0.00
November	0.32	0.38	0.00	0.00	0.00	0.38	1.30	1.30	0.00	5.30	0.00
December	3.10	3.68	0.17	0.00	0.00	3.50	0.98	0.98	2.52	5.30	0.00
January	5.10	6.05	1.00	0.00	2.52	7.57	1.46	1.46	6.11	5.30	0.81
February	3.87	4.59	0.54	0.00	5.30	9.46	1.65	1.65	7.81	5.30	2.51
March	4.16	4.93	0.43	0.00	5.30	9.69	2.44	2.44	7.25	5.30	1.95
April	0.95	1.13	0.00	0.00	5.30	6.43	2.95	2.95	3.48	5.30	0.00
May	0.06	0.07	0.00	0.00	3.48	3.55	3.91	3.91	0.00	5.30	0.00
June	0.08	0.09	0.00	0.00	0.00	0.09	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.10	0.12	0.00	0.00	0.00	0.12	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total yield											5.274

18.16 21.53 2.14 9.9%

1987-1988											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.13	2.53	0.01	0.00	0.00	2.52	2.81	2.81	0.00	5.30	0.00
November	2.63	3.12	0.07	0.00	0.00	3.05	1.30	1.30	1.75	5.30	0.00
December	6.03	7.15	1.54	0.00	1.75	7.36	0.98	0.98	6.38	5.30	1.08
January	4.48	5.31	0.69	0.00	5.30	9.93	1.46	1.46	8.47	5.30	3.17
February	0.58	0.69	0.00	0.00	5.30	5.99	1.65	1.65	4.34	5.30	0.00
March	0.12	0.14	0.00	0.00	4.34	4.48	2.44	2.44	2.04	5.30	0.00
April	3.04	3.60	0.16	0.00	2.04	5.49	2.95	2.95	2.54	5.30	0.00
May	0.69	0.82	0.00	0.00	2.54	3.35	3.91	3.91	0.00	5.30	0.00
June	0.29	0.34	0.00	0.00	0.00	0.34	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.01	0.01	0.00	0.00	0.00	0.01	4.15	4.15	0.00	5.30	0.00
September	0.02	0.02	0.00	0.00	0.00	0.02	3.54	3.54	0.00	5.30	0.00
Total yield											4.248

20.02 23.74 2.46 10.4%

1988-1989											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.94	1.11	0.00	0.00	0.00	1.11	2.81	2.81	0.00	5.30	0.00
November	3.55	4.21	0.31	0.00	0.00	3.90	1.30	1.30	2.60	5.30	0.00
December	5.17	6.13	1.03	0.00	2.60	7.70	0.98	0.98	6.72	5.30	1.42
January	2.01	2.38	0.00	0.00	5.30	7.68	1.46	1.46	6.22	5.30	0.92
February	1.30	1.54	0.00	0.00	5.30	6.84	1.65	1.65	5.19	5.30	0.00
March	7.95	9.43	2.87	0.00	5.19	11.75	2.44	2.44	9.31	5.30	4.01
April	1.83	2.17	0.00	0.00	5.30	7.47	2.95	2.95	4.52	5.30	0.00
May	0.31	0.37	0.00	0.00	4.52	4.89	3.91	3.91	0.98	5.30	0.00
June	0.10	0.12	0.00	0.00	0.98	1.10	4.25	4.25	0.00	5.30	0.00
July	0.13	0.15	0.00	0.00	0.00	0.15	4.27	4.27	0.00	5.30	0.00
August	0.27	0.32	0.00	0.00	0.00	0.32	4.15	4.15	0.00	5.30	0.00
September	0.95	1.13	0.00	0.00	0.00	1.13	3.54	3.54	0.00	5.30	0.00
Total yield											6.349

24.51 29.06 4.21 14.5%

1989-1990											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.05	2.43	0.00	0.00	0.00	2.43	2.81	2.81	0.00	5.30	0.00
November	1.95	2.31	0.00	0.00	0.00	2.31	1.30	1.30	1.01	5.30	0.00
December	0.03	0.04	0.00	0.00	1.01	1.05	0.98	0.98	0.07	5.30	0.00
January	4.29	5.09	0.60	0.00	0.07	4.55	1.46	1.46	3.09	5.30	0.00
February	2.52	2.99	0.05	0.00	3.09	6.03	1.65	1.65	4.38	5.30	0.00
March	1.33	1.58	0.00	0.00	4.38	5.96	2.44	2.44	3.52	5.30	0.00
April	0.29	0.34	0.00	0.00	3.52	3.86	2.95	2.95	0.91	5.30	0.00
May	2.82	3.34	0.11	0.00	0.91	4.15	3.91	3.91	0.24	5.30	0.00
June	0.46	0.55	0.00	0.00	0.24	0.78	4.25	4.25	0.00	5.30	0.00
July	0.24	0.28	0.00	0.00	0.00	0.28	4.27	4.27	0.00	5.30	0.00
August	0.14	0.17	0.00	0.00	0.00	0.17	4.15	4.15	0.00	5.30	0.00
September	0.33	0.39	0.00	0.00	0.00	0.39	3.54	3.54	0.00	5.30	0.00
Total yield											0.000

16.45 19.51 0.77 3.9%

1990-1991											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.55	0.65	0.00	0.00	0.00	0.65	2.81	2.81	0.00	5.30	0.00
November	0.74	0.88	0.00	0.00	0.00	0.88	1.30	1.30	0.00	5.30	0.00
December	2.58	3.06	0.06	0.00	0.00	3.00	0.98	0.98	2.02	5.30	0.00
January	0.56	0.66	0.00	0.00	2.02	2.68	1.46	1.46	1.22	5.30	0.00
February	4.19	4.97	0.56	0.00	1.22	5.63	1.65	1.65	3.98	5.30	0.00
March	8.81	10.45	3.53	0.00	3.98	10.90	2.44	2.44	8.46	5.30	3.16
April	0.90	1.07	0.00	0.00	5.30	6.37	2.95	2.95	3.42	5.30	0.00
May	0.67	0.79	0.00	0.00	3.42	4.21	3.91	3.91	0.30	5.30	0.00
June	0.32	0.38	0.00	0.00	0.30	0.68	4.25	4.25	0.00	5.30	0.00
July	0.27	0.32	0.00	0.00	0.00	0.32	4.27	4.27	0.00	5.30	0.00
August	0.92	1.09	0.00	0.00	0.00	1.09	4.15	4.15	0.00	5.30	0.00
September	0.25	0.30	0.00	0.00	0.00	0.30	3.54	3.54	0.00	5.30	0.00
Total yield											3.156

20.76 24.62 4.15 16.9%

Percolation for San Vicente Creek

1991-1992

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.63	3.12	0.07	0.00	0.00	3.05	2.81	2.81	0.24	5.30	0.00
November	1.01	1.20	0.00	0.00	0.24	1.44	1.30	1.30	0.14	5.30	0.00
December	3.60	4.27	0.33	0.00	0.14	4.08	0.98	0.98	3.10	5.30	0.00
January	3.18	3.77	0.20	0.00	3.10	6.67	1.46	1.46	5.21	5.30	0.00
February	8.70	10.32	3.45	0.00	5.21	12.08	1.65	1.65	10.43	5.30	5.13
March	3.45	4.09	0.28	0.00	5.30	9.11	2.44	2.44	6.67	5.30	1.37
April	0.40	0.47	0.00	0.00	5.30	5.77	2.95	2.95	2.82	5.30	0.00
May	0.06	0.07	0.00	0.00	2.82	2.90	3.91	3.91	0.00	5.30	0.00
June	0.84	1.00	0.00	0.00	0.00	1.00	4.25	4.25	0.00	5.30	0.00
July	0.02	0.02	0.00	0.00	0.00	0.02	4.27	4.27	0.00	5.30	0.00
August	0.18	0.21	0.00	0.00	0.00	0.21	4.15	4.15	0.00	5.30	0.00
September	0.12	0.14	0.00	0.00	0.00	0.14	3.54	3.54	0.00	5.30	0.00
Total yield											6.506
24.19 28.69 4.32 15.1%											

1992-1993

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.88	3.42	0.12	0.00	0.00	3.29	2.81	2.81	0.48	5.30	0.00
November	0.67	0.79	0.00	0.00	0.48	1.28	1.30	1.30	0.00	5.30	0.00
December	8.10	9.61	2.98	0.00	0.00	6.63	0.98	0.98	5.65	5.30	0.35
January	9.21	10.92	3.86	0.00	5.30	12.36	1.46	1.46	10.90	5.30	5.60
February	5.59	6.63	1.27	0.00	5.30	10.66	1.65	1.65	9.01	5.30	3.71
March	2.79	3.31	0.10	0.00	5.30	8.51	2.44	2.44	6.07	5.30	0.77
April	1.68	1.99	0.00	0.00	5.30	7.29	2.95	2.95	4.34	5.30	0.00
May	1.38	1.64	0.00	0.00	4.34	5.98	3.91	3.91	2.07	5.30	0.00
June	0.48	0.57	0.00	0.00	2.07	2.64	4.25	4.25	0.00	5.30	0.00
July	0.06	0.07	0.00	0.00	0.00	0.07	4.27	4.27	0.00	5.30	0.00
August	0.17	0.20	0.00	0.00	0.00	0.20	4.15	4.15	0.00	5.30	0.00
September	0.21	0.25	0.00	0.00	0.00	0.25	3.54	3.54	0.00	5.30	0.00
Total yield											10.425
33.22 39.39 8.33 21.1%											

1993-1994

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.82	0.74	0.00	0.00	0.00	0.74	2.81	2.81	0.00	5.30	0.00
November	1.55	1.84	0.00	0.00	0.00	1.84	1.30	1.30	0.54	5.30	0.00
December	2.77	3.28	0.10	0.00	0.54	3.73	0.98	0.98	2.75	5.30	0.00
January	2.63	3.12	0.07	0.00	2.75	5.79	1.46	1.46	4.33	5.30	0.00
February	5.61	6.65	1.28	0.00	4.33	9.70	1.65	1.65	8.05	5.30	2.75
March	0.77	0.91	0.00	0.00	5.30	6.21	2.44	2.44	3.77	5.30	0.00
April	1.85	2.19	0.00	0.00	3.77	5.97	2.95	2.95	3.02	5.30	0.00
May	1.64	1.94	0.00	0.00	3.02	4.96	3.91	3.91	1.05	5.30	0.00
June	0.11	0.13	0.00	0.00	1.05	1.18	4.25	4.25	0.00	5.30	0.00
July	0.13	0.15	0.00	0.00	0.00	0.15	4.27	4.27	0.00	5.30	0.00
August	0.17	0.20	0.00	0.00	0.00	0.20	4.15	4.15	0.00	5.30	0.00
September	0.09	0.11	0.00	0.00	0.00	0.11	3.54	3.54	0.00	5.30	0.00
Total yield											2.753
17.94 21.27 1.45 6.8%											

1994-1995

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.08	0.09	0.00	0.00	0.00	0.09	2.81	2.81	0.00	5.30	0.00
November	5.34	6.33	1.13	0.00	0.00	5.20	1.30	1.30	3.90	5.30	0.00
December	3.93	4.66	0.45	0.00	3.90	8.11	0.98	0.98	7.13	5.30	1.83
January	11.38	13.49	5.72	0.00	5.30	13.07	1.46	1.46	11.61	5.30	6.31
February	0.26	0.31	0.00	0.00	5.30	5.61	1.65	1.65	3.96	5.30	0.00
March	8.71	10.33	3.45	0.00	3.96	10.83	2.44	2.44	8.39	5.30	3.09
April	2.35	2.79	0.03	0.00	5.30	8.06	2.95	2.95	5.11	5.30	0.00
May	1.54	1.83	0.00	0.00	5.11	6.93	3.91	3.91	3.02	5.30	0.00
June	0.78	0.92	0.00	0.00	3.02	3.95	4.25	4.25	0.00	5.30	0.00
July	0.05	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
August	0.05	0.06	0.00	0.00	0.00	0.06	4.15	4.15	0.00	5.30	0.00
September	0.15	0.18	0.00	0.00	0.00	0.18	3.54	3.54	0.00	5.30	0.00
Total yield											11.240
34.62 41.05 10.78 26.3%											

1995-1996

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.07	0.08	0.00	0.00	0.00	0.08	2.81	2.81	0.00	5.30	0.00
November	0.30	0.36	0.00	0.00	0.00	0.36	1.30	1.30	0.00	5.30	0.00
December	8.25	9.78	3.09	0.00	0.00	6.69	0.98	0.98	5.71	5.30	0.41
January	8.27	9.81	3.11	0.00	5.30	12.00	1.46	1.46	10.54	5.30	5.24
February	7.05	8.36	2.21	0.00	5.30	11.45	1.65	1.65	9.80	5.30	4.50
March	3.34	3.96	0.24	0.00	5.30	9.02	2.44	2.44	6.58	5.30	1.28
April	1.98	2.35	0.00	0.00	5.30	7.65	2.95	2.95	4.70	5.30	0.00
May	2.16	2.56	0.01	0.00	4.70	7.25	3.91	3.91	3.34	5.30	0.00
June	0.13	0.15	0.00	0.00	3.34	3.49	4.25	4.25	0.00	5.30	0.00
July	0.06	0.07	0.00	0.00	0.00	0.07	4.27	4.27	0.00	5.30	0.00
August	0.07	0.08	0.00	0.00	0.00	0.08	4.15	4.15	0.00	5.30	0.00
September	0.20	0.24	0.00	0.00	0.00	0.24	3.54	3.54	0.00	5.30	0.00
Total yield											11.422
31.88 37.80 8.67 22.9%											

Percolation for San Vecente Creek

1996-1997

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.47	1.74	0.00	0.00	0.00	1.74	2.81	2.81	0.00	5.30	0.00
November	2.71	3.21	0.09	0.00	0.00	3.13	1.30	1.30	1.83	5.30	0.00
December	8.83	10.47	3.55	0.00	1.83	8.75	0.98	0.98	7.77	5.30	2.47
January	9.86	11.69	4.40	0.00	5.30	12.60	1.46	1.46	11.14	5.30	5.84
February	0.29	0.34	0.00	0.00	5.30	5.64	1.65	1.65	3.99	5.30	0.00
March	0.59	0.70	0.00	0.00	3.99	4.69	2.44	2.44	2.25	5.30	0.00
April	0.96	1.14	0.00	0.00	2.25	3.39	2.95	2.95	0.44	5.30	0.00
May	0.44	0.52	0.00	0.00	0.44	0.96	3.91	3.91	0.00	5.30	0.00
June	0.57	0.68	0.00	0.00	0.00	0.68	4.25	4.25	0.00	5.30	0.00
July	0.13	0.15	0.00	0.00	0.00	0.15	4.27	4.27	0.00	5.30	0.00
August	0.77	0.91	0.00	0.00	0.00	0.91	4.15	4.15	0.00	5.30	0.00
September	0.08	0.09	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00
Total yield											8.304
26.70 31.66 8.03 25.4%											

1997-1998

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.77	0.91	0.00	0.00	0.00	0.91	2.81	2.81	0.00	5.30	0.00
November	7.84	9.30	2.78	0.00	0.00	6.51	1.30	1.30	5.21	5.30	0.00
December	3.65	4.33	0.35	0.00	5.21	9.20	0.98	0.98	8.22	5.30	2.92
January	12.13	14.38	6.40	0.00	5.30	13.28	1.46	1.46	11.82	5.30	6.52
February	15.70	18.62	9.83	0.00	5.30	14.09	1.65	1.65	12.44	5.30	7.14
March	2.58	3.06	0.06	0.00	5.30	8.30	2.44	2.44	5.86	5.30	0.56
April	2.73	3.24	0.09	0.00	5.30	8.45	2.95	2.95	5.50	5.30	0.20
May	4.01	4.76	0.48	0.00	5.30	9.57	3.91	3.91	5.66	5.30	0.36
June	0.30	0.36	0.00	0.00	5.30	5.66	4.25	4.25	1.41	5.30	0.00
July	0.18	0.21	0.00	0.00	1.41	1.62	4.27	4.27	0.00	5.30	0.00
August	0.06	0.07	0.00	0.00	0.00	0.07	4.15	4.15	0.00	5.30	0.00
September	0.25	0.30	0.00	0.00	0.00	0.30	3.54	3.54	0.00	5.30	0.00
Total yield											17.693
50.20 59.53 20.00 33.6%											

1998-1999

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.97	1.15	0.00	0.00	0.00	1.15	2.81	2.81	0.00	5.30	0.00
November	3.75	4.45	0.38	0.00	0.00	4.07	1.30	1.30	2.77	5.30	0.00
December	2.09	2.48	0.01	0.00	2.77	5.24	0.98	0.98	4.26	5.30	0.00
January	6.4	7.59	1.77	0.00	4.26	10.07	1.46	1.46	8.61	5.30	3.31
February	14	16.60	8.17	0.00	5.30	13.74	1.65	1.65	12.09	5.30	6.79
March	4.7	5.57	0.79	0.00	5.30	10.08	2.44	2.44	7.64	5.30	2.34
April	2.73	3.24	0.09	0.00	5.30	8.45	2.95	2.95	5.50	5.30	0.20
May	0.12	0.14	0.00	0.00	5.30	5.44	3.91	3.91	1.53	5.30	0.00
June	0.46	0.55	0.00	0.00	1.53	2.08	4.25	4.25	0.00	5.30	0.00
July	0.05	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
August	0.34	0.40	0.00	0.00	0.00	0.40	4.15	4.15	0.00	5.30	0.00
September	0.21	0.25	0.00	0.00	0.00	0.25	3.54	3.54	0.00	5.30	0.00
Total yield											12.640
35.82 42.48 11.21 26.4%											

1999-2000

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.82	0.97	0.00	0.00	0.00	0.97	2.81	2.81	0.00	5.30	0.00
November	2.94	3.49	0.13	0.00	0.00	3.35	1.30	1.30	2.05	5.30	0.00
December	0.93	1.10	0.00	0.00	2.05	3.15	0.98	0.98	2.17	5.30	0.00
January	7.53	8.93	2.55	0.00	2.17	8.55	1.46	1.46	7.09	5.30	1.79
February	11.27	13.36	5.62	0.00	5.30	13.04	1.65	1.65	11.39	5.30	6.09
March	2.45	2.91	0.04	0.00	5.30	8.16	2.44	2.44	5.72	5.30	0.42
April	3.1	3.68	0.17	0.00	5.30	8.80	2.95	2.95	5.85	5.30	0.55
May	1.72	2.04	0.00	0.00	5.30	7.34	3.91	3.91	3.43	5.30	0.00
June	0.18	0.21	0.00	0.00	3.43	3.64	4.25	4.25	0.00	5.30	0.00
July	0.26	0.31	0.00	0.00	0.00	0.31	4.27	4.27	0.00	5.30	0.00
August	0.19	0.23	0.00	0.00	0.00	0.23	4.15	4.15	0.00	5.30	0.00
September	0.41	0.49	0.00	0.00	0.00	0.49	3.54	3.54	0.00	5.30	0.00
Total yield											8.855
31.80 37.71 8.53 22.6%											

2000-2001

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.74	4.43	0.38	0.00	0.00	4.06	2.81	2.81	1.25	5.30	0.00
November	1.3	1.54	0.00	0.00	1.25	2.79	1.30	1.30	1.49	5.30	0.00
December	0.69	0.82	0.00	0.00	1.49	2.31	0.98	0.98	1.33	5.30	0.00
January	5.75	6.82	1.37	0.00	1.33	6.78	1.46	1.46	5.32	5.30	0.02
February	6.44	7.64	1.80	0.00	5.30	11.14	1.65	1.65	9.49	5.30	4.19
March	1.67	1.98	0.00	0.00	5.30	7.28	2.44	2.44	4.84	5.30	0.00
April	2.19	2.60	0.01	0.00	4.84	7.42	2.95	2.95	4.47	5.30	0.00
May	0.02	0.02	0.00	0.00	4.47	4.50	3.91	3.91	0.59	5.30	0.00
June	0.12	0.14	0.00	0.00	0.59	0.73	4.25	4.25	0.00	5.30	0.00
July	0.28	0.33	0.00	0.00	0.00	0.33	4.27	4.27	0.00	5.30	0.00
August	0.39	0.46	0.00	0.00	0.00	0.46	4.15	4.15	0.00	5.30	0.00
September	0.26	0.31	0.00	0.00	0.00	0.31	3.54	3.54	0.00	5.30	0.00
Total yield											4.209
22.85 27.10 3.56 13.1%											

Percolation for San Vecente Creek

2001-2002

Adjusted San Gregorio data

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.47	0.56	0.00	0.00	0.00	0.56	2.81	2.81	0.00	5.30	0.00
November	6.69	7.93	1.96	0.00	0.00	5.97	1.30	1.30	4.67	5.30	0.00
December	9.26	10.98	3.90	0.00	4.67	11.75	0.98	0.98	10.77	5.30	5.47
January	2.55	3.02	0.06	0.00	5.30	8.27	1.46	1.46	6.81	5.30	1.51
February	2.13	2.53	0.01	0.00	5.30	7.82	1.65	1.65	6.17	5.30	0.87
March	2.54	3.01	0.06	0.00	5.30	8.26	2.44	2.44	5.82	5.30	0.52
April	0.68	0.81	0.00	0.00	5.30	6.11	2.95	2.95	3.16	5.30	0.00
May	0.88	1.04	0.00	0.00	3.16	4.20	3.91	3.91	0.29	5.30	0.00
June	0.23	0.27	0.00	0.00	0.29	0.56	4.25	4.25	0.00	5.30	0.00
July	0.18	0.21	0.00	0.00	0.00	0.21	4.27	4.27	0.00	5.30	0.00
August	0.08	0.09	0.00	0.00	0.00	0.09	4.15	4.15	0.00	5.30	0.00
September	0.17	0.20	0.00	0.00	0.00	0.20	3.54	3.54	0.00	5.30	0.00
	25.86	30.67	5.98	19.5%						Total yield	8.361

2002-2003

Estimate for missing data in red based on San Gregorio data for same period

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.17	0.20	0.00	0.00	0.00	0.20	2.81	2.81	0.00	5.30	0.00
November	2.7	3.20	0.08	0.00	0.00	3.12	1.30	1.30	1.82	5.30	0.00
December	9	10.67	3.69	0.00	1.82	8.80	0.98	0.98	7.82	5.30	2.52
January	1.34	1.59	0.00	0.00	5.30	6.89	1.46	1.46	5.43	5.30	0.13
February	3.46	4.10	0.28	0.00	5.30	9.12	1.65	1.65	7.47	5.30	2.17
March	1.82	2.16	0.00	0.00	5.30	7.46	2.44	2.44	5.02	5.30	0.00
April	5.51	6.53	1.22	0.00	5.02	10.33	2.95	2.95	7.38	5.30	2.08
May	0.88	1.04	0.00	0.00	2.43	6.34	3.91	3.91	2.43	5.30	0.00
June	0.18	0.21	0.00	0.00	2.43	2.65	4.25	4.25	0.00	5.30	0.00
July	0.01	0.01	0.00	0.00	0.00	0.01	4.27	4.27	0.00	5.30	0.00
August	0.04	0.05	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
September	0.10	0.12	0.00	0.00	0.00	0.12	3.54	3.54	0.00	5.30	0.00
	25.21	29.89	5.28	17.6%						Total yield	6.903

2003-2004

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.22	0.26	0.00	0.00	0.00	0.26	2.81	2.81	0.00	5.30	0.00
November	2.27	2.69	0.02	0.00	0.00	2.67	1.30	1.30	1.37	5.30	0.00
December	8.81	10.45	3.53	0.00	1.37	8.28	0.98	0.98	7.30	5.30	2.00
January	3.33	3.95	0.24	0.00	5.30	9.01	1.46	1.46	7.55	5.30	2.25
February	6.37	7.55	1.75	0.00	5.30	11.10	1.65	1.65	9.45	5.30	4.15
March	1.39	1.65	0.00	0.00	5.30	6.95	2.44	2.44	4.51	5.30	0.00
April	0.31	0.37	0.00	0.00	4.51	4.88	2.95	2.95	1.93	5.30	0.00
May	0.15	0.18	0.00	0.00	1.93	2.10	3.91	3.91	0.00	5.30	0.00
June	0.05	0.06	0.00	0.00	0.00	0.06	4.25	4.25	0.00	5.30	0.00
July	0.34	0.40	0.00	0.00	0.00	0.40	4.27	4.27	0.00	5.30	0.00
August	0.33	0.39	0.00	0.00	0.00	0.39	4.15	4.15	0.00	5.30	0.00
September	0.29	0.34	0.00	0.00	0.00	0.34	3.54	3.54	0.00	5.30	0.00
	23.86	28.29	5.55	19.6%						Total yield	8.404

2004-2005

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	4.6	5.45	0.74	0.00	0.00	4.71	2.81	2.81	1.90	5.30	0.00
November	1.38	1.64	0.00	0.00	1.90	3.54	1.30	1.30	2.24	5.30	0.00
December	8.66	10.27	3.41	0.00	2.24	9.09	0.98	0.98	8.11	5.30	2.81
January	6.11	7.25	1.59	0.00	5.30	10.96	1.46	1.46	9.50	5.30	4.20
February	5.28	6.26	1.10	0.00	5.30	10.47	1.65	1.65	8.82	5.30	3.52
March	5.52	6.55	1.23	0.00	5.30	10.62	2.44	2.44	8.18	5.30	2.88
April	1.69	2.00	0.00	0.00	5.30	7.30	2.95	2.95	4.35	5.30	0.00
May	2.32	2.75	0.03	0.00	4.35	7.08	3.91	3.91	3.17	5.30	0.00
June	1.31	1.55	0.00	0.00	3.17	4.72	4.25	4.25	0.47	5.30	0.00
July	0.00	0.00	0.00	0.00	0.47	0.47	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	36.87	43.72	8.10	18.5%						Total yield	13.403

Percolation for Lower Moss Beach

Percolation Estimates for Lower Moss Beach
1950-2005

Averages			
Years used in ave	55		
Precipitation	27.047		
Adj. Precipitation	25.576		
Runoff	8.727	34%	
Irrigation		0%	
Evapotranspiration	16.855	66%	
Percolation	1.132	4%	

Crop Coeff.	
October	1
November	1
December	1
January	1
February	1
March	1
April	1
May	1
June	1
July	1
August	1
September	1

Soil Water Holding Capacity- (mean value)	5.3
Land Use	S
Contoured Row Crops Range	
Farmsteads	
Fallow Row	
S=	5
Adj. Precip. Facto	0.9456
Irrigation efficienc	1

1947-1948	Monthly Input	SCS equation				(input or calc.)		(Initial =0)		input		calc		Available to Recharge
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation			
October		0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00			
November		0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00			
December		0.00	0.00	0.00	0.00	0.00	0.98	0.98	0.00	5.30	0.00			
January		0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.00	5.30	0.00			
February		0.00	0.00	0.00	0.00	0.00	1.65	1.65	0.00	5.30	0.00			
March		0.00	0.00	0.00	0.00	0.00	2.44	2.44	0.00	5.30	0.00			
April		0.00	0.00	0.00	0.00	0.00	2.95	2.95	0.00	5.30	0.00			
May		0.00	0.00	0.00	0.00	0.00	3.91	3.91	0.00	5.30	0.00			
June		0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00			
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00			
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00			
September	0.04	0.04	0.00	0.00	0.00	0.04	3.54	3.54	0.00	5.30	0.00			
Totals	0.04	0.04	0.00	0.0%								Total Mean Yield	0.000	

1948-1949	Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation	
October		0.55	0.52	0.00	0.00	0.00	0.52	2.81	2.81	0.00	5.30	0.00	
November		0.66	0.62	0.00	0.00	0.00	0.62	1.30	1.30	0.00	5.30	0.00	
December		4.99	4.72	1.59	0.00	0.00	3.13	0.98	0.98	2.15	5.30	0.00	
January		1.73	1.64	0.07	0.00	2.15	3.72	1.46	1.46	2.26	5.30	0.00	
February		3.91	3.70	0.95	0.00	2.26	5.01	1.65	1.65	3.36	5.30	0.00	
March		4.96	4.69	1.57	0.00	3.36	6.48	2.44	2.44	4.04	5.30	0.00	
April		0.00	0.00	0.00	0.00	4.04	4.04	2.95	2.95	1.09	5.30	0.00	
May		0.41	0.39	0.00	0.00	1.09	1.48	3.91	3.91	0.00	5.30	0.00	
June		0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00	
July		0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00	
August		0.17	0.16	0.00	0.00	0.00	0.16	4.15	4.15	0.00	5.30	0.00	
September			0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00	
		17.38	16.43	4.17	25.4%							Total Mean Yield	0.000

1949-1950	Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation	
October		0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00	
November			0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00	
December			0.00	0.00	0.00	0.00	0.00	0.98	0.98	0.00	5.30	0.00	
January			0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.00	5.30	0.00	
February		2.24	2.12	0.20	0.00	0.00	1.91	1.65	1.65	0.26	5.30	0.00	
March		1.34	1.27	0.01	0.00	0.26	1.52	2.44	2.44	0.00	5.30	0.00	
April		2.12	2.00	0.17	0.00	0.00	1.84	2.95	2.95	0.00	5.30	0.00	
May		0.37	0.35	0.00	0.00	0.00	0.35	3.91	3.91	0.00	5.30	0.00	
June		0.14	0.13	0.00	0.00	0.00	0.13	4.25	4.25	0.00	5.30	0.00	
July		0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00	
August		0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00	
September		0.08	0.08	0.00	0.00	0.00	0.08	3.54	3.54	0.00	5.30	0.00	
		6.29	5.95	0.39	6.5%							Total Mean Yield	0.000

1950-1951	Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation	
October		1.95	1.84	0.12	0.00	0.00	1.72	2.81	2.81	0.00	5.30	0.00	
November		5.46	5.16	1.89	0.00	0.00	3.27	1.30	1.30	1.97	5.30	0.00	
December		6.01	5.68	2.26	0.00	1.97	5.39	0.98	0.98	4.41	5.30	0.00	
January		5.11	4.83	1.66	0.00	4.41	7.58	1.46	1.46	6.12	5.30	0.82	
February		2.98	2.82	0.48	0.00	5.30	7.63	1.65	1.65	5.98	5.30	0.68	
March		2.84	2.69	0.42	0.00	5.30	7.56	2.44	2.44	5.12	5.30	0.00	
April		0.91	0.86	0.00	0.00	5.12	5.98	2.95	2.95	3.03	5.30	0.00	
May		0.98	0.93	0.00	0.00	3.03	3.96	3.91	3.91	0.05	5.30	0.00	
June		0.17	0.16	0.00	0.00	0.05	0.21	4.25	4.25	0.00	5.30	0.00	
July		0.12	0.11	0.00	0.00	0.00	0.11	4.27	4.27	0.00	5.30	0.00	
August		0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00	
September		0.28	0.26	0.00	0.00	0.00	0.26	3.54	3.54	0.00	5.30	0.00	
		26.81	25.35	6.85	27.0%							Total Mean Yield	1.502

Percolation for Lowere Moss Beach

1951-1952

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.16	1.10	0.00	0.00	0.00	1.10	2.81	2.81	0.00	5.30	0.00
November	4.15	3.92	1.08	0.00	0.00	2.85	1.30	1.30	1.55	5.30	0.00
December	11.30	10.69	6.39	0.00	1.55	5.84	0.98	0.98	4.86	5.30	0.00
January	9.31	8.80	4.76	0.00	4.86	8.91	1.46	1.46	7.45	5.30	2.15
February	2.20	2.08	0.19	0.00	5.30	7.19	1.65	1.65	5.54	5.30	0.24
March	6.21	5.87	2.40	0.00	5.30	8.77	2.44	2.44	6.33	5.30	1.03
April	0.62	0.59	0.00	0.00	5.30	5.89	2.95	2.95	2.94	5.30	0.00
May	0.45	0.43	0.00	0.00	2.94	3.36	3.91	3.91	0.00	5.30	0.00
June	1.14	1.08	0.00	0.00	0.00	1.08	4.25	4.25	0.00	5.30	0.00
July	0.03	0.03	0.00	0.00	0.00	0.03	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.15	0.14	0.00	0.00	0.00	0.14	3.54	3.54	0.00	5.30	0.00

36.72 34.72 14.82 42.7% Total Mean Yield 3.416

1952-1953

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.27	0.26	0.00	0.00	0.00	0.26	2.81	2.81	0.00	5.30	0.00
November	2.66	2.52	0.35	0.00	0.00	2.16	1.30	1.30	0.86	5.30	0.00
December	11.36	10.74	6.44	0.00	0.86	5.17	0.98	0.98	4.19	5.30	0.00
January	4.55	4.30	1.31	0.00	4.19	7.18	1.46	1.46	5.72	5.30	0.42
February	0.00	0.00	0.00	0.00	5.30	5.30	1.65	1.65	3.65	5.30	0.00
March	0.00	0.00	0.00	0.00	3.65	3.65	2.44	2.44	1.21	5.30	0.00
April	3.17	3.00	0.57	0.00	1.21	3.64	2.95	2.95	0.69	5.30	0.00
May	0.60	0.57	0.00	0.00	0.69	1.25	3.91	3.91	0.00	5.30	0.00
June	0.56	0.53	0.00	0.00	0.00	0.53	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.53	0.50	0.00	0.00	0.00	0.50	4.15	4.15	0.00	5.30	0.00
September	0.12	0.11	0.00	0.00	0.00	0.11	3.54	3.54	0.00	5.30	0.00

23.82 22.52 8.67 38.5% Total Mean Yield 0.416

1953-1954

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.67	0.63	0.00	0.00	0.00	0.63	2.81	2.81	0.00	5.30	0.00
November	3.33	3.15	0.65	0.00	0.00	2.50	1.30	1.30	1.20	5.30	0.00
December	1.04	0.98	0.00	0.00	1.20	2.19	0.98	0.98	1.21	5.30	0.00
January	4.18	3.95	1.10	0.00	1.21	4.06	1.46	1.46	2.60	5.30	0.00
February	2.58	2.44	0.32	0.00	2.60	4.72	1.65	1.65	3.07	5.30	0.00
March	5.03	4.76	1.61	0.00	3.07	6.22	2.44	2.44	3.78	5.30	0.00
April	1.49	1.41	0.03	0.00	3.78	5.15	2.95	2.95	2.20	5.30	0.00
May	0.06	0.06	0.00	0.00	2.20	2.26	3.91	3.91	0.00	5.30	0.00
June	0.64	0.61	0.00	0.00	0.00	0.61	4.25	4.25	0.00	5.30	0.00
July	0.10	0.09	0.00	0.00	0.00	0.09	4.27	4.27	0.00	5.30	0.00
August	0.55	0.52	0.00	0.00	0.00	0.52	4.15	4.15	0.00	5.30	0.00
September	0.08	0.08	0.00	0.00	0.00	0.08	3.54	3.54	0.00	5.30	0.00

19.75 18.68 3.71 19.8% Total Mean Yield 0.000

1954-1955

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.23	0.22	0.00	0.00	0.00	0.22	2.81	2.81	0.00	5.30	0.00
November	1.96	1.85	0.12	0.00	0.00	1.73	1.30	1.30	0.43	5.30	0.00
December	4.53	4.28	1.30	0.00	0.43	3.41	0.98	0.98	2.43	5.30	0.00
January	5.06	4.78	1.63	0.00	2.43	5.59	1.46	1.46	4.13	5.30	0.00
February	1.37	1.30	0.02	0.00	4.13	5.40	1.65	1.65	3.75	5.30	0.00
March	0.28	0.26	0.00	0.00	3.75	4.02	2.44	2.44	1.58	5.30	0.00
April	2.60	2.46	0.33	0.00	1.58	3.71	2.95	2.95	0.76	5.30	0.00
May	0.36	0.34	0.00	0.00	0.76	1.10	3.91	3.91	0.00	5.30	0.00
June	0.07	0.07	0.00	0.00	0.00	0.07	4.25	4.25	0.00	5.30	0.00
July	0.17	0.16	0.00	0.00	0.00	0.16	4.27	4.27	0.00	5.30	0.00
August	0.12	0.11	0.00	0.00	0.00	0.11	4.15	4.15	0.00	5.30	0.00
September	0.28	0.26	0.00	0.00	0.00	0.26	3.54	3.54	0.00	5.30	0.00

17.03 16.10 3.40 21.1% Total Mean Yield 0.000

1955-1956

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.21	0.20	0.00	0.00	0.00	0.20	2.81	2.81	0.00	5.30	0.00
November	2.32	2.19	0.23	0.00	0.00	1.96	1.30	1.30	0.66	5.30	0.00
December	13.81	13.06	8.52	0.00	0.66	5.20	0.98	0.98	4.22	5.30	0.00
January	11.38	10.76	6.45	0.00	4.22	8.52	1.46	1.46	7.06	5.30	1.76
February	2.81	2.66	0.41	0.00	5.30	7.54	1.65	1.65	5.89	5.30	0.59
March	0.00	0.00	0.00	0.00	5.30	5.30	2.44	2.44	2.86	5.30	0.00
April	1.88	1.78	0.10	0.00	2.86	4.53	2.95	2.95	1.58	5.30	0.00
May	1.37	1.30	0.02	0.00	1.58	2.86	3.91	3.91	0.00	5.30	0.00
June	0.07	0.07	0.00	0.00	0.00	0.07	4.25	4.25	0.00	5.30	0.00
July	0.25	0.24	0.00	0.00	0.00	0.24	4.27	4.27	0.00	5.30	0.00
August	0.45	0.43	0.00	0.00	0.00	0.43	4.15	4.15	0.00	5.30	0.00
September	0.45	0.43	0.00	0.00	0.00	0.43	3.54	3.54	0.00	5.30	0.00

35.00 33.10 15.74 47.6% Total Mean Yield 2.359

Percolation for Lowere Moss Beach

1956-1957 Precipitation

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.75	1.65	0.08	0.00	0.00	1.58	2.81	2.81	0.00	5.30	0.00
November	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	0.57	0.54	0.00	0.00	0.00	0.54	0.98	0.98	0.00	5.30	0.00
January	3.31	3.13	0.64	0.00	0.00	2.49	1.46	1.46	1.03	5.30	0.00
February	4.42	4.18	1.24	0.00	1.03	3.98	1.65	1.65	2.33	5.30	0.00
March	5.98	5.65	2.24	0.00	2.33	5.74	2.44	2.44	3.30	5.30	0.00
April	1.65	1.56	0.06	0.00	3.30	4.80	2.95	2.95	1.85	5.30	0.00
May	4.10	3.88	1.05	0.00	1.85	4.68	3.91	3.91	0.77	5.30	0.00
June	0.08	0.08	0.00	0.00	0.77	0.84	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.08	0.08	0.00	0.00	0.00	0.08	4.15	4.15	0.00	5.30	0.00
September	1.08	1.02	0.00	0.00	0.00	1.02	3.54	3.54	0.00	5.30	0.00

23.02 21.77 5.30 24.3% **Total Mean Yield** 0.000

1957-1958

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.17	3.00	0.57	0.00	0.00	2.43	2.81	2.81	0.00	5.30	0.00
November	1.78	1.68	0.08	0.00	0.00	1.60	1.30	1.30	0.30	5.30	0.00
December	3.88	3.67	0.93	0.00	0.30	3.04	0.98	0.98	2.06	5.30	0.00
January	6.23	5.89	2.42	0.00	2.06	5.53	1.46	1.46	4.07	5.30	0.00
February	10.79	10.20	5.96	0.00	4.07	8.31	1.65	1.65	6.66	5.30	1.36
March	9.38	8.87	4.81	0.00	5.30	9.36	2.44	2.44	6.92	5.30	1.62
April	5.83	5.51	2.14	0.00	5.30	8.67	2.95	2.95	5.72	5.30	0.42
May	0.68	0.64	0.00	0.00	5.30	5.94	3.91	3.91	2.03	5.30	0.00
June	0.71	0.67	0.00	0.00	2.03	2.70	4.25	4.25	0.00	5.30	0.00
July	0.38	0.36	0.00	0.00	0.00	0.36	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.18	0.17	0.00	0.00	0.00	0.17	3.54	3.54	0.00	5.30	0.00

43.01 40.67 16.92 41.6% **Total Mean Yield** 3.403

1958-1959

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.27	0.26	0.00	0.00	0.00	0.26	2.81	2.81	0.00	5.30	0.00
November	0.50	0.47	0.00	0.00	0.00	0.47	1.30	1.30	0.00	5.30	0.00
December	1.89	1.79	0.11	0.00	0.00	1.68	0.98	0.98	0.70	5.30	0.00
January	5.07	4.79	1.64	0.00	0.70	3.86	1.46	1.46	2.40	5.30	0.00
February	5.64	5.33	2.01	0.00	2.40	5.72	1.65	1.65	4.07	5.30	0.00
March	0.64	0.61	0.00	0.00	4.07	4.67	2.44	2.44	2.23	5.30	0.00
April	0.42	0.40	0.00	0.00	2.23	2.63	2.95	2.95	0.00	5.30	0.00
May	0.36	0.34	0.00	0.00	0.00	0.34	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.21	0.20	0.00	0.00	0.00	0.20	4.15	4.15	0.00	5.30	0.00
September	3.66	3.46	0.81	0.00	0.00	2.65	3.54	3.54	0.00	5.30	0.00

18.66 17.64 4.57 25.9% **Total yield** 0.000

1959-1960

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.40	0.38	0.00	0.00	0.00	0.38	2.81	2.81	0.00	5.30	0.00
November	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	1.97	1.86	0.13	0.00	0.00	1.74	0.98	0.98	0.76	5.30	0.00
January	5.29	5.00	1.78	0.00	0.76	3.98	1.46	1.46	2.52	5.30	0.00
February	4.66	4.41	1.38	0.00	2.52	5.54	1.65	1.65	3.89	5.30	0.00
March	1.90	1.80	0.11	0.00	3.89	5.58	2.44	2.44	3.14	5.30	0.00
April	1.27	1.20	0.01	0.00	3.14	4.34	2.95	2.95	1.39	5.30	0.00
May	0.71	0.67	0.00	0.00	1.39	2.06	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00

16.20 15.32 3.40 22.2% **Total yield** 0.000

1960-1961

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.88	0.83	0.00	0.00	0.00	0.83	2.81	2.81	0.00	5.30	0.00
November	5.12	4.84	1.67	0.00	0.00	3.17	1.30	1.30	1.87	5.30	0.00
December	1.70	1.61	0.07	0.00	1.87	3.41	0.98	0.98	2.43	5.30	0.00
January	2.98	2.82	0.48	0.00	2.43	4.77	1.46	1.46	3.31	5.30	0.00
February	1.89	1.79	0.11	0.00	3.31	4.99	1.65	1.65	3.34	5.30	0.00
March	3.25	3.07	0.61	0.00	3.34	5.80	2.44	2.44	3.36	5.30	0.00
April	1.06	1.00	0.00	0.00	3.36	4.37	2.95	2.95	1.42	5.30	0.00
May	1.73	1.64	0.07	0.00	1.42	2.98	3.91	3.91	0.00	5.30	0.00
June	0.22	0.21	0.00	0.00	0.00	0.21	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.10	0.09	0.00	0.00	0.00	0.09	4.15	4.15	0.00	5.30	0.00
September	0.57	0.54	0.00	0.00	0.00	0.54	3.54	3.54	0.00	5.30	0.00

19.50 18.44 3.01 16.3% **Total yield** 0.000

Percolation for Lowere Moss Beach

1961-1962

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.12	0.11	0.00	0.00	0.00	0.11	2.81	2.81	0.00	5.30	0.00
November	3.66	3.46	0.81	0.00	0.00	2.65	1.30	1.30	1.35	5.30	0.00
December	3.18	3.01	0.57	0.00	1.35	3.78	0.98	0.98	2.80	5.30	0.00
January	2.09	1.98	0.16	0.00	2.80	4.62	1.46	1.46	3.16	5.30	0.00
February	8.64	8.17	4.22	0.00	3.16	7.10	1.65	1.65	5.45	5.30	0.15
March	3.52	3.33	0.74	0.00	5.30	7.89	2.44	2.44	5.45	5.30	0.15
April	0.82	0.78	0.00	0.00	5.30	6.08	2.95	2.95	3.13	5.30	0.00
May	0.24	0.23	0.00	0.00	3.13	3.35	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.29	0.27	0.00	0.00	0.00	0.27	4.15	4.15	0.00	5.30	0.00
September	0.51	0.48	0.00	0.00	0.00	0.48	3.54	3.54	0.00	5.30	0.00

23.07 21.81 6.51 29.8% **Total Mean Yield** 0.303

1962-1963

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	10.97	10.37	6.11	0.00	0.00	4.26	2.81	2.81	1.45	5.30	0.00
November	0.60	0.57	0.00	0.00	1.45	2.02	1.30	1.30	0.72	5.30	0.00
December	3.57	3.38	0.77	0.00	0.72	3.33	0.98	0.98	2.35	5.30	0.00
January	3.44	3.25	0.70	0.00	2.35	4.90	1.46	1.46	3.44	5.30	0.00
February	3.65	3.45	0.81	0.00	3.44	6.09	1.65	1.65	4.44	5.30	0.00
March	4.33	4.09	1.18	0.00	4.44	7.35	2.44	2.44	4.91	5.30	0.00
April	5.08	4.80	1.64	0.00	4.91	8.07	2.95	2.95	5.12	5.30	0.00
May	0.64	0.61	0.00	0.00	5.12	5.72	3.91	3.91	1.81	5.30	0.00
June	0.00	0.00	0.00	0.00	1.81	1.81	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.03	0.03	0.00	0.00	0.00	0.03	4.15	4.15	0.00	5.30	0.00
September	0.09	0.09	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00

32.40 30.64 11.21 36.6% **Total Mean Yield** 0.000

1963-1964

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.48	2.35	0.29	0.00	0.00	2.06	2.81	2.81	0.00	5.30	0.00
November	4.00	3.78	0.99	0.00	0.00	2.79	1.30	1.30	1.49	5.30	0.00
December	1.04	0.98	0.00	0.00	1.49	2.47	0.98	0.98	1.49	5.30	0.00
January	5.32	5.03	1.80	0.00	1.49	4.72	1.46	1.46	3.26	5.30	0.00
February	0.52	0.49	0.00	0.00	3.26	3.75	1.65	1.65	2.10	5.30	0.00
March	2.46	2.33	0.28	0.00	2.10	4.15	2.44	2.44	1.71	5.30	0.00
April	0.23	0.22	0.00	0.00	1.71	1.93	2.95	2.95	0.00	5.30	0.00
May	0.47	0.44	0.00	0.00	0.00	0.44	3.91	3.91	0.00	5.30	0.00
June	0.58	0.55	0.00	0.00	0.00	0.55	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00

17.10 16.17 3.36 20.8% **Total Mean Yield** 0.000

1964-1965

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.89	1.79	0.11	0.00	0.00	1.68	2.81	2.81	0.00	5.30	0.00
November	3.11	2.94	0.54	0.00	0.00	2.40	1.30	1.30	1.10	5.30	0.00
December	7.50	7.09	3.35	0.00	1.10	4.84	0.98	0.98	3.86	5.30	0.00
January	4.41	4.17	1.23	0.00	3.86	6.80	1.46	1.46	5.34	5.30	0.04
February	1.40	1.32	0.02	0.00	5.30	6.60	1.65	1.65	4.95	5.30	0.00
March	1.58	1.49	0.04	0.00	4.95	6.40	2.44	2.44	3.96	5.30	0.00
April	5.22	4.94	1.73	0.00	3.96	7.17	2.95	2.95	4.22	5.30	0.00
May	0.00	0.00	0.00	0.00	4.22	4.22	3.91	3.91	0.31	5.30	0.00
June	0.06	0.06	0.00	0.00	0.31	0.36	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.23	0.22	0.00	0.00	0.00	0.22	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00

25.40 24.02 7.02 29.2% **Total Mean Yield** 0.044

1965-1966

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November	5.58	5.28	1.97	0.00	0.00	3.31	1.30	1.30	2.01	5.30	0.00
December	4.96	4.69	1.57	0.00	2.01	5.13	0.98	0.98	4.15	5.30	0.00
January	3.77	3.56	0.87	0.00	4.15	6.84	1.46	1.46	5.38	5.30	0.08
February	3.51	3.32	0.73	0.00	5.30	7.88	1.65	1.65	6.23	5.30	0.93
March	0.68	0.64	0.00	0.00	5.30	5.94	2.44	2.44	3.50	5.30	0.00
April	0.71	0.67	0.00	0.00	3.50	4.17	2.95	2.95	1.22	5.30	0.00
May	0.20	0.19	0.00	0.00	1.22	1.41	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.12	0.11	0.00	0.00	0.00	0.11	4.27	4.27	0.00	5.30	0.00
August	0.27	0.26	0.00	0.00	0.00	0.26	4.15	4.15	0.00	5.30	0.00
September	0.25	0.24	0.00	0.00	0.00	0.24	3.54	3.54	0.00	5.30	0.00

20.05 18.96 5.14 27.1% **Total Mean Yield** 1.018

Percolation for Lowere Moss Beach

1966-1967

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November	5.18	4.90	1.71	0.00	0.00	3.19	1.30	1.30	1.89	5.30	0.00
December	3.62	3.42	0.79	0.00	1.89	4.52	0.98	0.98	3.54	5.30	0.00
January	10.44	9.87	5.67	0.00	3.54	7.74	1.46	1.46	6.28	5.30	0.98
February	0.25	0.24	0.00	0.00	5.30	5.54	1.65	1.65	3.89	5.30	0.00
March	6.18	5.84	2.38	0.00	3.89	7.35	2.44	2.44	4.91	5.30	0.00
April	7.43	7.03	3.29	0.00	4.91	8.64	2.95	2.95	5.69	5.30	0.39
May	0.25	0.24	0.00	0.00	5.30	5.54	3.91	3.91	1.63	5.30	0.00
June	1.44	1.36	0.02	0.00	1.63	2.96	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00

34.79 32.90 13.87 42.2% **Total Mean Yield** 1.370

1967-1968

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.76	0.72	0.00	0.00	0.00	0.72	2.81	2.81	0.00	5.30	0.00
November	2.13	2.01	0.17	0.00	0.00	1.84	1.30	1.30	0.54	5.30	0.00
December	2.89	2.73	0.45	0.00	0.54	2.83	0.98	0.98	1.85	5.30	0.00
January	6.19	5.85	2.39	0.00	1.85	5.31	1.46	1.46	3.85	5.30	0.00
February	2.62	2.48	0.34	0.00	3.85	5.99	1.65	1.65	4.34	5.30	0.00
March	5.78	5.47	2.11	0.00	4.34	7.70	2.44	2.44	5.26	5.30	0.00
April	0.61	0.58	0.00	0.00	5.26	5.84	2.95	2.95	2.89	5.30	0.00
May	0.24	0.23	0.00	0.00	2.89	3.12	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.28	0.26	0.00	0.00	0.00	0.26	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00

21.50 20.33 5.45 26.8% **Total Mean Yield** 0.000

1968-1969

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.65	0.61	0.00	0.00	0.00	0.61	2.81	2.81	0.00	5.30	0.00
November	2.69	2.54	0.36	0.00	0.00	2.18	1.30	1.30	0.88	5.30	0.00
December	5.90	5.58	2.19	0.00	0.88	4.27	0.98	0.98	3.29	5.30	0.00
January	8.06	7.62	3.77	0.00	3.29	7.14	1.46	1.46	5.68	5.30	0.38
February	8.68	8.21	4.26	0.00	5.30	9.25	1.65	1.65	7.60	5.30	2.30
March	2.07	1.96	0.15	0.00	5.30	7.10	2.44	2.44	4.66	5.30	0.00
April	2.76	2.61	0.39	0.00	4.66	6.88	2.95	2.95	3.93	5.30	0.00
May	0.06	0.06	0.00	0.00	3.93	3.99	3.91	3.91	0.08	5.30	0.00
June	0.40	0.38	0.00	0.00	0.08	0.46	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.21	0.20	0.00	0.00	0.00	0.20	3.54	3.54	0.00	5.30	0.00

31.48 29.77 11.13 37.4% **Total Mean Yield** 2.681

1969-1970

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.73	1.64	0.07	0.00	0.00	1.56	2.81	2.81	0.00	5.30	0.00
November	0.76	0.72	0.00	0.00	0.00	0.72	1.30	1.30	0.00	5.30	0.00
December	4.55	4.30	1.31	0.00	0.00	2.99	0.98	0.98	2.01	5.30	0.00
January	8.49	8.03	4.11	0.00	2.01	5.93	1.46	1.46	4.47	5.30	0.00
February	2.31	2.18	0.23	0.00	4.47	6.43	1.65	1.65	4.78	5.30	0.00
March	2.04	1.93	0.15	0.00	4.78	6.56	2.44	2.44	4.12	5.30	0.00
April	0.32	0.30	0.00	0.00	4.12	4.42	2.95	2.95	1.47	5.30	0.00
May	0.27	0.26	0.00	0.00	1.47	1.73	3.91	3.91	0.00	5.30	0.00
June	0.21	0.20	0.00	0.00	0.00	0.20	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00

20.68 19.56 5.86 30.0% **Total Mean Yield** 0.000

1970-1971

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.90	0.85	0.00	0.00	0.00	0.85	2.81	2.81	0.00	5.30	0.00
November	8.41	7.95	4.04	0.00	0.00	3.91	1.30	1.30	2.61	5.30	0.00
December	7.67	7.25	3.47	0.00	2.61	6.39	0.98	0.98	5.41	5.30	0.11
January	1.61	1.52	0.05	0.00	5.30	6.77	1.46	1.46	5.31	5.30	0.01
February	0.76	0.72	0.00	0.00	5.30	6.02	1.65	1.65	4.37	5.30	0.00
March	3.49	3.30	0.72	0.00	4.37	6.94	2.44	2.44	4.50	5.30	0.00
April	1.51	1.43	0.03	0.00	4.50	5.90	2.95	2.95	2.95	5.30	0.00
May	0.53	0.50	0.00	0.00	2.95	3.45	3.91	3.91	0.00	5.30	0.00
June	0.08	0.08	0.00	0.00	0.00	0.08	4.25	4.25	0.00	5.30	0.00
July	0.28	0.26	0.00	0.00	0.00	0.26	4.27	4.27	0.00	5.30	0.00
August	0.36	0.34	0.00	0.00	0.00	0.34	4.15	4.15	0.00	5.30	0.00
September	0.40	0.38	0.00	0.00	0.00	0.38	3.54	3.54	0.00	5.30	0.00

26.00 24.59 8.33 33.9% **Total Mean Yield** 0.120

Percolation for Lowere Moss Beach

1971-1972

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.23	0.22	0.00	0.00	0.00	0.22	2.81	2.81	0.00	5.30	0.00
November	2.29	2.17	0.22	0.00	0.00	1.95	1.30	1.30	0.65	5.30	0.00
December	5.10	4.82	1.66	0.00	0.65	3.81	0.98	0.98	2.83	5.30	0.00
January	1.27	1.20	0.01	0.00	2.83	4.02	1.46	1.46	2.56	5.30	0.00
February	1.33	1.26	0.01	0.00	2.56	3.81	1.65	1.65	2.16	5.30	0.00
March	0.19	0.18	0.00	0.00	2.16	2.34	2.44	2.44	0.00	5.30	0.00
April	1.25	1.18	0.01	0.00	0.00	1.18	2.95	2.95	0.00	5.30	0.00
May	0.11	0.10	0.00	0.00	0.00	0.10	3.91	3.91	0.00	5.30	0.00
June	0.28	0.26	0.00	0.00	0.00	0.26	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.98	0.93	0.00	0.00	0.00	0.93	3.54	3.54	0.00	5.30	0.00
	13.03	12.32	1.90	15.4%						Total Mean Yield	0.000

1972-1973

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	6.90	6.52	2.90	0.00	0.00	3.62	2.81	2.81	0.81	5.30	0.00
November	6.49	6.14	2.60	0.00	0.81	4.35	1.30	1.30	3.05	5.30	0.00
December	3.17	3.00	0.57	0.00	3.05	5.48	0.98	0.98	4.50	5.30	0.00
January	8.78	8.30	4.33	0.00	4.50	8.46	1.46	1.46	7.00	5.30	1.70
February	7.33	6.93	3.22	0.00	5.30	9.01	1.65	1.65	7.36	5.30	2.06
March		0.00	0.00	0.00	5.30	5.30	2.44	2.44	2.86	5.30	0.00
April	0.23	0.22	0.00	0.00	2.86	3.08	2.95	2.95	0.13	5.30	0.00
May	0.21	0.20	0.00	0.00	0.13	0.33	3.91	3.91	0.00	5.30	0.00
June	0.05	0.05	0.00	0.00	0.00	0.05	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.09	0.09	0.00	0.00	0.00	0.09	4.15	4.15	0.00	5.30	0.00
September	0.62	0.59	0.00	0.00	0.00	0.59	3.54	3.54	0.00	5.30	0.00
	33.87	32.03	13.63	42.5%						Total yield	3.767

1973-1974

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.04	2.87	0.51	0.00	0.00	2.36	2.81	2.81	0.00	5.30	0.00
November	9.50	8.98	4.91	0.00	0.00	4.07	1.30	1.30	2.77	5.30	0.00
December	6.32	5.98	2.48	0.00	2.77	6.27	0.98	0.98	5.29	5.30	0.00
January	4.87	4.61	1.51	0.00	5.29	8.38	1.46	1.46	6.92	5.30	1.62
February	2.16	2.04	0.18	0.00	5.30	7.16	1.65	1.65	5.51	5.30	0.21
March	7.20	6.81	3.12	0.00	5.30	8.99	2.44	2.44	6.55	5.30	1.25
April	3.22	3.04	0.59	0.00	5.30	7.75	2.95	2.95	4.80	5.30	0.00
May	0.01	0.01	0.00	0.00	4.80	4.81	3.91	3.91	0.90	5.30	0.00
June	0.50	0.47	0.00	0.00	0.90	1.37	4.25	4.25	0.00	5.30	0.00
July	1.01	0.96	0.00	0.00	0.00	0.96	4.27	4.27	0.00	5.30	0.00
August	0.13	0.12	0.00	0.00	0.00	0.12	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	37.96	35.89	13.31	37.1%						Total yield	3.083

1974-1975

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.36	1.29	0.02	0.00	0.00	1.27	2.81	2.81	0.00	5.30	0.00
November	0.64	0.61	0.00	0.00	0.00	0.61	1.30	1.30	0.00	5.30	0.00
December	3.64	3.44	0.80	0.00	0.00	2.64	0.98	0.98	1.66	5.30	0.00
January	2.95	2.79	0.47	0.00	1.66	3.98	1.46	1.46	2.52	5.30	0.00
February	4.88	4.61	1.52	0.00	2.52	5.62	1.65	1.65	3.97	5.30	0.00
March	7.11	6.72	3.05	0.00	3.97	7.64	2.44	2.44	5.20	5.30	0.00
April	2.14	2.02	0.17	0.00	5.20	7.04	2.95	2.95	4.09	5.30	0.00
May	0.10	0.09	0.00	0.00	4.09	4.19	3.91	3.91	0.28	5.30	0.00
June	0.28	0.26	0.00	0.00	0.28	0.54	4.25	4.25	0.00	5.30	0.00
July	0.52	0.49	0.00	0.00	0.00	0.49	4.27	4.27	0.00	5.30	0.00
August	0.59	0.56	0.00	0.00	0.00	0.56	4.15	4.15	0.00	5.30	0.00
September	0.02	0.02	0.00	0.00	0.00	0.02	3.54	3.54	0.00	5.30	0.00
	24.23	22.91	6.03	26.3%						Total yield	0.000

1975-1976

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	4.49	4.25	1.28	0.00	0.00	2.97	2.81	2.81	0.16	5.30	0.00
November	0.85	0.80	0.00	0.00	0.16	0.96	1.30	1.30	0.00	5.30	0.00
December	0.69	0.65	0.00	0.00	0.00	0.65	0.98	0.98	0.00	5.30	0.00
January	0.52	0.49	0.00	0.00	0.00	0.49	1.46	1.46	0.00	5.30	0.00
February	2.54	2.40	0.31	0.00	0.00	2.09	1.65	1.65	0.44	5.30	0.00
March	1.13	1.07	0.00	0.00	0.44	1.51	2.44	2.44	0.00	5.30	0.00
April	2.04	1.93	0.15	0.00	0.00	1.78	2.95	2.95	0.00	5.30	0.00
May	0.13	0.12	0.00	0.00	0.00	0.12	3.91	3.91	0.00	5.30	0.00
June	0.04	0.04	0.00	0.00	0.00	0.04	4.25	4.25	0.00	5.30	0.00
July	0.14	0.13	0.00	0.00	0.00	0.13	4.27	4.27	0.00	5.30	0.00
August	1.56	1.48	0.04	0.00	0.00	1.43	4.15	4.15	0.00	5.30	0.00
September	0.59	0.56	0.00	0.00	0.00	0.56	3.54	3.54	0.00	5.30	0.00
	14.72	13.92	1.77	12.7%						Total yield	0.000

Percolation for Lowere Moss Beach

1976-1977

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.30	0.28	0.00	0.00	0.00	0.28	2.81	2.81	0.00	5.30	0.00
November	1.73	1.64	0.07	0.00	0.00	1.56	1.30	1.30	0.26	5.30	0.00
December	2.41	2.28	0.26	0.00	0.26	2.28	0.98	0.98	1.30	5.30	0.00
January	2.26	2.14	0.21	0.00	1.30	3.23	1.46	1.46	1.77	5.30	0.00
February	1.31	1.24	0.01	0.00	1.77	3.00	1.65	1.65	1.35	5.30	0.00
March	3.15	2.98	0.56	0.00	1.35	3.76	2.44	2.44	1.32	5.30	0.00
April	0.20	0.19	0.00	0.00	1.32	1.51	2.95	2.95	0.00	5.30	0.00
May	1.23	1.16	0.01	0.00	0.00	1.16	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.16	0.15	0.00	0.00	0.00	0.15	4.27	4.27	0.00	5.30	0.00
August	0.27	0.26	0.00	0.00	0.00	0.26	4.15	4.15	0.00	5.30	0.00
September	1.59	1.50	0.05	0.00	0.00	1.46	3.54	3.54	0.00	5.30	0.00
	14.61	13.82	1.17	8.4%						Total yield	0.000

1977-1978

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.47	0.44	0.00	0.00	0.00	0.44	2.81	2.81	0.00	5.30	0.00
November	3.37	3.19	0.67	0.00	0.00	2.52	1.30	1.30	1.22	5.30	0.00
December	5.60	5.30	1.98	0.00	1.22	4.53	0.98	0.98	3.55	5.30	0.00
January	9.01	8.52	4.52	0.00	3.55	7.55	1.46	1.46	6.09	5.30	0.79
February	5.82	5.31	2.00	0.00	5.30	8.62	1.65	1.65	6.97	5.30	1.67
March	5.58	5.28	1.97	0.00	5.30	8.61	2.44	2.44	6.17	5.30	0.87
April	4.50	4.26	1.28	0.00	5.30	8.27	2.95	2.95	5.32	5.30	0.02
May	0.00	0.00	0.00	0.00	5.30	5.30	3.91	3.91	1.39	5.30	0.00
June	0.00	0.00	0.00	0.00	1.39	1.39	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	34.15	32.29	12.42	38.5%						Total yield	3.348

1978-1979

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.05	0.05	0.00	0.00	0.00	0.05	2.81	2.81	0.00	5.30	0.00
November	3.04	2.87	0.51	0.00	0.00	2.36	1.30	1.30	1.06	5.30	0.00
December	0.83	0.78	0.00	0.00	1.06	1.85	0.98	0.98	0.87	5.30	0.00
January	8.11	7.67	3.81	0.00	0.87	4.73	1.46	1.46	3.27	5.30	0.00
February	6.27	5.93	2.45	0.00	3.27	6.75	1.65	1.65	5.10	5.30	0.00
March	4.83	4.57	1.49	0.00	5.10	8.18	2.44	2.44	5.74	5.30	0.44
April	0.89	0.84	0.00	0.00	5.30	6.14	2.95	2.95	3.19	5.30	0.00
May	0.85	0.80	0.00	0.00	3.19	4.00	3.91	3.91	0.09	5.30	0.00
June	0.00	0.00	0.00	0.00	0.09	0.09	4.25	4.25	0.00	5.30	0.00
July	0.29	0.27	0.00	0.00	0.00	0.27	4.27	4.27	0.00	5.30	0.00
August	0.13	0.12	0.00	0.00	0.00	0.12	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	25.29	23.91	8.25	34.5%						Total yield	0.440

1979-1980

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.23	3.05	0.60	0.00	0.00	2.46	2.81	2.81	0.00	5.30	0.00
November	3.97	3.75	0.98	0.00	0.00	2.78	1.30	1.30	1.48	5.30	0.00
December	5.76	5.45	2.09	0.00	1.48	4.83	0.98	0.98	3.85	5.30	0.00
January	5.40	5.11	1.85	0.00	3.85	7.10	1.46	1.46	5.64	5.30	0.34
February	7.49	7.08	3.34	0.00	5.30	9.04	1.65	1.65	7.39	5.30	2.09
March	1.90	1.80	0.11	0.00	5.30	6.99	2.44	2.44	4.55	5.30	0.00
April	1.88	1.78	0.10	0.00	4.55	6.22	2.95	2.95	3.27	5.30	0.00
May	0.32	0.30	0.00	0.00	3.27	3.57	3.91	3.91	0.00	5.30	0.00
June	0.03	0.03	0.00	0.00	0.00	0.03	4.25	4.25	0.00	5.30	0.00
July	0.07	0.07	0.00	0.00	0.00	0.07	4.27	4.27	0.00	5.30	0.00
August	0.05	0.05	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
September	0.18	0.17	0.00	0.00	0.00	0.17	3.54	3.54	0.00	5.30	0.00
	30.28	28.63	9.07	31.7%						Total yield	2.438

1980-1981

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.18	0.17	0.00	0.00	0.00	0.17	2.81	2.81	0.00	5.30	0.00
November	0.65	0.61	0.00	0.00	0.00	0.61	1.30	1.30	0.00	5.30	0.00
December	2.44	2.31	0.27	0.00	0.00	2.04	0.98	0.98	1.06	5.30	0.00
January	7.48	7.07	3.33	0.00	1.06	4.80	1.46	1.46	3.34	5.30	0.00
February	2.42	2.29	0.28	0.00	3.34	5.36	1.65	1.65	3.71	5.30	0.00
March	4.71	4.45	1.41	0.00	3.71	6.76	2.44	2.44	4.32	5.30	0.00
April	0.24	0.23	0.00	0.00	4.32	4.54	2.95	2.95	1.59	5.30	0.00
May	0.33	0.31	0.00	0.00	1.59	1.90	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.42	0.40	0.00	0.00	0.00	0.40	4.15	4.15	0.00	5.30	0.00
September	0.37	0.35	0.00	0.00	0.00	0.35	3.54	3.54	0.00	5.30	0.00
	19.24	18.19	5.28	29.0%						Total yield	0.000

Percolation for Lowere Moss Beach

1981-1982

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.98	3.76	0.98	0.00	0.00	2.78	2.81	2.81	0.00	5.30	0.00
November	7.08	6.69	3.03	0.00	0.00	3.66	1.30	1.30	2.36	5.30	0.00
December	6.00	5.67	2.26	0.00	2.36	5.78	0.98	0.98	4.80	5.30	0.00
January	12.01	11.36	6.98	0.00	4.80	9.17	1.46	1.46	7.71	5.30	2.41
February	5.11	4.83	1.66	0.00	5.30	8.47	1.65	1.65	6.82	5.30	0.00
March	7.91	7.48	3.66	0.00	5.30	9.12	2.44	2.44	6.68	5.30	1.52
April	5.02	4.75	1.61	0.00	5.30	8.44	2.95	2.95	5.49	5.30	1.38
May	0.00	0.00	0.00	0.00	5.30	5.30	3.91	3.91	1.39	5.30	0.19
June	0.42	0.40	0.00	0.00	1.39	1.79	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.15	0.14	0.00	0.00	0.00	0.14	4.15	4.15	0.00	5.30	0.00
September	1.73	1.64	0.07	0.00	0.00	1.56	3.54	3.54	0.00	5.30	0.00
	49.41	46.72	20.26	43.4%						Total yield	5.504

1982-1983

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.82	3.61	0.90	0.00	0.00	2.72	2.81	2.81	0.00	5.30	0.00
November	7.03	6.65	3.00	0.00	0.00	3.65	1.30	1.30	2.35	5.30	0.00
December	5.41	5.12	1.86	0.00	2.35	5.61	0.98	0.98	4.63	5.30	0.00
January	8.98	8.49	4.49	0.00	4.63	8.63	1.46	1.46	7.17	5.30	1.87
February	9.14	8.64	4.62	0.00	5.30	9.32	1.65	1.65	7.67	5.30	2.37
March	13.05	12.34	7.87	0.00	5.30	9.77	2.44	2.44	7.33	5.30	2.03
April	3.33	3.15	0.65	0.00	5.30	7.80	2.95	2.95	4.85	5.30	0.00
May	0.89	0.84	0.00	0.00	4.85	5.69	3.91	3.91	1.78	5.30	0.00
June	0.03	0.03	0.00	0.00	1.78	1.81	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.14	0.13	0.00	0.00	0.00	0.13	4.15	4.15	0.00	5.30	0.00
September	0.80	0.76	0.00	0.00	0.00	0.76	3.54	3.54	0.00	5.30	0.00
	52.62	49.76	23.38	47.0%						Total yield	6.271

1983-1984

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.12	1.06	0.00	0.00	0.00	1.06	2.81	2.81	0.00	5.30	0.00
November	8.07	7.63	3.78	0.00	0.00	3.85	1.30	1.30	2.55	5.30	0.00
December	9.46	8.95	4.88	0.00	2.55	6.62	0.98	0.98	5.64	5.30	0.34
January	0.26	0.25	0.00	0.00	5.30	5.55	1.46	1.46	4.09	5.30	0.00
February	2.15	2.03	0.18	0.00	4.09	5.94	1.65	1.65	4.29	5.30	0.00
March	2.12	2.00	0.17	0.00	4.29	6.13	2.44	2.44	3.69	5.30	0.00
April	1.09	1.03	0.00	0.00	3.69	4.72	2.95	2.95	1.77	5.30	0.00
May	0.20	0.19	0.00	0.00	1.77	1.96	3.91	3.91	0.00	5.30	0.00
June	0.46	0.43	0.00	0.00	0.00	0.43	4.25	4.25	0.00	5.30	0.00
July	0.06	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
August	0.33	0.31	0.00	0.00	0.00	0.31	4.15	4.15	0.00	5.30	0.00
September	0.18	0.17	0.00	0.00	0.00	0.17	3.54	3.54	0.00	5.30	0.00
	25.50	24.11	9.00	37.3%						Total yield	0.339

1984-1985

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.81	3.60	0.89	0.00	0.00	2.71	2.81	2.81	0.00	5.30	0.00
November	9.86	9.32	5.20	0.00	0.00	4.12	1.30	1.30	2.82	5.30	0.00
December	3.20	3.03	0.58	0.00	2.82	5.27	0.98	0.98	4.29	5.30	0.00
January	1.02	0.96	0.00	0.00	4.29	5.25	1.46	1.46	3.79	5.30	0.00
February	2.90	2.74	0.45	0.00	3.79	6.08	1.65	1.65	4.43	5.30	0.00
March	5.07	4.79	1.64	0.00	4.43	7.59	2.44	2.44	5.15	5.30	0.00
April	0.13	0.12	0.00	0.00	5.15	5.27	2.95	2.95	2.32	5.30	0.00
May	0.32	0.30	0.00	0.00	2.32	2.62	3.91	3.91	0.00	5.30	0.00
June	0.47	0.44	0.00	0.00	0.00	0.44	4.25	4.25	0.00	5.30	0.00
July	0.31	0.29	0.00	0.00	0.00	0.29	4.27	4.27	0.00	5.30	0.00
August	0.05	0.05	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
September	0.40	0.38	0.00	0.00	0.00	0.38	3.54	3.54	0.00	5.30	0.00
	27.54	26.04	8.76	33.6%						Total yield	0.000

1985-1986

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.51	1.43	0.03	0.00	0.00	1.39	2.81	2.81	0.00	5.30	0.00
November		0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	3.18	3.01	0.57	0.00	0.00	2.43	0.98	0.98	1.45	5.30	0.00
January	4.98	4.71	1.58	0.00	1.45	4.58	1.46	1.46	3.12	5.30	0.00
February	11.48	10.86	6.54	0.00	3.12	7.44	1.65	1.65	5.79	5.30	0.49
March	7.12	6.73	3.06	0.00	5.30	8.97	2.44	2.44	6.53	5.30	1.23
April	0.50	0.47	0.00	0.00	5.30	5.77	2.95	2.95	2.82	5.30	0.00
May	0.84	0.79	0.00	0.00	2.82	3.62	3.91	3.91	0.00	5.30	0.00
June	0.09	0.09	0.00	0.00	0.00	0.09	4.25	4.25	0.00	5.30	0.00
July	0.08	0.08	0.00	0.00	0.00	0.08	4.27	4.27	0.00	5.30	0.00
August	0.25	0.24	0.00	0.00	0.00	0.24	4.15	4.15	0.00	5.30	0.00
September	2.20	2.08	0.19	0.00	0.00	1.89	3.54	3.54	0.00	5.30	0.00
	32.23	30.48	11.98	39.3%						Total yield	1.719

Percolation for Lowere Moss Beach

1986-1987

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.42	0.40	0.00	0.00	0.00	0.40	2.81	2.81	0.00	5.30	0.00
November	0.32	0.30	0.00	0.00	0.00	0.30	1.30	1.30	0.00	5.30	0.00
December	3.10	2.93	0.54	0.00	0.00	2.39	0.98	0.98	1.41	5.30	0.00
January	5.10	4.82	1.66	0.00	1.41	4.58	1.46	1.46	3.12	5.30	0.00
February	3.87	3.66	0.92	0.00	3.12	5.86	1.65	1.65	4.21	5.30	0.00
March	4.16	3.93	1.08	0.00	4.21	7.05	2.44	2.44	4.61	5.30	0.00
April	0.95	0.90	0.00	0.00	4.61	5.51	2.95	2.95	2.56	5.30	0.00
May	0.08	0.08	0.00	0.00	2.56	2.62	3.91	3.91	0.00	5.30	0.00
June	0.08	0.08	0.00	0.00	0.00	0.08	4.25	4.25	0.00	5.30	0.00
July	0.10	0.09	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.10	0.09	0.00	0.00	0.00	0.09	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	18.16	17.17	4.20	24.5%						Total yield	0.000

1987-1988

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.13	2.01	0.17	0.00	0.00	1.84	2.81	2.81	0.00	5.30	0.00
November	2.63	2.49	0.34	0.00	0.00	2.15	1.30	1.30	0.85	5.30	0.00
December	6.03	5.70	2.28	0.00	0.85	4.27	0.98	0.98	3.29	5.30	0.00
January	4.48	4.24	1.27	0.00	3.29	6.25	1.46	1.46	4.79	5.30	0.00
February	0.58	0.55	0.00	0.00	4.79	5.34	1.65	1.65	3.69	5.30	0.00
March	0.12	0.11	0.00	0.00	3.69	3.81	2.44	2.44	1.37	5.30	0.00
April	3.04	2.87	0.51	0.00	1.37	3.73	2.95	2.95	0.78	5.30	0.00
May	0.69	0.65	0.00	0.00	0.78	1.43	3.91	3.91	0.00	5.30	0.00
June	0.29	0.27	0.00	0.00	0.00	0.27	4.25	4.25	0.00	5.30	0.00
July		0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.01	0.01	0.00	0.00	0.00	0.01	4.15	4.15	0.00	5.30	0.00
September	0.02	0.02	0.00	0.00	0.00	0.02	3.54	3.54	0.00	5.30	0.00
	20.02	18.93	4.57	24.2%						Total yield	0.000

1988-1989

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.94	0.89	0.00	0.00	0.00	0.89	2.81	2.81	0.00	5.30	0.00
November	3.55	3.36	0.76	0.00	0.00	2.60	1.30	1.30	1.30	5.30	0.00
December	5.17	4.89	1.70	0.00	1.30	4.49	0.98	0.98	3.51	5.30	0.00
January	2.01	1.90	0.14	0.00	3.51	5.27	1.46	1.46	3.81	5.30	0.00
February	1.30	1.23	0.01	0.00	3.81	5.03	1.65	1.65	3.38	5.30	0.00
March	7.95	7.52	3.69	0.00	3.38	7.21	2.44	2.44	4.77	5.30	0.00
April	1.83	1.73	0.09	0.00	4.77	6.41	2.95	2.95	3.46	5.30	0.00
May	0.31	0.29	0.00	0.00	3.46	3.75	3.91	3.91	0.00	5.30	0.00
June	0.10	0.09	0.00	0.00	0.00	0.09	4.25	4.25	0.00	5.30	0.00
July	0.13	0.12	0.00	0.00	0.00	0.12	4.27	4.27	0.00	5.30	0.00
August	0.27	0.26	0.00	0.00	0.00	0.26	4.15	4.15	0.00	5.30	0.00
September	0.95	0.90	0.00	0.00	0.00	0.90	3.54	3.54	0.00	5.30	0.00
	24.51	23.18	6.39	27.5%						Total yield	0.000

1989-1990

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.05	1.94	0.15	0.00	0.00	1.79	2.81	2.81	0.00	5.30	0.00
November	1.95	1.84	0.12	0.00	0.00	1.72	1.30	1.30	0.42	5.30	0.00
December	0.03	0.03	0.00	0.00	0.42	0.45	0.98	0.98	0.00	5.30	0.00
January	4.29	4.06	1.16	0.00	0.00	2.90	1.46	1.46	1.44	5.30	0.00
February	2.52	2.38	0.30	0.00	1.44	3.52	1.65	1.65	1.87	5.30	0.00
March	1.33	1.26	0.01	0.00	1.87	3.12	2.44	2.44	0.68	5.30	0.00
April	0.29	0.27	0.00	0.00	0.68	0.95	2.95	2.95	0.00	5.30	0.00
May	2.82	2.67	0.42	0.00	0.00	2.25	3.91	3.91	0.00	5.30	0.00
June	0.46	0.43	0.00	0.00	0.00	0.43	4.25	4.25	0.00	5.30	0.00
July	0.24	0.23	0.00	0.00	0.00	0.23	4.27	4.27	0.00	5.30	0.00
August	0.14	0.13	0.00	0.00	0.00	0.13	4.15	4.15	0.00	5.30	0.00
September	0.33	0.31	0.00	0.00	0.00	0.31	3.54	3.54	0.00	5.30	0.00
	16.45	15.56	2.16	13.9%						Total yield	0.000

1990-1991

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.55	0.52	0.00	0.00	0.00	0.52	2.81	2.81	0.00	5.30	0.00
November	0.74	0.70	0.00	0.00	0.00	0.70	1.30	1.30	0.00	5.30	0.00
December	2.58	2.44	0.32	0.00	0.00	2.12	0.98	0.98	1.14	5.30	0.00
January	0.56	0.53	0.00	0.00	1.14	1.67	1.46	1.46	0.21	5.30	0.00
February	4.19	3.96	1.10	0.00	0.21	3.07	1.65	1.65	1.42	5.30	0.00
March	8.81	8.33	4.36	0.00	1.42	5.39	2.44	2.44	2.95	5.30	0.00
April	0.90	0.85	0.00	0.00	2.95	3.80	2.95	2.95	0.85	5.30	0.00
May	0.67	0.63	0.00	0.00	0.85	1.48	3.91	3.91	0.00	5.30	0.00
June	0.32	0.30	0.00	0.00	0.00	0.30	4.25	4.25	0.00	5.30	0.00
July	0.27	0.26	0.00	0.00	0.00	0.26	4.27	4.27	0.00	5.30	0.00
August	0.92	0.87	0.00	0.00	0.00	0.87	4.15	4.15	0.00	5.30	0.00
September	0.25	0.24	0.00	0.00	0.00	0.24	3.54	3.54	0.00	5.30	0.00
	20.76	19.63	5.78	29.5%						Total yield	0.000

Percolation for Lowere Moss Beach

1991-1992

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.63	2.49	0.34	0.00	0.00	2.15	2.81	2.81	0.00	5.30	0.00
November	1.01	0.96	0.00	0.00	0.00	0.96	1.30	1.30	0.00	5.30	0.00
December	3.60	3.40	0.78	0.00	0.00	2.62	0.98	0.98	1.64	5.30	0.00
January	3.18	3.01	0.57	0.00	1.64	4.08	1.46	1.46	2.62	5.30	0.00
February	8.70	8.23	4.27	0.00	2.62	6.57	1.65	1.65	4.92	5.30	0.00
March	3.45	3.26	0.70	0.00	4.92	7.48	2.44	2.44	5.04	5.30	0.00
April	0.40	0.38	0.00	0.00	5.04	5.42	2.95	2.95	2.47	5.30	0.00
May	0.06	0.06	0.00	0.00	2.47	2.52	3.91	3.91	0.00	5.30	0.00
June	0.84	0.79	0.00	0.00	0.00	0.79	4.25	4.25	0.00	5.30	0.00
July	0.02	0.02	0.00	0.00	0.00	0.02	4.27	4.27	0.00	5.30	0.00
August	0.18	0.17	0.00	0.00	0.00	0.17	4.15	4.15	0.00	5.30	0.00
September	0.12	0.11	0.00	0.00	0.00	0.11	3.54	3.54	0.00	5.30	0.00
	24.19	22.87	6.67	29.2%						Total yield	0.000

1992-1993

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.88	2.72	0.44	0.00	0.00	2.28	2.81	2.81	0.00	5.30	0.00
November	0.67	0.63	0.00	0.00	0.00	0.63	1.30	1.30	0.00	5.30	0.00
December	8.10	7.66	3.80	0.00	0.00	3.86	0.98	0.98	2.88	5.30	0.00
January	9.21	8.71	4.68	0.00	2.88	6.91	1.46	1.46	5.45	5.30	0.15
February	5.59	5.29	1.98	0.00	5.30	8.61	1.65	1.65	6.96	5.30	1.66
March	2.79	2.64	0.40	0.00	5.30	7.53	2.44	2.44	5.09	5.30	0.00
April	1.68	1.59	0.06	0.00	5.09	6.62	2.95	2.95	3.67	5.30	0.00
May	1.38	1.30	0.02	0.00	3.67	4.96	3.91	3.91	1.05	5.30	0.00
June	0.48	0.45	0.00	0.00	1.05	1.50	4.25	4.25	0.00	5.30	0.00
July	0.06	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
August	0.17	0.16	0.00	0.00	0.00	0.16	4.15	4.15	0.00	5.30	0.00
September	0.21	0.20	0.00	0.00	0.00	0.20	3.54	3.54	0.00	5.30	0.00
	33.22	31.41	11.38	36.2%						Total yield	1.806

1993-1994

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.62	0.59	0.00	0.00	0.00	0.59	2.81	2.81	0.00	5.30	0.00
November	1.55	1.47	0.04	0.00	0.00	1.43	1.30	1.30	0.13	5.30	0.00
December	2.77	2.62	0.40	0.00	0.13	2.35	0.98	0.98	1.37	5.30	0.00
January	2.63	2.49	0.34	0.00	1.37	3.52	1.46	1.46	2.06	5.30	0.00
February	5.61	5.30	1.99	0.00	2.06	5.37	1.65	1.65	3.72	5.30	0.00
March	0.77	0.73	0.00	0.00	3.72	4.45	2.44	2.44	2.01	5.30	0.00
April	1.85	1.75	0.10	0.00	2.01	3.66	2.95	2.95	0.71	5.30	0.00
May	1.64	1.55	0.05	0.00	0.71	2.20	3.91	3.91	0.00	5.30	0.00
June	0.11	0.10	0.00	0.00	0.00	0.10	4.25	4.25	0.00	5.30	0.00
July	0.13	0.12	0.00	0.00	0.00	0.12	4.27	4.27	0.00	5.30	0.00
August	0.17	0.16	0.00	0.00	0.00	0.16	4.15	4.15	0.00	5.30	0.00
September	0.09	0.09	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00
	17.94	16.96	2.92	17.2%						Total yield	0.000

1994-1995

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.08	0.08	0.00	0.00	0.00	0.08	2.81	2.81	0.00	5.30	0.00
November	5.34	5.05	1.81	0.00	0.00	3.24	1.30	1.30	1.94	5.30	0.00
December	3.93	3.72	0.96	0.00	1.94	4.70	0.98	0.98	3.72	5.30	0.00
January	11.38	10.76	6.45	0.00	3.72	8.02	1.46	1.46	6.56	5.30	1.26
February	0.26	0.25	0.00	0.00	5.30	5.55	1.65	1.65	3.90	5.30	0.00
March	8.71	8.24	4.28	0.00	3.90	7.85	2.44	2.44	5.41	5.30	0.11
April	2.35	2.22	0.24	0.00	5.30	7.28	2.95	2.95	4.33	5.30	0.00
May	1.54	1.46	0.04	0.00	4.33	5.75	3.91	3.91	1.84	5.30	0.00
June	0.78	0.74	0.00	0.00	1.84	2.58	4.25	4.25	0.00	5.30	0.00
July	0.05	0.05	0.00	0.00	0.00	0.05	4.27	4.27	0.00	5.30	0.00
August	0.05	0.05	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
September	0.15	0.14	0.00	0.00	0.00	0.14	3.54	3.54	0.00	5.30	0.00
	34.62	32.74	13.78	42.1%						Total yield	1.377

1995-1996

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.07	0.07	0.00	0.00	0.00	0.07	2.81	2.81	0.00	5.30	0.00
November	0.30	0.28	0.00	0.00	0.00	0.28	1.30	1.30	0.00	5.30	0.00
December	8.25	7.80	3.92	0.00	0.00	3.88	0.98	0.98	2.90	5.30	0.00
January	8.27	7.82	3.94	0.00	2.90	6.79	1.46	1.46	5.33	5.30	0.03
February	7.05	6.67	3.01	0.00	5.30	8.96	1.65	1.65	7.31	5.30	2.01
March	3.34	3.16	0.65	0.00	5.30	7.81	2.44	2.44	5.37	5.30	0.07
April	1.98	1.87	0.13	0.00	5.30	7.04	2.95	2.95	4.09	5.30	0.00
May	2.16	2.04	0.18	0.00	4.09	5.96	3.91	3.91	2.05	5.30	0.00
June	0.13	0.12	0.00	0.00	2.05	2.17	4.25	4.25	0.00	5.30	0.00
July	0.06	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
August	0.07	0.07	0.00	0.00	0.00	0.07	4.15	4.15	0.00	5.30	0.00
September	0.20	0.19	0.00	0.00	0.00	0.19	3.54	3.54	0.00	5.30	0.00
	31.88	30.15	11.83	39.2%						Total yield	2.100

Percolation for Lowere Moss Beach

1996-1997

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.47	1.39	0.03	0.00	0.00	1.36	2.81	2.81	0.00	5.30	0.00
November	2.71	2.56	0.37	0.00	0.00	2.19	1.30	1.30	0.89	5.30	0.00
December	8.83	8.35	4.37	0.00	0.89	4.87	0.98	0.98	3.89	5.30	0.00
January	9.86	9.32	5.20	0.00	3.89	8.01	1.46	1.46	6.55	5.30	1.25
February	0.29	0.27	0.00	0.00	5.30	5.57	1.65	1.65	3.92	5.30	0.00
March	0.59	0.56	0.00	0.00	3.92	4.48	2.44	2.44	2.04	5.30	0.00
April	0.96	0.91	0.00	0.00	2.04	2.95	2.95	2.95	0.00	5.30	0.00
May	0.44	0.42	0.00	0.00	0.00	0.42	3.91	3.91	0.00	5.30	0.00
June	0.57	0.54	0.00	0.00	0.00	0.54	4.25	4.25	0.00	5.30	0.00
July	0.13	0.12	0.00	0.00	0.00	0.12	4.27	4.27	0.00	5.30	0.00
August	0.77	0.73	0.00	0.00	0.00	0.73	4.15	4.15	0.00	5.30	0.00
September	0.08	0.08	0.00	0.00	0.00	0.08	3.54	3.54	0.00	5.30	0.00
	26.70	25.25	9.97	39.5%						Total yield	1.250

1997-1998

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.77	0.73	0.00	0.00	0.00	0.73	2.81	2.81	0.00	5.30	0.00
November	7.84	7.41	3.60	0.00	0.00	3.81	1.30	1.30	2.51	5.30	0.00
December	3.65	3.45	0.81	0.00	2.51	5.15	0.98	0.98	4.17	5.30	0.00
January	12.13	11.47	7.09	0.00	4.17	8.56	1.46	1.46	7.10	5.30	1.80
February	15.70	14.85	10.17	0.00	5.30	9.97	1.65	1.65	8.32	5.30	3.02
March	2.58	2.44	0.32	0.00	5.30	7.42	2.44	2.44	4.98	5.30	0.00
April	2.73	2.58	0.38	0.00	4.98	7.18	2.95	2.95	4.23	5.30	0.00
May	4.01	3.79	1.00	0.00	4.23	7.02	3.91	3.91	3.11	5.30	0.00
June	0.30	0.28	0.00	0.00	3.11	3.39	4.25	4.25	0.00	5.30	0.00
July	0.18	0.17	0.00	0.00	0.00	0.17	4.27	4.27	0.00	5.30	0.00
August	0.06	0.06	0.00	0.00	0.00	0.06	4.15	4.15	0.00	5.30	0.00
September	0.25	0.24	0.00	0.00	0.00	0.24	3.54	3.54	0.00	5.30	0.00
	50.20	47.47	23.37	49.2%						Total yield	4.822

1998-1999

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.97	0.92	0.00	0.00	0.00	0.92	2.81	2.81	0.00	5.30	0.00
November	3.75	3.55	0.86	0.00	0.00	2.69	1.30	1.30	1.39	5.30	0.00
December	2.09	1.98	0.16	0.00	1.39	3.20	0.98	0.98	2.22	5.30	0.00
January	6.4	6.05	2.54	0.00	2.22	5.74	1.46	1.46	4.28	5.30	0.00
February	14	13.24	8.69	0.00	4.28	8.83	1.65	1.65	7.18	5.30	1.88
March	4.7	4.44	1.40	0.00	5.30	8.34	2.44	2.44	5.90	5.30	0.60
April	2.73	2.58	0.38	0.00	5.30	7.50	2.95	2.95	4.55	5.30	0.00
May	0.12	0.11	0.00	0.00	4.55	4.66	3.91	3.91	0.75	5.30	0.00
June	0.46	0.43	0.00	0.00	0.75	1.19	4.25	4.25	0.00	5.30	0.00
July	0.05	0.05	0.00	0.00	0.00	0.05	4.27	4.27	0.00	5.30	0.00
August	0.34	0.32	0.00	0.00	0.00	0.32	4.15	4.15	0.00	5.30	0.00
September	0.21	0.20	0.00	0.00	0.00	0.20	3.54	3.54	0.00	5.30	0.00
	35.82	33.87	14.03	41.4%						Total yield	2.476

1999-2000

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.82	0.78	0.00	0.00	0.00	0.78	2.81	2.81	0.00	5.30	0.00
November	2.94	2.78	0.47	0.00	0.00	2.31	1.30	1.30	1.01	5.30	0.00
December	0.93	0.88	0.00	0.00	1.01	1.89	0.98	0.98	0.91	5.30	0.00
January	7.53	7.12	3.37	0.00	0.91	4.66	1.46	1.46	3.20	5.30	0.00
February	11.27	10.66	6.36	0.00	3.20	7.50	1.65	1.65	5.85	5.30	0.55
March	2.45	2.32	0.27	0.00	5.30	7.34	2.44	2.44	4.90	5.30	0.00
April	3.1	2.93	0.54	0.00	4.90	7.30	2.95	2.95	4.35	5.30	0.00
May	1.72	1.63	0.07	0.00	4.35	5.90	3.91	3.91	1.99	5.30	0.00
June	0.18	0.17	0.00	0.00	1.99	2.16	4.25	4.25	0.00	5.30	0.00
July	0.26	0.25	0.00	0.00	0.00	0.25	4.27	4.27	0.00	5.30	0.00
August	0.19	0.18	0.00	0.00	0.00	0.18	4.15	4.15	0.00	5.30	0.00
September	0.41	0.39	0.00	0.00	0.00	0.39	3.54	3.54	0.00	5.30	0.00
	31.80	30.07	11.08	36.8%						Total yield	0.548

2000-2001

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.74	3.54	0.85	0.00	0.00	2.68	2.81	2.81	0.00	5.30	0.00
November	1.3	1.23	0.01	0.00	0.00	1.22	1.30	1.30	0.00	5.30	0.00
December	0.69	0.65	0.00	0.00	0.00	0.65	0.98	0.98	0.00	5.30	0.00
January	5.75	5.44	2.09	0.00	0.00	3.35	1.46	1.46	1.89	5.30	0.00
February	6.44	6.09	2.57	0.00	1.89	5.41	1.65	1.65	3.76	5.30	0.00
March	1.67	1.58	0.06	0.00	3.76	5.28	2.44	2.44	2.84	5.30	0.00
April	2.19	2.07	0.19	0.00	2.84	4.72	2.95	2.95	1.77	5.30	0.00
May	0.02	0.02	0.00	0.00	1.77	1.79	3.91	3.91	0.00	5.30	0.00
June	0.12	0.11	0.00	0.00	0.00	0.11	4.25	4.25	0.00	5.30	0.00
July	0.28	0.26	0.00	0.00	0.00	0.26	4.27	4.27	0.00	5.30	0.00
August	0.39	0.37	0.00	0.00	0.00	0.37	4.15	4.15	0.00	5.30	0.00
September	0.26	0.25	0.00	0.00	0.00	0.25	3.54	3.54	0.00	5.30	0.00
	22.85	21.61	5.77	26.7%						Total yield	0.000

Percolation for Lowere Moss Beach

2001-2002

Adjusted San Gregorio data

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.47	0.44	0.00	0.00	0.00	0.44	2.81	2.81	0.00	5.30	0.00
November	6.69	6.33	2.75	0.00	0.00	3.58	1.30	1.30	2.28	5.30	0.00
December	9.26	8.76	4.72	0.00	2.28	6.32	0.98	0.98	5.34	5.30	0.04
January	2.55	2.41	0.31	0.00	5.30	7.40	1.46	1.46	5.94	5.30	0.64
February	2.13	2.01	0.17	0.00	5.30	7.14	1.65	1.65	5.49	5.30	0.19
March	2.54	2.40	0.31	0.00	5.30	7.39	2.44	2.44	4.95	5.30	0.00
April	0.68	0.64	0.00	0.00	4.95	5.60	2.95	2.95	2.65	5.30	0.00
May	0.88	0.83	0.00	0.00	2.65	3.48	3.91	3.91	0.00	5.30	0.00
June	0.23	0.22	0.00	0.00	0.00	0.22	4.25	4.25	0.00	5.30	0.00
July	0.18	0.17	0.00	0.00	0.00	0.17	4.27	4.27	0.00	5.30	0.00
August	0.08	0.08	0.00	0.00	0.00	0.08	4.15	4.15	0.00	5.30	0.00
September	0.17	0.16	0.00	0.00	0.00	0.16	3.54	3.54	0.00	5.30	0.00
	25.86	24.45	8.25	33.7%						Total yield	0.873

2002-2003

Estimate for missing data in red based on San Gregorio data for same period

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.17	0.16	0.00	0.00	0.00	0.16	2.81	2.81	0.00	5.30	0.00
November	2.7	2.55	0.37	0.00	0.00	2.19	1.30	1.30	0.89	5.30	0.00
December	9	8.51	4.51	0.00	0.89	4.89	0.98	0.98	3.91	5.30	0.00
January	1.34	1.27	0.01	0.00	3.91	5.16	1.46	1.46	3.70	5.30	0.00
February	3.46	3.27	0.71	0.00	3.70	6.26	1.65	1.65	4.61	5.30	0.00
March	1.82	1.72	0.09	0.00	4.61	6.24	2.44	2.44	3.80	5.30	0.00
April	5.51	5.21	1.92	0.00	3.80	7.09	2.95	2.95	4.14	5.30	0.00
May	0.88	0.83	0.00	0.00	4.14	4.97	3.91	3.91	1.06	5.30	0.00
June	0.18	0.17	0.00	0.00	1.06	1.23	4.25	4.25	0.00	5.30	0.00
July	0.01	0.01	0.00	0.00	0.00	0.01	4.27	4.27	0.00	5.30	0.00
August	0.04	0.04	0.00	0.00	0.00	0.04	4.15	4.15	0.00	5.30	0.00
September	0.10	0.09	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00
	25.21	23.84	7.62	31.9%						Total yield	0.000

2003-2004

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.22	0.21	0.00	0.00	0.00	0.21	2.81	2.81	0.00	5.30	0.00
November	2.27	2.15	0.21	0.00	0.00	1.93	1.30	1.30	0.63	5.30	0.00
December	8.81	8.33	4.36	0.00	0.63	4.61	0.98	0.98	3.63	5.30	0.00
January	3.33	3.15	0.65	0.00	3.63	6.13	1.46	1.46	4.67	5.30	0.00
February	6.37	6.02	2.52	0.00	4.67	8.17	1.65	1.65	6.52	5.30	1.22
March	1.39	1.31	0.02	0.00	5.30	6.60	2.44	2.44	4.16	5.30	0.00
April	0.31	0.29	0.00	0.00	4.16	4.45	2.95	2.95	1.50	5.30	0.00
May	0.15	0.14	0.00	0.00	1.50	1.64	3.91	3.91	0.00	5.30	0.00
June	0.05	0.05	0.00	0.00	0.00	0.05	4.25	4.25	0.00	5.30	0.00
July	0.34	0.32	0.00	0.00	0.00	0.32	4.27	4.27	0.00	5.30	0.00
August	0.33	0.31	0.00	0.00	0.00	0.31	4.15	4.15	0.00	5.30	0.00
September	0.29	0.27	0.00	0.00	0.00	0.27	3.54	3.54	0.00	5.30	0.00
	23.86	22.56	7.75	34.4%						Total yield	1.224

2004-2005

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	4.6	4.35	1.34	0.00	0.00	3.01	2.81	2.81	0.20	5.30	0.00
November	1.38	1.30	0.02	0.00	0.20	1.48	1.30	1.30	0.18	5.30	0.00
December	8.66	8.19	4.24	0.00	0.18	4.13	0.98	0.98	3.15	5.30	0.00
January	6.11	5.78	2.33	0.00	3.15	6.60	1.46	1.46	5.14	5.30	0.00
February	5.28	4.99	1.77	0.00	5.14	8.36	1.65	1.65	6.71	5.30	1.41
March	5.52	5.22	1.93	0.00	5.30	8.59	2.44	2.44	6.15	5.30	0.85
April	1.69	1.60	0.06	0.00	5.30	6.83	2.95	2.95	3.88	5.30	0.00
May	2.32	2.19	0.23	0.00	3.88	5.85	3.91	3.91	1.94	5.30	0.00
June	1.31	1.24	0.01	0.00	1.94	3.17	4.25	4.25	0.00	5.30	0.00
July		0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August		0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September		0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	36.87	34.86	11.94	34.3%						Total yield	2.254

Percolation for Dean Creek Subarea

Percolation Estimates for Dean Creek
1950-2005

Averages			
Years used in aver	55		
Precipitation (Po)	27.047		
Adj. Precipitation	27.704		
Runoff	6.561	24%	
Irrigation		0%	
Evapotranspiration	33.710	122%	
Percolation	4.347	16%	

Crop Coeff.	
October	1
November	1
December	1
January	1
February	1
March	1
April	1
May	1
June	1
July	1
August	1
September	1

Soil Water Holding Capaci (mean value)	5.3
Land Use	S
Contoured Row Crops Range	
Farmsteads	
Fallow Row	
S=	8
Adj. Precip. Fac	1.0243
Irrigation effici	1

Month	Monthly Input	SCS equation				(input or calc.)		(Initial=0)		calc		calc		Available to Recharge
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1947-1948														
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation			
October		0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00			
November		0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00			
December		0.00	0.00	0.00	0.00	0.00	0.98	0.98	0.00	5.30	0.00			
January		0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.00	5.30	0.00			
February		0.00	0.00	0.00	0.00	0.00	1.65	1.65	0.00	5.30	0.00			
March		0.00	0.00	0.00	0.00	0.00	2.44	2.44	0.00	5.30	0.00			
April		0.00	0.00	0.00	0.00	0.00	2.95	2.95	0.00	5.30	0.00			
May		0.00	0.00	0.00	0.00	0.00	3.91	3.91	0.00	5.30	0.00			
June		0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00			
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00			
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00			
September	0.04	0.04	0.00	0.00	0.00	0.04	3.54	3.54	0.00	5.30	0.00			
Totals	0.04	0.04	0.00	0.0%						Total Mean Yield	0.000			

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.55	0.56	0.00	0.00	0.00	0.56	2.81	2.81	0.00	5.30	0.00
November	0.66	0.68	0.00	0.00	0.00	0.68	1.30	1.30	0.00	5.30	0.00
December	4.99	5.11	1.07	0.00	0.00	4.04	0.98	0.98	3.06	5.30	0.00
January	1.73	1.77	0.00	0.00	3.06	4.83	1.46	1.46	3.37	5.30	0.00
February	3.91	4.01	0.56	0.00	3.37	6.82	1.65	1.65	5.17	5.30	0.00
March	4.96	5.08	1.06	0.00	5.17	9.19	2.44	2.44	6.75	5.30	1.45
April	0.00	0.00	0.00	0.00	5.30	5.30	2.95	2.95	2.35	5.30	0.00
May	0.41	0.42	0.00	0.00	2.35	2.77	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.17	0.17	0.00	0.00	0.00	0.17	4.15	4.15	0.00	5.30	0.00
September		0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Totals	17.38	17.80	2.69	15.1%						Total Mean Yield	1.453

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November		0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December		0.00	0.00	0.00	0.00	0.00	0.98	0.98	0.00	5.30	0.00
January		0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.00	5.30	0.00
February	2.24	2.29	0.06	0.00	0.00	2.24	1.65	1.65	0.59	5.30	0.00
March	1.34	1.37	0.00	0.00	0.59	1.96	2.44	2.44	0.00	5.30	0.00
April	2.12	2.17	0.04	0.00	0.00	2.13	2.95	2.95	0.00	5.30	0.00
May	0.37	0.38	0.00	0.00	0.00	0.38	3.91	3.91	0.00	5.30	0.00
June	0.14	0.14	0.00	0.00	0.00	0.14	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.08	0.08	0.00	0.00	0.00	0.08	3.54	3.54	0.00	5.30	0.00
Totals	6.29	6.44	0.09	1.5%						Total Mean Yield	0.000

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.95	2.00	0.02	0.00	0.00	1.98	2.81	2.81	0.00	5.30	0.00
November	5.46	5.59	1.33	0.00	0.00	4.26	1.30	1.30	2.96	5.30	0.00
December	6.01	6.16	1.65	0.00	2.96	7.47	0.98	0.98	6.49	5.30	1.19
January	5.11	5.23	1.14	0.00	5.30	9.40	1.46	1.46	7.94	5.30	2.64
February	2.98	3.05	0.22	0.00	5.30	8.13	1.65	1.65	6.48	5.30	1.18
March	2.84	2.91	0.18	0.00	5.30	8.02	2.44	2.44	5.58	5.30	0.28
April	0.91	0.93	0.00	0.00	5.30	6.23	2.95	2.95	3.28	5.30	0.00
May	0.98	1.00	0.00	0.00	3.28	4.29	3.91	3.91	0.38	5.30	0.00
June	0.17	0.17	0.00	0.00	0.38	0.55	4.25	4.25	0.00	5.30	0.00
July	0.12	0.12	0.00	0.00	0.00	0.12	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.28	0.29	0.00	0.00	0.00	0.29	3.54	3.54	0.00	5.30	0.00
Totals	26.81	27.46	4.54	16.5%						Total Mean Yield	5.289

Percolation for Dean Creek Subarea

1951-1952

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.16	1.19	0.00	0.00	0.00	1.19	2.81	2.81	0.00	5.30	0.00
November	4.15	4.25	0.66	0.00	0.00	3.59	1.30	1.30	2.29	5.30	0.00
December	11.30	11.57	5.54	0.00	2.29	8.33	0.98	0.98	7.35	5.30	2.05
January	9.31	9.54	3.95	0.00	5.30	10.88	1.46	1.46	9.42	5.30	4.12
February	2.20	2.25	0.05	0.00	5.30	7.50	1.65	1.65	5.85	5.30	0.55
March	6.21	6.36	1.78	0.00	5.30	9.88	2.44	2.44	7.44	5.30	2.14
April	0.62	0.64	0.00	0.00	5.30	5.94	2.95	2.95	2.99	5.30	0.00
May	0.45	0.46	0.00	0.00	2.99	3.45	3.91	3.91	0.00	5.30	0.00
June	1.14	1.17	0.00	0.00	0.00	1.17	4.25	4.25	0.00	5.30	0.00
July	0.03	0.03	0.00	0.00	0.00	0.03	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.15	0.15	0.00	0.00	0.00	0.15	3.54	3.54	0.00	5.30	0.00
	36.72	37.61	11.97	31.8%						Total Mean Yield	8.873

1952-1953

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.27	0.28	0.00	0.00	0.00	0.28	2.81	2.81	0.00	5.30	0.00
November	2.66	2.72	0.14	0.00	0.00	2.59	1.30	1.30	1.29	5.30	0.00
December	11.36	11.64	5.58	0.00	1.29	7.34	0.98	0.98	6.36	5.30	1.06
January	4.55	4.66	0.85	0.00	5.30	9.11	1.46	1.46	7.65	5.30	2.35
February	0.00	0.00	0.00	0.00	5.30	5.30	1.65	1.65	3.65	5.30	0.00
March	0.00	0.00	0.00	0.00	3.65	3.65	2.44	2.44	1.21	5.30	0.00
April	3.17	3.25	0.28	0.00	1.21	4.18	2.95	2.95	1.23	5.30	0.00
May	0.60	0.61	0.00	0.00	1.23	1.84	3.91	3.91	0.00	5.30	0.00
June	0.56	0.57	0.00	0.00	0.00	0.57	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.53	0.54	0.00	0.00	0.00	0.54	4.15	4.15	0.00	5.30	0.00
September	0.12	0.12	0.00	0.00	0.00	0.12	3.54	3.54	0.00	5.30	0.00
	23.82	24.40	6.85	28.1%						Total Mean Yield	3.411

1953-1954

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.67	0.69	0.00	0.00	0.00	0.69	2.81	2.81	0.00	5.30	0.00
November	3.33	3.41	0.33	0.00	0.00	3.08	1.30	1.30	1.78	5.30	0.00
December	1.04	1.07	0.00	0.00	1.78	2.84	0.98	0.98	1.86	5.30	0.00
January	4.18	4.28	0.67	0.00	1.86	5.47	1.46	1.46	4.01	5.30	0.00
February	2.58	2.64	0.12	0.00	4.01	6.53	1.65	1.65	4.88	5.30	0.00
March	5.03	5.15	1.09	0.00	4.88	8.94	2.44	2.44	6.50	5.30	1.20
April	1.49	1.53	0.00	0.00	5.30	6.83	2.95	2.95	3.88	5.30	0.00
May	0.06	0.06	0.00	0.00	3.88	3.94	3.91	3.91	0.03	5.30	0.00
June	0.64	0.66	0.00	0.00	0.03	0.68	4.25	4.25	0.00	5.30	0.00
July	0.10	0.10	0.00	0.00	0.00	0.10	4.27	4.27	0.00	5.30	0.00
August	0.55	0.56	0.00	0.00	0.00	0.56	4.15	4.15	0.00	5.30	0.00
September	0.08	0.08	0.00	0.00	0.00	0.08	3.54	3.54	0.00	5.30	0.00
	19.75	20.23	2.22	11.0%						Total Mean Yield	1.203

1954-1955

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.23	0.24	0.00	0.00	0.00	0.24	2.81	2.81	0.00	5.30	0.00
November	1.96	2.01	0.02	0.00	0.00	1.99	1.30	1.30	0.69	5.30	0.00
December	4.53	4.64	0.84	0.00	0.69	4.49	0.98	0.98	3.51	5.30	0.00
January	5.06	5.18	1.11	0.00	3.51	7.59	1.46	1.46	6.13	5.30	0.83
February	1.37	1.40	0.00	0.00	5.30	6.70	1.65	1.65	5.05	5.30	0.00
March	0.28	0.29	0.00	0.00	5.05	5.34	2.44	2.44	2.90	5.30	0.00
April	2.60	2.66	0.12	0.00	2.90	5.44	2.95	2.95	2.49	5.30	0.00
May	0.36	0.37	0.00	0.00	2.49	2.86	3.91	3.91	0.00	5.30	0.00
June	0.07	0.07	0.00	0.00	0.00	0.07	4.25	4.25	0.00	5.30	0.00
July	0.17	0.17	0.00	0.00	0.00	0.17	4.27	4.27	0.00	5.30	0.00
August	0.12	0.12	0.00	0.00	0.00	0.12	4.15	4.15	0.00	5.30	0.00
September	0.28	0.29	0.00	0.00	0.00	0.29	3.54	3.54	0.00	5.30	0.00
	17.03	17.44	2.09	12.0%						Total Mean Yield	0.825

1955-1956

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.21	0.22	0.00	0.00	0.00	0.22	2.81	2.81	0.00	5.30	0.00
November	2.32	2.38	0.07	0.00	0.00	2.31	1.30	1.30	1.01	5.30	0.00
December	13.81	14.15	7.66	0.00	1.01	7.49	0.98	0.98	6.51	5.30	1.21
January	11.38	11.69	5.60	0.00	5.30	11.36	1.46	1.46	9.90	5.30	4.60
February	2.81	2.88	0.18	0.00	5.30	8.00	1.65	1.65	6.35	5.30	1.05
March	0.00	0.00	0.00	0.00	5.30	5.30	2.44	2.44	2.86	5.30	0.00
April	1.88	1.93	0.01	0.00	2.86	4.77	2.95	2.95	1.82	5.30	0.00
May	1.37	1.40	0.00	0.00	1.82	3.23	3.91	3.91	0.00	5.30	0.00
June	0.07	0.07	0.00	0.00	0.00	0.07	4.25	4.25	0.00	5.30	0.00
July	0.25	0.26	0.00	0.00	0.00	0.26	4.27	4.27	0.00	5.30	0.00
August	0.45	0.46	0.00	0.00	0.00	0.46	4.15	4.15	0.00	5.30	0.00
September	0.45	0.46	0.00	0.00	0.00	0.46	3.54	3.54	0.00	5.30	0.00
	35.00	35.85	13.52	37.7%						Total Mean Yield	6.860

Percolation for Dean Creek Subarea

1956-1957

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.75	1.79	0.00	0.00	0.00	1.79	2.81	2.81	0.00	5.30	0.00
November	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	0.57	0.58	0.00	0.00	0.00	0.58	0.98	0.98	0.00	5.30	0.00
January	3.31	3.39	0.33	0.00	0.00	3.06	1.46	1.46	1.60	5.30	0.00
February	4.42	4.53	0.78	0.00	1.60	5.35	1.65	1.65	3.70	5.30	0.00
March	5.98	6.13	1.63	0.00	3.70	8.19	2.44	2.44	5.75	5.30	0.45
April	1.65	1.69	0.00	0.00	5.30	6.99	2.95	2.95	4.04	5.30	0.00
May	4.10	4.20	0.64	0.00	4.04	7.60	3.91	3.91	3.69	5.30	0.00
June	0.08	0.08	0.00	0.00	3.69	3.77	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.08	0.08	0.00	0.00	0.00	0.08	4.15	4.15	0.00	5.30	0.00
September	1.08	1.11	0.00	0.00	0.00	1.11	3.54	3.54	0.00	5.30	0.00
	23.02	23.58	3.39	14.4%						Total Mean Yield	0.447

1957-1958

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.17	3.25	0.28	0.00	0.00	2.97	2.81	2.81	0.16	5.30	0.00
November	1.78	1.82	0.01	0.00	0.16	1.97	1.30	1.30	0.67	5.30	0.00
December	3.88	3.97	0.54	0.00	0.67	4.10	0.98	0.98	3.12	5.30	0.00
January	6.23	6.38	1.79	0.00	3.12	7.72	1.46	1.46	6.26	5.30	0.96
February	10.79	11.05	5.12	0.00	5.30	11.23	1.65	1.65	9.58	5.30	4.28
March	9.38	9.61	4.01	0.00	5.30	10.90	2.44	2.44	8.46	5.30	3.16
April	5.83	5.97	1.54	0.00	5.30	9.73	2.95	2.95	6.78	5.30	1.48
May	0.68	0.70	0.00	0.00	5.30	6.00	3.91	3.91	2.09	5.30	0.00
June	0.71	0.73	0.00	0.00	2.09	2.81	4.25	4.25	0.00	5.30	0.00
July	0.38	0.39	0.00	0.00	0.00	0.39	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.18	0.18	0.00	0.00	0.00	0.18	3.54	3.54	0.00	5.30	0.00
	43.01	44.06	13.29	30.2%						Total Mean Yield	9.878

1958-1959

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.27	0.28	0.00	0.00	0.00	0.28	2.81	2.81	0.00	5.30	0.00
November	0.50	0.51	0.00	0.00	0.00	0.51	1.30	1.30	0.00	5.30	0.00
December	1.89	1.94	0.01	0.00	0.00	1.92	0.98	0.98	0.94	5.30	0.00
January	5.07	5.19	1.11	0.00	0.94	5.02	1.46	1.46	3.56	5.30	0.00
February	5.64	5.78	1.43	0.00	3.56	7.91	1.65	1.65	6.26	5.30	0.96
March	0.64	0.66	0.00	0.00	5.30	5.96	2.44	2.44	3.52	5.30	0.00
April	0.42	0.43	0.00	0.00	3.52	3.95	2.95	2.95	1.00	5.30	0.00
May	0.36	0.37	0.00	0.00	1.00	1.36	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.21	0.22	0.00	0.00	0.00	0.22	4.15	4.15	0.00	5.30	0.00
September	3.66	3.75	0.46	0.00	0.00	3.29	3.54	3.54	0.00	5.30	0.00
	18.66	19.11	3.02	15.8%						Total yield	0.956

1959-1960

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.40	0.41	0.00	0.00	0.00	0.41	2.81	2.81	0.00	5.30	0.00
November	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	1.97	2.02	0.02	0.00	0.00	2.00	0.98	0.98	1.02	5.30	0.00
January	5.29	5.42	1.23	0.00	1.02	5.20	1.46	1.46	3.74	5.30	0.00
February	4.66	4.77	0.90	0.00	3.74	7.61	1.65	1.65	5.96	5.30	0.66
March	1.90	1.95	0.00	0.00	5.30	7.23	2.44	2.44	4.79	5.30	0.00
April	1.27	1.30	0.01	0.00	4.79	6.09	2.95	2.95	3.14	5.30	0.00
May	0.71	0.73	0.00	0.00	3.14	3.87	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	16.20	16.59	2.17	13.1%						Total yield	0.664

1960-1961

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.88	0.90	0.00	0.00	0.00	0.90	2.81	2.81	0.00	5.30	0.00
November	5.12	5.24	1.14	0.00	0.00	4.10	1.30	1.30	2.80	5.30	0.00
December	1.70	1.74	0.00	0.00	2.80	4.54	0.98	0.98	3.56	5.30	0.00
January	2.98	3.05	0.22	0.00	3.56	6.39	1.46	1.46	4.93	5.30	0.00
February	1.89	1.94	0.01	0.00	4.93	6.85	1.65	1.65	5.20	5.30	0.00
March	3.25	3.33	0.31	0.00	5.20	8.23	2.44	2.44	5.79	5.30	0.49
April	1.06	1.09	0.00	0.00	5.30	6.39	2.95	2.95	3.44	5.30	0.00
May	1.73	1.77	0.00	0.00	3.44	5.20	3.91	3.91	1.29	5.30	0.00
June	0.22	0.23	0.00	0.00	1.29	1.52	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.10	0.10	0.00	0.00	0.00	0.10	4.15	4.15	0.00	5.30	0.00
September	0.57	0.58	0.00	0.00	0.00	0.58	3.54	3.54	0.00	5.30	0.00
	19.50	19.97	1.69	8.5%						Total yield	0.486

Percolation for Dean Creek Subarea

1961-1962

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.12	0.12	0.00	0.00	0.00	0.12	2.81	2.81	0.00	5.30	0.00
November	3.66	3.75	0.46	0.00	0.00	3.29	1.30	1.30	1.99	5.30	0.00
December	3.18	3.26	0.28	0.00	1.99	4.97	0.98	0.98	3.99	5.30	0.00
January	2.09	2.14	0.03	0.00	3.99	6.09	1.46	1.46	4.63	5.30	0.00
February	8.64	8.85	3.45	0.00	4.63	10.04	1.65	1.65	8.39	5.30	3.09
March	3.52	3.61	0.40	0.00	5.30	8.50	2.44	2.44	6.06	5.30	0.76
April	0.82	0.84	0.00	0.00	5.30	6.14	2.95	2.95	3.19	5.30	0.00
May	0.24	0.25	0.00	0.00	3.19	3.44	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.29	0.30	0.00	0.00	0.00	0.30	4.15	4.15	0.00	5.30	0.00
September	0.51	0.52	0.00	0.00	0.00	0.52	3.54	3.54	0.00	5.30	0.00
	23.07	23.63	4.62	19.6%						Total Mean Yield	3.850

1962-1963

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	10.97	11.24	5.27	0.00	0.00	5.97	2.81	2.81	3.16	5.30	0.00
November	0.60	0.61	0.00	0.00	3.16	3.78	1.30	1.30	2.48	5.30	0.00
December	3.57	3.66	0.42	0.00	2.48	5.71	0.98	0.98	4.73	5.30	0.00
January	3.44	3.52	0.37	0.00	4.73	7.88	1.46	1.46	6.42	5.30	1.12
February	3.65	3.74	0.45	0.00	5.30	8.59	1.65	1.65	6.94	5.30	1.64
March	4.33	4.44	0.74	0.00	5.30	8.99	2.44	2.44	6.55	5.30	1.25
April	5.08	5.20	1.12	0.00	5.30	9.38	2.95	2.95	6.43	5.30	1.13
May	0.64	0.66	0.00	0.00	5.30	5.96	3.91	3.91	2.05	5.30	0.00
June	0.00	0.00	0.00	0.00	2.05	2.05	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.03	0.03	0.00	0.00	0.00	0.03	4.15	4.15	0.00	5.30	0.00
September	0.09	0.09	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00
	32.40	33.19	8.37	25.2%						Total Mean Yield	5.148

1963-1964

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.48	2.54	0.10	0.00	0.00	2.44	2.81	2.81	0.00	5.30	0.00
November	4.00	4.10	0.59	0.00	0.00	3.50	1.30	1.30	2.20	5.30	0.00
December	1.04	1.07	0.00	0.00	2.20	3.27	0.98	0.98	2.29	5.30	0.00
January	5.32	5.45	1.25	0.00	2.29	6.49	1.46	1.46	5.03	5.30	0.00
February	0.52	0.53	0.00	0.00	5.03	5.56	1.65	1.65	3.91	5.30	0.00
March	2.46	2.52	0.09	0.00	3.91	6.33	2.44	2.44	3.89	5.30	0.00
April	0.23	0.24	0.00	0.00	3.89	4.13	2.95	2.95	1.18	5.30	0.00
May	0.47	0.48	0.00	0.00	1.18	1.66	3.91	3.91	0.00	5.30	0.00
June	0.58	0.59	0.00	0.00	0.00	0.59	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	17.10	17.52	2.04	11.6%						Total Mean Yield	0.000

1964-1965

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.89	1.94	0.01	0.00	0.00	1.92	2.81	2.81	0.00	5.30	0.00
November	3.11	3.19	0.26	0.00	0.00	2.92	1.30	1.30	1.62	5.30	0.00
December	7.50	7.68	2.63	0.00	1.62	6.68	0.98	0.98	5.70	5.30	0.40
January	4.41	4.52	0.78	0.00	5.30	9.04	1.46	1.46	7.58	5.30	2.28
February	1.40	1.43	0.00	0.00	5.30	6.73	1.65	1.65	5.08	5.30	0.00
March	1.58	1.62	0.00	0.00	5.08	6.70	2.44	2.44	4.26	5.30	0.00
April	5.22	5.35	1.20	0.00	4.26	8.41	2.95	2.95	5.46	5.30	0.16
May	0.00	0.00	0.00	0.00	5.30	5.30	3.91	3.91	1.39	5.30	0.00
June	0.06	0.06	0.00	0.00	1.39	1.45	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.23	0.24	0.00	0.00	0.00	0.24	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	25.40	26.02	4.88	18.7%						Total Mean Yield	2.840

1965-1966

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November	5.58	5.72	1.40	0.00	0.00	4.32	1.30	1.30	3.02	5.30	0.00
December	4.96	5.08	1.06	0.00	3.02	7.04	0.98	0.98	6.06	5.30	0.76
January	3.77	3.86	0.50	0.00	5.30	8.66	1.46	1.46	7.20	5.30	1.90
February	3.51	3.60	0.40	0.00	5.30	8.50	1.65	1.65	6.85	5.30	1.55
March	0.68	0.70	0.00	0.00	5.30	6.00	2.44	2.44	3.56	5.30	0.00
April	0.71	0.73	0.00	0.00	3.56	4.28	2.95	2.95	1.33	5.30	0.00
May	0.20	0.20	0.00	0.00	1.33	1.54	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.12	0.12	0.00	0.00	0.00	0.12	4.27	4.27	0.00	5.30	0.00
August	0.27	0.28	0.00	0.00	0.00	0.28	4.15	4.15	0.00	5.30	0.00
September	0.25	0.26	0.00	0.00	0.00	0.26	3.54	3.54	0.00	5.30	0.00
	20.05	20.54	3.35	16.3%						Total Mean Yield	4.213

Percolation for Dean Creek Subarea

1966-1967

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November	5.18	5.31	1.17	0.00	0.00	4.13	1.30	1.30	2.83	5.30	0.00
December	3.62	3.71	0.44	0.00	2.83	6.10	0.98	0.98	5.12	5.30	0.00
January	10.44	10.69	4.84	0.00	5.12	10.98	1.46	1.46	9.52	5.30	4.22
February	0.25	0.26	0.00	0.00	5.30	5.56	1.65	1.65	3.91	5.30	0.00
March	6.18	6.33	1.76	0.00	3.91	8.48	2.44	2.44	6.04	5.30	0.74
April	7.43	7.61	2.58	0.00	5.30	10.33	2.95	2.95	7.38	5.30	2.08
May	0.25	0.26	0.00	0.00	5.30	5.56	3.91	3.91	1.65	5.30	0.00
June	1.44	1.47	0.00	0.00	1.65	3.12	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00

34.79 35.64 10.79 30.3% **Total Mean Yield** 7.038

1967-1968

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.76	0.78	0.00	0.00	0.00	0.78	2.81	2.81	0.00	5.30	0.00
November	2.13	2.18	0.04	0.00	0.00	2.14	1.30	1.30	0.84	5.30	0.00
December	2.89	2.96	0.20	0.00	0.84	3.60	0.98	0.98	2.62	5.30	0.00
January	6.19	6.34	1.76	0.00	2.62	7.20	1.46	1.46	5.74	5.30	0.44
February	2.62	2.68	0.13	0.00	5.30	7.85	1.65	1.65	6.20	5.30	0.90
March	5.78	5.92	1.52	0.00	5.30	9.71	2.44	2.44	7.27	5.30	1.97
April	0.61	0.62	0.00	0.00	5.30	5.92	2.95	2.95	2.97	5.30	0.00
May	0.24	0.25	0.00	0.00	2.97	3.22	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.28	0.29	0.00	0.00	0.00	0.29	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00

21.50 22.02 3.65 16.6% **Total Mean Yield** 3.311

1968-1969

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.65	0.67	0.00	0.00	0.00	0.67	2.81	2.81	0.00	5.30	0.00
November	2.69	2.76	0.15	0.00	0.00	2.61	1.30	1.30	1.31	5.30	0.00
December	5.90	6.04	1.59	0.00	1.31	5.77	0.98	0.98	4.79	5.30	0.00
January	8.06	8.26	3.02	0.00	4.79	10.02	1.46	1.46	8.56	5.30	3.26
February	8.68	8.89	3.48	0.00	5.30	10.71	1.65	1.65	9.06	5.30	3.76
March	2.07	2.12	0.03	0.00	5.30	7.39	2.44	2.44	4.95	5.30	0.00
April	2.76	2.83	0.16	0.00	4.95	7.61	2.95	2.95	4.66	5.30	0.00
May	0.06	0.06	0.00	0.00	4.66	4.72	3.91	3.91	0.81	5.30	0.00
June	0.40	0.41	0.00	0.00	0.81	1.22	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.21	0.22	0.00	0.00	0.00	0.22	3.54	3.54	0.00	5.30	0.00

31.48 32.24 8.43 26.1% **Total Mean Yield** 7.024

1969-1970

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.73	1.77	0.00	0.00	0.00	1.77	2.81	2.81	0.00	5.30	0.00
November	0.76	0.78	0.00	0.00	0.00	0.78	1.30	1.30	0.00	5.30	0.00
December	4.55	4.66	0.85	0.00	0.00	3.81	0.98	0.98	2.83	5.30	0.00
January	8.49	8.70	3.34	0.00	2.83	8.19	1.46	1.46	6.73	5.30	1.43
February	2.31	2.37	0.07	0.00	5.30	7.60	1.65	1.65	5.95	5.30	0.65
March	2.04	2.09	0.03	0.00	5.30	7.36	2.44	2.44	4.92	5.30	0.00
April	0.32	0.33	0.00	0.00	4.92	5.25	2.95	2.95	2.30	5.30	0.00
May	0.27	0.28	0.00	0.00	2.30	2.58	3.91	3.91	0.00	5.30	0.00
June	0.21	0.22	0.00	0.00	0.00	0.22	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00

20.68 21.18 4.28 20.2% **Total Mean Yield** 2.083

1970-1971

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.90	0.92	0.00	0.00	0.00	0.92	2.81	2.81	0.00	5.30	0.00
November	8.41	8.61	3.28	0.00	0.00	5.34	1.30	1.30	4.04	5.30	0.00
December	7.67	7.86	2.75	0.00	4.04	9.15	0.98	0.98	8.17	5.30	2.87
January	1.61	1.65	0.00	0.00	5.30	6.95	1.46	1.46	5.49	5.30	0.19
February	0.76	0.78	0.00	0.00	5.30	6.08	1.65	1.65	4.43	5.30	0.00
March	3.49	3.57	0.39	0.00	4.43	7.61	2.44	2.44	5.17	5.30	0.00
April	1.51	1.55	0.00	0.00	5.17	6.72	2.95	2.95	3.77	5.30	0.00
May	0.53	0.54	0.00	0.00	3.77	4.31	3.91	3.91	0.40	5.30	0.00
June	0.08	0.08	0.00	0.00	0.40	0.48	4.25	4.25	0.00	5.30	0.00
July	0.28	0.29	0.00	0.00	0.00	0.29	4.27	4.27	0.00	5.30	0.00
August	0.36	0.37	0.00	0.00	0.00	0.37	4.15	4.15	0.00	5.30	0.00
September	0.40	0.41	0.00	0.00	0.00	0.41	3.54	3.54	0.00	5.30	0.00

26.00 26.63 6.41 24.1% **Total Mean Yield** 3.057

Percolation for Dean Creek Subarea

1971-1972

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.23	0.24	0.00	0.00	0.00	0.24	2.81	2.81	0.00	5.30	0.00
November	2.29	2.35	0.06	0.00	0.00	2.28	1.30	1.30	0.98	5.30	0.00
December	5.10	5.22	1.13	0.00	0.98	5.08	0.98	0.98	4.10	5.30	0.00
January	1.27	1.30	0.00	0.00	4.10	5.40	1.46	1.46	3.94	5.30	0.00
February	1.33	1.36	0.00	0.00	3.94	5.30	1.65	1.65	3.65	5.30	0.00
March	0.19	0.19	0.00	0.00	3.65	3.84	2.44	2.44	1.40	5.30	0.00
April	1.25	1.28	0.00	0.00	1.40	2.68	2.95	2.95	0.00	5.30	0.00
May	0.11	0.11	0.00	0.00	0.00	0.11	3.91	3.91	0.00	5.30	0.00
June	0.28	0.29	0.00	0.00	0.00	0.29	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.98	1.00	0.00	0.00	0.00	1.00	3.54	3.54	0.00	5.30	0.00

13.03 13.35 1.19 8.9% **Total Mean Yield** 0.000

1972-1973

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	6.90	7.07	2.22	0.00	0.00	4.85	2.81	2.81	2.04	5.30	0.00
November	6.49	6.65	1.95	0.00	2.04	6.73	1.30	1.30	5.43	5.30	0.13
December	3.17	3.25	0.28	0.00	5.30	8.27	0.98	0.98	7.29	5.30	1.99
January	8.78	8.99	3.55	0.00	5.30	10.74	1.46	1.46	9.28	5.30	3.98
February	7.33	7.51	2.51	0.00	5.30	10.30	1.65	1.65	8.65	5.30	3.35
March		0.00	0.00	0.00	5.30	5.30	2.44	2.44	2.86	5.30	0.00
April	0.23	0.24	0.00	0.00	2.86	3.10	2.95	2.95	0.15	5.30	0.00
May	0.21	0.22	0.00	0.00	0.15	0.36	3.91	3.91	0.00	5.30	0.00
June	0.05	0.05	0.00	0.00	0.00	0.05	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.09	0.09	0.00	0.00	0.00	0.09	4.15	4.15	0.00	5.30	0.00
September	0.62	0.64	0.00	0.00	0.00	0.64	3.54	3.54	0.00	5.30	0.00

33.87 34.69 10.51 30.3% **Total yield** 9.449

1973-1974

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.04	3.11	0.24	0.00	0.00	2.87	2.81	2.81	0.06	5.30	0.00
November	9.50	9.73	4.10	0.00	0.06	5.70	1.30	1.30	4.40	5.30	0.00
December	6.32	6.47	1.84	0.00	4.40	9.02	0.98	0.98	8.04	5.30	2.74
January	4.87	4.99	1.01	0.00	5.30	9.28	1.46	1.46	7.82	5.30	2.52
February	2.16	2.21	0.04	0.00	5.30	7.47	1.65	1.65	5.82	5.30	0.52
March	7.20	7.37	2.42	0.00	5.30	10.25	2.44	2.44	7.81	5.30	2.51
April	3.22	3.30	0.30	0.00	5.30	8.30	2.95	2.95	5.35	5.30	0.05
May	0.01	0.01	0.00	0.00	5.30	5.31	3.91	3.91	1.40	5.30	0.00
June	0.50	0.51	0.00	0.00	1.40	1.91	4.25	4.25	0.00	5.30	0.00
July	1.01	1.03	0.00	0.00	0.00	1.03	4.27	4.27	0.00	5.30	0.00
August	0.13	0.13	0.00	0.00	0.00	0.13	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00

37.96 38.88 9.95 25.6% **Total yield** 8.348

1974-1975

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.36	1.39	0.00	0.00	0.00	3.78	2.81	2.81	0.00	5.30	0.00
November	0.64	0.66	0.00	0.00	0.00	0.66	1.30	1.30	0.00	5.30	0.00
December	3.64	3.73	0.45	0.00	0.00	3.28	0.98	0.98	2.30	5.30	0.00
January	2.95	3.02	0.21	0.00	2.30	5.11	1.46	1.46	3.65	5.30	0.00
February	4.88	5.00	1.01	0.00	3.65	7.63	1.65	1.65	5.98	5.30	0.68
March	7.11	7.28	2.36	0.00	5.30	10.22	2.44	2.44	7.78	5.30	2.48
April	2.14	2.19	0.04	0.00	5.30	7.45	2.95	2.95	4.50	5.30	0.00
May	0.10	0.10	0.00	0.00	4.50	4.60	3.91	3.91	0.69	5.30	0.00
June	0.28	0.29	0.00	0.00	0.69	0.98	4.25	4.25	0.00	5.30	0.00
July	0.52	0.53	0.00	0.00	0.00	0.53	4.27	4.27	0.00	5.30	0.00
August	0.59	0.60	0.00	0.00	0.00	0.60	4.15	4.15	0.00	5.30	0.00
September	0.02	0.02	0.00	0.00	0.00	0.02	3.54	3.54	0.00	5.30	0.00

24.23 24.82 4.08 16.4% **Total yield** 3.166

1975-1976

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	4.49	4.60	0.82	0.00	0.00	3.78	2.81	2.81	0.97	5.30	0.00
November	0.85	0.87	0.00	0.00	0.97	1.84	1.30	1.30	0.54	5.30	0.00
December	0.69	0.71	0.00	0.00	0.54	1.25	0.98	0.98	0.27	5.30	0.00
January	0.52	0.53	0.00	0.00	0.27	0.80	1.46	1.46	0.00	5.30	0.00
February	2.54	2.60	0.11	0.00	0.00	2.49	1.65	1.65	0.84	5.30	0.00
March	1.13	1.16	0.00	0.00	0.84	2.00	2.44	2.44	0.00	5.30	0.00
April	2.04	2.09	0.03	0.00	0.00	2.06	2.95	2.95	0.00	5.30	0.00
May	0.13	0.13	0.00	0.00	0.00	0.13	3.91	3.91	0.00	5.30	0.00
June	0.04	0.04	0.00	0.00	0.00	0.04	4.25	4.25	0.00	5.30	0.00
July	0.14	0.14	0.00	0.00	0.00	0.14	4.27	4.27	0.00	5.30	0.00
August	1.56	1.60	0.00	0.00	0.00	1.60	4.15	4.15	0.00	5.30	0.00
September	0.59	0.60	0.00	0.00	0.00	0.60	3.54	3.54	0.00	5.30	0.00

14.72 15.08 0.96 6.4% **Total yield** 0.000

Percolation for Dean Creek Subarea

1976-1977

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.30	0.31	0.00	0.00	0.00	0.31	2.81	2.81	0.00	5.30	0.00
November	1.73	1.77	0.00	0.00	0.00	1.77	1.30	1.30	0.47	5.30	0.00
December	2.41	2.47	0.09	0.00	0.47	2.85	0.98	0.98	1.87	5.30	0.00
January	2.26	2.31	0.06	0.00	1.87	4.13	1.46	1.46	2.67	5.30	0.00
February	1.31	1.34	0.00	0.00	2.67	4.01	1.65	1.65	2.36	5.30	0.00
March	3.15	3.23	0.27	0.00	2.36	5.31	2.44	2.44	2.87	5.30	0.00
April	0.20	0.20	0.00	0.00	2.87	3.08	2.95	2.95	0.13	5.30	0.00
May	1.23	1.26	0.00	0.00	0.13	1.39	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.16	0.16	0.00	0.00	0.00	0.16	4.27	4.27	0.00	5.30	0.00
August	0.27	0.28	0.00	0.00	0.00	0.28	4.15	4.15	0.00	5.30	0.00
September	1.59	1.63	0.00	0.00	0.00	1.63	3.54	3.54	0.00	5.30	0.00
	14.61	14.97	0.42	2.8%						Total yield	0.000

1977-1978

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.47	0.48	0.00	0.00	0.00	0.48	2.81	2.81	0.00	5.30	0.00
November	3.37	3.45	0.35	0.00	0.00	3.10	1.30	1.30	1.80	5.30	0.00
December	5.60	5.74	1.41	0.00	1.80	6.13	0.98	0.98	5.15	5.30	0.00
January	9.01	9.23	3.72	0.00	5.15	10.66	1.46	1.46	9.20	5.30	3.90
February	5.62	5.76	1.42	0.00	5.30	9.64	1.65	1.65	7.99	5.30	2.69
March	5.58	5.72	1.40	0.00	5.30	9.62	2.44	2.44	7.18	5.30	1.88
April	4.50	4.61	0.82	0.00	5.30	9.09	2.95	2.95	6.14	5.30	0.84
May	0.00	0.00	0.00	0.00	5.30	5.30	3.91	3.91	1.39	5.30	0.00
June	0.00	0.00	0.00	0.00	1.39	1.39	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	34.15	34.98	9.12	26.1%						Total yield	9.295

1978-1979

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.05	0.05	0.00	0.00	0.00	0.05	2.81	2.81	0.00	5.30	0.00
November	3.04	3.11	0.24	0.00	0.00	2.87	1.30	1.30	1.57	5.30	0.00
December	0.83	0.85	0.00	0.00	1.57	2.42	0.98	0.98	1.44	5.30	0.00
January	8.11	8.31	3.06	0.00	1.44	6.69	1.46	1.46	5.23	5.30	0.00
February	6.27	6.42	1.81	0.00	5.23	9.84	1.65	1.65	8.19	5.30	2.89
March	4.83	4.95	0.99	0.00	5.30	9.26	2.44	2.44	6.82	5.30	1.52
April	0.89	0.91	0.00	0.00	5.30	6.21	2.95	2.95	3.26	5.30	0.00
May	0.85	0.87	0.00	0.00	3.26	4.13	3.91	3.91	0.22	5.30	0.00
June	0.00	0.00	0.00	0.00	0.22	0.22	4.25	4.25	0.00	5.30	0.00
July	0.29	0.30	0.00	0.00	0.00	0.30	4.27	4.27	0.00	5.30	0.00
August	0.13	0.13	0.00	0.00	0.00	0.13	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	25.29	25.90	6.10	23.6%						Total yield	4.410

1979-1980

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.23	3.31	0.30	0.00	0.00	3.01	2.81	2.81	0.20	5.30	0.00
November	3.97	4.07	0.58	0.00	0.20	3.68	1.30	1.30	2.38	5.30	0.00
December	5.76	5.90	1.50	0.00	2.38	6.78	0.98	0.98	5.80	5.30	0.50
January	5.40	5.53	1.30	0.00	5.30	9.54	1.46	1.46	8.08	5.30	2.78
February	7.49	7.67	2.62	0.00	5.30	10.35	1.65	1.65	8.70	5.30	3.40
March	1.90	1.95	0.01	0.00	5.30	7.23	2.44	2.44	4.79	5.30	0.00
April	1.88	1.93	0.01	0.00	4.79	6.70	2.95	2.95	3.75	5.30	0.00
May	0.32	0.33	0.00	0.00	3.75	4.08	3.91	3.91	0.17	5.30	0.00
June	0.03	0.03	0.00	0.00	0.17	0.20	4.25	4.25	0.00	5.30	0.00
July	0.07	0.07	0.00	0.00	0.00	0.07	4.27	4.27	0.00	5.30	0.00
August	0.05	0.05	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
September	0.18	0.18	0.00	0.00	0.00	0.18	3.54	3.54	0.00	5.30	0.00
	30.28	31.02	6.33	20.4%						Total yield	6.678

1980-1981

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.18	0.18	0.00	0.00	0.00	0.18	2.81	2.81	0.00	5.30	0.00
November	0.65	0.67	0.00	0.00	0.00	0.67	1.30	1.30	0.00	5.30	0.00
December	2.44	2.50	0.09	0.00	0.00	2.41	0.98	0.98	1.43	5.30	0.00
January	7.48	7.66	2.61	0.00	1.43	6.48	1.46	1.46	5.02	5.30	0.00
February	2.42	2.48	0.09	0.00	5.02	7.41	1.65	1.65	5.76	5.30	0.46
March	4.71	4.82	0.93	0.00	5.30	9.20	2.44	2.44	6.76	5.30	1.46
April	0.24	0.25	0.00	0.00	5.30	5.55	2.95	2.95	2.60	5.30	0.00
May	0.33	0.34	0.00	0.00	2.60	2.93	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.42	0.43	0.00	0.00	0.00	0.43	4.15	4.15	0.00	5.30	0.00
September	0.37	0.38	0.00	0.00	0.00	0.38	3.54	3.54	0.00	5.30	0.00
	19.24	19.71	3.72	18.9%						Total yield	1.917

Percolation for Dean Creek Subarea

1981-1982

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.98	4.08	0.59	0.00	0.00	3.49	2.81	2.81	0.68	5.30	0.00
November	7.08	7.25	2.34	0.00	0.68	5.59	1.30	1.30	4.29	5.30	0.00
December	6.00	6.15	1.65	0.00	4.29	8.79	0.98	0.98	7.81	5.30	2.51
January	12.01	12.30	6.12	0.00	5.30	11.48	1.46	1.46	10.02	5.30	4.72
February	5.11	5.23	1.14	0.00	5.30	9.40	1.65	1.65	7.75	5.30	2.45
March	7.91	8.10	2.92	0.00	5.30	10.49	2.44	2.44	8.05	5.30	2.75
April	5.02	5.14	1.09	0.00	5.30	9.36	2.95	2.95	6.41	5.30	1.11
May	0.00	0.00	0.00	0.00	5.30	5.30	3.91	3.91	1.39	5.30	0.00
June	0.42	0.43	0.00	0.00	1.39	1.82	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.15	0.15	0.00	0.00	0.00	0.15	4.15	4.15	0.00	5.30	0.00
September	1.73	1.77	0.00	0.00	0.00	1.77	3.54	3.54	0.00	5.30	0.00

49.41 50.61 15.84 31.3% **Total yield** 13.531

1982-1983

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.82	3.91	0.52	0.00	0.00	3.39	2.81	2.81	0.58	5.30	0.00
November	7.03	7.20	2.31	0.00	0.58	5.48	1.30	1.30	4.18	5.30	0.00
December	5.41	5.54	1.30	0.00	4.18	8.42	0.98	0.98	7.44	5.30	2.14
January	8.98	9.20	3.70	0.00	5.30	10.80	1.46	1.46	9.34	5.30	4.04
February	9.14	9.36	3.82	0.00	5.30	10.84	1.65	1.65	9.19	5.30	3.89
March	13.05	13.37	7.00	0.00	5.30	11.66	2.44	2.44	9.22	5.30	3.92
April	3.33	3.41	0.33	0.00	5.30	8.38	2.95	2.95	5.43	5.30	0.13
May	0.89	0.91	0.00	0.00	5.30	6.21	3.91	3.91	2.30	5.30	0.00
June	0.03	0.03	0.00	0.00	2.30	2.33	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.14	0.14	0.00	0.00	0.00	0.14	4.15	4.15	0.00	5.30	0.00
September	0.80	0.82	0.00	0.00	0.00	0.82	3.54	3.54	0.00	5.30	0.00

52.62 53.90 18.99 35.2% **Total yield** 14.115

1983-1984

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.12	1.15	0.00	0.00	0.00	1.15	2.81	2.81	0.00	5.30	0.00
November	8.07	8.27	3.03	0.00	0.00	5.24	1.30	1.30	3.94	5.30	0.00
December	9.46	9.69	4.07	0.00	3.94	9.56	0.98	0.98	8.58	5.30	3.28
January	0.26	0.27	0.00	0.00	5.30	5.57	1.46	1.46	4.11	5.30	0.00
February	2.15	2.20	0.04	0.00	4.11	6.27	1.65	1.65	4.62	5.30	0.00
March	2.12	2.17	0.04	0.00	4.62	6.75	2.44	2.44	4.31	5.30	0.00
April	1.09	1.12	0.00	0.00	4.31	5.43	2.95	2.95	2.48	5.30	0.00
May	0.20	0.20	0.00	0.00	2.48	2.68	3.91	3.91	0.00	5.30	0.00
June	0.46	0.47	0.00	0.00	0.00	0.47	4.25	4.25	0.00	5.30	0.00
July	0.06	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
August	0.33	0.34	0.00	0.00	0.00	0.34	4.15	4.15	0.00	5.30	0.00
September	0.18	0.18	0.00	0.00	0.00	0.18	3.54	3.54	0.00	5.30	0.00

25.50 26.12 7.18 27.5% **Total yield** 3.279

1984-1985

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.81	3.90	0.51	0.00	0.00	3.39	2.81	2.81	0.58	5.30	0.00
November	9.86	10.10	4.38	0.00	0.58	6.30	1.30	1.30	5.00	5.30	0.00
December	3.20	3.28	0.29	0.00	5.00	7.99	0.98	0.98	7.01	5.30	1.71
January	1.02	1.04	0.00	0.00	5.30	6.34	1.46	1.46	4.88	5.30	0.00
February	2.90	2.97	0.20	0.00	4.88	7.65	1.65	1.65	6.00	5.30	0.70
March	5.07	5.19	1.11	0.00	5.30	9.38	2.44	2.44	6.94	5.30	1.64
April	0.13	0.13	0.00	0.00	5.30	5.43	2.95	2.95	2.48	5.30	0.00
May	0.32	0.33	0.00	0.00	2.48	2.81	3.91	3.91	0.00	5.30	0.00
June	0.47	0.48	0.00	0.00	0.00	0.48	4.25	4.25	0.00	5.30	0.00
July	0.31	0.32	0.00	0.00	0.00	0.32	4.27	4.27	0.00	5.30	0.00
August	0.05	0.05	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
September	0.40	0.41	0.00	0.00	0.00	0.41	3.54	3.54	0.00	5.30	0.00

27.54 28.21 6.50 23.0% **Total yield** 4.050

1985-1986

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.51	1.55	0.00	0.00	0.00	1.55	2.81	2.81	0.00	5.30	0.00
November		0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	3.18	3.26	0.28	0.00	0.00	2.97	0.98	0.98	1.99	5.30	0.00
January	4.98	5.10	1.07	0.00	1.99	6.03	1.46	1.46	4.57	5.30	0.00
February	11.48	11.76	5.68	0.00	4.57	10.64	1.65	1.65	8.99	5.30	3.69
March	7.12	7.29	2.37	0.00	5.30	10.23	2.44	2.44	7.79	5.30	2.49
April	0.50	0.51	0.00	0.00	5.30	5.81	2.95	2.95	2.86	5.30	0.00
May	0.84	0.86	0.00	0.00	2.86	3.72	3.91	3.91	0.00	5.30	0.00
June	0.09	0.09	0.00	0.00	0.00	0.09	4.25	4.25	0.00	5.30	0.00
July	0.08	0.08	0.00	0.00	0.00	0.08	4.27	4.27	0.00	5.30	0.00
August	0.25	0.26	0.00	0.00	0.00	0.26	4.15	4.15	0.00	5.30	0.00
September	2.20	2.25	0.05	0.00	0.00	2.20	3.54	3.54	0.00	5.30	0.00

32.23 33.01 9.45 28.6% **Total yield** 6.180

Percolation for Dean Creek Subarea

1986-1987

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.42	0.43	0.00	0.00	0.00	0.43	2.81	2.81	0.00	5.30	0.00
November	0.32	0.33	0.00	0.00	0.00	0.33	1.30	1.30	0.00	5.30	0.00
December	3.10	3.18	0.26	0.00	0.00	2.92	0.98	0.98	1.94	5.30	0.00
January	5.10	5.22	1.13	0.00	1.94	6.03	1.46	1.46	4.57	5.30	0.00
February	3.87	3.96	0.54	0.00	4.57	8.00	1.65	1.65	6.35	5.30	1.05
March	4.16	4.26	0.66	0.00	5.30	8.90	2.44	2.44	6.46	5.30	1.16
April	0.95	0.97	0.00	0.00	5.30	6.27	2.95	2.95	3.32	5.30	0.00
May	0.06	0.06	0.00	0.00	3.32	3.38	3.91	3.91	0.00	5.30	0.00
June	0.08	0.08	0.00	0.00	0.00	0.08	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.10	0.10	0.00	0.00	0.00	0.10	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	18.16	18.60	2.59	13.9%						Total yield	2.202

1987-1988

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.13	2.18	0.04	0.00	0.00	2.14	2.81	2.81	0.00	5.30	0.00
November	2.63	2.69	0.13	0.00	0.00	2.56	1.30	1.30	1.26	5.30	0.00
December	6.03	6.18	1.67	0.00	1.26	5.77	0.98	0.98	4.79	5.30	0.00
January	4.48	4.59	0.81	0.00	4.79	8.57	1.46	1.46	7.11	5.30	1.81
February	0.58	0.59	0.00	0.00	5.30	5.89	1.65	1.65	4.24	5.30	0.00
March	0.12	0.12	0.00	0.00	4.24	4.37	2.44	2.44	1.93	5.30	0.00
April	3.04	3.11	0.24	0.00	1.93	4.80	2.95	2.95	1.85	5.30	0.00
May	0.69	0.71	0.00	0.00	1.85	2.56	3.91	3.91	0.00	5.30	0.00
June	0.29	0.30	0.00	0.00	0.00	0.30	4.25	4.25	0.00	5.30	0.00
July		0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.01	0.01	0.00	0.00	0.00	0.01	4.15	4.15	0.00	5.30	0.00
September	0.02	0.02	0.00	0.00	0.00	0.02	3.54	3.54	0.00	5.30	0.00
	20.02	20.51	2.89	14.1%						Total yield	1.809

1988-1989

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.94	0.96	0.00	0.00	0.00	0.96	2.81	2.81	0.00	5.30	0.00
November	3.55	3.64	0.41	0.00	0.00	3.22	1.30	1.30	1.92	5.30	0.00
December	5.17	5.30	1.17	0.00	1.92	6.05	0.98	0.98	5.07	5.30	0.00
January	2.01	2.06	0.02	0.00	5.07	7.10	1.46	1.46	5.64	5.30	0.34
February	1.30	1.33	0.00	0.00	5.30	6.63	1.65	1.65	4.98	5.30	0.00
March	7.95	8.14	2.94	0.00	4.98	10.18	2.44	2.44	7.74	5.30	2.44
April	1.83	1.87	0.01	0.00	5.30	7.17	2.95	2.95	4.22	5.30	0.00
May	0.31	0.32	0.00	0.00	4.22	4.53	3.91	3.91	0.62	5.30	0.00
June	0.10	0.10	0.00	0.00	0.62	0.73	4.25	4.25	0.00	5.30	0.00
July	0.13	0.13	0.00	0.00	0.00	0.13	4.27	4.27	0.00	5.30	0.00
August	0.27	0.28	0.00	0.00	0.00	0.28	4.15	4.15	0.00	5.30	0.00
September	0.95	0.97	0.00	0.00	0.00	0.97	3.54	3.54	0.00	5.30	0.00
	24.51	25.11	4.56	18.2%						Total yield	2.786

1989-1990

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.05	2.10	0.03	0.00	0.00	2.07	2.81	2.81	0.00	5.30	0.00
November	1.95	2.00	0.02	0.00	0.00	1.98	1.30	1.30	0.68	5.30	0.00
December	0.03	0.03	0.00	0.00	0.68	0.71	0.98	0.98	0.00	5.30	0.00
January	4.29	4.39	0.72	0.00	0.00	3.67	1.46	1.46	2.21	5.30	0.00
February	2.52	2.58	0.11	0.00	2.21	4.68	1.65	1.65	3.03	5.30	0.00
March	1.33	1.36	0.00	0.00	3.03	4.40	2.44	2.44	1.96	5.30	0.00
April	0.29	0.30	0.00	0.00	1.96	2.25	2.95	2.95	0.00	5.30	0.00
May	2.82	2.89	0.18	0.00	0.00	2.71	3.91	3.91	0.00	5.30	0.00
June	0.46	0.47	0.00	0.00	0.00	0.47	4.25	4.25	0.00	5.30	0.00
July	0.24	0.25	0.00	0.00	0.00	0.25	4.27	4.27	0.00	5.30	0.00
August	0.14	0.14	0.00	0.00	0.00	0.14	4.15	4.15	0.00	5.30	0.00
September	0.33	0.34	0.00	0.00	0.00	0.34	3.54	3.54	0.00	5.30	0.00
	16.45	16.85	1.06	6.3%						Total yield	0.000

1990-1991

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.55	0.56	0.00	0.00	0.00	0.56	2.81	2.81	0.00	5.30	0.00
November	0.74	0.76	0.00	0.00	0.00	0.76	1.30	1.30	0.00	5.30	0.00
December	2.58	2.64	0.12	0.00	0.00	2.52	0.98	0.98	1.54	5.30	0.00
January	0.56	0.57	0.00	0.00	1.54	2.12	1.46	1.46	0.66	5.30	0.00
February	4.19	4.29	0.68	0.00	0.66	4.27	1.65	1.65	2.62	5.30	0.00
March	8.81	9.02	3.57	0.00	2.62	8.07	2.44	2.44	5.63	5.30	0.33
April	0.90	0.92	0.00	0.00	5.30	6.22	2.95	2.95	3.27	5.30	0.00
May	0.67	0.69	0.00	0.00	3.27	3.96	3.91	3.91	0.05	5.30	0.00
June	0.32	0.33	0.00	0.00	0.05	0.38	4.25	4.25	0.00	5.30	0.00
July	0.27	0.28	0.00	0.00	0.00	0.28	4.27	4.27	0.00	5.30	0.00
August	0.92	0.94	0.00	0.00	0.00	0.94	4.15	4.15	0.00	5.30	0.00
September	0.25	0.26	0.00	0.00	0.00	0.26	3.54	3.54	0.00	5.30	0.00
	20.76	21.26	4.37	20.6%						Total yield	0.331

Percolation for Dean Creek Subarea

1991-1992

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.63	2.69	0.13	0.00	0.00	2.56	2.81	2.81	0.00	5.30	0.00
November	1.01	1.03	0.00	0.00	0.00	1.03	1.30	1.30	0.00	5.30	0.00
December	3.60	3.69	0.43	0.00	0.00	3.26	0.98	0.98	2.28	5.30	0.00
January	3.18	3.26	0.28	0.00	2.28	5.25	1.46	1.46	3.79	5.30	0.00
February	8.70	8.91	3.49	0.00	3.79	9.21	1.65	1.65	7.56	5.30	2.26
March	3.45	3.53	0.38	0.00	5.30	8.46	2.44	2.44	6.02	5.30	0.72
April	0.40	0.41	0.00	0.00	5.30	5.71	2.95	2.95	2.76	5.30	0.00
May	0.06	0.06	0.00	0.00	2.76	2.82	3.91	3.91	0.00	5.30	0.00
June	0.84	0.86	0.00	0.00	0.00	0.86	4.25	4.25	0.00	5.30	0.00
July	0.02	0.02	0.00	0.00	0.00	0.02	4.27	4.27	0.00	5.30	0.00
August	0.18	0.18	0.00	0.00	0.00	0.18	4.15	4.15	0.00	5.30	0.00
September	0.12	0.12	0.00	0.00	0.00	0.12	3.54	3.54	0.00	5.30	0.00
	24.19	24.78	4.72	19.0%						Total yield	2.976

1992-1993

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.88	2.95	0.19	0.00	0.00	2.76	2.81	2.81	0.00	5.30	0.00
November	0.67	0.69	0.00	0.00	0.00	0.69	1.30	1.30	0.00	5.30	0.00
December	8.10	8.30	3.05	0.00	0.00	5.25	0.98	0.98	4.27	5.30	0.00
January	9.21	9.43	3.88	0.00	4.27	9.82	1.46	1.46	8.36	5.30	3.06
February	5.59	5.73	1.40	0.00	5.30	9.62	1.65	1.65	7.97	5.30	2.67
March	2.79	2.86	0.17	0.00	5.30	7.99	2.44	2.44	5.55	5.30	0.25
April	1.68	1.72	0.00	0.00	5.30	7.02	2.95	2.95	4.07	5.30	0.00
May	1.38	1.41	0.00	0.00	4.07	5.48	3.91	3.91	1.57	5.30	0.00
June	0.48	0.49	0.00	0.00	1.57	2.06	4.25	4.25	0.00	5.30	0.00
July	0.06	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
August	0.17	0.17	0.00	0.00	0.00	0.17	4.15	4.15	0.00	5.30	0.00
September	0.21	0.22	0.00	0.00	0.00	0.22	3.54	3.54	0.00	5.30	0.00
	33.22	34.03	8.70	25.6%						Total yield	5.982

1993-1994

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.62	0.64	0.00	0.00	0.00	0.64	2.81	2.81	0.00	5.30	0.00
November	1.55	1.59	0.00	0.00	0.00	1.59	1.30	1.30	0.29	5.30	0.00
December	2.77	2.84	0.17	0.00	0.29	2.96	0.98	0.98	1.98	5.30	0.00
January	2.63	2.69	0.13	0.00	1.98	4.54	1.46	1.46	3.08	5.30	0.00
February	5.61	5.75	1.42	0.00	3.08	7.41	1.65	1.65	5.76	5.30	0.46
March	0.77	0.79	0.00	0.00	5.30	6.09	2.44	2.44	3.65	5.30	0.00
April	1.85	1.89	0.01	0.00	3.65	5.53	2.95	2.95	2.58	5.30	0.00
May	1.64	1.68	0.00	0.00	2.58	4.26	3.91	3.91	0.35	5.30	0.00
June	0.11	0.11	0.00	0.00	0.35	0.46	4.25	4.25	0.00	5.30	0.00
July	0.13	0.13	0.00	0.00	0.00	0.13	4.27	4.27	0.00	5.30	0.00
August	0.17	0.17	0.00	0.00	0.00	0.17	4.15	4.15	0.00	5.30	0.00
September	0.09	0.09	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00
	17.94	18.38	1.72	9.4%						Total yield	0.462

1994-1995

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.08	0.08	0.00	0.00	0.00	0.08	2.81	2.81	0.00	5.30	0.00
November	5.34	5.47	1.26	0.00	0.00	4.21	1.30	1.30	2.91	5.30	0.00
December	3.93	4.03	0.56	0.00	2.91	6.37	0.98	0.98	5.39	5.30	0.09
January	11.38	11.66	5.60	0.00	5.30	11.36	1.46	1.46	9.90	5.30	4.60
February	0.26	0.27	0.00	0.00	5.30	5.57	1.65	1.65	3.92	5.30	0.00
March	8.71	8.92	3.50	0.00	3.92	9.34	2.44	2.44	6.90	5.30	1.60
April	2.35	2.41	0.07	0.00	5.30	7.63	2.95	2.95	4.68	5.30	0.00
May	1.54	1.58	0.00	0.00	4.68	6.26	3.91	3.91	2.35	5.30	0.00
June	0.78	0.80	0.00	0.00	2.35	3.15	4.25	4.25	0.00	5.30	0.00
July	0.05	0.05	0.00	0.00	0.00	0.05	4.27	4.27	0.00	5.30	0.00
August	0.05	0.05	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
September	0.15	0.15	0.00	0.00	0.00	0.15	3.54	3.54	0.00	5.30	0.00
	34.62	35.46	11.00	31.0%						Total yield	6.284

1995-1996

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.07	0.07	0.00	0.00	0.00	0.07	2.81	2.81	0.00	5.30	0.00
November	0.30	0.31	0.00	0.00	0.00	0.31	1.30	1.30	0.00	5.30	0.00
December	8.25	8.45	3.16	0.00	0.00	5.29	0.98	0.98	4.31	5.30	0.00
January	8.27	8.47	3.17	0.00	4.31	9.61	1.46	1.46	8.15	5.30	2.85
February	7.05	7.22	2.32	0.00	5.30	10.20	1.65	1.65	8.55	5.30	3.25
March	3.34	3.42	0.34	0.00	5.30	8.38	2.44	2.44	5.94	5.30	0.64
April	1.98	2.03	0.02	0.00	5.30	7.31	2.95	2.95	4.36	5.30	0.00
May	2.16	2.21	0.04	0.00	4.36	6.53	3.91	3.91	2.62	5.30	0.00
June	0.13	0.13	0.00	0.00	2.62	2.75	4.25	4.25	0.00	5.30	0.00
July	0.06	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
August	0.07	0.07	0.00	0.00	0.00	0.07	4.15	4.15	0.00	5.30	0.00
September	0.20	0.20	0.00	0.00	0.00	0.20	3.54	3.54	0.00	5.30	0.00
	31.88	32.65	9.06	27.7%						Total yield	6.742

Percolation for Dean Creek Subarea

1996-1997

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.47	1.51	0.00	0.00	0.00	1.51	2.81	2.81	0.00	5.30	0.00
November	2.71	2.78	0.15	0.00	0.00	2.63	1.30	1.30	1.33	5.30	0.00
December	8.83	9.04	3.59	0.00	1.33	6.78	0.98	0.98	5.80	5.30	0.50
January	9.86	10.10	4.38	0.00	5.30	11.02	1.46	1.46	9.56	5.30	4.26
February	0.29	0.30	0.00	0.00	5.30	5.60	1.65	1.65	3.95	5.30	0.00
March	0.59	0.60	0.00	0.00	3.95	4.55	2.44	2.44	2.11	5.30	0.00
April	0.44	0.45	0.00	0.00	2.11	3.09	2.95	2.95	0.14	5.30	0.00
May	0.57	0.58	0.00	0.00	0.14	0.60	3.91	3.91	0.00	5.30	0.00
June	0.13	0.13	0.00	0.00	0.00	0.58	4.25	4.25	0.00	5.30	0.00
July	0.77	0.79	0.00	0.00	0.00	0.13	4.27	4.27	0.00	5.30	0.00
August	0.08	0.08	0.00	0.00	0.00	0.08	3.54	3.54	0.00	5.30	0.00
September											
	26.70	27.35	8.12	29.7%						Total yield	4.762

1997-1998

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.77	0.79	0.00	0.00	0.00	0.79	2.81	2.81	0.00	5.30	0.00
November	7.84	8.03	2.87	0.00	0.00	5.16	1.30	1.30	3.86	5.30	0.00
December	3.65	3.74	0.45	0.00	3.86	7.15	0.98	0.98	6.17	5.30	0.87
January	12.13	12.42	6.22	0.00	5.30	11.50	1.46	1.46	10.04	5.30	4.74
February	15.70	16.08	9.33	0.00	5.30	12.05	1.65	1.65	10.40	5.30	5.10
March	2.58	2.64	0.12	0.00	5.30	7.82	2.44	2.44	5.38	5.30	0.08
April	2.73	2.80	0.16	0.00	5.30	7.94	2.95	2.95	4.99	5.30	0.00
May	4.01	4.11	0.60	0.00	4.99	8.50	3.91	3.91	4.59	5.30	0.00
June	0.30	0.31	0.00	0.00	4.59	4.90	4.25	4.25	0.65	5.30	0.00
July	0.18	0.18	0.00	0.00	0.65	0.83	4.27	4.27	0.00	5.30	0.00
August	0.06	0.06	0.00	0.00	0.00	0.06	4.15	4.15	0.00	5.30	0.00
September	0.25	0.26	0.00	0.00	0.00	0.26	3.54	3.54	0.00	5.30	0.00
	50.20	51.42	19.74	38.4%						Total yield	10.798

1998-1999

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.97	0.99	0.00	0.00	0.00	0.99	2.81	2.81	0.00	5.30	0.00
November	3.75	3.84	0.49	0.00	0.00	3.35	1.30	1.30	2.05	5.30	0.00
December	2.09	2.14	0.03	0.00	2.05	4.16	0.98	0.98	3.18	5.30	0.00
January	6.4	6.56	1.90	0.00	3.18	7.84	1.46	1.46	6.38	5.30	1.08
February	14	14.34	7.83	0.00	5.30	11.81	1.65	1.65	10.16	5.30	4.86
March	4.7	4.81	0.92	0.00	5.30	9.19	2.44	2.44	6.75	5.30	1.45
April	2.73	2.80	0.16	0.00	5.30	7.94	2.95	2.95	4.99	5.30	0.00
May	0.12	0.12	0.00	0.00	4.99	5.11	3.91	3.91	1.20	5.30	0.00
June	0.46	0.47	0.00	0.00	1.20	1.67	4.25	4.25	0.00	5.30	0.00
July	0.05	0.05	0.00	0.00	0.00	0.05	4.27	4.27	0.00	5.30	0.00
August	0.34	0.35	0.00	0.00	0.00	0.35	4.15	4.15	0.00	5.30	0.00
September	0.21	0.22	0.00	0.00	0.00	0.22	3.54	3.54	0.00	5.30	0.00
	35.82	36.69	11.32	30.9%						Total yield	7.394

1999-2000

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.82	0.84	0.00	0.00	0.00	0.84	2.81	2.81	0.00	5.30	0.00
November	2.94	3.01	0.21	0.00	0.00	2.80	1.30	1.30	1.50	5.30	0.00
December	0.93	0.95	0.00	0.00	1.50	2.45	0.98	0.98	1.47	5.30	0.00
January	7.53	7.71	2.65	0.00	1.47	6.54	1.46	1.46	5.08	5.30	0.00
February	11.27	11.54	5.51	0.00	5.08	11.11	1.65	1.65	9.46	5.30	4.16
March	2.45	2.51	0.09	0.00	5.30	7.72	2.44	2.44	5.28	5.30	0.00
April	3.1	3.18	0.26	0.00	5.28	8.19	2.95	2.95	5.24	5.30	0.00
May	1.72	1.76	0.00	0.00	5.24	7.00	3.91	3.91	3.09	5.30	0.00
June	0.18	0.18	0.00	0.00	3.09	3.28	4.25	4.25	0.00	5.30	0.00
July	0.26	0.27	0.00	0.00	0.00	0.27	4.27	4.27	0.00	5.30	0.00
August	0.19	0.19	0.00	0.00	0.00	0.19	4.15	4.15	0.00	5.30	0.00
September	0.41	0.42	0.00	0.00	0.00	0.42	3.54	3.54	0.00	5.30	0.00
	31.80	32.57	8.73	26.8%						Total yield	4.161

2000-2001

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.74	3.83	0.49	0.00	0.00	3.34	2.81	2.81	0.53	5.30	0.00
November	1.3	1.33	0.00	0.00	0.53	1.87	1.30	1.30	0.57	5.30	0.00
December	0.69	0.71	0.00	0.00	0.57	1.27	0.98	0.98	0.29	5.30	0.00
January	5.75	5.89	1.50	0.00	0.29	4.69	1.46	1.46	3.23	5.30	0.00
February	6.44	6.60	1.92	0.00	3.23	7.90	1.65	1.65	6.25	5.30	0.95
March	1.67	1.71	0.00	0.00	5.30	7.01	2.44	2.44	4.57	5.30	0.00
April	2.19	2.24	0.05	0.00	4.57	6.76	2.95	2.95	3.81	5.30	0.00
May	0.02	0.02	0.00	0.00	3.81	3.83	3.91	3.91	0.00	5.30	0.00
June	0.12	0.12	0.00	0.00	0.00	0.12	4.25	4.25	0.00	5.30	0.00
July	0.28	0.29	0.00	0.00	0.00	0.29	4.27	4.27	0.00	5.30	0.00
August	0.39	0.40	0.00	0.00	0.00	0.40	4.15	4.15	0.00	5.30	0.00
September	0.26	0.27	0.00	0.00	0.00	0.27	3.54	3.54	0.00	5.30	0.00
	22.85	23.41	3.95	16.9%						Total yield	0.951

Percolation for Dean Creek Subarea

2001-2002

Adjusted San Gregorio data

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.47	0.48	0.00	0.00	0.00	0.48	2.81	2.81	0.00	5.30	0.00
November	6.69	6.85	2.08	0.00	0.00	4.77	1.30	1.30	3.47	5.30	0.00
December	9.26	9.49	3.91	0.00	3.47	9.04	0.98	0.98	8.06	5.30	2.76
January	2.55	2.61	0.11	0.00	5.30	7.80	1.46	1.46	6.34	5.30	1.04
February	2.13	2.18	0.04	0.00	5.30	7.44	1.65	1.65	5.79	5.30	0.49
March	2.54	2.60	0.11	0.00	5.30	7.79	2.44	2.44	5.35	5.30	0.05
April	0.68	0.70	0.00	0.00	5.30	6.00	2.95	2.95	3.05	5.30	0.00
May	0.88	0.90	0.00	0.00	3.05	3.95	3.91	3.91	0.04	5.30	0.00
June	0.23	0.24	0.00	0.00	0.04	0.27	4.25	4.25	0.00	5.30	0.00
July	0.18	0.18	0.00	0.00	0.00	0.18	4.27	4.27	0.00	5.30	0.00
August	0.08	0.08	0.00	0.00	0.00	0.08	4.15	4.15	0.00	5.30	0.00
September	0.17	0.17	0.00	0.00	0.00	0.17	3.54	3.54	0.00	5.30	0.00
	25.86	26.49	6.26	23.6%						Total yield	4.343

2002-2003

Estimate for missing data in red based on San Gregorio data for same period

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.17	0.17	0.00	0.00	0.00	0.17	2.81	2.81	0.00	5.30	0.00
November	2.7	2.77	0.15	0.00	0.00	2.62	1.30	1.30	1.32	5.30	0.00
December	9	9.22	3.72	0.00	1.32	6.82	0.98	0.98	5.84	5.30	0.54
January	1.34	1.37	0.00	0.00	5.30	6.67	1.46	1.46	5.21	5.30	0.00
February	3.46	3.54	0.38	0.00	5.21	8.38	1.65	1.65	6.73	5.30	1.43
March	1.82	1.86	0.01	0.00	5.30	7.16	2.44	2.44	4.72	5.30	0.00
April	5.51	5.64	1.36	0.00	4.72	9.00	2.95	2.95	6.05	5.30	0.75
May	0.88	0.90	0.00	0.00	5.30	6.20	3.91	3.91	2.29	5.30	0.00
June	0.18	0.18	0.00	0.00	2.29	2.48	4.25	4.25	0.00	5.30	0.00
July	0.01	0.01	0.00	0.00	0.00	0.01	4.27	4.27	0.00	5.30	0.00
August	0.04	0.04	0.00	0.00	0.00	0.04	4.15	4.15	0.00	5.30	0.00
September	0.10	0.10	0.00	0.00	0.00	0.10	3.54	3.54	0.00	5.30	0.00
	25.21	25.82	5.61	21.7%						Total yield	2.718

2003-2004

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.22	0.23	0.00	0.00	0.00	0.23	2.81	2.81	0.00	5.30	0.00
November	2.27	2.33	0.06	0.00	0.00	2.26	1.30	1.30	0.96	5.30	0.00
December	8.81	9.02	3.57	0.00	0.96	6.42	0.98	0.98	5.44	5.30	0.14
January	3.33	3.41	0.33	0.00	5.30	8.38	1.46	1.46	6.92	5.30	1.62
February	6.37	6.52	1.88	0.00	5.30	9.95	1.65	1.65	8.30	5.30	3.00
March	1.39	1.42	0.00	0.00	5.30	6.72	2.44	2.44	4.28	5.30	0.00
April	0.31	0.32	0.00	0.00	4.28	4.60	2.95	2.95	1.65	5.30	0.00
May	0.15	0.15	0.00	0.00	1.65	1.80	3.91	3.91	0.00	5.30	0.00
June	0.05	0.05	0.00	0.00	0.00	0.05	4.25	4.25	0.00	5.30	0.00
July	0.34	0.35	0.00	0.00	0.00	0.35	4.27	4.27	0.00	5.30	0.00
August	0.33	0.34	0.00	0.00	0.00	0.34	4.15	4.15	0.00	5.30	0.00
September	0.29	0.30	0.00	0.00	0.00	0.30	3.54	3.54	0.00	5.30	0.00
	23.86	24.44	5.84	23.9%						Total yield	4.750

2004-2005

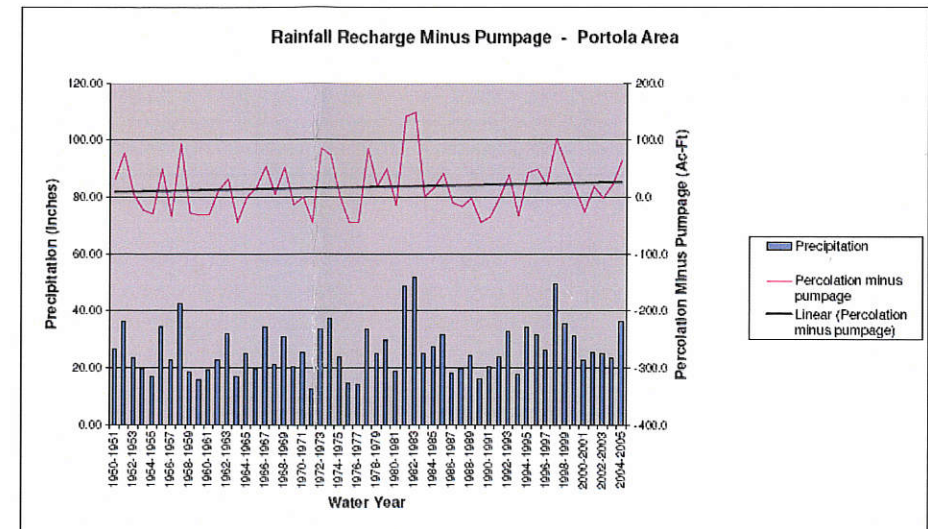
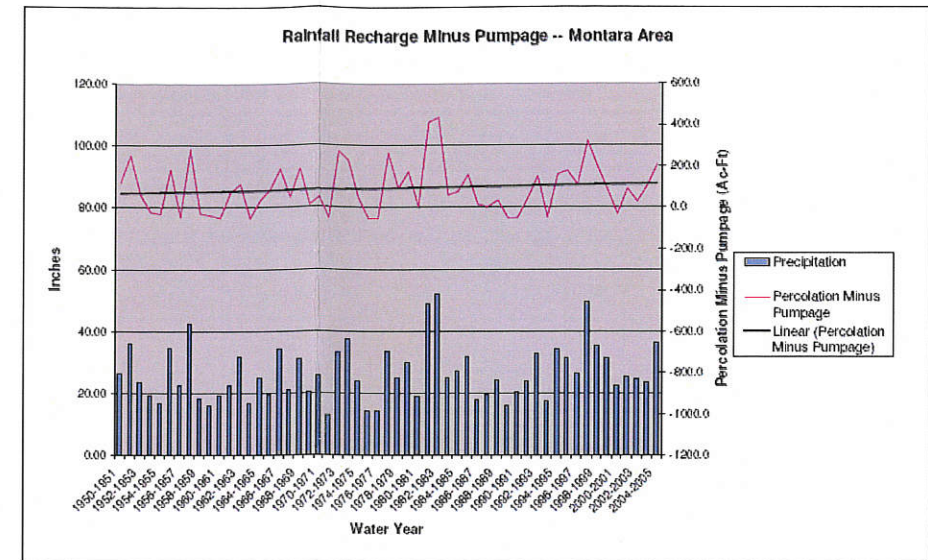
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	4.6	4.71	0.87	0.00	0.00	3.84	2.81	2.81	1.03	5.30	0.00
November	1.38	1.41	0.00	0.00	1.03	2.44	1.30	1.30	1.14	5.30	0.00
December	8.66	8.87	3.46	0.00	1.14	6.55	0.98	0.98	5.57	5.30	0.27
January	6.11	6.26	1.71	0.00	5.30	9.84	1.46	1.46	8.38	5.30	3.08
February	5.28	5.41	1.23	0.00	5.30	9.48	1.65	1.65	7.83	5.30	2.53
March	5.52	5.65	1.36	0.00	5.30	9.59	2.44	2.44	7.15	5.30	1.85
April	1.69	1.73	0.00	0.00	5.30	7.03	2.95	2.95	4.08	5.30	0.00
May	2.32	2.38	0.07	0.00	4.08	6.39	3.91	3.91	2.48	5.30	0.00
June	1.31	1.34	0.00	0.00	2.48	3.82	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	36.87	37.77	8.71	23.1%						Total yield	7.738

Montara / Portola Water Balance and Backup Data

Montara / Portola Subbasins Water Balance

Inputs		Intermediate calcs	
Montara / Montara Heights Area (acres)	433	Pumpage Ocean Montara(AF/yr)	51.53
Portola Area (acres)	155	Pumpage Clav Portola(AF/yr)	9.80
Number of domestic wells - Montara	184		
Pumping rate - Montara (gal/day)	250	Net Montara pumpage (AF/yr)	49.99
Number of domestic wells - Portola	35	Total Portola pumpage (AF/yr)	44.28
Pumping rate - Portola	250		
Montara Water District pumpage (AF)	37		
Montara Area septic tanks	11		
Portola Area septic tanks	18		

	GN	S	%RO
S - Portola		B	26%
S - Montara		B	23%



Water Year	Montara / Montara Heights			Portola			Montara			Portola		
	Adjusted Precipitation (in/yr)	Runoff (in/yr)	Percolation (in/yr)	Adjusted Precipitation (in/yr)	Runoff (in/yr)	Percolation (in/yr)	Percolation Amount AF/yr	Less dom. pumpage AF/yr	Potential Groundwater Outflow Amt. AF/yr	Percolation Amount AF/yr	Less pumpage AF/yr	Potential Groundwater Outflow Amt. AF/yr
1950-1951	26.45	4.13	4.85	28.91	5.16	5.90	175.0	125.0	125.0	76.2	31.9	31.9
1951-1952	36.23	11.15	8.44	39.60	13.17	9.47	304.6	254.6	254.6	122.3	78.0	78.0
1952-1953	23.50	6.37	3.16	25.69	7.56	3.76	113.9	63.9	63.9	45.6	4.3	4.3
1953-1954	19.49	1.99	0.82	21.30	2.56	1.74	29.6	-20.4	0.0	22.4	-21.9	0.0
1954-1955	16.80	1.88	0.57	18.36	2.40	1.17	20.7	-28.3	0.0	15.2	-29.1	0.0
1955-1956	34.53	12.89	6.54	37.74	14.73	7.30	236.0	186.0	186.0	94.3	50.0	50.0
1956-1957	22.71	3.07	0.18	24.82	3.87	0.82	6.4	-43.6	0.0	10.6	-33.7	0.0
1957-1958	42.43	12.34	9.28	46.38	14.68	10.70	334.8	284.8	284.8	138.3	94.0	94.0
1958-1959	18.41	2.74	0.70	20.12	3.42	1.30	25.4	-24.6	0.0	16.9	-27.4	0.0
1959-1960	15.98	1.97	0.41	17.47	2.47	1.01	14.9	-35.1	0.0	13.1	-31.2	0.0
1960-1961	19.24	1.51	0.10	21.03	1.96	1.02	3.6	-46.4	0.0	13.2	-31.0	0.0
1961-1962	22.76	4.25	3.43	24.88	5.18	4.43	123.9	73.9	73.9	57.2	12.9	12.9
1962-1963	31.97	7.73	4.60	34.94	9.32	5.91	165.9	115.9	115.9	76.3	32.1	32.1
1963-1964	16.87	1.83	0.00	18.44	2.35	0.03	0.0	-50.0	0.0	0.4	-43.8	0.0
1964-1965	25.06	4.47	2.41	27.39	5.49	3.50	87.0	37.0	37.0	45.2	0.9	0.9
1965-1966	19.78	3.04	3.85	21.62	3.82	4.71	139.1	89.1	89.1	60.8	16.5	16.5
1966-1967	34.32	10.00	6.57	37.52	11.94	7.67	237.2	187.2	187.2	99.1	54.9	54.9
1967-1968	21.21	3.32	2.90	23.18	4.13	3.89	104.5	54.5	54.5	50.2	5.9	5.9
1968-1969	31.06	7.76	6.97	33.95	9.36	7.51	240.6	190.6	190.6	97.0	52.8	52.8
1969-1970	20.40	3.95	1.83	22.30	4.78	2.44	65.9	15.9	15.9	31.5	-12.8	0.0
1970-1971	25.65	5.95	2.91	28.04	7.10	3.43	101.5	51.5	51.5	44.3	0.0	0.0
1971-1972	12.86	1.08	0.00	14.05	1.36	0.00	0.0	-50.0	0.0	0.0	-44.3	0.0
1972-1973	33.42	9.74	8.99	36.52	11.66	10.07	324.5	274.6	274.6	130.1	85.8	85.8
1973-1974	37.45	9.19	7.79	40.93	11.08	9.18	281.2	231.2	231.2	118.6	74.3	74.3
1974-1975	23.91	3.72	2.81	26.13	4.61	3.65	101.5	51.5	51.5	47.2	2.9	2.9
1975-1976	14.52	0.85	0.00	15.87	1.12	0.00	0.0	-50.0	0.0	0.0	-44.3	0.0
1976-1977	14.41	0.36	0.00	15.75	0.53	0.00	0.0	-50.0	0.0	0.0	-44.3	0.0
1977-1978	33.69	5.40	8.75	36.83	10.19	10.05	315.7	265.7	265.7	129.8	85.5	85.5
1978-1979	24.95	5.62	4.02	27.27	6.81	4.95	145.0	95.0	95.0	63.9	19.7	19.7
1979-1980	23.87	5.80	6.23	32.65	7.12	7.30	224.6	174.7	174.7	94.3	50.0	50.0
1980-1981	18.88	3.41	1.58	20.75	4.18	2.38	57.1	7.1	7.1	30.7	-13.5	0.0
1981-1982	48.75	14.70	12.89	53.28	17.51	14.41	465.2	415.2	415.2	186.1	141.8	141.8
1982-1983	51.92	17.70	13.49	56.74	20.88	14.97	486.5	436.8	436.8	193.3	149.1	149.1
1983-1984	25.16	6.88	3.10	27.50	7.91	3.53	111.7	61.7	61.7	45.6	1.3	1.3
1984-1985	27.17	6.00	3.58	29.70	7.24	4.70	129.1	79.1	79.1	60.8	16.5	16.5
1985-1986	31.80	8.79	5.82	34.75	10.43	6.67	210.2	160.2	160.2	86.1	41.8	41.8
1986-1987	17.92	2.33	1.85	19.58	2.98	2.69	66.7	16.7	16.7	34.8	-9.5	0.0
1987-1988	19.75	2.61	1.55	21.59	3.30	2.17	55.8	5.8	5.8	28.1	-16.2	0.0
1988-1989	24.18	4.19	2.40	26.43	5.11	3.33	86.5	36.5	36.5	43.0	-1.3	0.0
1989-1990	16.23	0.93	0.00	17.74	1.26	0.00	0.0	-50.0	0.0	0.0	-44.3	0.0
1990-1991	20.48	4.04	0.05	22.39	4.86	0.72	1.9	-48.1	0.0	9.3	-35.0	0.0
1991-1992	23.87	4.33	2.63	26.09	5.29	3.46	94.9	44.9	44.9	44.6	0.3	0.3
1992-1993	32.78	8.06	5.63	35.82	9.65	6.47	203.0	153.0	153.0	83.6	39.3	39.3
1993-1994	17.70	1.55	0.15	19.35	1.98	0.89	5.6	-44.4	0.0	11.5	-32.7	0.0
1994-1995	34.16	10.24	5.92	37.33	12.12	6.79	213.4	163.5	163.5	87.7	43.4	43.4
1995-1996	31.45	8.39	6.38	34.38	10.04	7.24	230.2	180.2	180.2	93.5	49.2	49.2
1996-1997	25.34	7.57	4.50	28.79	8.92	5.12	162.5	112.5	112.5	66.1	21.8	21.8
1997-1998	49.53	18.50	10.38	54.13	21.57	11.37	374.6	324.6	324.6	146.9	102.6	102.6
1998-1999	35.34	10.56	6.97	38.63	12.45	7.98	251.6	201.6	201.6	103.0	58.8	58.8
1999-2000	31.37	8.11	3.87	34.29	9.63	4.73	139.5	89.5	89.5	61.1	16.8	16.8
2000-2001	22.54	3.62	0.60	24.64	4.46	1.44	21.7	-28.3	0.0	18.6	-25.7	0.0
2001-2002	25.51	5.79	3.96	27.89	6.95	4.91	142.9	92.9	92.9	63.4	19.1	19.1
2002-2003	24.87	5.18	2.25	27.19	6.26	3.38	81.4	31.4	31.4	43.4	-0.9	0.0
2003-2004	23.54	5.40	4.41	25.73	6.50	5.22	159.1	109.1	109.1	67.5	23.2	23.2
2004-2005	36.38	8.02	7.22	39.76	9.73	8.45	260.6	210.6	210.6	109.1	64.8	64.8
55yr avg	26.69	6.07	4.00	29.17	7.29	4.83	144.3	94.3	104.6	62.4	18.2	28.0
AF / area	962.9	218.9	144.3	376.7	94.2	62.4						
Eta (AF)	599.7			220.1								
% percol-RO	37.7			41.6								

	Capacity (gpm)	Annual (AF)
Portola I	10	16.1
Portola IV	13	21.0
Totals	23.0	37.1

Portola II	0 (10)
Portola III	6

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Montara / Portola Subbasin Water Balances
San Mateo County Midcoast Groundwater Study, Phase II
San Mateo County, California

PLATE

V2-4

Compiled by: P. Holland	Date: 02/22/06	
Reviewed by: M. Clark	Revision date:	PROJECT NO. 26848

Percolation for Montara Subarea

Percolation Estimates for Montara Area
1950 - 2005

Averages			
Years used in aver	55		
Precipitation (Po)	27.047		
Adj. Precipitation	26.685		
Runoff	6.066	23%	
Irrigation		0%	
Evapotranspiration	33.710	126%	
Percolation	3.998	15%	

Crop Coeff.	
October	1
November	1
December	1
January	1
February	1
March	1
April	1
May	1
June	1
July	1
August	1
September	1

Soil Water Holding Capacity (mean value)	5.3
Land Use	S
Contoured Row Crops	
Range	
Farmsteads	
Fallow Row	
S=	8
Adj. Precip. Fat	0.986619
Irrigation effici	1

1947-1948	Monthly Input	SCS equation							Available to Recharge		
	in.	in.	in.	(input or calc.) in.	(Initial =0) in.	calc in.	input in.	calc in.	calc in.	in.	in.
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October		0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November		0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December		0.00	0.00	0.00	0.00	0.00	0.98	0.98	0.00	5.30	0.00
January		0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.00	5.30	0.00
February		0.00	0.00	0.00	0.00	0.00	1.65	1.65	0.00	5.30	0.00
March		0.00	0.00	0.00	0.00	0.00	2.44	2.44	0.00	5.30	0.00
April		0.00	0.00	0.00	0.00	0.00	2.95	2.95	0.00	5.30	0.00
May		0.00	0.00	0.00	0.00	0.00	3.91	3.91	0.00	5.30	0.00
June		0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.04	0.04	0.00	0.00	0.00	0.04	3.54	3.54	0.00	5.30	0.00
Totals	0.04	0.04	0.00	0.0%						Total Mean Yield	0.000

1948-1949	Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October		0.55	0.54	0.00	0.00	0.00	0.54	2.81	2.81	0.00	5.30	0.00
November		0.66	0.65	0.00	0.00	0.00	0.65	1.30	1.30	0.00	5.30	0.00
December		4.99	4.92	0.98	0.00	0.00	3.95	0.98	0.98	2.97	5.30	0.00
January		1.73	1.71	0.00	0.00	2.97	4.67	1.46	1.46	3.21	5.30	0.00
February		3.91	3.86	0.50	0.00	3.21	6.57	1.65	1.65	4.92	5.30	0.00
March		4.96	4.89	0.96	0.00	4.92	8.66	2.44	2.44	6.42	5.30	1.12
April		0.00	0.00	0.00	0.00	5.30	5.30	2.95	2.95	2.35	5.30	0.00
May		0.41	0.40	0.00	0.00	2.35	2.75	3.91	3.91	0.00	5.30	0.00
June		0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July		0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August		0.17	0.17	0.00	0.00	0.00	0.17	4.15	4.15	0.00	5.30	0.00
September			0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	17.38	17.15	2.43	14.2%							Total Mean Yield	1.117

1949-1950	Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October		0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November			0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December			0.00	0.00	0.00	0.00	0.00	0.98	0.98	0.00	5.30	0.00
January			0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.00	5.30	0.00
February		2.24	2.21	0.04	0.00	0.00	2.17	1.65	1.65	0.52	5.30	0.00
March		1.34	1.32	0.00	0.00	0.52	1.84	2.44	2.44	0.00	5.30	0.00
April		2.12	2.09	0.03	0.00	0.00	2.06	2.95	2.95	0.00	5.30	0.00
May		0.37	0.37	0.00	0.00	0.00	0.37	3.91	3.91	0.00	5.30	0.00
June		0.14	0.14	0.00	0.00	0.00	0.14	4.25	4.25	0.00	5.30	0.00
July		0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August		0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September		0.08	0.08	0.00	0.00	0.00	0.08	3.54	3.54	0.00	5.30	0.00
	6.29	6.21	0.07	1.2%							Total Mean Yield	0.000

1950-1951	Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October		1.95	1.92	0.01	0.00	0.00	1.91	2.81	2.81	0.00	5.30	0.00
November		5.46	5.39	1.22	0.00	0.00	4.17	1.30	1.30	2.87	5.30	0.00
December		6.01	5.93	1.52	0.00	2.87	7.28	0.98	0.98	6.30	5.30	1.00
January		5.11	5.04	1.04	0.00	5.30	9.31	1.46	1.46	7.85	5.30	2.55
February		2.98	2.94	0.19	0.00	5.30	8.05	1.65	1.65	6.40	5.30	1.10
March		2.84	2.80	0.16	0.00	5.30	7.94	2.44	2.44	5.50	5.30	0.20
April		0.91	0.90	0.00	0.00	5.30	6.20	2.95	2.95	3.25	5.30	0.00
May		0.98	0.97	0.00	0.00	3.25	4.21	3.91	3.91	0.30	5.30	0.00
June		0.17	0.17	0.00	0.00	0.30	0.47	4.25	4.25	0.00	5.30	0.00
July		0.12	0.12	0.00	0.00	0.00	0.12	4.27	4.27	0.00	5.30	0.00
August		0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September		0.28	0.28	0.00	0.00	0.00	0.28	3.54	3.54	0.00	5.30	0.00
	26.81	26.45	4.13	15.6%							Total Mean Yield	4.849

Percolation for Montara Subarea

1951-1952

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.16	1.14	0.00	0.00	0.00	1.14	2.81	2.81	0.00	5.30	0.00
November	4.15	4.09	0.59	0.00	0.00	3.50	1.30	1.30	2.20	5.30	0.00
December	11.30	11.15	5.20	0.00	2.20	8.15	0.98	0.98	7.17	5.30	1.87
January	9.31	9.19	3.69	0.00	5.30	10.79	1.46	1.46	9.33	5.30	4.03
February	2.20	2.17	0.04	0.00	5.30	7.43	1.65	1.65	5.78	5.30	0.48
March	6.21	6.13	1.64	0.00	5.30	9.79	2.44	2.44	7.35	5.30	2.05
April	0.62	0.61	0.00	0.00	5.30	5.91	2.95	2.95	2.96	5.30	0.00
May	0.45	0.44	0.00	0.00	2.96	3.41	3.91	3.91	0.00	5.30	0.00
June	1.14	1.12	0.00	0.00	0.00	1.12	4.25	4.25	0.00	5.30	0.00
July	0.03	0.03	0.00	0.00	0.00	0.03	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.15	0.15	0.00	0.00	0.00	0.15	3.54	3.54	0.00	5.30	0.00
	36.72	36.23	11.15	30.8%						Total Mean Yield	8.442

1952-1953

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.27	0.27	0.00	0.00	0.00	0.27	2.81	2.81	0.00	5.30	0.00
November	2.66	2.62	0.12	0.00	0.00	2.51	1.30	1.30	1.21	5.30	0.00
December	11.36	11.21	5.24	0.00	1.21	7.17	0.98	0.98	6.19	5.30	0.89
January	4.55	4.49	0.77	0.00	5.30	9.02	1.46	1.46	7.56	5.30	2.26
February	0.00	0.00	0.00	0.00	5.30	5.30	1.65	1.65	3.65	5.30	0.00
March	0.00	0.00	0.00	0.00	3.65	3.65	2.44	2.44	1.21	5.30	0.00
April	3.17	3.13	0.24	0.00	1.21	4.09	2.95	2.95	1.14	5.30	0.00
May	0.60	0.59	0.00	0.00	1.14	1.73	3.91	3.91	0.00	5.30	0.00
June	0.56	0.55	0.00	0.00	0.00	0.55	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.53	0.52	0.00	0.00	0.00	0.52	4.15	4.15	0.00	5.30	0.00
September	0.12	0.12	0.00	0.00	0.00	0.12	3.54	3.54	0.00	5.30	0.00
	23.82	23.50	6.37	27.1%						Total Mean Yield	3.156

1953-1954

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.67	0.66	0.00	0.00	0.00	0.66	2.81	2.81	0.00	5.30	0.00
November	3.33	3.29	0.29	0.00	0.00	2.99	1.30	1.30	1.69	5.30	0.00
December	1.04	1.03	0.00	0.00	1.69	2.72	0.98	0.98	1.74	5.30	0.00
January	4.18	4.12	0.61	0.00	1.74	5.26	1.46	1.46	3.80	5.30	0.00
February	2.58	2.55	0.10	0.00	3.80	6.24	1.65	1.65	4.59	5.30	0.00
March	5.03	4.96	1.00	0.00	4.59	8.56	2.44	2.44	6.12	5.30	0.82
April	1.49	1.47	0.00	0.00	5.30	6.77	2.95	2.95	3.82	5.30	0.00
May	0.06	0.06	0.00	0.00	3.82	3.88	3.91	3.91	0.00	5.30	0.00
June	0.64	0.63	0.00	0.00	0.00	0.63	4.25	4.25	0.00	5.30	0.00
July	0.10	0.10	0.00	0.00	0.00	0.10	4.27	4.27	0.00	5.30	0.00
August	0.55	0.54	0.00	0.00	0.00	0.54	4.15	4.15	0.00	5.30	0.00
September	0.08	0.08	0.00	0.00	0.00	0.08	3.54	3.54	0.00	5.30	0.00
	19.75	19.49	1.99	10.2%						Total Mean Yield	0.820

1954-1955

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.23	0.23	0.00	0.00	0.00	0.23	2.81	2.81	0.00	5.30	0.00
November	1.96	1.93	0.01	0.00	0.00	1.92	1.30	1.30	0.62	5.30	0.00
December	4.53	4.47	0.76	0.00	0.62	4.33	0.98	0.98	3.35	5.30	0.00
January	5.06	4.99	1.01	0.00	3.35	7.33	1.46	1.46	5.87	5.30	0.57
February	1.37	1.35	0.00	0.00	5.30	6.65	1.65	1.65	5.00	5.30	0.00
March	0.28	0.28	0.00	0.00	5.00	5.28	2.44	2.44	2.84	5.30	0.00
April	2.60	2.57	0.10	0.00	2.84	5.30	2.95	2.95	2.35	5.30	0.00
May	0.36	0.36	0.00	0.00	2.35	2.70	3.91	3.91	0.00	5.30	0.00
June	0.07	0.07	0.00	0.00	0.00	0.07	4.25	4.25	0.00	5.30	0.00
July	0.17	0.17	0.00	0.00	0.00	0.17	4.27	4.27	0.00	5.30	0.00
August	0.12	0.12	0.00	0.00	0.00	0.12	4.15	4.15	0.00	5.30	0.00
September	0.28	0.28	0.00	0.00	0.00	0.28	3.54	3.54	0.00	5.30	0.00
	17.03	16.80	1.88	11.2%						Total Mean Yield	0.574

1955-1956

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.21	0.21	0.00	0.00	0.00	0.21	2.81	2.81	0.00	5.30	0.00
November	2.32	2.29	0.05	0.00	0.00	2.23	1.30	1.30	0.93	5.30	0.00
December	13.81	13.63	7.22	0.00	0.93	7.34	0.98	0.98	6.36	5.30	1.06
January	11.38	11.23	5.26	0.00	5.30	11.27	1.46	1.46	9.81	5.30	4.51
February	2.81	2.77	0.15	0.00	5.30	7.92	1.65	1.65	6.27	5.30	0.97
March	0.00	0.00	0.00	0.00	5.30	5.30	2.44	2.44	2.86	5.30	0.00
April	1.88	1.85	0.01	0.00	2.86	4.71	2.95	2.95	1.76	5.30	0.00
May	1.37	1.35	0.00	0.00	1.76	3.11	3.91	3.91	0.00	5.30	0.00
June	0.07	0.07	0.00	0.00	0.00	0.07	4.25	4.25	0.00	5.30	0.00
July	0.25	0.25	0.00	0.00	0.00	0.25	4.27	4.27	0.00	5.30	0.00
August	0.45	0.44	0.00	0.00	0.00	0.44	4.15	4.15	0.00	5.30	0.00
September	0.45	0.44	0.00	0.00	0.00	0.44	3.54	3.54	0.00	5.30	0.00
	35.00	34.53	12.69	36.8%						Total Mean Yield	6.540

Percolation for Montara Subarea

1956-1957 Precipitation

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation							
October	1.75	1.73	0.00	0.00	0.00	1.72	2.81	2.81	0.00	5.30	0.00							
November	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00							
December	0.57	0.56	0.00	0.00	0.00	0.56	0.98	0.98	0.00	5.30	0.00							
January	3.31	3.27	0.29	0.00	0.00	2.98	1.46	1.46	1.52	5.30	0.00							
February	4.42	4.36	0.71	0.00	1.52	5.17	1.65	1.65	3.52	5.30	0.00							
March	5.98	5.90	1.50	0.00	3.52	7.92	2.44	2.44	5.48	5.30	0.18							
April	1.65	1.63	0.00	0.00	5.30	6.93	2.95	2.95	3.98	5.30	0.00							
May	4.10	4.05	0.57	0.00	3.98	7.45	3.91	3.91	3.54	5.30	0.00							
June	0.08	0.08	0.00	0.00	3.54	3.62	4.25	4.25	0.00	5.30	0.00							
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00							
August	0.08	0.08	0.00	0.00	0.00	0.08	4.15	4.15	0.00	5.30	0.00							
September	1.08	1.07	0.00	0.00	0.00	1.07	3.54	3.54	0.00	5.30	0.00							
											23.02	22.71	3.07	13.5%			Total Mean Yield	0.178

1957-1958

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation							
October	3.17	3.13	0.24	0.00	0.00	2.88	2.81	2.81	0.07	5.30	0.00							
November	1.78	1.76	0.00	0.00	0.07	1.83	1.30	1.30	0.53	5.30	0.00							
December	3.88	3.83	0.49	0.00	0.53	3.87	0.98	0.98	2.89	5.30	0.00							
January	6.23	6.15	1.65	0.00	2.89	7.39	1.46	1.46	5.93	5.30	0.63							
February	10.79	10.65	4.80	0.00	5.30	11.15	1.65	1.65	9.50	5.30	4.20							
March	9.38	9.25	3.74	0.00	5.30	10.81	2.44	2.44	8.37	5.30	3.07							
April	5.83	5.75	1.42	0.00	5.30	9.63	2.95	2.95	6.68	5.30	1.38							
May	0.68	0.67	0.00	0.00	5.30	5.97	3.91	3.91	2.06	5.30	0.00							
June	0.71	0.70	0.00	0.00	2.06	2.76	4.25	4.25	0.00	5.30	0.00							
July	0.38	0.37	0.00	0.00	0.00	0.37	4.27	4.27	0.00	5.30	0.00							
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00							
September	0.18	0.18	0.00	0.00	0.00	0.18	3.54	3.54	0.00	5.30	0.00							
											43.01	42.43	12.34	29.1%			Total Mean Yield	9.278

1958-1959

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation							
October	0.27	0.27	0.00	0.00	0.00	0.27	2.81	2.81	0.00	5.30	0.00							
November	0.50	0.49	0.00	0.00	0.00	0.49	1.30	1.30	0.00	5.30	0.00							
December	1.89	1.86	0.01	0.00	0.00	1.86	0.98	0.98	0.88	5.30	0.00							
January	5.07	5.00	1.02	0.00	0.88	4.86	1.46	1.46	3.40	5.30	0.00							
February	5.64	5.56	1.31	0.00	3.40	7.65	1.65	1.65	6.00	5.30	0.70							
March	0.64	0.63	0.00	0.00	5.30	5.93	2.44	2.44	3.49	5.30	0.00							
April	0.42	0.41	0.00	0.00	3.49	3.91	2.95	2.95	0.96	5.30	0.00							
May	0.36	0.36	0.00	0.00	0.96	1.31	3.91	3.91	0.00	5.30	0.00							
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00							
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00							
August	0.21	0.21	0.00	0.00	0.00	0.21	4.15	4.15	0.00	5.30	0.00							
September	3.66	3.61	0.40	0.00	0.00	3.21	3.54	3.54	0.00	5.30	0.00							
											18.66	18.41	2.74	14.9%			Total yield	0.704

1959-1960

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation							
October	0.40	0.39	0.00	0.00	0.00	0.39	2.81	2.81	0.00	5.30	0.00							
November	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00							
December	1.97	1.94	0.01	0.00	0.00	1.93	0.98	0.98	0.95	5.30	0.00							
January	5.29	5.22	1.13	0.00	0.95	5.04	1.46	1.46	3.58	5.30	0.00							
February	4.66	4.60	0.82	0.00	3.58	7.36	1.65	1.65	5.71	5.30	0.41							
March	1.90	1.87	0.01	0.00	5.30	7.17	2.44	2.44	4.73	5.30	0.00							
April	1.27	1.25	0.00	0.00	4.73	5.98	2.95	2.95	3.03	5.30	0.00							
May	0.71	0.70	0.00	0.00	3.03	3.73	3.91	3.91	0.00	5.30	0.00							
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00							
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00							
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00							
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00							
											16.20	15.98	1.97	12.3%			Total yield	0.412

1960-1961

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation							
October	0.88	0.87	0.00	0.00	0.00	0.87	2.81	2.81	0.00	5.30	0.00							
November	5.12	5.05	1.04	0.00	0.00	4.01	1.30	1.30	2.71	5.30	0.00							
December	1.70	1.68	0.00	0.00	2.71	4.39	0.98	0.98	3.41	5.30	0.00							
January	2.98	2.94	0.19	0.00	3.41	6.16	1.46	1.46	4.70	5.30	0.00							
February	1.89	1.86	0.01	0.00	4.70	6.55	1.65	1.65	4.90	5.30	0.00							
March	3.25	3.21	0.27	0.00	4.90	7.84	2.44	2.44	5.40	5.30	0.10							
April	1.06	1.05	0.00	0.00	5.30	6.35	2.95	2.95	3.40	5.30	0.00							
May	1.73	1.71	0.00	0.00	3.40	5.10	3.91	3.91	1.19	5.30	0.00							
June	0.22	0.22	0.00	0.00	1.19	1.41	4.25	4.25	0.00	5.30	0.00							
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00							
August	0.10	0.10	0.00	0.00	0.00	0.10	4.15	4.15	0.00	5.30	0.00							
September	0.57	0.56	0.00	0.00	0.00	0.56	3.54	3.54	0.00	5.30	0.00							
											19.50	19.24	1.51	7.9%			Total yield	0.100

Percolation for Montara Subarea

1961-1962

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.12	0.12	0.00	0.00	0.00	0.12	2.81	2.81	0.00	5.30	0.00
November	3.66	3.61	0.40	0.00	0.00	3.21	1.30	1.30	1.91	5.30	0.00
December	3.18	3.14	0.25	0.00	1.91	4.80	0.98	0.98	3.82	5.30	0.00
January	2.09	2.06	0.03	0.00	3.82	5.85	1.46	1.46	4.39	5.30	0.00
February	8.64	8.52	3.21	0.00	4.39	9.71	1.65	1.65	8.06	5.30	2.76
March	3.52	3.47	0.36	0.00	5.30	8.42	2.44	2.44	5.98	5.30	0.68
April	0.82	0.81	0.00	0.00	5.30	6.11	2.95	2.95	3.16	5.30	0.00
May	0.24	0.24	0.00	0.00	3.16	3.40	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.29	0.29	0.00	0.00	0.00	0.29	4.15	4.15	0.00	5.30	0.00
September	0.51	0.50	0.00	0.00	0.00	0.50	3.54	3.54	0.00	5.30	0.00
	23.07	22.76	4.25	18.7%						Total Mean Yield	3.433

1962-1963

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	10.97	10.82	4.94	0.00	0.00	5.88	2.81	2.81	3.07	5.30	0.00
November	0.60	0.59	0.00	0.00	3.07	3.67	1.30	1.30	2.37	5.30	0.00
December	3.57	3.52	0.37	0.00	2.37	5.52	0.98	0.98	4.54	5.30	0.00
January	3.44	3.39	0.33	0.00	4.54	7.60	1.46	1.46	6.14	5.30	0.84
February	3.65	3.60	0.40	0.00	5.30	8.50	1.65	1.65	6.85	5.30	1.55
March	4.33	4.27	0.67	0.00	5.30	8.90	2.44	2.44	6.46	5.30	1.16
April	5.08	5.01	1.02	0.00	5.30	9.29	2.95	2.95	6.34	5.30	1.04
May	0.64	0.63	0.00	0.00	5.30	5.93	3.91	3.91	2.02	5.30	0.00
June	0.00	0.00	0.00	0.00	2.02	2.02	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.03	0.03	0.00	0.00	0.00	0.03	4.15	4.15	0.00	5.30	0.00
September	0.09	0.09	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00
	32.40	31.97	7.73	24.2%						Total Mean Yield	4.597

1963-1964

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.48	2.45	0.08	0.00	0.00	2.37	2.81	2.81	0.00	5.30	0.00
November	4.00	3.95	0.53	0.00	0.00	3.41	1.30	1.30	2.11	5.30	0.00
December	1.04	1.03	0.00	0.00	2.11	3.14	0.98	0.98	2.16	5.30	0.00
January	5.32	5.25	1.14	0.00	2.16	6.27	1.46	1.46	4.81	5.30	0.00
February	0.52	0.51	0.00	0.00	4.81	5.32	1.65	1.65	3.67	5.30	0.00
March	2.46	2.43	0.08	0.00	3.67	6.02	2.44	2.44	3.58	5.30	0.00
April	0.23	0.23	0.00	0.00	3.58	3.81	2.95	2.95	0.86	5.30	0.00
May	0.47	0.46	0.00	0.00	0.86	1.32	3.91	3.91	0.00	5.30	0.00
June	0.58	0.57	0.00	0.00	0.00	0.57	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	17.10	16.87	1.83	10.9%						Total Mean Yield	0.000

1964-1965

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.89	1.86	0.01	0.00	0.00	1.86	2.81	2.81	0.00	5.30	0.00
November	3.11	3.07	0.23	0.00	0.00	2.84	1.30	1.30	1.54	5.30	0.00
December	7.50	7.40	2.44	0.00	1.54	6.50	0.98	0.98	5.52	5.30	0.22
January	4.41	4.35	0.70	0.00	5.30	8.95	1.46	1.46	7.49	5.30	2.19
February	1.40	1.38	0.00	0.00	5.30	6.68	1.65	1.65	5.03	5.30	0.00
March	1.58	1.56	0.00	0.00	5.03	6.59	2.44	2.44	4.15	5.30	0.00
April	5.22	5.15	1.09	0.00	4.15	8.21	2.95	2.95	5.26	5.30	0.00
May	0.00	0.00	0.00	0.00	5.26	5.26	3.91	3.91	1.35	5.30	0.00
June	0.06	0.06	0.00	0.00	1.35	1.41	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.23	0.23	0.00	0.00	0.00	0.23	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	25.40	25.06	4.47	17.8%						Total Mean Yield	2.410

1965-1966

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November	5.58	5.51	1.28	0.00	0.00	4.22	1.30	1.30	2.92	5.30	0.00
December	4.96	4.89	0.96	0.00	2.92	6.86	0.98	0.98	5.88	5.30	0.58
January	3.77	3.72	0.44	0.00	5.30	8.58	1.46	1.46	7.12	5.30	1.82
February	3.51	3.46	0.35	0.00	5.30	8.41	1.65	1.65	6.76	5.30	1.46
March	0.68	0.67	0.00	0.00	5.30	5.97	2.44	2.44	3.53	5.30	0.00
April	0.71	0.70	0.00	0.00	3.53	4.23	2.95	2.95	1.28	5.30	0.00
May	0.20	0.20	0.00	0.00	1.28	1.48	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.12	0.12	0.00	0.00	0.00	0.12	4.27	4.27	0.00	5.30	0.00
August	0.27	0.27	0.00	0.00	0.00	0.27	4.15	4.15	0.00	5.30	0.00
September	0.25	0.25	0.00	0.00	0.00	0.25	3.54	3.54	0.00	5.30	0.00
	20.05	19.78	3.04	15.4%						Total Mean Yield	3.854

Percolation for Montara Subarea

1966-1967

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November	5.18	5.11	1.07	0.00	0.00	4.04	1.30	1.30	2.74	5.30	0.00
December	3.62	3.57	0.39	0.00	2.74	5.92	0.98	0.98	4.94	5.30	0.00
January	10.44	10.30	4.53	0.00	4.94	10.71	1.46	1.46	9.25	5.30	3.95
February	0.25	0.25	0.00	0.00	5.30	5.55	1.65	1.65	3.90	5.30	0.00
March	6.18	6.10	1.62	0.00	3.90	8.38	2.44	2.44	5.94	5.30	0.64
April	7.43	7.33	2.39	0.00	5.30	10.24	2.95	2.95	7.29	5.30	1.99
May	0.25	0.25	0.00	0.00	5.30	5.55	3.91	3.91	1.64	5.30	0.00
June	1.44	1.42	0.00	0.00	1.64	3.06	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	34.79	34.32	10.00	29.1%						Total Mean Yield	6.574

1967-1968

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.76	0.75	0.00	0.00	0.00	0.75	2.81	2.81	0.00	5.30	0.00
November	2.13	2.10	0.03	0.00	0.00	2.07	1.30	1.30	0.77	5.30	0.00
December	2.89	2.85	0.17	0.00	0.77	3.45	0.98	0.98	2.47	5.30	0.00
January	6.19	6.11	1.62	0.00	2.47	6.96	1.46	1.46	5.50	5.30	0.20
February	2.62	2.58	0.11	0.00	5.30	7.78	1.65	1.65	6.13	5.30	0.83
March	5.78	5.70	1.39	0.00	5.30	9.61	2.44	2.44	7.17	5.30	1.87
April	0.61	0.60	0.00	0.00	5.30	5.90	2.95	2.95	2.95	5.30	0.00
May	0.24	0.24	0.00	0.00	2.95	3.19	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.28	0.28	0.00	0.00	0.00	0.28	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	21.50	21.21	3.32	15.7%						Total Mean Yield	2.896

1968-1969

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.65	0.64	0.00	0.00	0.00	0.64	2.81	2.81	0.00	5.30	0.00
November	2.69	2.65	0.12	0.00	0.00	2.53	1.30	1.30	1.23	5.30	0.00
December	5.90	5.82	1.46	0.00	1.23	5.59	0.98	0.98	4.61	5.30	0.00
January	8.06	7.95	2.81	0.00	4.61	9.76	1.46	1.46	8.30	5.30	3.00
February	8.68	8.56	3.24	0.00	5.30	10.62	1.65	1.65	8.97	5.30	3.67
March	2.07	2.04	0.02	0.00	5.30	7.32	2.44	2.44	4.88	5.30	0.00
April	2.76	2.72	0.14	0.00	4.88	7.46	2.95	2.95	4.51	5.30	0.00
May	0.06	0.06	0.00	0.00	4.51	4.57	3.91	3.91	0.66	5.30	0.00
June	0.40	0.39	0.00	0.00	0.66	1.06	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.21	0.21	0.00	0.00	0.00	0.21	3.54	3.54	0.00	5.30	0.00
	31.48	31.06	7.79	25.1%						Total Mean Yield	6.668

1969-1970

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.73	1.71	0.00	0.00	0.00	1.71	2.81	2.81	0.00	5.30	0.00
November	0.76	0.75	0.00	0.00	0.00	0.75	1.30	1.30	0.00	5.30	0.00
December	4.55	4.49	0.77	0.00	0.00	3.72	0.98	0.98	2.74	5.30	0.00
January	8.49	8.38	3.11	0.00	2.74	8.01	1.46	1.46	6.55	5.30	1.25
February	2.31	2.28	0.05	0.00	5.30	7.53	1.65	1.65	5.88	5.30	0.58
March	2.04	2.01	0.02	0.00	5.30	7.29	2.44	2.44	4.85	5.30	0.00
April	0.32	0.32	0.00	0.00	4.85	5.17	2.95	2.95	2.22	5.30	0.00
May	0.27	0.27	0.00	0.00	2.22	2.48	3.91	3.91	0.00	5.30	0.00
June	0.21	0.21	0.00	0.00	0.00	0.21	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	20.68	20.40	3.95	19.4%						Total Mean Yield	1.827

1970-1971

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.90	0.89	0.00	0.00	0.00	0.89	2.81	2.81	0.00	5.30	0.00
November	8.41	8.30	3.05	0.00	0.00	5.25	1.30	1.30	3.95	5.30	0.00
December	7.67	7.57	2.55	0.00	3.95	8.96	0.98	0.98	7.98	5.30	2.68
January	1.61	1.59	0.00	0.00	5.30	6.89	1.46	1.46	5.43	5.30	0.13
February	0.76	0.75	0.00	0.00	5.30	6.05	1.65	1.65	4.40	5.30	0.00
March	3.49	3.44	0.35	0.00	4.40	7.50	2.44	2.44	5.06	5.30	0.00
April	1.51	1.49	0.00	0.00	5.06	6.55	2.95	2.95	3.60	5.30	0.00
May	0.53	0.52	0.00	0.00	3.60	4.12	3.91	3.91	0.21	5.30	0.00
June	0.08	0.08	0.00	0.00	0.21	0.29	4.25	4.25	0.00	5.30	0.00
July	0.28	0.28	0.00	0.00	0.00	0.28	4.27	4.27	0.00	5.30	0.00
August	0.36	0.36	0.00	0.00	0.00	0.36	4.15	4.15	0.00	5.30	0.00
September	0.40	0.39	0.00	0.00	0.00	0.39	3.54	3.54	0.00	5.30	0.00
	26.00	25.65	5.95	23.2%						Total Mean Yield	2.812

Percolation for Montara Subarea

1971-1972

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.23	0.23	0.00	0.00	0.00	0.23	2.81	2.81	0.00	5.30	0.00
November	2.29	2.26	0.05	0.00	0.00	2.21	1.30	1.30	0.91	5.30	0.00
December	5.10	5.03	1.03	0.00	0.91	4.91	0.98	0.98	3.93	5.30	0.00
January	1.27	1.25	0.00	0.00	3.93	5.18	1.46	1.46	3.72	5.30	0.00
February	1.33	1.31	0.00	0.00	3.72	5.04	1.65	1.65	3.39	5.30	0.00
March	0.19	0.19	0.00	0.00	3.39	3.57	2.44	2.44	1.13	5.30	0.00
April	1.25	1.23	0.00	0.00	1.13	2.37	2.95	2.95	0.00	5.30	0.00
May	0.11	0.11	0.00	0.00	0.00	0.11	3.91	3.91	0.00	5.30	0.00
June	0.28	0.28	0.00	0.00	0.00	0.28	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.98	0.97	0.00	0.00	0.00	0.97	3.54	3.54	0.00	5.30	0.00
	13.03	12.86	1.08	8.4%						Total Mean Yield	0.000

1972-1973

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	6.90	6.81	2.05	0.00	0.00	4.75	2.81	2.81	1.94	5.30	0.00
November	6.49	6.40	1.80	0.00	1.94	6.55	1.30	1.30	5.25	5.30	0.00
December	3.17	3.13	0.24	0.00	5.25	8.13	0.98	0.98	7.15	5.30	1.85
January	8.78	8.66	3.31	0.00	5.30	10.65	1.46	1.46	9.19	5.30	3.89
February	7.33	7.23	2.33	0.00	5.30	10.21	1.65	1.65	8.56	5.30	3.26
March		0.00	0.00	0.00	5.30	5.30	2.44	2.44	2.86	5.30	0.00
April	0.23	0.23	0.00	0.00	2.86	3.09	2.95	2.95	0.14	5.30	0.00
May	0.21	0.21	0.00	0.00	0.14	0.34	3.91	3.91	0.00	5.30	0.00
June	0.05	0.05	0.00	0.00	0.00	0.05	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.09	0.09	0.00	0.00	0.00	0.09	4.15	4.15	0.00	5.30	0.00
September	0.62	0.61	0.00	0.00	0.00	0.61	3.54	3.54	0.00	5.30	0.00
	33.87	33.42	9.74	29.1%						Total yield	8.994

1973-1974

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.04	3.00	0.21	0.00	0.00	2.79	2.81	2.81	0.00	5.30	0.00
November	9.50	9.37	3.83	0.00	0.00	5.54	1.30	1.30	4.24	5.30	0.00
December	6.32	6.24	1.70	0.00	4.24	8.78	0.98	0.98	7.80	5.30	2.50
January	4.87	4.80	0.92	0.00	5.30	9.19	1.46	1.46	7.73	5.30	2.43
February	2.16	2.13	0.03	0.00	5.30	7.40	1.65	1.65	5.75	5.30	0.45
March	7.20	7.10	2.24	0.00	5.30	10.16	2.44	2.44	7.72	5.30	2.42
April	3.22	3.18	0.26	0.00	5.30	8.22	2.95	2.95	5.27	5.30	0.00
May	0.01	0.01	0.00	0.00	5.27	5.28	3.91	3.91	1.37	5.30	0.00
June	0.50	0.49	0.00	0.00	1.37	1.86	4.25	4.25	0.00	5.30	0.00
July	1.01	1.00	0.00	0.00	0.00	1.00	4.27	4.27	0.00	5.30	0.00
August	0.13	0.13	0.00	0.00	0.00	0.13	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	37.96	37.45	9.19	24.5%						Total yield	7.794

1974-1975

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.36	1.34	0.00	0.00	0.00	1.34	2.81	2.81	0.00	5.30	0.00
November	0.64	0.63	0.00	0.00	0.00	0.63	1.30	1.30	0.00	5.30	0.00
December	3.64	3.59	0.40	0.00	0.00	3.19	0.98	0.98	2.21	5.30	0.00
January	2.95	2.91	0.18	0.00	2.21	4.94	1.46	1.46	3.48	5.30	0.00
February	4.88	4.81	0.92	0.00	3.48	7.37	1.65	1.65	5.72	5.30	0.42
March	7.11	7.01	2.19	0.00	5.30	10.13	2.44	2.44	7.69	5.30	2.39
April	2.14	2.11	0.03	0.00	5.30	7.38	2.95	2.95	4.43	5.30	0.00
May	0.10	0.10	0.00	0.00	4.43	4.53	3.91	3.91	0.62	5.30	0.00
June	0.28	0.28	0.00	0.00	0.62	0.90	4.25	4.25	0.00	5.30	0.00
July	0.52	0.51	0.00	0.00	0.00	0.51	4.27	4.27	0.00	5.30	0.00
August	0.59	0.58	0.00	0.00	0.00	0.58	4.15	4.15	0.00	5.30	0.00
September	0.02	0.02	0.00	0.00	0.00	0.02	3.54	3.54	0.00	5.30	0.00
	24.23	23.91	3.72	15.6%						Total yield	2.813

1975-1976

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	4.49	4.43	0.74	0.00	0.00	3.69	2.81	2.81	0.88	5.30	0.00
November	0.85	0.84	0.00	0.00	0.88	1.72	1.30	1.30	0.42	5.30	0.00
December	0.69	0.68	0.00	0.00	0.42	1.10	0.98	0.98	0.12	5.30	0.00
January	0.52	0.51	0.00	0.00	0.12	0.63	1.46	1.46	0.00	5.30	0.00
February	2.54	2.51	0.09	0.00	0.00	2.41	1.65	1.65	0.76	5.30	0.00
March	1.13	1.11	0.00	0.00	0.76	1.88	2.44	2.44	0.00	5.30	0.00
April	2.04	2.01	0.02	0.00	0.00	1.99	2.95	2.95	0.00	5.30	0.00
May	0.13	0.13	0.00	0.00	0.00	0.13	3.91	3.91	0.00	5.30	0.00
June	0.04	0.04	0.00	0.00	0.00	0.04	4.25	4.25	0.00	5.30	0.00
July	0.14	0.14	0.00	0.00	0.00	0.14	4.27	4.27	0.00	5.30	0.00
August	1.56	1.54	0.00	0.00	0.00	1.54	4.15	4.15	0.00	5.30	0.00
September	0.59	0.58	0.00	0.00	0.00	0.58	3.54	3.54	0.00	5.30	0.00
	14.72	14.52	0.85	5.9%						Total yield	0.000

Percolation for Montara Subarea

1976-1977

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.30	0.30	0.00	0.00	0.00	0.30	2.81	2.81	0.00	5.30	0.00
November	1.73	1.71	0.00	0.00	0.00	1.71	1.30	1.30	0.41	5.30	0.00
December	2.41	2.38	0.07	0.00	0.41	2.71	0.98	0.98	1.73	5.30	0.00
January	2.26	2.23	0.05	0.00	1.73	3.92	1.46	1.46	2.46	5.30	0.00
February	1.31	1.29	0.00	0.00	2.46	3.75	1.65	1.65	2.10	5.30	0.00
March	3.15	3.11	0.24	0.00	2.10	4.97	2.44	2.44	2.53	5.30	0.00
April	0.20	0.20	0.00	0.00	2.53	2.73	2.95	2.95	0.00	5.30	0.00
May	1.23	1.21	0.00	0.00	0.00	1.21	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.16	0.16	0.00	0.00	0.00	0.16	4.27	4.27	0.00	5.30	0.00
August	0.27	0.27	0.00	0.00	0.00	0.27	4.15	4.15	0.00	5.30	0.00
September	1.59	1.57	0.00	0.00	0.00	1.57	3.54	3.54	0.00	5.30	0.00
	14.61	14.41	0.36	2.5%						Total yield	0.000

1977-1978

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.47	0.46	0.00	0.00	0.00	0.46	2.81	2.81	0.00	5.30	0.00
November	3.37	3.32	0.31	0.00	0.00	3.02	1.30	1.30	1.72	5.30	0.00
December	5.60	5.53	1.29	0.00	1.72	5.95	0.98	0.98	4.97	5.30	0.00
January	9.01	8.89	3.48	0.00	4.97	10.39	1.46	1.46	8.93	5.30	3.63
February	5.62	5.54	1.30	0.00	5.30	9.54	1.65	1.65	7.89	5.30	2.59
March	5.58	5.51	1.28	0.00	5.30	9.52	2.44	2.44	7.08	5.30	1.78
April	4.50	4.44	0.74	0.00	5.30	9.00	2.95	2.95	6.05	5.30	0.75
May	0.00	0.00	0.00	0.00	5.30	5.30	3.91	3.91	1.39	5.30	0.00
June	0.00	0.00	0.00	0.00	1.39	1.39	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	34.15	33.69	8.40	24.9%						Total yield	8.748

1978-1979

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.05	0.05	0.00	0.00	0.00	0.05	2.81	2.81	0.00	5.30	0.00
November	3.04	3.00	0.21	0.00	0.00	2.79	1.30	1.30	1.49	5.30	0.00
December	0.83	0.82	0.00	0.00	1.49	2.31	0.98	0.98	1.33	5.30	0.00
January	8.11	8.00	2.85	0.00	1.33	6.49	1.46	1.46	5.03	5.30	0.00
February	6.27	6.19	1.67	0.00	5.03	9.54	1.65	1.65	7.89	5.30	2.59
March	4.83	4.77	0.90	0.00	5.30	9.17	2.44	2.44	6.73	5.30	1.43
April	0.89	0.88	0.00	0.00	5.30	6.18	2.95	2.95	3.23	5.30	0.00
May	0.85	0.84	0.00	0.00	3.23	4.07	3.91	3.91	0.16	5.30	0.00
June	0.00	0.00	0.00	0.00	0.16	0.16	4.25	4.25	0.00	5.30	0.00
July	0.29	0.29	0.00	0.00	0.00	0.29	4.27	4.27	0.00	5.30	0.00
August	0.13	0.13	0.00	0.00	0.00	0.13	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	25.29	24.95	5.62	22.5%						Total yield	4.019

1979-1980

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.23	3.19	0.26	0.00	0.00	2.92	2.81	2.81	0.11	5.30	0.00
November	3.97	3.92	0.52	0.00	0.11	3.51	1.30	1.30	2.21	5.30	0.00
December	5.76	5.68	1.38	0.00	2.21	6.51	0.98	0.98	5.53	5.30	0.23
January	5.40	5.33	1.18	0.00	5.30	9.44	1.46	1.46	7.98	5.30	2.68
February	7.49	7.39	2.43	0.00	5.30	10.26	1.65	1.65	8.61	5.30	3.31
March	1.90	1.87	0.01	0.00	5.30	7.17	2.44	2.44	4.73	5.30	0.00
April	1.88	1.85	0.01	0.00	4.73	6.57	2.95	2.95	3.62	5.30	0.00
May	0.32	0.32	0.00	0.00	3.62	3.94	3.91	3.91	0.03	5.30	0.00
June	0.03	0.03	0.00	0.00	0.03	0.06	4.25	4.25	0.00	5.30	0.00
July	0.07	0.07	0.00	0.00	0.00	0.07	4.27	4.27	0.00	5.30	0.00
August	0.05	0.05	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
September	0.18	0.18	0.00	0.00	0.00	0.18	3.54	3.54	0.00	5.30	0.00
	30.28	29.87	5.80	19.4%						Total yield	6.226

1980-1981

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.18	0.18	0.00	0.00	0.00	0.18	2.81	2.81	0.00	5.30	0.00
November	0.65	0.64	0.00	0.00	0.00	0.64	1.30	1.30	0.00	5.30	0.00
December	2.44	2.41	0.07	0.00	0.00	2.33	0.98	0.98	1.35	5.30	0.00
January	7.48	7.38	2.42	0.00	1.35	6.31	1.46	1.46	4.85	5.30	0.00
February	2.42	2.39	0.07	0.00	4.85	7.17	1.65	1.65	5.52	5.30	0.22
March	4.71	4.65	0.84	0.00	5.30	9.11	2.44	2.44	6.67	5.30	1.37
April	0.24	0.24	0.00	0.00	5.30	5.54	2.95	2.95	2.59	5.30	0.00
May	0.33	0.33	0.00	0.00	2.59	2.91	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.42	0.41	0.00	0.00	0.00	0.41	4.15	4.15	0.00	5.30	0.00
September	0.37	0.37	0.00	0.00	0.00	0.37	3.54	3.54	0.00	5.30	0.00
	19.24	18.98	3.41	18.0%						Total yield	1.582

Percolation for Montara Subarea

1981-1982

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.98	3.93	0.52	0.00	0.00	3.40	2.81	2.81	0.59	5.30	0.00
November	7.08	6.99	2.17	0.00	0.59	5.41	1.30	1.30	4.11	5.30	0.00
December	6.00	5.92	1.51	0.00	4.11	8.52	0.98	0.98	7.54	5.30	2.24
January	12.01	11.85	5.76	0.00	5.30	11.39	1.46	1.46	9.93	5.30	4.63
February	5.11	5.04	1.04	0.00	5.30	9.31	1.65	1.65	7.66	5.30	2.36
March	7.91	7.80	2.71	0.00	5.30	10.39	2.44	2.44	7.95	5.30	2.65
April	5.02	4.95	0.99	0.00	5.30	9.26	2.95	2.95	6.31	5.30	1.01
May	0.00	0.00	0.00	0.00	5.30	5.30	3.91	3.91	1.39	5.30	0.00
June	0.42	0.41	0.00	0.00	1.39	1.80	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.15	0.15	0.00	0.00	0.00	0.15	4.15	4.15	0.00	5.30	0.00
September	1.73	1.71	0.00	0.00	0.00	1.71	3.54	3.54	0.00	5.30	0.00
	49.41	48.75	14.70	30.2%						Total yield	12.893

1982-1983

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.82	3.77	0.46	0.00	0.00	3.31	2.81	2.81	0.50	5.30	0.00
November	7.03	6.94	2.13	0.00	0.50	5.30	1.30	1.30	4.00	5.30	0.00
December	5.41	5.34	1.19	0.00	4.00	8.14	0.98	0.98	7.16	5.30	1.86
January	8.98	8.86	3.45	0.00	5.30	10.71	1.46	1.46	9.25	5.30	3.95
February	9.14	9.02	3.57	0.00	5.30	10.75	1.65	1.65	9.10	5.30	3.80
March	13.05	12.88	6.60	0.00	5.30	11.58	2.44	2.44	9.14	5.30	3.84
April	3.33	3.29	0.29	0.00	5.30	8.29	2.95	2.95	5.34	5.30	0.04
May	0.89	0.88	0.00	0.00	5.30	6.18	3.91	3.91	2.27	5.30	0.00
June	0.03	0.03	0.00	0.00	2.27	2.30	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.14	0.14	0.00	0.00	0.00	0.14	4.15	4.15	0.00	5.30	0.00
September	0.80	0.79	0.00	0.00	0.00	0.79	3.54	3.54	0.00	5.30	0.00
	52.62	51.92	17.70	34.1%						Total yield	13.491

1983-1984

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.12	1.11	0.00	0.00	0.00	1.11	2.81	2.81	0.00	5.30	0.00
November	8.07	7.96	2.82	0.00	0.00	5.14	1.30	1.30	3.84	5.30	0.00
December	9.46	9.33	3.80	0.00	3.84	9.38	0.98	0.98	8.40	5.30	3.10
January	0.26	0.26	0.00	0.00	5.30	5.56	1.46	1.46	4.10	5.30	0.00
February	2.15	2.12	0.03	0.00	4.10	6.19	1.65	1.65	4.54	5.30	0.00
March	2.12	2.09	0.03	0.00	4.54	6.60	2.44	2.44	4.16	5.30	0.00
April	1.09	1.08	0.00	0.00	4.16	5.23	2.95	2.95	2.28	5.30	0.00
May	0.20	0.20	0.00	0.00	2.28	2.48	3.91	3.91	0.00	5.30	0.00
June	0.46	0.45	0.00	0.00	0.00	0.45	4.25	4.25	0.00	5.30	0.00
July	0.06	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
August	0.33	0.33	0.00	0.00	0.00	0.33	4.15	4.15	0.00	5.30	0.00
September	0.18	0.18	0.00	0.00	0.00	0.18	3.54	3.54	0.00	5.30	0.00
	25.50	25.16	6.68	26.6%						Total yield	3.096

1984-1985

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.81	3.76	0.46	0.00	0.00	3.30	2.81	2.81	0.49	5.30	0.00
November	9.86	9.73	4.10	0.00	0.49	6.12	1.30	1.30	4.82	5.30	0.00
December	3.20	3.16	0.25	0.00	4.82	7.73	0.98	0.98	6.75	5.30	1.45
January	1.02	1.01	0.00	0.00	5.30	6.31	1.46	1.46	4.85	5.30	0.00
February	2.90	2.86	0.17	0.00	4.85	7.54	1.65	1.65	5.89	5.30	0.59
March	5.07	5.00	1.02	0.00	5.30	9.29	2.44	2.44	6.85	5.30	1.55
April	0.13	0.13	0.00	0.00	5.30	5.43	2.95	2.95	2.48	5.30	0.00
May	0.32	0.32	0.00	0.00	2.48	2.79	3.91	3.91	0.00	5.30	0.00
June	0.47	0.46	0.00	0.00	0.00	0.46	4.25	4.25	0.00	5.30	0.00
July	0.31	0.31	0.00	0.00	0.00	0.31	4.27	4.27	0.00	5.30	0.00
August	0.05	0.05	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
September	0.40	0.39	0.00	0.00	0.00	0.39	3.54	3.54	0.00	5.30	0.00
	27.54	27.17	6.00	22.1%						Total yield	3.578

1985-1986

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.51	1.49	0.00	0.00	0.00	1.49	2.81	2.81	0.00	5.30	0.00
November		0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	3.18	3.14	0.25	0.00	0.00	2.89	0.98	0.98	1.91	5.30	0.00
January	4.98	4.91	0.97	0.00	1.91	5.85	1.46	1.46	4.39	5.30	0.00
February	11.48	11.33	5.34	0.00	4.39	10.38	1.65	1.65	8.73	5.30	3.43
March	7.12	7.02	2.19	0.00	5.30	10.13	2.44	2.44	7.69	5.30	2.39
April	0.50	0.49	0.00	0.00	5.30	5.79	2.95	2.95	2.84	5.30	0.00
May	0.84	0.83	0.00	0.00	2.84	3.67	3.91	3.91	0.00	5.30	0.00
June	0.09	0.09	0.00	0.00	0.00	0.09	4.25	4.25	0.00	5.30	0.00
July	0.08	0.08	0.00	0.00	0.00	0.08	4.27	4.27	0.00	5.30	0.00
August	0.25	0.25	0.00	0.00	0.00	0.25	4.15	4.15	0.00	5.30	0.00
September	2.20	2.17	0.04	0.00	0.00	2.13	3.54	3.54	0.00	5.30	0.00
	32.23	31.80	8.79	27.6%						Total yield	5.825

Percolation for Montara Subarea

1986-1987

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.42	0.41	0.00	0.00	0.00	0.41	2.81	2.81	0.00	5.30	0.00
November	0.32	0.32	0.00	0.00	0.00	0.32	1.30	1.30	0.00	5.30	0.00
December	3.10	3.06	0.22	0.00	0.00	2.83	0.98	0.98	1.85	5.30	0.00
January	5.10	5.03	1.03	0.00	1.85	5.86	1.46	1.46	4.40	5.30	0.00
February	3.87	3.82	0.48	0.00	4.40	7.73	1.65	1.65	6.08	5.30	0.78
March	4.16	4.10	0.60	0.00	5.30	8.81	2.44	2.44	6.37	5.30	1.07
April	0.95	0.94	0.00	0.00	5.30	6.24	2.95	2.95	3.29	5.30	0.00
May	0.06	0.06	0.00	0.00	3.29	3.35	3.91	3.91	0.00	5.30	0.00
June	0.08	0.08	0.00	0.00	0.00	0.08	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.10	0.10	0.00	0.00	0.00	0.10	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
	18.16	17.92	2.33	13.0%						Total yield	1.849

1987-1988

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.13	2.10	0.03	0.00	0.00	2.07	2.81	2.81	0.00	5.30	0.00
November	2.63	2.59	0.11	0.00	0.00	2.48	1.30	1.30	1.18	5.30	0.00
December	6.03	5.95	1.53	0.00	1.18	5.60	0.98	0.98	4.62	5.30	0.00
January	4.48	4.42	0.73	0.00	4.62	8.31	1.46	1.46	6.85	5.30	1.55
February	0.58	0.57	0.00	0.00	5.30	5.87	1.65	1.65	4.22	5.30	0.00
March	0.12	0.12	0.00	0.00	4.22	4.34	2.44	2.44	1.90	5.30	0.00
April	3.04	3.00	0.21	0.00	1.90	4.69	2.95	2.95	1.74	5.30	0.00
May	0.69	0.68	0.00	0.00	1.74	2.42	3.91	3.91	0.00	5.30	0.00
June	0.29	0.29	0.00	0.00	0.00	0.29	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.01	0.01	0.00	0.00	0.00	0.01	4.15	4.15	0.00	5.30	0.00
September	0.02	0.02	0.00	0.00	0.00	0.02	3.54	3.54	0.00	5.30	0.00
	20.02	19.75	2.61	13.2%						Total yield	1.547

1988-1989

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.94	0.93	0.00	0.00	0.00	0.93	2.81	2.81	0.00	5.30	0.00
November	3.55	3.50	0.37	0.00	0.00	3.14	1.30	1.30	1.84	5.30	0.00
December	5.17	5.10	1.07	0.00	1.84	5.87	0.98	0.98	4.89	5.30	0.00
January	2.01	1.98	0.02	0.00	4.89	6.86	1.46	1.46	5.40	5.30	0.10
February	1.30	1.28	0.00	0.00	5.30	6.58	1.65	1.65	4.93	5.30	0.00
March	7.95	7.84	2.74	0.00	4.93	10.04	2.44	2.44	7.60	5.30	2.30
April	1.83	1.81	0.01	0.00	5.30	7.10	2.95	2.95	4.15	5.30	0.00
May	0.31	0.31	0.00	0.00	4.15	4.46	3.91	3.91	0.55	5.30	0.00
June	0.10	0.10	0.00	0.00	0.55	0.64	4.25	4.25	0.00	5.30	0.00
July	0.13	0.13	0.00	0.00	0.00	0.13	4.27	4.27	0.00	5.30	0.00
August	0.27	0.27	0.00	0.00	0.00	0.27	4.15	4.15	0.00	5.30	0.00
September	0.95	0.94	0.00	0.00	0.00	0.94	3.54	3.54	0.00	5.30	0.00
	24.51	24.18	4.19	17.3%						Total yield	2.397

1989-1990

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.05	2.02	0.02	0.00	0.00	2.00	2.81	2.81	0.00	5.30	0.00
November	1.95	1.92	0.01	0.00	0.00	1.91	1.30	1.30	0.61	5.30	0.00
December	0.03	0.03	0.00	0.00	0.61	0.64	0.98	0.98	0.00	5.30	0.00
January	4.29	4.23	0.65	0.00	0.00	3.58	1.46	1.46	2.12	5.30	0.00
February	2.52	2.49	0.09	0.00	2.12	4.52	1.65	1.65	2.87	5.30	0.00
March	1.33	1.31	0.00	0.00	2.87	4.18	2.44	2.44	1.74	5.30	0.00
April	0.29	0.29	0.00	0.00	1.74	2.03	2.95	2.95	0.00	5.30	0.00
May	2.82	2.78	0.15	0.00	0.00	2.63	3.91	3.91	0.00	5.30	0.00
June	0.46	0.45	0.00	0.00	0.00	0.45	4.25	4.25	0.00	5.30	0.00
July	0.24	0.24	0.00	0.00	0.00	0.24	4.27	4.27	0.00	5.30	0.00
August	0.14	0.14	0.00	0.00	0.00	0.14	4.15	4.15	0.00	5.30	0.00
September	0.33	0.33	0.00	0.00	0.00	0.33	3.54	3.54	0.00	5.30	0.00
	16.45	16.23	0.93	5.7%						Total yield	0.000

1990-1991

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.55	0.54	0.00	0.00	0.00	0.54	2.81	2.81	0.00	5.30	0.00
November	0.74	0.73	0.00	0.00	0.00	0.73	1.30	1.30	0.00	5.30	0.00
December	2.58	2.55	0.10	0.00	0.00	2.45	0.98	0.98	1.47	5.30	0.00
January	0.56	0.55	0.00	0.00	1.47	2.02	1.46	1.46	0.56	5.30	0.00
February	4.19	4.13	0.61	0.00	0.56	4.08	1.65	1.65	2.43	5.30	0.00
March	8.81	8.69	3.33	0.00	2.43	7.79	2.44	2.44	5.35	5.30	0.05
April	0.90	0.89	0.00	0.00	5.30	6.19	2.95	2.95	3.24	5.30	0.00
May	0.67	0.66	0.00	0.00	3.24	3.90	3.91	3.91	0.00	5.30	0.00
June	0.32	0.32	0.00	0.00	0.00	0.32	4.25	4.25	0.00	5.30	0.00
July	0.27	0.27	0.00	0.00	0.00	0.27	4.27	4.27	0.00	5.30	0.00
August	0.92	0.91	0.00	0.00	0.00	0.91	4.15	4.15	0.00	5.30	0.00
September	0.25	0.25	0.00	0.00	0.00	0.25	3.54	3.54	0.00	5.30	0.00
	20.76	20.48	4.04	19.7%						Total yield	0.052

Percolation for Montara Subarea

1991-1992

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.63	2.59	0.11	0.00	0.00	2.48	2.81	2.81	0.00	5.30	0.00
November	1.01	1.00	0.00	0.00	0.00	1.00	1.30	1.30	0.00	5.30	0.00
December	3.60	3.55	0.38	0.00	0.00	3.17	0.98	0.98	2.19	5.30	0.00
January	3.18	3.14	0.25	0.00	2.19	5.08	1.46	1.46	3.62	5.30	0.00
February	8.70	8.58	3.25	0.00	3.62	8.95	1.65	1.65	7.30	5.30	2.00
March	3.45	3.40	0.33	0.00	5.30	8.37	2.44	2.44	5.93	5.30	0.63
April	0.40	0.39	0.00	0.00	5.30	5.69	2.95	2.95	2.74	5.30	0.00
May	0.06	0.06	0.00	0.00	2.74	2.80	3.91	3.91	0.00	5.30	0.00
June	0.84	0.83	0.00	0.00	0.00	0.83	4.25	4.25	0.00	5.30	0.00
July	0.02	0.02	0.00	0.00	0.00	0.02	4.27	4.27	0.00	5.30	0.00
August	0.18	0.18	0.00	0.00	0.00	0.18	4.15	4.15	0.00	5.30	0.00
September	0.12	0.12	0.00	0.00	0.00	0.12	3.54	3.54	0.00	5.30	0.00
	24.19	23.87	4.33	18.1%						Total yield	2.629

1992-1993

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.88	2.84	0.17	0.00	0.00	2.67	2.81	2.81	0.00	5.30	0.00
November	0.67	0.66	0.00	0.00	0.00	0.66	1.30	1.30	0.00	5.30	0.00
December	8.10	7.99	2.84	0.00	0.00	5.15	0.98	0.98	4.17	5.30	0.00
January	9.21	9.09	3.62	0.00	4.17	9.64	1.46	1.46	8.18	5.30	2.88
February	5.59	5.52	1.29	0.00	5.30	9.53	1.65	1.65	7.88	5.30	2.58
March	2.79	2.75	0.15	0.00	5.30	7.91	2.44	2.44	5.47	5.30	0.17
April	1.68	1.66	0.00	0.00	5.30	6.96	2.95	2.95	4.01	5.30	0.00
May	1.38	1.36	0.00	0.00	4.01	5.37	3.91	3.91	1.46	5.30	0.00
June	0.48	0.47	0.00	0.00	1.46	1.93	4.25	4.25	0.00	5.30	0.00
July	0.06	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
August	0.17	0.17	0.00	0.00	0.00	0.17	4.15	4.15	0.00	5.30	0.00
September	0.21	0.21	0.00	0.00	0.00	0.21	3.54	3.54	0.00	5.30	0.00
	33.22	32.78	8.06	24.6%						Total yield	5.627

1993-1994

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.62	0.61	0.00	0.00	0.00	0.61	2.81	2.81	0.00	5.30	0.00
November	1.55	1.53	0.00	0.00	0.00	1.53	1.30	1.30	0.23	5.30	0.00
December	2.77	2.73	0.14	0.00	0.23	2.82	0.98	0.98	1.84	5.30	0.00
January	2.63	2.59	0.11	0.00	1.84	4.33	1.46	1.46	2.87	5.30	0.00
February	5.61	5.53	1.30	0.00	2.87	7.10	1.65	1.65	5.45	5.30	0.15
March	0.77	0.76	0.00	0.00	5.30	6.06	2.44	2.44	3.62	5.30	0.00
April	1.85	1.83	0.01	0.00	3.62	5.44	2.95	2.95	2.49	5.30	0.00
May	1.64	1.62	0.00	0.00	2.49	4.11	3.91	3.91	0.20	5.30	0.00
June	0.11	0.11	0.00	0.00	0.20	0.31	4.25	4.25	0.00	5.30	0.00
July	0.13	0.13	0.00	0.00	0.00	0.13	4.27	4.27	0.00	5.30	0.00
August	0.17	0.17	0.00	0.00	0.00	0.17	4.15	4.15	0.00	5.30	0.00
September	0.09	0.09	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00
	17.94	17.70	1.55	8.8%						Total yield	0.154

1994-1995

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.08	0.08	0.00	0.00	0.00	0.08	2.81	2.81	0.00	5.30	0.00
November	5.34	5.27	1.15	0.00	0.00	4.12	1.30	1.30	2.82	5.30	0.00
December	3.93	3.88	0.50	0.00	2.82	6.19	0.98	0.98	5.21	5.30	0.00
January	11.38	11.23	5.26	0.00	5.21	11.18	1.46	1.46	9.72	5.30	4.42
February	0.26	0.26	0.00	0.00	5.30	5.56	1.65	1.65	3.91	5.30	0.00
March	8.71	8.59	3.26	0.00	3.91	9.24	2.44	2.44	6.80	5.30	1.50
April	2.35	2.32	0.06	0.00	5.30	7.56	2.95	2.95	4.61	5.30	0.00
May	1.54	1.52	0.00	0.00	4.61	6.13	3.91	3.91	2.22	5.30	0.00
June	0.78	0.77	0.00	0.00	2.22	2.99	4.25	4.25	0.00	5.30	0.00
July	0.05	0.05	0.00	0.00	0.00	0.05	4.27	4.27	0.00	5.30	0.00
August	0.05	0.05	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
September	0.15	0.15	0.00	0.00	0.00	0.15	3.54	3.54	0.00	5.30	0.00
	34.62	34.16	10.24	30.0%						Total yield	5.915

1995-1996

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.07	0.07	0.00	0.00	0.00	0.07	2.81	2.81	0.00	5.30	0.00
November	0.30	0.30	0.00	0.00	0.00	0.30	1.30	1.30	0.00	5.30	0.00
December	8.25	8.14	2.94	0.00	0.00	5.20	0.98	0.98	4.22	5.30	0.00
January	8.27	8.16	2.96	0.00	4.22	9.42	1.46	1.46	7.96	5.30	2.66
February	7.05	6.96	2.15	0.00	5.30	10.11	1.65	1.65	8.46	5.30	3.16
March	3.34	3.30	0.30	0.00	5.30	8.30	2.44	2.44	5.86	5.30	0.56
April	1.98	1.95	0.01	0.00	5.30	7.24	2.95	2.95	4.29	5.30	0.00
May	2.16	2.13	0.03	0.00	4.29	6.39	3.91	3.91	2.48	5.30	0.00
June	0.13	0.13	0.00	0.00	2.48	2.60	4.25	4.25	0.00	5.30	0.00
July	0.06	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
August	0.07	0.07	0.00	0.00	0.00	0.07	4.15	4.15	0.00	5.30	0.00
September	0.20	0.20	0.00	0.00	0.00	0.20	3.54	3.54	0.00	5.30	0.00
	31.88	31.45	8.39	26.7%						Total yield	6.379

Percolation for Montara Subarea

1996-1997

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.47	1.45	0.00	0.00	0.00	1.45	2.81	2.81	0.00	5.30	0.00
November	2.71	2.67	0.13	0.00	0.00	2.55	1.30	1.30	1.25	5.30	0.00
December	8.83	8.71	3.35	0.00	1.25	6.61	0.98	0.98	5.63	5.30	0.33
January	9.86	9.73	4.10	0.00	5.30	10.93	1.46	1.46	9.47	5.30	4.17
February	0.29	0.29	0.00	0.00	5.30	5.59	1.65	1.65	3.94	5.30	0.00
March	0.59	0.58	0.00	0.00	3.94	4.52	2.44	2.44	2.08	5.30	0.00
April	0.96	0.95	0.00	0.00	2.08	3.03	2.95	2.95	0.08	5.30	0.00
May	0.44	0.43	0.00	0.00	0.08	0.51	3.91	3.91	0.00	5.30	0.00
June	0.57	0.56	0.00	0.00	0.00	0.56	4.25	4.25	0.00	5.30	0.00
July	0.13	0.13	0.00	0.00	0.00	0.13	4.27	4.27	0.00	5.30	0.00
August	0.77	0.76	0.00	0.00	0.00	0.76	4.15	4.15	0.00	5.30	0.00
September	0.08	0.08	0.00	0.00	0.00	0.08	3.54	3.54	0.00	5.30	0.00
	26.70	26.34	7.57	28.7%						Total yield	4.503

1997-1998

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.77	0.76	0.00	0.00	0.00	0.76	2.81	2.81	0.00	5.30	0.00
November	7.84	7.74	2.66	0.00	0.00	5.07	1.30	1.30	3.77	5.30	0.00
December	3.65	3.60	0.40	0.00	3.77	6.97	0.98	0.98	5.99	5.30	0.69
January	12.13	11.97	5.85	0.00	5.30	11.42	1.46	1.46	9.96	5.30	4.66
February	15.70	15.49	8.81	0.00	5.30	11.98	1.65	1.65	10.33	5.30	5.03
March	2.58	2.55	0.10	0.00	5.30	7.75	2.44	2.44	5.31	5.30	0.01
April	2.73	2.69	0.13	0.00	5.30	7.86	2.95	2.95	4.91	5.30	0.00
May	4.01	3.96	0.54	0.00	4.91	8.33	3.91	3.91	4.42	5.30	0.00
June	0.30	0.30	0.00	0.00	4.42	4.72	4.25	4.25	0.47	5.30	0.00
July	0.18	0.18	0.00	0.00	0.47	0.65	4.27	4.27	0.00	5.30	0.00
August	0.06	0.06	0.00	0.00	0.00	0.06	4.15	4.15	0.00	5.30	0.00
September	0.25	0.25	0.00	0.00	0.00	0.25	3.54	3.54	0.00	5.30	0.00
	50.20	49.53	18.50	37.3%						Total yield	10.380

1998-1999

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.97	0.96	0.00	0.00	0.00	0.96	2.81	2.81	0.00	5.30	0.00
November	3.75	3.70	0.44	0.00	0.00	3.26	1.30	1.30	1.96	5.30	0.00
December	2.09	2.06	0.03	0.00	1.96	4.00	0.98	0.98	3.02	5.30	0.00
January	6.4	6.31	1.75	0.00	3.02	7.59	1.46	1.46	6.13	5.30	0.83
February	14	13.81	7.38	0.00	5.30	11.73	1.65	1.65	10.08	5.30	4.78
March	4.7	4.64	0.84	0.00	5.30	9.10	2.44	2.44	6.66	5.30	1.36
April	2.73	2.69	0.13	0.00	5.30	7.86	2.95	2.95	4.91	5.30	0.00
May	0.12	0.12	0.00	0.00	4.91	5.03	3.91	3.91	1.12	5.30	0.00
June	0.46	0.45	0.00	0.00	1.12	1.57	4.25	4.25	0.00	5.30	0.00
July	0.05	0.05	0.00	0.00	0.00	0.05	4.27	4.27	0.00	5.30	0.00
August	0.34	0.34	0.00	0.00	0.00	0.34	4.15	4.15	0.00	5.30	0.00
September	0.21	0.21	0.00	0.00	0.00	0.21	3.54	3.54	0.00	5.30	0.00
	35.82	35.34	10.56	29.9%						Total yield	6.971

1999-2000

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.82	0.81	0.00	0.00	0.00	0.81	2.81	2.81	0.00	5.30	0.00
November	2.94	2.90	0.18	0.00	0.00	2.72	1.30	1.30	1.42	5.30	0.00
December	0.93	0.92	0.00	0.00	1.42	2.34	0.98	0.98	1.36	5.30	0.00
January	7.53	7.43	2.46	0.00	1.36	6.33	1.46	1.46	4.87	5.30	0.00
February	11.27	11.12	5.17	0.00	4.87	10.82	1.65	1.65	9.17	5.30	3.87
March	2.45	2.42	0.08	0.00	5.30	7.64	2.44	2.44	5.20	5.30	0.00
April	3.1	3.06	0.22	0.00	5.20	8.04	2.95	2.95	5.09	5.30	0.00
May	1.72	1.70	0.00	0.00	5.09	6.78	3.91	3.91	2.87	5.30	0.00
June	0.18	0.18	0.00	0.00	2.87	3.05	4.25	4.25	0.00	5.30	0.00
July	0.26	0.26	0.00	0.00	0.00	0.26	4.27	4.27	0.00	5.30	0.00
August	0.19	0.19	0.00	0.00	0.00	0.19	4.15	4.15	0.00	5.30	0.00
September	0.41	0.40	0.00	0.00	0.00	0.40	3.54	3.54	0.00	5.30	0.00
	31.80	31.37	8.11	25.9%						Total yield	3.865

2000-2001

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.74	3.69	0.43	0.00	0.00	3.26	2.81	2.81	0.45	5.30	0.00
November	1.3	1.28	0.00	0.00	0.45	1.73	1.30	1.30	0.43	5.30	0.00
December	0.69	0.68	0.00	0.00	0.43	1.11	0.98	0.98	0.13	5.30	0.00
January	5.75	5.67	1.37	0.00	0.13	4.43	1.46	1.46	2.97	5.30	0.00
February	6.44	6.35	1.77	0.00	2.97	7.55	1.65	1.65	5.90	5.30	0.60
March	1.67	1.65	0.00	0.00	5.90	6.95	2.44	2.44	4.51	5.30	0.00
April	2.19	2.16	0.04	0.00	4.51	6.63	2.95	2.95	3.68	5.30	0.00
May	0.02	0.02	0.00	0.00	3.68	3.70	3.91	3.91	0.00	5.30	0.00
June	0.12	0.12	0.00	0.00	0.00	0.12	4.25	4.25	0.00	5.30	0.00
July	0.28	0.28	0.00	0.00	0.00	0.28	4.27	4.27	0.00	5.30	0.00
August	0.39	0.38	0.00	0.00	0.00	0.38	4.15	4.15	0.00	5.30	0.00
September	0.26	0.26	0.00	0.00	0.00	0.26	3.54	3.54	0.00	5.30	0.00
	22.85	22.54	3.62	16.0%						Total yield	0.601

Percolation for Montara Subarea

2001-2002

Adjusted San Gregorio data

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.47	0.46	0.00	0.00	0.00	0.46	2.81	2.81	0.00	5.30	0.00
November	6.69	6.60	1.92	0.00	0.00	4.68	1.30	1.30	3.38	5.30	0.00
December	9.26	9.14	3.66	0.00	3.38	8.86	0.98	0.98	7.88	5.30	2.58
January	2.55	2.52	0.09	0.00	5.30	7.72	1.46	1.46	6.26	5.30	0.96
February	2.13	2.10	0.03	0.00	5.30	7.37	1.65	1.65	5.72	5.30	0.42
March	2.54	2.51	0.09	0.00	5.30	7.71	2.44	2.44	5.27	5.30	0.00
April	0.68	0.67	0.00	0.00	5.27	5.94	2.95	2.95	2.99	5.30	0.00
May	0.88	0.87	0.00	0.00	2.99	3.86	3.91	3.91	0.00	5.30	0.00
June	0.23	0.23	0.00	0.00	0.00	0.23	4.25	4.25	0.00	5.30	0.00
July	0.18	0.18	0.00	0.00	0.00	0.18	4.27	4.27	0.00	5.30	0.00
August	0.08	0.08	0.00	0.00	0.00	0.08	4.15	4.15	0.00	5.30	0.00
September	0.17	0.17	0.00	0.00	0.00	0.17	3.54	3.54	0.00	5.30	0.00

25.86 25.51 5.79 22.7% **Total yield** 3.961

2002-2003

Estimate for missing data in red based on San Gregorio data for same period

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.17	0.17	0.00	0.00	0.00	0.17	2.81	2.81	0.00	5.30	0.00
November	2.7	2.66	0.12	0.00	0.00	2.54	1.30	1.30	1.24	5.30	0.00
December	9	8.88	3.47	0.00	1.24	6.65	0.98	0.98	5.67	5.30	0.37
January	1.34	1.32	0.00	0.00	5.30	6.62	1.46	1.46	5.16	5.30	0.00
February	3.46	3.41	0.34	0.00	5.16	8.24	1.65	1.65	6.59	5.30	1.29
March	1.82	1.80	0.00	0.00	5.30	7.09	2.44	2.44	4.65	5.30	0.00
April	5.51	5.44	1.24	0.00	4.65	8.84	2.95	2.95	5.89	5.30	0.59
May	0.88	0.87	0.00	0.00	5.30	6.17	3.91	3.91	2.26	5.30	0.00
June	0.18	0.18	0.00	0.00	2.26	2.44	4.25	4.25	0.00	5.30	0.00
July	0.01	0.01	0.00	0.00	0.00	0.01	4.27	4.27	0.00	5.30	0.00
August	0.04	0.04	0.00	0.00	0.00	0.04	4.15	4.15	0.00	5.30	0.00
September	0.10	0.10	0.00	0.00	0.00	0.10	3.54	3.54	0.00	5.30	0.00

25.21 24.87 5.18 20.8% **Total yield** 2.255

2003-2004

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.22	0.22	0.00	0.00	0.00	0.22	2.81	2.81	0.00	5.30	0.00
November	2.27	2.24	0.05	0.00	0.00	2.19	1.30	1.30	0.89	5.30	0.00
December	8.81	8.69	3.33	0.00	0.89	6.25	0.98	0.98	5.27	5.30	0.00
January	3.33	3.29	0.29	0.00	5.27	8.26	1.46	1.46	6.80	5.30	1.50
February	6.37	6.28	1.73	0.00	5.30	9.85	1.65	1.65	8.20	5.30	2.90
March	1.39	1.37	0.00	0.00	5.30	6.67	2.44	2.44	4.23	5.30	0.00
April	0.31	0.31	0.00	0.00	4.23	4.54	2.95	2.95	1.59	5.30	0.00
May	0.15	0.15	0.00	0.00	1.59	1.74	3.91	3.91	0.00	5.30	0.00
June	0.05	0.05	0.00	0.00	0.00	0.05	4.25	4.25	0.00	5.30	0.00
July	0.34	0.34	0.00	0.00	0.00	0.34	4.27	4.27	0.00	5.30	0.00
August	0.33	0.33	0.00	0.00	0.00	0.33	4.15	4.15	0.00	5.30	0.00
September	0.29	0.29	0.00	0.00	0.00	0.29	3.54	3.54	0.00	5.30	0.00

23.86 23.54 5.40 23.0% **Total yield** 4.408

2004-2005

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	4.6	4.54	0.79	0.00	0.00	3.75	2.81	2.81	0.94	5.30	0.00
November	1.38	1.36	0.00	0.00	0.94	2.30	1.30	1.30	1.00	5.30	0.00
December	8.66	8.54	3.23	0.00	1.00	6.32	0.98	0.98	5.34	5.30	0.04
January	6.11	6.03	1.58	0.00	5.30	9.75	1.46	1.46	8.29	5.30	2.99
February	5.28	5.21	1.12	0.00	5.30	9.39	1.65	1.65	7.74	5.30	2.44
March	5.52	5.45	1.25	0.00	5.30	9.50	2.44	2.44	7.06	5.30	1.76
April	1.69	1.67	0.00	0.00	5.30	6.97	2.95	2.95	4.02	5.30	0.00
May	2.32	2.29	0.05	0.00	4.02	6.25	3.91	3.91	2.34	5.30	0.00
June	1.31	1.29	0.00	0.00	2.34	3.63	4.25	4.25	0.00	5.30	0.00
July		0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August		0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September		0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00

36.87 36.38 8.02 22.0% **Total yield** 7.223

Percolation for Portola Subarea

Percolation Estimates for Portola Area
1950 - 2005

Averages		
Years used in ave	55	
Precipitation	27.047	
Adj. Precipitation	29.167	
Runoff	7.293	25%
Irrigation		0%
Evapotranspiration	16.855	58%
Percolation	4.835	17%

Crop Coeff.	
October	1
November	1
December	1
January	1
February	1
March	1
April	1
May	1
June	1
July	1
August	1
September	1

Soil Water Holding Capacity: (mean value)	5.3
Land Use	S
Contoured Row Crops Range	
Farmsteads	
Fallow Row	
S=	8
Adj. Precip. Facto	1.078363
Irrigation efficient	1

1947-1948	Monthly Input	SCS equation							Available to Recharge		
	in.	in.	in.	(input or calc.) in.	(Initial =0) in.	calc in.	input in.	calc in.	calc in.	in.	in.
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October		0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November		0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December		0.00	0.00	0.00	0.00	0.00	0.98	0.98	0.00	5.30	0.00
January		0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.00	5.30	0.00
February		0.00	0.00	0.00	0.00	0.00	1.65	1.65	0.00	5.30	0.00
March		0.00	0.00	0.00	0.00	0.00	2.44	2.44	0.00	5.30	0.00
April		0.00	0.00	0.00	0.00	0.00	2.95	2.95	0.00	5.30	0.00
May		0.00	0.00	0.00	0.00	0.00	3.91	3.91	0.00	5.30	0.00
June		0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.04	0.04	0.00	0.00	0.00	0.04	3.54	3.54	0.00	5.30	0.00
Totals	0.04	0.04	0.00	0.0%						Total Mean Yield	0.000

1948-1949	Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October		0.55	0.59	0.00	0.00	0.00	0.59	2.81	2.81	0.00	5.30	0.00
November		0.66	0.71	0.00	0.00	0.00	0.71	1.30	1.30	0.00	5.30	0.00
December		4.99	5.38	1.21	0.00	0.00	4.17	0.98	0.98	3.19	5.30	0.00
January		1.73	1.87	0.01	0.00	3.19	5.04	1.46	1.46	3.58	5.30	0.00
February		3.91	4.22	0.64	0.00	3.58	7.16	1.65	1.65	5.51	5.30	0.21
March		4.96	5.35	1.20	0.00	5.30	9.45	2.44	2.44	7.01	5.30	1.71
April		0.00	0.00	0.00	0.00	5.30	5.30	2.95	2.95	2.35	5.30	0.00
May		0.41	0.44	0.00	0.00	2.35	2.79	3.91	3.91	0.00	5.30	0.00
June		0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July		0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August		0.17	0.18	0.00	0.00	0.00	0.18	4.15	4.15	0.00	5.30	0.00
September			0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Totals		17.38	18.74	3.06	16.3%						Total Mean Yield	1.919

1949-1950	Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October		0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November		0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December		0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.98	0.00	5.30	0.00
January		0.00	0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.00	5.30	0.00
February		2.24	2.42	0.08	0.00	0.00	2.34	1.65	1.65	0.69	5.30	0.00
March		1.34	1.45	0.00	0.00	0.69	2.14	2.44	2.44	0.00	5.30	0.00
April		2.12	2.29	0.05	0.00	0.00	2.23	2.95	2.95	0.00	5.30	0.00
May		0.37	0.40	0.00	0.00	0.00	0.40	3.91	3.91	0.00	5.30	0.00
June		0.14	0.15	0.00	0.00	0.00	0.15	4.25	4.25	0.00	5.30	0.00
July		0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August		0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September		0.08	0.09	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00
Totals		6.29	6.78	0.13	1.9%						Total Mean Yield	0.000

1950-1951	Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October		1.95	2.10	0.03	0.00	0.00	2.07	2.81	2.81	0.00	5.30	0.00
November		5.46	5.89	1.50	0.00	0.00	4.39	1.30	1.30	3.09	5.30	0.00
December		8.01	6.48	1.85	0.00	3.09	7.72	0.98	0.98	6.74	5.30	1.44
January		5.11	5.51	1.28	0.00	5.30	9.53	1.46	1.46	8.07	5.30	2.77
February		2.98	3.21	0.27	0.00	5.30	8.24	1.65	1.65	6.59	5.30	1.29
March		2.84	3.06	0.23	0.00	5.30	8.14	2.44	2.44	5.70	5.30	0.40
April		0.91	0.98	0.00	0.00	5.30	6.28	2.95	2.95	3.33	5.30	0.00
May		0.98	1.06	0.00	0.00	3.33	4.39	3.91	3.91	0.48	5.30	0.00
June		0.17	0.18	0.00	0.00	0.48	0.66	4.25	4.25	0.00	5.30	0.00
July		0.12	0.13	0.00	0.00	0.00	0.13	4.27	4.27	0.00	5.30	0.00
August		0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September		0.28	0.30	0.00	0.00	0.00	0.30	3.54	3.54	0.00	5.30	0.00
Totals		26.81	28.91	5.16	17.8%						Total Mean Yield	5.899

Percolation for Portola Subarea

1951-1952

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.16	1.25	0.00	0.00	0.00	1.25	2.81	2.81	0.00	5.30	0.00
November	4.15	4.48	0.76	0.00	0.00	3.72	1.30	1.30	2.42	5.30	0.00
December	11.30	12.19	6.03	0.00	2.42	8.57	0.98	0.98	7.59	5.30	2.29
January	9.31	10.04	4.33	0.00	5.30	11.01	1.46	1.46	9.55	5.30	4.25
February	2.20	2.37	0.07	0.00	5.30	7.60	1.65	1.65	5.95	5.30	0.65
March	6.21	6.70	1.98	0.00	5.30	10.01	2.44	2.44	7.57	5.30	2.27
April	0.62	0.67	0.00	0.00	5.30	5.97	2.95	2.95	3.02	5.30	0.00
May	0.45	0.49	0.00	0.00	3.02	3.50	3.91	3.91	0.00	5.30	0.00
June	1.14	1.23	0.00	0.00	0.00	1.23	4.25	4.25	0.00	5.30	0.00
July	0.03	0.03	0.00	0.00	0.00	0.03	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.15	0.16	0.00	0.00	0.00	0.16	3.54	3.54	0.00	5.30	0.00
	36.72	39.60	13.17	33.3%						Total Mean Yield	9.466

1952-1953

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.27	0.29	0.00	0.00	0.00	0.29	2.81	2.81	0.00	5.30	0.00
November	2.66	2.87	0.17	0.00	0.00	2.69	1.30	1.30	1.39	5.30	0.00
December	11.36	12.25	6.08	0.00	1.39	7.56	0.98	0.98	6.58	5.30	1.28
January	4.55	4.91	0.97	0.00	5.30	9.24	1.46	1.46	7.78	5.30	2.48
February		0.00	0.00	0.00	5.30	5.30	1.65	1.65	3.65	5.30	0.00
March		0.00	0.00	0.00	3.65	3.65	2.44	2.44	1.21	5.30	0.00
April	3.17	3.42	0.34	0.00	1.21	4.29	2.95	2.95	1.34	5.30	0.00
May	0.60	0.65	0.00	0.00	1.34	1.99	3.91	3.91	0.00	5.30	0.00
June	0.56	0.60	0.00	0.00	0.00	0.60	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.53	0.57	0.00	0.00	0.00	0.57	4.15	4.15	0.00	5.30	0.00
September	0.12	0.13	0.00	0.00	0.00	0.13	3.54	3.54	0.00	5.30	0.00
	23.82	25.69	7.56	29.4%						Total Mean Yield	3.763

1953-1954

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.67	0.72	0.00	0.00	0.00	0.72	2.81	2.81	0.00	5.30	0.00
November	3.33	3.59	0.40	0.00	0.00	3.19	1.30	1.30	1.89	5.30	0.00
December	1.04	1.12	0.00	0.00	1.89	3.02	0.98	0.98	2.04	5.30	0.00
January	4.18	4.51	0.78	0.00	2.04	5.77	1.46	1.46	4.31	5.30	0.00
February	2.58	2.78	0.15	0.00	4.31	6.94	1.65	1.65	5.29	5.30	0.00
March	5.03	5.42	1.24	0.00	5.29	9.48	2.44	2.44	7.04	5.30	1.74
April	1.49	1.61	0.00	0.00	5.30	6.91	2.95	2.95	3.96	5.30	0.00
May	0.06	0.06	0.00	0.00	3.96	4.02	3.91	3.91	0.11	5.30	0.00
June	0.64	0.69	0.00	0.00	0.11	0.80	4.25	4.25	0.00	5.30	0.00
July	0.10	0.11	0.00	0.00	0.00	0.11	4.27	4.27	0.00	5.30	0.00
August	0.55	0.59	0.00	0.00	0.00	0.59	4.15	4.15	0.00	5.30	0.00
September	0.08	0.09	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00
	19.75	21.30	2.56	12.0%						Total Mean Yield	1.736

1954-1955

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.23	0.25	0.00	0.00	0.00	0.25	2.81	2.81	0.00	5.30	0.00
November	1.96	2.11	0.03	0.00	0.00	2.08	1.30	1.30	0.78	5.30	0.00
December	4.53	4.88	0.96	0.00	0.78	4.71	0.98	0.98	3.73	5.30	0.00
January	5.06	5.46	1.25	0.00	3.73	7.93	1.46	1.46	6.47	5.30	1.17
February	1.37	1.48	0.00	0.00	5.30	6.78	1.65	1.65	5.13	5.30	0.00
March	0.28	0.30	0.00	0.00	5.13	5.43	2.44	2.44	2.99	5.30	0.00
April	2.60	2.80	0.16	0.00	2.99	5.64	2.95	2.95	2.69	5.30	0.00
May	0.36	0.39	0.00	0.00	2.69	3.07	3.91	3.91	0.00	5.30	0.00
June	0.07	0.08	0.00	0.00	0.00	0.08	4.25	4.25	0.00	5.30	0.00
July	0.17	0.18	0.00	0.00	0.00	0.18	4.27	4.27	0.00	5.30	0.00
August	0.12	0.13	0.00	0.00	0.00	0.13	4.15	4.15	0.00	5.30	0.00
September	0.28	0.30	0.00	0.00	0.00	0.30	3.54	3.54	0.00	5.30	0.00
	17.03	18.36	2.40	13.1%						Total Mean Yield	1.173

1955-1956

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.21	0.23	0.00	0.00	0.00	0.23	2.81	2.81	0.00	5.30	0.00
November	2.32	2.50	0.09	0.00	0.00	2.41	1.30	1.30	1.11	5.30	0.00
December	13.81	14.89	8.30	0.00	1.11	7.70	0.98	0.98	6.72	5.30	1.42
January	11.38	12.27	6.10	0.00	5.30	11.47	1.46	1.46	10.01	5.30	4.71
February	2.81	3.03	0.22	0.00	5.30	8.11	1.65	1.65	6.46	5.30	1.16
March	0.00	0.00	0.00	0.00	5.30	5.30	2.44	2.44	2.86	5.30	0.00
April	1.88	2.03	0.02	0.00	2.86	4.87	2.95	2.95	1.92	5.30	0.00
May	1.37	1.48	0.00	0.00	1.92	3.39	3.91	3.91	0.00	5.30	0.00
June	0.07	0.08	0.00	0.00	0.00	0.08	4.25	4.25	0.00	5.30	0.00
July	0.25	0.27	0.00	0.00	0.00	0.27	4.27	4.27	0.00	5.30	0.00
August	0.45	0.49	0.00	0.00	0.00	0.49	4.15	4.15	0.00	5.30	0.00
September	0.45	0.49	0.00	0.00	0.00	0.49	3.54	3.54	0.00	5.30	0.00
	35.00	37.74	14.73	39.0%						Total Mean Yield	7.300

Percolation for Portola Subarea

1956-1957

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.75	1.89	0.01	0.00	0.00	1.88	2.81	2.81	0.00	5.30	0.00
November	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	0.57	0.61	0.00	0.00	0.00	0.61	0.98	0.98	0.00	5.30	0.00
January	3.31	3.57	0.39	0.00	0.00	3.18	1.46	1.46	1.72	5.30	0.00
February	4.42	4.77	0.90	0.00	1.72	5.59	1.65	1.65	3.94	5.30	0.00
March	5.98	6.45	1.83	0.00	3.94	8.56	2.44	2.44	6.12	5.30	0.82
April	1.65	1.78	0.00	0.00	5.30	7.08	2.95	2.95	4.13	5.30	0.00
May	4.10	4.42	0.74	0.00	4.13	7.81	3.91	3.91	3.90	5.30	0.00
June	0.08	0.09	0.00	0.00	3.90	3.99	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.08	0.09	0.00	0.00	0.00	0.09	4.15	4.15	0.00	5.30	0.00
September	1.08	1.16	0.00	0.00	0.00	1.16	3.54	3.54	0.00	5.30	0.00

23.02 24.82 3.87 15.6% Total Mean Yield 0.818

1957-1958

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.17	3.42	0.34	0.00	0.00	3.08	2.81	2.81	0.27	5.30	0.00
November	1.78	1.92	0.01	0.00	0.27	2.18	1.30	1.30	0.88	5.30	0.00
December	3.88	4.18	0.63	0.00	0.88	4.43	0.98	0.98	3.45	5.30	0.00
January	6.23	6.72	2.00	0.00	3.45	8.17	1.46	1.46	6.71	5.30	1.41
February	10.79	11.64	5.58	0.00	5.30	11.35	1.65	1.65	9.70	5.30	4.40
March	9.38	10.12	4.39	0.00	5.30	11.02	2.44	2.44	8.58	5.30	3.28
April	5.83	6.29	1.73	0.00	5.30	9.86	2.95	2.95	6.91	5.30	1.61
May	0.68	0.73	0.00	0.00	5.30	6.03	3.91	3.91	2.12	5.30	0.00
June	0.71	0.77	0.00	0.00	2.12	2.89	4.25	4.25	0.00	5.30	0.00
July	0.38	0.41	0.00	0.00	0.00	0.41	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.18	0.19	0.00	0.00	0.00	0.19	3.54	3.54	0.00	5.30	0.00

43.01 46.38 14.68 31.7% Total Mean Yield 10.705

1958-1959

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.27	0.29	0.00	0.00	0.00	0.29	2.81	2.81	0.00	5.30	0.00
November	0.50	0.54	0.00	0.00	0.00	0.54	1.30	1.30	0.00	5.30	0.00
December	1.89	2.04	0.02	0.00	0.00	2.02	0.98	0.98	1.04	5.30	0.00
January	5.07	5.47	1.26	0.00	1.04	5.24	1.46	1.46	3.78	5.30	0.00
February	5.64	6.08	1.61	0.00	3.78	8.25	1.65	1.65	6.60	5.30	1.30
March	0.64	0.69	0.00	0.00	5.30	5.99	2.44	2.44	3.55	5.30	0.00
April	0.42	0.45	0.00	0.00	3.55	4.00	2.95	2.95	1.05	5.30	0.00
May	0.36	0.39	0.00	0.00	1.05	1.44	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.21	0.23	0.00	0.00	0.00	0.23	4.15	4.15	0.00	5.30	0.00
September	3.66	3.95	0.53	0.00	0.00	3.41	3.54	3.54	0.00	5.30	0.00

18.66 20.12 3.42 17.0% Total yield 1.305

1959-1960

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.40	0.43	0.00	0.00	0.00	0.43	2.81	2.81	0.00	5.30	0.00
November	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	1.97	2.12	0.03	0.00	0.00	2.09	0.98	0.98	1.11	5.30	0.00
January	5.29	5.70	1.39	0.00	1.11	5.42	1.46	1.46	3.96	5.30	0.00
February	4.66	5.03	1.03	0.00	3.96	7.96	1.65	1.65	6.31	5.30	1.01
March	1.90	2.05	0.02	0.00	5.30	7.33	2.44	2.44	4.89	5.30	0.00
April	1.27	1.37	0.00	0.00	4.89	6.25	2.95	2.95	3.30	5.30	0.00
May	0.71	0.77	0.00	0.00	3.30	4.07	3.91	3.91	0.16	5.30	0.00
June	0.00	0.00	0.00	0.00	0.16	0.16	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00

16.20 17.47 2.47 14.2% Total yield 1.013

1960-1961

Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.88	0.95	0.00	0.00	0.00	0.95	2.81	2.81	0.00	5.30	0.00
November	5.12	5.52	1.29	0.00	0.00	4.23	1.30	1.30	2.93	5.30	0.00
December	1.70	1.83	0.01	0.00	2.93	4.76	0.98	0.98	3.78	5.30	0.00
January	2.98	3.21	0.27	0.00	3.78	6.72	1.46	1.46	5.26	5.30	0.00
February	1.89	2.04	0.02	0.00	5.26	7.28	1.65	1.65	5.63	5.30	0.33
March	3.25	3.50	0.37	0.00	5.30	8.44	2.44	2.44	6.00	5.30	0.70
April	1.06	1.14	0.00	0.00	5.30	6.44	2.95	2.95	3.49	5.30	0.00
May	1.73	1.87	0.01	0.00	3.49	5.35	3.91	3.91	1.44	5.30	0.00
June	0.22	0.24	0.00	0.00	1.44	1.68	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.10	0.11	0.00	0.00	0.00	0.11	4.15	4.15	0.00	5.30	0.00
September	0.57	0.61	0.00	0.00	0.00	0.61	3.54	3.54	0.00	5.30	0.00

19.50 21.03 1.96 9.3% Total yield 1.025

Percolation for Portola Subarea

1961-1962											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.12	0.13	0.00	0.00	0.00	0.13	2.81	2.81	0.00	5.30	0.00
November	3.66	3.95	0.53	0.00	0.00	3.41	1.30	1.30	2.11	5.30	0.00
December	3.18	3.43	0.34	0.00	0.00	2.11	0.98	0.98	4.22	5.30	0.00
January	2.09	2.25	0.05	0.00	4.22	6.43	1.46	1.46	4.97	5.30	0.00
February	8.64	9.32	3.79	0.00	4.97	10.50	1.65	1.65	8.85	5.30	3.55
March	3.52	3.80	0.47	0.00	5.30	8.62	2.44	2.44	6.18	5.30	0.88
April	0.82	0.88	0.00	0.00	5.30	6.18	2.95	2.95	3.23	5.30	0.00
May	0.24	0.26	0.00	0.00	3.23	3.49	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.29	0.31	0.00	0.00	0.00	0.31	4.15	4.15	0.00	5.30	0.00
September	0.51	0.55	0.00	0.00	0.00	0.55	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											4.429
23.07		24.88		5.18		20.8%					

1962-1963											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	10.97	11.83	5.74	0.00	0.00	6.09	2.81	2.81	3.28	5.30	0.00
November	0.60	0.65	0.00	0.00	3.28	3.93	1.30	1.30	2.63	5.30	0.00
December	3.57	3.85	0.49	0.00	2.63	5.98	0.98	0.98	5.00	5.30	0.00
January	3.44	3.71	0.44	0.00	5.00	8.27	1.46	1.46	6.81	5.30	1.51
February	3.65	3.94	0.53	0.00	5.30	8.71	1.65	1.65	7.06	5.30	1.76
March	4.33	4.67	0.85	0.00	5.30	9.12	2.44	2.44	6.68	5.30	1.38
April	5.08	5.48	1.27	0.00	5.30	9.51	2.95	2.95	6.56	5.30	1.26
May	0.64	0.69	0.00	0.00	5.30	5.99	3.91	3.91	2.08	5.30	0.00
June	0.00	0.00	0.00	0.00	2.08	2.08	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.03	0.03	0.00	0.00	0.00	0.03	4.15	4.15	0.00	5.30	0.00
September	0.09	0.10	0.00	0.00	0.00	0.10	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											5.910
32.40		34.94		9.32		26.7%					

1963-1964											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.48	2.67	0.13	0.00	0.00	2.55	2.81	2.81	0.00	5.30	0.00
November	4.00	4.31	0.69	0.00	0.00	3.63	1.30	1.30	2.33	5.30	0.00
December	1.04	1.12	0.00	0.00	2.33	3.45	0.98	0.98	2.47	5.30	0.00
January	5.32	5.74	1.41	0.00	2.47	6.79	1.46	1.46	5.33	5.30	0.03
February	0.52	0.56	0.00	0.00	5.30	5.88	1.65	1.65	4.21	5.30	0.00
March	2.46	2.65	0.12	0.00	4.21	6.74	2.44	2.44	4.30	5.30	0.00
April	0.23	0.25	0.00	0.00	4.30	4.55	2.95	2.95	1.60	5.30	0.00
May	0.47	0.51	0.00	0.00	1.60	2.11	3.91	3.91	0.00	5.30	0.00
June	0.58	0.63	0.00	0.00	0.00	0.63	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											0.035
17.10		18.44		2.35		12.7%					

1964-1965											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.89	2.04	0.02	0.00	0.00	2.02	2.81	2.81	0.00	5.30	0.00
November	3.11	3.35	0.32	0.00	0.00	3.04	1.30	1.30	1.74	5.30	0.00
December	7.50	8.09	2.91	0.00	1.74	6.92	0.98	0.98	5.94	5.30	0.64
January	4.41	4.76	0.89	0.00	5.30	9.16	1.46	1.46	7.70	5.30	2.40
February	1.40	1.51	0.00	0.00	5.30	6.81	1.65	1.65	5.16	5.30	0.00
March	1.58	1.70	0.00	0.00	5.16	6.86	2.44	2.44	4.42	5.30	0.00
April	5.22	5.63	1.35	0.00	4.42	8.70	2.95	2.95	5.75	5.30	0.45
May	0.00	0.00	0.00	0.00	5.30	5.30	3.91	3.91	1.39	5.30	0.00
June	0.06	0.06	0.00	0.00	1.39	1.45	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.23	0.25	0.00	0.00	0.00	0.25	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											3.496
25.40		27.39		5.49		20.0%					

1965-1966											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November	5.58	6.02	1.57	0.00	0.00	4.45	1.30	1.30	3.15	5.30	0.00
December	4.96	5.35	1.20	0.00	3.15	7.30	0.98	0.98	6.32	5.30	1.02
January	3.77	4.07	0.58	0.00	5.30	8.78	1.46	1.46	7.32	5.30	2.02
February	3.51	3.79	0.47	0.00	5.30	8.62	1.65	1.65	6.97	5.30	1.67
March	0.68	0.73	0.00	0.00	5.30	6.03	2.44	2.44	3.59	5.30	0.00
April	0.71	0.77	0.00	0.00	3.59	4.36	2.95	2.95	1.41	5.30	0.00
May	0.20	0.22	0.00	0.00	1.41	1.62	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.12	0.13	0.00	0.00	0.00	0.13	4.27	4.27	0.00	5.30	0.00
August	0.27	0.29	0.00	0.00	0.00	0.29	4.15	4.15	0.00	5.30	0.00
September	0.25	0.27	0.00	0.00	0.00	0.27	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											4.709
20.05		21.62		3.82		17.7%					

Percolation for Portola Subarea

1966-1967												
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation	
			0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00	
October	0.00	0.00	0.00	0.00	0.00	0.00	4.26	1.30	2.96	5.30	0.00	
November	5.18	5.59	1.33	0.00	0.00	2.96	6.35	0.98	5.37	5.30	0.07	
December	3.62	3.90	0.52	0.00	5.30	11.28	1.46	1.46	9.82	5.30	4.52	
January	10.44	11.26	5.28	0.00	5.30	5.57	1.65	1.65	3.92	5.30	0.00	
February	0.25	0.27	0.00	0.00	3.92	8.62	2.44	2.44	6.18	5.30	0.88	
March	6.18	6.66	1.96	0.00	5.30	10.46	2.95	2.95	7.51	5.30	2.21	
April	7.43	8.01	2.85	0.00	5.30	5.57	3.91	3.91	1.66	5.30	0.00	
May	0.25	0.27	0.00	0.00	5.30	3.21	4.25	4.25	0.00	5.30	0.00	
June	1.44	1.55	0.00	0.00	1.66	0.00	4.27	4.27	0.00	5.30	0.00	
July	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00	
August	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00	
September	0.00	0.00	0.00	0.00	0.00	0.00						
Total Mean Yield											7.675	
34.79 37.52 11.94 31.8%												

1967-1968												
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation	
			0.00	0.00	0.00	0.82	2.81	2.81	0.00	5.30	0.00	
October	0.76	0.82	0.00	0.00	0.00	2.24	1.30	1.30	0.94	5.30	0.00	
November	2.13	2.30	0.06	0.00	0.94	3.82	0.98	0.98	2.84	5.30	0.00	
December	2.89	3.12	0.24	0.00	2.84	7.54	1.46	1.46	6.08	5.30	0.78	
January	6.19	6.68	1.97	0.00	5.30	7.96	1.65	1.65	6.31	5.30	1.01	
February	2.62	2.83	0.16	0.00	5.30	9.83	2.44	2.44	7.39	5.30	2.09	
March	5.78	6.23	1.70	0.00	5.30	5.96	2.95	2.95	3.01	5.30	0.00	
April	0.61	0.66	0.00	0.00	3.01	3.27	3.91	3.91	0.00	5.30	0.00	
May	0.24	0.26	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00	
June	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00	
July	0.00	0.00	0.00	0.00	0.00	0.30	4.15	4.15	0.00	5.30	0.00	
August	0.28	0.30	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00	
September	0.00	0.00	0.00	0.00	0.00	0.00						
Total Mean Yield											3.888	
21.50 23.18 4.13 17.8%												

1968-1969												
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation	
			0.00	0.00	0.00	0.70	2.81	2.81	0.00	5.30	0.00	
October	0.65	0.70	0.00	0.00	0.00	2.72	1.30	1.30	1.42	5.30	0.00	
November	2.89	2.90	0.18	0.00	1.42	6.00	0.98	0.98	5.02	5.30	0.00	
December	5.90	6.36	1.78	0.00	5.02	10.38	1.46	1.46	8.92	5.30	3.62	
January	8.06	8.69	3.33	0.00	5.30	10.84	1.65	1.65	9.19	5.30	3.89	
February	8.88	9.36	3.82	0.00	5.30	7.49	2.44	2.44	5.05	5.30	0.00	
March	2.07	2.23	0.05	0.00	5.05	7.82	2.95	2.95	4.87	5.30	0.00	
April	2.76	2.98	0.20	0.00	4.87	4.93	3.91	3.91	1.02	5.30	0.00	
May	0.06	0.06	0.00	0.00	1.02	1.46	4.25	4.25	0.00	5.30	0.00	
June	0.40	0.43	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00	
July	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00	
August	0.00	0.00	0.00	0.00	0.00	0.23	3.54	3.54	0.00	5.30	0.00	
September	0.21	0.23	0.00	0.00	0.00	0.00						
Total Mean Yield											7.512	
31.48 33.95 9.36 27.6%												

1969-1970												
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation	
			0.01	0.00	0.00	1.86	2.81	2.81	0.00	5.30	0.00	
October	1.73	1.87	0.01	0.00	0.00	0.82	1.30	1.30	0.00	5.30	0.00	
November	0.76	0.82	0.00	0.00	0.00	3.94	0.98	0.98	2.96	5.30	0.00	
December	4.55	4.91	0.97	0.00	2.96	8.45	1.46	1.46	6.99	5.30	1.69	
January	8.49	9.16	3.67	0.00	5.30	7.70	1.65	1.65	6.05	5.30	0.75	
February	2.31	2.49	0.09	0.00	5.30	7.46	2.44	2.44	5.02	5.30	0.00	
March	2.04	2.20	0.04	0.00	5.02	5.36	2.95	2.95	2.41	5.30	0.00	
April	0.32	0.35	0.00	0.00	2.41	2.70	3.91	3.91	0.00	5.30	0.00	
May	0.27	0.29	0.00	0.00	0.00	0.23	4.25	4.25	0.00	5.30	0.00	
June	0.21	0.23	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00	
July	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00	
August	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00	
September	0.00	0.00	0.00	0.00	0.00	0.00						
Total Mean Yield											2.437	
20.68 22.30 4.78 21.4%												

1970-1971												
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation	
			0.00	0.00	0.00	0.97	2.81	2.81	0.00	5.30	0.00	
October	0.90	0.97	0.00	0.00	0.00	5.46	1.30	1.30	4.16	5.30	0.00	
November	8.41	9.07	3.61	0.00	4.16	9.40	0.98	0.98	8.42	5.30	3.12	
December	7.57	8.27	3.03	0.00	5.30	7.03	1.46	1.46	5.57	5.30	0.27	
January	1.61	1.74	0.00	0.00	5.30	6.12	1.65	1.65	4.47	5.30	0.00	
February	0.76	0.82	0.00	0.00	5.30	6.12	1.65	1.65	5.33	5.30	0.03	
March	3.49	3.76	0.46	0.00	4.47	7.77	2.44	2.44	5.33	5.30	0.00	
April	1.51	1.63	0.00	0.00	5.30	6.93	2.95	2.95	3.98	5.30	0.00	
May	0.53	0.57	0.00	0.00	3.98	4.55	3.91	3.91	0.64	5.30	0.00	
June	0.08	0.09	0.00	0.00	0.64	0.73	4.25	4.25	0.00	5.30	0.00	
July	0.28	0.30	0.00	0.00	0.00	0.30	4.27	4.27	0.00	5.30	0.00	
August	0.36	0.39	0.00	0.00	0.00	0.39	4.15	4.15	0.00	5.30	0.00	
September	0.40	0.43	0.00	0.00	0.00	0.43	3.54	3.54	0.00	5.30	0.00	
Total Mean Yield											3.427	
26.00 28.04 7.10 25.3%												

Percolation for Portola Subarea

1971-1972											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.23	0.25	0.00	0.00	0.00	4.98	2.81	2.81	0.00	5.30	0.00
November	2.29	2.47	0.09	0.00	0.00	2.38	1.30	1.30	1.08	5.30	0.00
December	5.10	5.50	1.28	0.00	1.08	5.31	0.98	0.98	4.33	5.30	0.00
January	1.27	1.37	0.00	0.00	4.33	5.70	1.46	1.46	4.24	5.30	0.00
February	1.33	1.43	0.00	0.00	4.24	5.67	1.65	1.65	4.02	5.30	0.00
March	0.19	0.20	0.00	0.00	4.02	4.22	2.44	2.44	1.78	5.30	0.00
April	1.25	1.35	0.00	0.00	1.78	3.13	2.95	2.95	0.18	5.30	0.00
May	0.11	0.12	0.00	0.00	0.18	0.30	4.25	4.25	0.00	5.30	0.00
June	0.28	0.30	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
September	0.98	1.06	0.00	0.00	0.00	1.06					
Total Mean Yield											0.000
13.03 14.05 1.36 9.7%											

1972-1973											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	6.90	7.44	2.46	0.00	0.00	4.98	2.81	2.81	2.17	5.30	0.00
November	6.49	7.00	2.18	0.00	2.17	6.99	1.30	1.30	5.69	5.30	0.39
December	3.17	3.42	0.34	0.00	5.30	8.38	0.98	0.98	7.40	5.30	2.10
January	8.78	9.47	3.90	0.00	5.30	10.87	1.46	1.46	9.41	5.30	4.11
February	7.33	7.90	2.78	0.00	5.30	10.43	1.65	1.65	8.78	5.30	3.48
March	0.00	0.00	0.00	0.00	5.30	5.30	2.44	2.44	2.86	5.30	0.00
April	0.23	0.25	0.00	0.00	2.86	3.11	2.95	2.95	0.16	5.30	0.00
May	0.21	0.23	0.00	0.00	0.16	0.38	3.91	3.91	0.00	5.30	0.00
June	0.05	0.05	0.00	0.00	0.00	0.05	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.09	0.10	0.00	0.00	0.00	0.10	4.15	4.15	0.00	5.30	0.00
September	0.62	0.67	0.00	0.00	0.00	0.67	3.54	3.54	0.00	5.30	0.00
Total yield											10.074
33.87 36.52 11.66 31.9%											

1973-1974											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.04	3.28	0.29	0.00	0.00	2.99	2.81	2.81	0.18	5.30	0.00
November	9.50	10.24	4.49	0.00	0.18	5.93	1.30	1.30	4.63	5.30	0.00
December	6.32	6.82	2.06	0.00	4.63	9.39	0.98	0.98	8.41	5.30	3.11
January	4.87	5.25	1.14	0.00	5.30	9.41	1.46	1.46	7.95	5.30	2.65
February	2.16	2.33	0.06	0.00	5.30	7.57	1.65	1.65	5.92	5.30	0.62
March	7.20	7.76	2.68	0.00	5.30	10.38	2.44	2.44	7.94	5.30	2.64
April	3.22	3.47	0.36	0.00	5.30	8.42	2.95	2.95	5.47	5.30	0.17
May	0.01	0.01	0.00	0.00	5.30	5.31	3.91	3.91	1.40	5.30	0.00
June	0.50	0.54	0.00	0.00	1.40	1.94	4.25	4.25	0.00	5.30	0.00
July	1.01	1.09	0.00	0.00	0.00	1.09	4.27	4.27	0.00	5.30	0.00
August	0.13	0.14	0.00	0.00	0.00	0.14	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total yield											9.184
37.96 40.93 11.08 27.1%											

1974-1975											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.36	1.47	0.00	0.00	0.00	1.47	2.81	2.81	0.00	5.30	0.00
November	0.64	0.69	0.00	0.00	0.00	0.69	1.30	1.30	0.00	5.30	0.00
December	3.64	3.93	0.52	0.00	0.00	3.40	0.98	0.98	2.42	5.30	0.00
January	2.95	3.18	0.26	0.00	2.42	5.34	1.46	1.46	3.88	5.30	0.00
February	4.88	5.26	1.15	0.00	3.88	7.99	1.65	1.65	6.34	5.30	1.04
March	7.11	7.67	2.62	0.00	5.30	10.35	2.44	2.44	7.91	5.30	2.61
April	2.14	2.31	0.06	0.00	5.30	7.55	2.95	2.95	4.60	5.30	0.00
May	0.10	0.11	0.00	0.00	4.60	4.71	3.91	3.91	0.80	5.30	0.00
June	0.28	0.30	0.00	0.00	0.80	1.10	4.25	4.25	0.00	5.30	0.00
July	0.52	0.56	0.00	0.00	0.00	0.56	4.27	4.27	0.00	5.30	0.00
August	0.59	0.64	0.00	0.00	0.00	0.64	4.15	4.15	0.00	5.30	0.00
September	0.02	0.02	0.00	0.00	0.00	0.02	3.54	3.54	0.00	5.30	0.00
Total yield											3.655
24.23 26.13 4.61 17.6%											

1975-1976											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	4.49	4.84	0.93	0.00	0.00	3.91	2.81	2.81	1.10	5.30	0.00
November	0.85	0.92	0.00	0.00	1.10	2.01	1.30	1.30	0.71	5.30	0.00
December	0.69	0.74	0.00	0.00	0.71	1.46	0.98	0.98	0.48	5.30	0.00
January	0.52	0.56	0.00	0.00	0.48	1.04	1.46	1.46	0.00	5.30	0.00
February	2.54	2.74	0.14	0.00	0.00	2.60	1.65	1.65	0.95	5.30	0.00
March	1.13	1.22	0.00	0.00	0.95	2.17	2.44	2.44	0.00	5.30	0.00
April	2.04	2.20	0.04	0.00	0.00	2.16	2.95	2.95	0.00	5.30	0.00
May	0.13	0.14	0.00	0.00	0.00	0.14	3.91	3.91	0.00	5.30	0.00
June	0.04	0.04	0.00	0.00	0.00	0.04	4.25	4.25	0.00	5.30	0.00
July	0.14	0.15	0.00	0.00	0.00	0.15	4.27	4.27	0.00	5.30	0.00
August	1.56	1.68	0.00	0.00	0.00	1.68	4.15	4.15	0.00	5.30	0.00
September	0.59	0.64	0.00	0.00	0.00	0.64	3.54	3.54	0.00	5.30	0.00
Total yield											0.000
14.72 15.87 1.12 7.1%											

Percolation for Portola Subarea

1976-1977											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	0.32	2.81	2.81	0.00	5.30	0.00
October	0.30	0.32	0.00	0.00	0.00	1.86	1.30	1.30	0.56	5.30	0.00
November	1.73	1.87	0.01	0.00	0.00	3.05	0.98	0.98	2.07	5.30	0.00
December	2.41	2.60	0.11	0.00	0.00	2.07	1.46	1.46	2.96	5.30	0.00
January	2.26	2.44	0.08	0.00	2.96	4.38	1.65	1.65	2.73	5.30	0.00
February	1.31	1.41	0.00	0.00	2.73	5.79	2.44	2.44	3.35	5.30	0.00
March	3.15	3.40	0.33	0.00	3.35	3.57	2.95	2.95	0.62	5.30	0.00
April	0.20	0.22	0.00	0.00	0.62	1.94	3.91	3.91	0.00	5.30	0.00
May	1.23	1.33	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.17	4.27	4.27	0.00	5.30	0.00
July	0.16	0.17	0.00	0.00	0.00	0.29	4.15	4.15	0.00	5.30	0.00
August	0.27	0.29	0.00	0.00	0.00	1.71	3.54	3.54	0.00	5.30	0.00
September	1.59	1.71	0.00	0.00	0.00						
Total yield											0.000
14.61		15.75		0.53		3.4%					

1977-1978											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	0.51	2.81	2.81	0.00	5.30	0.00
October	0.47	0.51	0.00	0.00	0.00	3.22	1.30	1.30	1.92	5.30	0.00
November	3.37	3.63	0.41	0.00	0.00	6.38	0.98	0.98	5.40	5.30	0.10
December	5.60	6.04	1.58	0.00	1.92	10.93	1.46	1.46	9.47	5.30	4.17
January	9.01	9.72	4.09	0.00	5.30	9.76	1.65	1.65	8.11	5.30	2.81
February	5.62	6.06	1.60	0.00	5.30	9.75	2.44	2.44	7.31	5.30	2.01
March	5.58	6.02	1.57	0.00	5.30	9.21	2.95	2.95	6.26	5.30	0.96
April	4.50	4.85	0.94	0.00	5.30	5.30	3.91	3.91	1.39	5.30	0.00
May	0.00	0.00	0.00	0.00	1.39	1.39	4.25	4.25	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00						
Total yield											10.047
34.15		36.83		10.19		27.7%					

1978-1979											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	0.05	2.81	2.81	0.00	5.30	0.00
October	0.05	0.05	0.00	0.00	0.00	2.99	1.30	1.30	1.69	5.30	0.00
November	3.04	3.28	0.29	0.00	0.00	2.58	0.98	0.98	1.60	5.30	0.00
December	0.83	0.90	0.00	0.00	1.69	6.98	1.46	1.46	5.52	5.30	0.22
January	8.11	8.75	3.37	0.00	1.60	10.04	1.65	1.65	8.39	5.30	3.09
February	6.27	6.76	2.02	0.00	5.30	9.39	2.44	2.44	6.95	5.30	1.65
March	4.83	5.21	1.12	0.00	5.30	6.26	2.95	2.95	3.31	5.30	0.00
April	0.89	0.96	0.00	0.00	3.31	4.23	3.91	3.91	0.32	5.30	0.00
May	0.85	0.92	0.00	0.00	0.32	0.32	4.25	4.25	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.31	4.27	4.27	0.00	5.30	0.00
July	0.29	0.31	0.00	0.00	0.00	0.14	4.15	4.15	0.00	5.30	0.00
August	0.13	0.14	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00						
Total yield											4.951
25.29		27.27		6.81		25.0%					

1979-1980											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	3.12	2.81	2.81	0.31	5.30	0.00
October	3.23	3.48	0.36	0.00	0.00	3.92	1.30	1.30	2.62	5.30	0.00
November	3.97	4.28	0.67	0.00	0.31	7.15	0.98	0.98	6.17	5.30	0.87
December	5.76	6.21	1.69	0.00	2.62	9.66	1.46	1.46	8.20	5.30	2.90
January	5.40	5.82	1.46	0.00	5.30	10.48	1.65	1.65	8.83	5.30	3.53
February	7.49	8.08	2.90	0.00	5.30	7.33	2.44	2.44	4.89	5.30	0.00
March	1.90	2.05	0.02	0.00	4.89	6.89	2.95	2.95	3.94	5.30	0.00
April	1.88	2.03	0.02	0.00	3.94	4.29	3.91	3.91	0.38	5.30	0.00
May	0.32	0.35	0.00	0.00	0.38	0.41	4.25	4.25	0.00	5.30	0.00
June	0.03	0.03	0.00	0.00	0.00	0.08	4.27	4.27	0.00	5.30	0.00
July	0.07	0.08	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
August	0.05	0.05	0.00	0.00	0.00	0.19	3.54	3.54	0.00	5.30	0.00
September	0.18	0.19	0.00	0.00	0.00						
Total yield											7.301
30.28		32.65		7.12		21.8%					

1980-1981											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	0.19	2.81	2.81	0.00	5.30	0.00
October	0.18	0.19	0.00	0.00	0.00	0.70	1.30	1.30	0.00	5.30	0.00
November	0.65	0.70	0.00	0.00	0.00	2.51	0.98	0.98	1.53	5.30	0.00
December	2.44	2.63	0.12	0.00	0.00	6.71	1.46	1.46	5.25	5.30	0.00
January	7.48	8.07	2.89	0.00	1.53	9.66	1.65	1.65	6.10	5.30	0.80
February	2.42	2.61	0.11	0.00	5.25	7.75	2.44	2.44	6.88	5.30	1.58
March	4.71	5.08	1.05	0.00	5.30	9.32	2.95	2.95	2.61	5.30	0.00
April	0.24	0.26	0.00	0.00	5.30	5.56	3.91	3.91	0.00	5.30	0.00
May	0.33	0.36	0.00	0.00	2.61	2.96	4.25	4.25	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.45	4.15	4.15	0.00	5.30	0.00
August	0.42	0.45	0.00	0.00	0.00	0.40	3.54	3.54	0.00	5.30	0.00
September	0.37	0.40	0.00	0.00	0.00						
Total yield											2.380
19.24		20.75		4.18		20.1%					

Percolation for Portola Subarea

1981-1982											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.98	4.29	0.68	0.00	0.00	3.61	2.81	2.81	0.80	5.30	0.00
November	7.08	7.63	2.59	0.00	0.80	5.84	1.30	1.30	4.54	5.30	0.00
December	6.00	6.47	1.84	0.00	4.54	9.17	0.98	0.98	8.19	5.30	2.89
January	12.01	12.95	6.66	0.00	5.30	11.59	1.46	1.46	10.13	5.30	4.83
February	5.11	5.51	1.28	0.00	5.30	10.61	2.44	2.44	8.17	5.30	2.87
March	7.91	8.53	3.22	0.00	5.30	9.48	2.95	2.95	6.53	5.30	1.23
April	5.02	5.41	1.23	0.00	5.30	5.30	3.91	3.91	1.39	5.30	0.00
May	0.00	0.00	0.00	0.00	1.39	1.84	4.25	4.25	0.00	5.30	0.00
June	0.42	0.45	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.16	4.15	4.15	0.00	5.30	0.00
August	0.15	0.16	0.00	0.00	0.00	1.86	3.54	3.54	0.00	5.30	0.00
September	1.73	1.87	0.01	0.00	0.00						
Total yield											14.406
49.41 53.28 17.51 32.9%											

1982-1983											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.82	4.12	0.60	0.00	0.00	3.52	2.81	2.81	0.71	5.30	0.00
November	7.03	7.58	2.56	0.00	0.71	5.73	1.30	1.30	4.43	5.30	0.00
December	5.41	5.83	1.47	0.00	4.43	8.80	0.98	0.98	7.82	5.30	2.52
January	8.98	9.68	4.06	0.00	5.30	10.92	1.46	1.46	9.46	5.30	4.16
February	9.14	9.86	4.19	0.00	5.30	10.96	1.65	1.65	9.31	5.30	4.01
March	13.05	14.07	7.60	0.00	5.30	11.77	2.44	2.44	9.33	5.30	4.03
April	3.33	3.59	0.40	0.00	5.30	8.49	2.95	2.95	5.54	5.30	0.24
May	0.89	0.96	0.00	0.00	5.30	6.26	3.91	3.91	2.35	5.30	0.00
June	0.03	0.03	0.00	0.00	2.35	2.38	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.14	0.15	0.00	0.00	0.00	0.15	4.15	4.15	0.00	5.30	0.00
September	0.80	0.86	0.00	0.00	0.00	0.86	3.54	3.54	0.00	5.30	0.00
Total yield											14.969
52.62 56.74 20.88 36.8%											

1983-1984											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.12	1.21	0.00	0.00	0.00	1.21	2.81	2.81	0.00	5.30	0.00
November	8.07	8.70	3.34	0.00	0.00	5.36	1.30	1.30	4.06	5.30	0.00
December	9.46	10.20	4.46	0.00	4.06	9.81	0.98	0.98	8.83	5.30	3.53
January	0.26	0.28	0.00	0.00	5.30	5.58	1.46	1.46	4.12	5.30	0.00
February	2.15	2.32	0.06	0.00	4.12	6.38	1.65	1.65	4.73	5.30	0.00
March	2.12	2.29	0.05	0.00	4.73	6.96	2.44	2.44	4.52	5.30	0.00
April	1.09	1.18	0.00	0.00	4.52	5.70	2.95	2.95	2.75	5.30	0.00
May	0.20	0.22	0.00	0.00	2.75	2.96	3.91	3.91	0.00	5.30	0.00
June	0.46	0.50	0.00	0.00	0.00	0.50	4.25	4.25	0.00	5.30	0.00
July	0.06	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
August	0.33	0.36	0.00	0.00	0.00	0.36	4.15	4.15	0.00	5.30	0.00
September	0.18	0.19	0.00	0.00	0.00	0.19	3.54	3.54	0.00	5.30	0.00
Total yield											3.527
25.50 27.50 7.91 28.8%											

1984-1985											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.81	4.11	0.60	0.00	0.00	3.51	2.81	2.81	0.70	5.30	0.00
November	9.86	10.63	4.79	0.00	0.70	6.54	1.30	1.30	5.24	5.30	0.00
December	3.20	3.45	0.35	0.00	5.24	8.35	0.98	0.98	7.37	5.30	2.07
January	1.02	1.10	0.00	0.00	5.30	6.40	1.46	1.46	4.94	5.30	0.00
February	2.90	3.13	0.24	0.00	4.94	7.82	1.65	1.65	6.17	5.30	0.87
March	5.07	5.47	1.26	0.00	5.30	9.51	2.44	2.44	7.07	5.30	1.77
April	0.13	0.14	0.00	0.00	5.30	5.44	2.95	2.95	2.49	5.30	0.00
May	0.32	0.35	0.00	0.00	2.49	2.84	3.91	3.91	0.00	5.30	0.00
June	0.47	0.51	0.00	0.00	0.00	0.51	4.25	4.25	0.00	5.30	0.00
July	0.31	0.33	0.00	0.00	0.00	0.33	4.27	4.27	0.00	5.30	0.00
August	0.05	0.05	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
September	0.40	0.43	0.00	0.00	0.00	0.43	3.54	3.54	0.00	5.30	0.00
Total yield											4.705
27.54 29.70 7.24 24.4%											

1985-1986											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.51	1.63	0.00	0.00	0.00	1.63	2.81	2.81	0.00	5.30	0.00
November		0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	3.18	3.43	0.34	0.00	0.00	3.09	0.98	0.98	2.11	5.30	0.00
January	4.98	5.37	1.21	0.00	2.11	6.27	1.46	1.46	4.81	5.30	0.00
February	11.48	12.38	6.19	0.00	4.81	11.00	1.65	1.65	9.35	5.30	4.05
March	7.12	7.68	2.62	0.00	5.30	10.35	2.44	2.44	7.91	5.30	2.61
April	0.50	0.54	0.00	0.00	5.30	5.84	2.95	2.95	2.89	5.30	0.00
May	0.84	0.91	0.00	0.00	2.89	3.80	3.91	3.91	0.00	5.30	0.00
June	0.09	0.10	0.00	0.00	0.00	0.10	4.25	4.25	0.00	5.30	0.00
July	0.08	0.09	0.00	0.00	0.00	0.09	4.27	4.27	0.00	5.30	0.00
August	0.25	0.27	0.00	0.00	0.00	0.27	4.15	4.15	0.00	5.30	0.00
September	2.20	2.37	0.07	0.00	0.00	2.30	3.54	3.54	0.00	5.30	0.00
Total yield											6.667
32.23 34.76 10.43 30.0%											

Percolation for Portola Subarea

1986-1987											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	0.45	2.81	2.81	0.00	5.30	0.00
October	0.42	0.45	0.00	0.00	0.00	0.35	1.30	1.30	0.00	5.30	0.00
November	0.32	0.35	0.00	0.00	0.00	3.03	0.98	0.98	2.05	5.30	0.00
December	3.10	3.34	0.31	0.00	2.05	6.27	1.46	1.46	4.81	5.30	1.41
January	5.10	5.50	1.28	0.00	4.81	8.36	1.65	1.65	6.71	5.30	1.28
February	3.87	4.17	0.63	0.00	5.30	9.02	2.44	2.44	6.58	5.30	0.00
March	4.16	4.49	0.77	0.00	5.30	6.32	2.95	2.95	3.37	5.30	0.00
April	0.95	1.02	0.00	0.00	3.37	3.44	3.91	3.91	0.00	5.30	0.00
May	0.06	0.06	0.00	0.00	0.00	0.09	4.25	4.25	0.00	5.30	0.00
June	0.08	0.09	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.11	4.15	4.15	0.00	5.30	0.00
August	0.10	0.11	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00				5.30	0.00
Total yield											2.691
18.16 19.58 2.98 15.2%											

1987-1988											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	2.24	2.81	2.81	0.00	5.30	0.00
October	2.13	2.30	0.06	0.00	0.00	2.67	1.30	1.30	1.37	5.30	0.00
November	2.63	2.84	0.17	0.00	0.00	6.01	0.98	0.98	5.03	5.30	2.17
December	6.03	6.50	1.86	0.00	5.03	8.93	1.46	1.46	7.47	5.30	0.00
January	4.48	4.83	0.93	0.00	5.30	5.93	1.65	1.65	4.28	5.30	0.00
February	0.58	0.63	0.00	0.00	4.28	4.40	2.44	2.44	2.00	5.30	0.00
March	0.12	0.13	0.00	0.00	1.96	4.95	2.95	2.95	0.00	5.30	0.00
April	3.04	3.28	0.29	0.00	2.00	2.75	3.91	3.91	0.00	5.30	0.00
May	0.69	0.74	0.00	0.00	0.00	0.31	4.25	4.25	0.00	5.30	0.00
June	0.29	0.31	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
July	0.01	0.01	0.00	0.00	0.00	0.01	4.15	4.15	0.00	5.30	0.00
August	0.01	0.01	0.00	0.00	0.00	0.02	3.54	3.54	0.00	5.30	0.00
September	0.02	0.02	0.00	0.00	0.00	0.00				5.30	0.00
Total yield											2.172
20.02 21.59 3.30 15.3%											

1988-1989											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	1.01	2.81	2.81	0.00	5.30	0.00
October	0.94	1.01	0.00	0.00	0.00	3.34	1.30	1.30	2.04	5.30	0.00
November	3.55	3.83	0.49	0.00	2.04	6.30	0.98	0.98	5.32	5.30	0.67
December	5.17	5.58	1.32	0.00	5.30	7.43	1.46	1.46	5.97	5.30	0.00
January	2.01	2.17	0.04	0.00	5.30	6.70	1.65	1.65	5.05	5.30	2.64
February	1.30	1.40	0.00	0.00	5.05	10.38	2.44	2.44	7.94	5.30	0.00
March	7.95	8.57	3.25	0.00	5.30	7.26	2.95	2.95	4.31	5.30	0.00
April	1.83	1.97	0.02	0.00	4.31	4.64	3.91	3.91	0.73	5.30	0.00
May	0.31	0.33	0.00	0.00	0.73	0.84	4.25	4.25	0.00	5.30	0.00
June	0.10	0.11	0.00	0.00	0.00	0.14	4.27	4.27	0.00	5.30	0.00
July	0.13	0.14	0.00	0.00	0.00	0.29	4.15	4.15	0.00	5.30	0.00
August	0.27	0.29	0.00	0.00	0.00	1.02	3.54	3.54	0.00	5.30	0.00
September	0.95	1.02	0.00	0.00	0.00	0.00				5.30	0.00
Total yield											3.326
24.51 26.43 5.11 19.3%											

1989-1990											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	2.17	2.81	2.81	0.00	5.30	0.00
October	2.05	2.21	0.04	0.00	0.00	2.07	1.30	1.30	0.77	5.30	0.00
November	1.95	2.10	0.03	0.00	0.77	0.81	0.98	0.98	0.00	5.30	0.00
December	0.03	0.03	0.00	0.00	0.00	3.80	1.46	1.46	2.34	5.30	0.00
January	4.29	4.63	0.83	0.00	2.34	4.92	1.65	1.65	3.27	5.30	0.00
February	2.52	2.72	0.14	0.00	3.27	4.70	2.44	2.44	2.26	5.30	0.00
March	1.33	1.43	0.00	0.00	2.26	2.57	2.95	2.95	0.00	5.30	0.00
April	0.29	0.31	0.00	0.00	0.00	2.82	3.91	3.91	0.00	5.30	0.00
May	2.82	3.04	0.22	0.00	0.00	0.50	4.25	4.25	0.00	5.30	0.00
June	0.46	0.50	0.00	0.00	0.00	0.26	4.27	4.27	0.00	5.30	0.00
July	0.24	0.26	0.00	0.00	0.00	0.15	4.15	4.15	0.00	5.30	0.00
August	0.14	0.15	0.00	0.00	0.00	0.36	3.54	3.54	0.00	5.30	0.00
September	0.33	0.36	0.00	0.00	0.00	0.00				5.30	0.00
Total yield											0.000
16.45 17.74 1.26 7.1%											

1990-1991											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	0.59	2.81	2.81	0.00	5.30	0.00
October	0.55	0.59	0.00	0.00	0.00	0.80	1.30	1.30	0.00	5.30	0.00
November	0.74	0.80	0.00	0.00	0.00	2.63	0.98	0.98	1.65	5.30	0.00
December	2.58	2.78	0.15	0.00	1.65	2.25	1.46	1.46	0.79	5.30	0.00
January	0.56	0.60	0.00	0.00	0.79	4.53	1.65	1.65	2.88	5.30	0.72
February	4.19	4.52	0.78	0.00	2.88	8.46	2.44	2.44	6.02	5.30	0.00
March	8.81	9.50	3.93	0.00	5.30	6.27	2.95	2.95	3.32	5.30	0.00
April	0.90	0.97	0.00	0.00	3.32	4.04	3.91	3.91	0.13	5.30	0.00
May	0.67	0.72	0.00	0.00	0.13	0.48	4.25	4.25	0.00	5.30	0.00
June	0.32	0.35	0.00	0.00	0.00	0.29	4.27	4.27	0.00	5.30	0.00
July	0.27	0.29	0.00	0.00	0.00	0.99	4.15	4.15	0.00	5.30	0.00
August	0.92	0.99	0.00	0.00	0.00	0.27	3.54	3.54	0.00	5.30	0.00
September	0.25	0.27	0.00	0.00	0.00	0.00				5.30	0.00
Total yield											0.717
20.76 22.39 4.86 21.7%											

Percolation for Portola Subarea

1991-1992											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.63	2.84	0.17	0.00	0.00	2.67	2.81	2.81	0.00	5.30	0.00
November	1.01	1.09	0.00	0.00	0.00	1.09	1.30	1.30	0.00	5.30	0.00
December	3.60	3.88	0.51	0.00	0.00	3.38	0.98	0.98	2.40	5.30	0.00
January	3.18	3.43	0.34	0.00	2.40	5.48	1.46	1.46	4.02	5.30	2.62
February	8.70	9.38	3.84	0.00	4.02	9.57	1.65	1.65	7.92	5.30	0.84
March	3.45	3.72	0.44	0.00	5.30	8.58	2.44	2.44	6.14	5.30	0.00
April	0.40	0.43	0.00	0.00	5.30	5.73	2.95	2.95	2.78	5.30	0.00
May	0.06	0.06	0.00	0.00	2.78	2.85	3.91	3.91	0.00	5.30	0.00
June	0.84	0.91	0.00	0.00	0.00	0.91	4.25	4.25	0.00	5.30	0.00
July	0.02	0.02	0.00	0.00	0.00	0.02	4.27	4.27	0.00	5.30	0.00
August	0.18	0.19	0.00	0.00	0.00	0.19	4.15	4.15	0.00	5.30	0.00
September	0.12	0.13	0.00	0.00	0.00	0.13	3.54	3.54	0.00	5.30	0.00
Total yield											3.455
24.19		26.09		5.29		20.3%					

1992-1993											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.88	3.11	0.24	0.00	0.00	2.87	2.81	2.81	0.06	5.30	0.00
November	0.67	0.72	0.00	0.00	0.06	0.78	1.30	1.30	0.00	5.30	0.00
December	8.10	8.73	3.36	0.00	0.00	5.37	0.98	0.98	4.39	5.30	3.31
January	9.21	9.93	4.25	0.00	4.39	10.07	1.46	1.46	8.61	5.30	2.80
February	5.59	6.03	1.58	0.00	5.30	9.75	1.65	1.65	8.10	5.30	0.36
March	2.79	3.01	0.21	0.00	5.30	8.10	2.44	2.44	5.66	5.30	0.00
April	1.68	1.81	0.01	0.00	5.30	7.11	2.95	2.95	4.16	5.30	0.00
May	1.38	1.49	0.00	0.00	4.16	5.64	3.91	3.91	1.73	5.30	0.00
June	0.48	0.52	0.00	0.00	1.73	2.25	4.25	4.25	0.00	5.30	0.00
July	0.06	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
August	0.17	0.18	0.00	0.00	0.00	0.18	4.15	4.15	0.00	5.30	0.00
September	0.21	0.23	0.00	0.00	0.00	0.23	3.54	3.54	0.00	5.30	0.00
Total yield											6.471
33.22		35.82		9.65		26.9%					

1993-1994											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.62	0.67	0.00	0.00	0.00	0.67	2.81	2.81	0.00	5.30	0.00
November	1.55	1.67	0.00	0.00	0.00	1.67	1.30	1.30	0.37	5.30	0.00
December	2.77	2.99	0.20	0.00	0.37	3.15	0.98	0.98	2.17	5.30	0.00
January	2.63	2.84	0.17	0.00	2.17	4.84	1.46	1.46	3.38	5.30	0.89
February	5.61	6.05	1.59	0.00	3.38	7.84	1.65	1.65	6.19	5.30	0.00
March	0.77	0.83	0.00	0.00	5.30	6.13	2.44	2.44	3.69	5.30	0.00
April	1.85	1.99	0.02	0.00	3.69	5.67	2.95	2.95	2.72	5.30	0.00
May	1.64	1.77	0.00	0.00	2.72	4.48	3.91	3.91	0.57	5.30	0.00
June	0.11	0.12	0.00	0.00	0.57	0.69	4.25	4.25	0.00	5.30	0.00
July	0.13	0.14	0.00	0.00	0.00	0.14	4.27	4.27	0.00	5.30	0.00
August	0.17	0.18	0.00	0.00	0.00	0.18	4.15	4.15	0.00	5.30	0.00
September	0.09	0.10	0.00	0.00	0.00	0.10	3.54	3.54	0.00	5.30	0.00
Total yield											0.893
17.94		19.35		1.98		10.3%					

1994-1995											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.08	0.09	0.00	0.00	0.00	0.09	2.81	2.81	0.00	5.30	0.00
November	5.34	5.76	1.42	0.00	0.00	4.34	1.30	1.30	3.04	5.30	0.34
December	3.93	4.24	0.65	0.00	3.04	6.62	0.98	0.98	5.64	5.30	4.71
January	11.38	12.27	6.10	0.00	5.30	11.47	1.46	1.46	10.01	5.30	0.00
February	0.26	0.28	0.00	0.00	5.30	5.58	1.65	1.65	3.93	5.30	1.74
March	8.71	9.39	3.85	0.00	3.93	9.48	2.44	2.44	7.04	5.30	0.00
April	2.35	2.53	0.10	0.00	5.30	7.74	2.95	2.95	4.79	5.30	0.00
May	1.54	1.66	0.00	0.00	4.79	6.45	3.91	3.91	2.54	5.30	0.00
June	0.78	0.84	0.00	0.00	2.54	3.38	4.25	4.25	0.00	5.30	0.00
July	0.05	0.05	0.00	0.00	0.00	0.05	4.27	4.27	0.00	5.30	0.00
August	0.05	0.05	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
September	0.15	0.16	0.00	0.00	0.00	0.16	3.54	3.54	0.00	5.30	0.00
Total yield											6.790
34.62		37.33		12.12		32.5%					

1995-1996											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.07	0.08	0.00	0.00	0.00	0.08	2.81	2.81	0.00	5.30	0.00
November	0.30	0.32	0.00	0.00	0.00	0.32	1.30	1.30	0.00	5.30	0.00
December	8.25	8.90	3.48	0.00	0.00	5.42	0.98	0.98	4.44	5.30	3.10
January	8.27	8.92	3.50	0.00	4.44	9.86	1.46	1.46	8.40	5.30	3.38
February	7.05	7.60	2.57	0.00	5.30	10.33	1.65	1.65	8.68	5.30	0.76
March	3.34	3.60	0.40	0.00	5.30	8.50	2.44	2.44	6.06	5.30	0.00
April	1.98	2.14	0.03	0.00	5.30	7.40	2.95	2.95	4.45	5.30	0.00
May	2.16	2.33	0.06	0.00	4.45	6.72	3.91	3.91	2.81	5.30	0.00
June	0.13	0.14	0.00	0.00	2.81	2.95	4.25	4.25	0.00	5.30	0.00
July	0.06	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
August	0.07	0.08	0.00	0.00	0.00	0.08	4.15	4.15	0.00	5.30	0.00
September	0.20	0.22	0.00	0.00	0.00	0.22	3.54	3.54	0.00	5.30	0.00
Total yield											7.238
31.88		34.38		10.04		29.2%					

Percolation for Portola Subarea

1996-1997											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		1.59	0.00	0.00	0.00	1.59	2.81	2.81	0.00	5.30	0.00
October	1.47	2.92	0.19	0.00	0.00	2.73	1.30	1.30	1.43	5.30	0.00
November	2.71	9.52	3.94	0.00	1.43	7.02	0.98	0.98	6.04	5.30	0.74
December	8.83	10.63	4.79	0.00	5.30	11.14	1.46	1.46	9.68	5.30	4.38
January	9.86	0.31	0.00	0.00	3.96	4.60	2.44	2.44	1.65	5.30	0.00
February	0.29	0.64	0.00	0.00	2.16	3.19	2.95	2.95	0.24	5.30	0.00
March	0.59	1.04	0.00	0.00	0.24	0.72	3.91	3.91	0.00	5.30	0.00
April	0.96	0.47	0.00	0.00	0.00	0.61	4.25	4.25	0.00	5.30	0.00
May	0.44	0.61	0.00	0.00	0.00	0.14	4.27	4.27	0.00	5.30	0.00
June	0.57	0.14	0.00	0.00	0.00	0.83	4.15	4.15	0.00	5.30	0.00
July	0.13	0.83	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00
August	0.77	0.09	0.00	0.00	0.00						
September	0.08										
Total yield											5.118
26.70 28.79 8.92 31.0%											

1997-1998											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		0.83	0.00	0.00	0.00	0.83	2.81	2.81	0.00	5.30	0.00
October	0.77	8.45	3.16	0.00	0.00	5.29	1.30	1.30	3.99	5.30	0.00
November	7.84	3.94	0.53	0.00	3.99	7.40	0.98	0.98	6.42	5.30	1.12
December	3.65	13.08	6.77	0.00	5.30	11.61	1.46	1.46	10.15	5.30	4.85
January	12.13	16.93	10.07	0.00	5.30	12.16	1.65	1.65	10.51	5.30	5.21
February	15.70	2.78	0.15	0.00	5.30	7.93	2.44	2.44	5.49	5.30	0.19
March	2.58	2.94	0.19	0.00	5.30	8.05	2.95	2.95	5.10	5.30	0.00
April	2.73	4.32	0.69	0.00	5.10	8.73	3.91	3.91	4.82	5.30	0.00
May	4.01	0.32	0.00	0.00	4.82	5.15	4.25	4.25	0.90	5.30	0.00
June	0.30	0.19	0.00	0.00	0.90	1.09	4.27	4.27	0.00	5.30	0.00
July	0.18	0.06	0.00	0.00	0.00	0.06	4.15	4.15	0.00	5.30	0.00
August	0.06	0.27	0.00	0.00	0.00	0.27	3.54	3.54	0.00	5.30	0.00
September	0.25										
Total yield											11.371
50.20 54.13 21.57 39.8%											

1998-1999											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		1.05	0.00	0.00	0.00	1.05	2.81	2.81	0.00	5.30	0.00
October	0.97	4.04	0.57	0.00	0.00	3.47	1.30	1.30	2.17	5.30	0.00
November	3.75	2.25	0.05	0.00	2.17	4.38	0.98	0.98	3.40	5.30	1.42
December	2.09	6.90	2.11	0.00	3.40	8.18	1.46	1.46	6.72	5.30	4.97
January	6.4	15.10	8.47	0.00	5.30	11.92	1.65	1.65	10.27	5.30	1.58
February	14	5.07	1.05	0.00	5.30	9.32	2.44	2.44	6.88	5.30	0.00
March	4.7	2.94	0.19	0.00	5.30	8.05	2.95	2.95	5.10	5.30	0.00
April	2.73	0.13	0.00	0.00	5.10	5.23	3.91	3.91	1.32	5.30	0.00
May	0.12	0.50	0.00	0.00	1.32	1.82	4.25	4.25	0.00	5.30	0.00
June	0.46	0.05	0.00	0.00	0.00	0.05	4.27	4.27	0.00	5.30	0.00
July	0.05	0.37	0.00	0.00	0.00	0.37	4.15	4.15	0.00	5.30	0.00
August	0.34	0.23	0.00	0.00	0.00	0.23	3.54	3.54	0.00	5.30	0.00
September	0.21										
Total yield											7.977
35.82 38.63 12.45 32.2%											

1999-2000											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		0.88	0.00	0.00	0.00	0.88	2.81	2.81	0.00	5.30	0.00
October	0.82	3.17	0.26	0.00	0.00	2.91	1.30	1.30	1.61	5.30	0.00
November	2.94	1.00	0.00	0.00	1.61	2.62	0.98	0.98	1.64	5.30	0.00
December	0.93	8.12	2.93	0.00	1.64	6.83	1.46	1.46	5.37	5.30	0.07
January	7.53	12.15	6.00	0.00	5.30	11.45	1.65	1.65	9.80	5.30	4.50
February	11.27	2.64	0.12	0.00	5.30	7.82	2.44	2.44	5.38	5.30	0.08
March	2.45	3.34	0.31	0.00	5.30	8.33	2.95	2.95	3.24	5.30	0.00
April	3.1	1.85	0.01	0.00	5.30	7.15	3.91	3.91	0.00	5.30	0.00
May	1.72	0.19	0.00	0.00	3.24	3.43	4.25	4.25	0.00	5.30	0.00
June	0.18	0.28	0.00	0.00	0.00	0.28	4.27	4.27	0.00	5.30	0.00
July	0.26	0.20	0.00	0.00	0.00	0.20	4.15	4.15	0.00	5.30	0.00
August	0.19	0.44	0.00	0.00	0.00	0.44	3.54	3.54	0.00	5.30	0.00
September	0.41										
Total yield											4.731
31.80 34.29 9.63 28.1%											

2000-2001											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		4.03	0.57	0.00	0.00	3.47	2.81	2.81	0.66	5.30	0.00
October	3.74	1.40	0.00	0.00	0.66	2.06	1.30	1.30	0.76	5.30	0.00
November	1.3	0.74	0.00	0.00	0.76	1.50	0.98	0.98	0.52	5.30	0.00
December	0.69	6.20	1.68	0.00	0.52	5.04	1.46	1.46	3.58	5.30	1.44
January	5.75	6.94	2.14	0.00	3.58	8.39	1.65	1.65	6.74	5.30	0.00
February	6.44	1.80	0.00	0.00	5.30	7.10	2.44	2.44	4.66	5.30	0.00
March	1.67	2.36	0.07	0.00	4.66	6.95	2.95	2.95	4.00	5.30	0.00
April	2.19	0.02	0.00	0.00	4.00	4.02	3.91	3.91	0.11	5.30	0.00
May	0.02	0.13	0.00	0.00	0.11	0.24	4.25	4.25	0.00	5.30	0.00
June	0.12	0.30	0.00	0.00	0.00	0.30	4.27	4.27	0.00	5.30	0.00
July	0.28	0.42	0.00	0.00	0.00	0.42	4.15	4.15	0.00	5.30	0.00
August	0.39	0.28	0.00	0.00	0.00	0.28	3.54	3.54	0.00	5.30	0.00
September	0.26										
Total yield											1.437
22.85 24.64 4.46 18.1%											

Percolation for Portola Subarea

Adjusted San Gregorio data

2001-2002											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		0.51	0.00	0.00	0.00	0.51	2.81	2.81	0.00	5.30	0.00
October	0.47	7.21	2.32	0.00	0.00	4.90	1.30	1.30	3.60	5.30	0.00
November	6.69	9.99	4.29	0.00	3.60	9.29	0.98	0.98	8.31	5.30	3.01
December	9.26	2.75	0.14	0.00	5.30	7.91	1.46	1.46	6.45	5.30	1.15
January	2.55	2.30	0.06	0.00	5.30	7.54	1.65	1.65	5.89	5.30	0.59
February	2.13	2.74	0.14	0.00	5.30	7.90	2.44	2.44	5.46	5.30	0.16
March	2.54	0.73	0.00	0.00	5.30	6.03	2.95	2.95	3.08	5.30	0.00
April	0.68	0.95	0.00	0.00	3.08	4.03	3.91	3.91	0.12	5.30	0.00
May	0.88	0.25	0.00	0.00	0.12	0.37	4.25	4.25	0.00	5.30	0.00
June	0.23	0.19	0.00	0.00	0.00	0.19	4.27	4.27	0.00	5.30	0.00
July	0.18	0.09	0.00	0.00	0.00	0.09	4.15	4.15	0.00	5.30	0.00
August	0.08	0.18	0.00	0.00	0.00	0.18	3.54	3.54	0.00	5.30	0.00
September	0.17										
Total yield											4.907

25.86

27.89

6.95

24.9%

Estimate for missing data in red based on San Gregorio data for same period

2002-2003											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		0.18	0.00	0.00	0.00	0.18	2.81	2.81	0.00	5.30	0.00
October	0.17	2.91	0.18	0.00	0.00	2.73	1.30	1.30	1.43	5.30	0.00
November	2.7	9.71	4.08	0.00	1.43	7.05	0.98	0.98	6.07	5.30	0.77
December	9	1.45	0.00	0.00	5.30	6.75	1.46	1.46	5.29	5.30	0.00
January	1.34	3.73	0.45	0.00	5.29	8.57	1.65	1.65	6.92	5.30	1.62
February	3.46	1.96	0.02	0.00	5.30	7.25	2.44	2.44	4.81	5.30	0.00
March	1.82	5.94	1.53	0.00	4.81	9.22	2.95	2.95	6.27	5.30	0.97
April	5.51	0.95	0.00	0.00	5.30	6.25	3.91	3.91	2.34	5.30	0.00
May	0.88	0.19	0.00	0.00	2.34	2.53	4.25	4.25	0.00	5.30	0.00
June	0.18	0.01	0.00	0.00	0.00	0.01	4.27	4.27	0.00	5.30	0.00
July	0.01	0.04	0.00	0.00	0.00	0.04	4.15	4.15	0.00	5.30	0.00
August	0.04	0.11	0.00	0.00	0.00	0.11	3.54	3.54	0.00	5.30	0.00
September	0.10										
Total yield											3.362

25.21

27.19

6.26

23.0%

2003-2004											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		0.24	0.00	0.00	0.00	0.24	2.81	2.81	0.00	5.30	0.00
October	0.22	2.45	0.08	0.00	0.00	2.37	1.30	1.30	1.07	5.30	0.00
November	2.27	9.50	3.93	0.00	1.07	6.64	0.98	0.98	5.66	5.30	0.36
December	8.81	3.59	0.40	0.00	5.30	8.49	1.46	1.46	7.03	5.30	1.73
January	3.33	6.87	2.09	0.00	5.30	10.08	1.65	1.65	8.43	5.30	3.13
February	6.37	1.50	0.00	0.00	5.30	6.80	2.44	2.44	4.36	5.30	0.00
March	1.39	5.95	1.39	0.00	4.36	4.69	2.95	2.95	1.74	5.30	0.00
April	0.31	0.33	0.00	0.00	1.74	1.90	3.91	3.91	0.00	5.30	0.00
May	0.15	0.16	0.00	0.00	0.00	0.05	4.25	4.25	0.00	5.30	0.00
June	0.05	0.05	0.00	0.00	0.00	0.37	4.27	4.27	0.00	5.30	0.00
July	0.34	0.37	0.00	0.00	0.00	0.36	4.15	4.15	0.00	5.30	0.00
August	0.33	0.36	0.00	0.00	0.00	0.31	3.54	3.54	0.00	5.30	0.00
September	0.29	0.31	0.00	0.00	0.00	0.31					
Total yield											5.223

23.86

25.73

6.50

25.2%

2004-2005											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		4.96	0.99	0.00	0.00	3.97	2.81	2.81	1.16	5.30	0.00
October	4.6	1.49	0.00	0.00	1.16	2.64	1.30	1.30	1.34	5.30	0.00
November	1.38	9.34	3.81	0.00	1.34	6.88	0.98	0.98	5.90	5.30	0.60
December	8.66	6.59	1.92	0.00	5.30	9.97	1.46	1.46	8.51	5.30	3.21
January	6.11	1.39	0.00	0.00	5.30	9.61	1.65	1.65	7.96	5.30	2.66
February	5.28	5.95	1.53	0.00	5.30	9.72	2.44	2.44	7.28	5.30	1.98
March	5.52	1.82	0.01	0.00	5.30	7.12	2.95	2.95	4.17	5.30	0.00
April	1.69	2.50	0.09	0.00	4.17	6.58	3.91	3.91	2.67	5.30	0.00
May	2.32	1.41	0.00	0.00	2.67	4.08	4.25	4.25	0.00	5.30	0.00
June	1.31	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
September	0.00										
Total yield											8.448

36.87

39.76

9.73

24.5%

Percolation for Portola Subarea

Percolation Estimates for Portola Area 1950 - 2005

Averages		
Years used in ave	55	
Precipitation	27.047	
Adj. Precipitation	7.293	25%
Runoff		0%
Irrigation	16.855	58%
Evapotranspiration		17%
Percolation	4.835	

Crop Coeff.	
October	1
November	1
December	1
January	1
February	1
March	1
April	1
May	1
June	1
July	1
August	1
September	1

Soil Water Holding Capacity- (mean value)	5.3
Land Use	S
Contoured Row Crops	
Range	
Farmsteads	
Fallow Row	
S=	8
Adj. Precip. Facto	1.078363
Irrigation efficienc	1

1947-1948											Available to Recharge
Month	Monthly Input in.	Adjusted Precipitation in.	Direct Runoff in.	Irrigation in.	Initial Soil Moisture in.	Total Available Soil Moisture in.	ETp in.	ETc in.	Net Soil Moisture in.	Soil Water Holding Capacity in.	Percolation in.
October	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.98	0.00	5.30	0.00
January	0.00	0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.00	5.30	0.00
February	0.00	0.00	0.00	0.00	0.00	0.00	1.65	1.65	0.00	5.30	0.00
March	0.00	0.00	0.00	0.00	0.00	0.00	2.44	2.44	0.00	5.30	0.00
April	0.00	0.00	0.00	0.00	0.00	0.00	2.95	2.95	0.00	5.30	0.00
May	0.00	0.00	0.00	0.00	0.00	0.00	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.04	0.04	0.00	0.00	0.00	0.04	3.54	3.54	0.00	5.30	0.00
Totals	0.04	0.04	0.00	0.00							0.000

1948-1949											Available to Recharge
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.55	0.59	0.00	0.00	0.00	0.59	2.81	2.81	0.00	5.30	0.00
November	0.66	0.71	0.00	0.00	0.00	0.71	1.30	1.30	0.00	5.30	0.00
December	4.99	5.38	1.21	0.00	0.00	4.17	0.98	0.98	3.19	5.30	0.00
January	1.73	1.87	0.01	0.00	3.19	5.04	1.46	1.46	3.58	5.30	0.21
February	3.91	4.22	0.64	0.00	3.58	7.16	1.65	1.65	5.51	5.30	1.71
March	4.96	5.35	1.20	0.00	5.30	9.45	2.44	2.44	2.35	5.30	0.00
April	0.00	0.00	0.00	0.00	5.30	5.30	2.95	2.95	0.00	5.30	0.00
May	0.41	0.44	0.00	0.00	2.35	2.79	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.17	0.18	0.00	0.00	0.00	0.18	4.15	4.15	0.00	5.30	0.00
September		0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Totals	17.38	18.74	3.06	0.00							1.919

1949-1950											Available to Recharge
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.98	0.00	5.30	0.00
January	0.00	0.00	0.00	0.00	0.00	0.00	1.46	1.46	0.00	5.30	0.00
February	2.24	2.42	0.08	0.00	0.69	2.14	1.65	1.65	0.69	5.30	0.00
March	1.34	1.45	0.00	0.00	0.00	2.23	2.44	2.44	0.00	5.30	0.00
April	2.12	2.29	0.05	0.00	0.00	0.40	3.91	3.91	0.00	5.30	0.00
May	0.37	0.40	0.00	0.00	0.00	0.15	4.25	4.25	0.00	5.30	0.00
June	0.14	0.15	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00
September	0.08	0.09	0.00	0.00	0.00	0.00					0.000
Totals	6.29	6.78	0.13	0.00							0.000

1950-1951											Available to Recharge
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.95	2.10	0.03	0.00	0.00	2.07	2.81	2.81	0.00	5.30	0.00
November	5.46	5.89	1.50	0.00	0.00	4.39	1.30	1.30	3.09	5.30	1.44
December	6.01	6.48	1.85	0.00	3.09	7.72	0.98	0.98	6.74	5.30	2.77
January	5.11	5.51	1.28	0.00	5.30	9.53	1.46	1.46	8.07	5.30	1.29
February	2.98	3.21	0.27	0.00	5.30	8.24	1.65	1.65	6.59	5.30	0.40
March	2.84	3.06	0.00	0.00	5.30	8.14	2.44	2.44	5.70	5.30	0.00
April	0.91	0.98	0.00	0.00	5.30	6.28	2.95	2.95	3.33	5.30	0.00
May	0.98	1.06	0.00	0.00	3.33	4.39	3.91	3.91	0.48	5.30	0.00
June	0.17	0.18	0.00	0.00	0.48	0.66	4.25	4.25	0.00	5.30	0.00
July	0.12	0.13	0.00	0.00	0.00	0.13	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.28	0.30	0.00	0.00	0.00	0.30	3.54	3.54	0.00	5.30	0.00
Totals	26.81	28.91	5.16	0.00							5.899

Percolation for Portola Subarea

1951-1952											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.16	1.25	0.00	0.00	0.00	1.25	2.81	2.81	0.00	5.30	0.00
November	4.15	4.48	0.76	0.00	0.00	3.72	1.30	1.30	2.42	5.30	0.00
December	11.30	12.19	6.03	0.00	2.42	8.57	0.98	0.98	7.59	5.30	2.29
January	9.31	10.04	4.33	0.00	5.30	11.01	1.46	1.46	9.55	5.30	4.25
February	2.20	2.37	0.07	0.00	5.30	7.60	1.65	1.65	5.95	5.30	0.65
March	6.21	6.70	1.98	0.00	5.30	10.01	2.44	2.44	7.57	5.30	2.27
April	0.62	0.67	0.00	0.00	5.30	5.97	2.95	2.95	3.02	5.30	0.00
May	0.45	0.49	0.00	0.00	3.02	3.50	3.91	3.91	0.00	5.30	0.00
June	1.14	1.23	0.00	0.00	0.00	1.23	4.25	4.25	0.00	5.30	0.00
July	0.03	0.03	0.00	0.00	0.00	0.03	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.15	0.16	0.00	0.00	0.00	0.16	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											9.466
36.72		39.60		13.17		33.3%					

1952-1953											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.27	0.29	0.00	0.00	0.00	0.29	2.81	2.81	0.00	5.30	0.00
November	2.66	2.87	0.17	0.00	0.00	2.69	1.30	1.30	1.39	5.30	0.00
December	11.36	12.25	6.08	0.00	1.39	7.56	0.98	0.98	6.58	5.30	1.28
January	4.55	4.91	0.97	0.00	5.30	9.24	1.46	1.46	7.78	5.30	2.48
February		0.00	0.00	0.00	5.30	5.30	1.65	1.65	3.65	5.30	0.00
March		0.00	0.00	0.00	3.65	3.65	2.44	2.44	1.21	5.30	0.00
April	3.17	3.42	0.34	0.00	1.21	4.29	2.95	2.95	1.34	5.30	0.00
May	0.60	0.65	0.00	0.00	1.34	1.99	3.91	3.91	0.00	5.30	0.00
June	0.56	0.60	0.00	0.00	0.00	0.60	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.53	0.57	0.00	0.00	0.00	0.57	4.15	4.15	0.00	5.30	0.00
September	0.12	0.13	0.00	0.00	0.00	0.13	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											3.763
23.82		25.69		7.56		29.4%					

1953-1954											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.67	0.72	0.00	0.00	0.00	0.72	2.81	2.81	0.00	5.30	0.00
November	3.33	3.59	0.40	0.00	0.00	3.19	1.30	1.30	1.89	5.30	0.00
December	1.04	1.12	0.00	0.00	1.89	3.02	0.98	0.98	2.04	5.30	0.00
January	4.18	4.51	0.78	0.00	2.04	5.77	1.46	1.46	4.31	5.30	0.00
February	2.58	2.78	0.15	0.00	4.31	6.94	1.65	1.65	5.29	5.30	1.74
March	5.03	5.42	1.24	0.00	5.29	9.48	2.44	2.44	7.04	5.30	0.00
April	1.49	1.61	0.00	0.00	5.30	6.91	2.95	2.95	3.96	5.30	0.00
May	0.06	0.06	0.00	0.00	3.96	4.02	3.91	3.91	0.11	5.30	0.00
June	0.64	0.69	0.00	0.00	0.11	0.80	4.25	4.25	0.00	5.30	0.00
July	0.10	0.11	0.00	0.00	0.00	0.11	4.27	4.27	0.00	5.30	0.00
August	0.55	0.59	0.00	0.00	0.00	0.59	4.15	4.15	0.00	5.30	0.00
September	0.08	0.09	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											1.736
19.75		21.30		2.56		12.0%					

1954-1955											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.23	0.25	0.00	0.00	0.00	0.25	2.81	2.81	0.00	5.30	0.00
November	1.96	2.11	0.03	0.00	0.00	2.08	1.30	1.30	0.78	5.30	0.00
December	4.53	4.88	0.96	0.00	0.78	4.71	0.98	0.98	3.73	5.30	1.17
January	5.06	5.46	1.25	0.00	3.73	7.93	1.46	1.46	6.47	5.30	0.00
February	1.37	1.48	0.00	0.00	5.30	6.78	1.65	1.65	5.13	5.30	0.00
March	0.28	0.30	0.00	0.00	5.30	5.43	2.44	2.44	2.99	5.30	0.00
April	2.60	2.80	0.16	0.00	2.99	5.64	2.95	2.95	2.69	5.30	0.00
May	0.36	0.39	0.00	0.00	2.69	3.07	3.91	3.91	0.00	5.30	0.00
June	0.07	0.08	0.00	0.00	0.00	0.08	4.25	4.25	0.00	5.30	0.00
July	0.17	0.18	0.00	0.00	0.00	0.18	4.27	4.27	0.00	5.30	0.00
August	0.12	0.13	0.00	0.00	0.00	0.13	4.15	4.15	0.00	5.30	0.00
September	0.28	0.30	0.00	0.00	0.00	0.30	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											1.173
17.03		18.36		2.40		13.1%					

1955-1956											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.21	0.23	0.00	0.00	0.00	0.23	2.81	2.81	0.00	5.30	0.00
November	2.32	2.50	0.09	0.00	0.00	2.41	1.30	1.30	1.11	5.30	0.00
December	13.81	14.89	8.30	0.00	1.11	7.70	0.98	0.98	6.72	5.30	1.42
January	11.38	12.27	6.10	0.00	5.30	11.47	1.46	1.46	10.01	5.30	4.71
February	2.81	3.03	0.22	0.00	5.30	8.11	1.65	1.65	6.46	5.30	1.16
March	0.00	0.00	0.00	0.00	5.30	5.30	2.44	2.44	2.86	5.30	0.00
April	1.88	2.03	0.02	0.00	2.86	4.87	2.95	2.95	1.92	5.30	0.00
May	1.37	1.48	0.00	0.00	1.92	3.39	3.91	3.91	0.00	5.30	0.00
June	0.07	0.08	0.00	0.00	0.00	0.08	4.25	4.25	0.00	5.30	0.00
July	0.25	0.27	0.00	0.00	0.00	0.27	4.27	4.27	0.00	5.30	0.00
August	0.45	0.49	0.00	0.00	0.00	0.49	4.15	4.15	0.00	5.30	0.00
September	0.45	0.49	0.00	0.00	0.00	0.49	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											7.300
35.00		37.74		14.73		39.0%					

Percolation for Portola Subarea

1956-1957											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		1.89	0.01	0.00	0.00	1.88	2.81	2.81	0.00	5.30	0.00
October	1.75	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
November	0.00	0.61	0.00	0.00	0.00	0.61	0.98	0.98	0.00	5.30	0.00
December	0.57	3.31	0.39	0.00	0.00	3.18	1.46	1.46	1.72	5.30	0.00
January	3.31	4.77	0.90	0.00	1.72	5.59	1.65	1.65	3.94	5.30	0.82
February	4.42	6.45	1.83	0.00	3.94	8.56	2.44	2.44	6.12	5.30	0.00
March	5.98	1.78	0.00	0.00	5.30	7.08	2.95	2.95	4.13	5.30	0.00
April	1.65	4.42	0.74	0.00	4.13	7.81	3.91	3.91	3.90	5.30	0.00
May	4.10	0.09	0.00	0.00	0.00	3.99	4.25	4.25	0.00	5.30	0.00
June	0.08	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
July	0.00	0.09	0.00	0.00	0.00	0.09	4.15	4.15	0.00	5.30	0.00
August	0.08	1.16	0.00	0.00	0.00	1.16	3.54	3.54	0.00	5.30	0.00
September	1.08										
Total Mean Yield										0.818	
23.02 24.82 3.87 15.6%											

1957-1958											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		3.42	0.34	0.00	0.00	3.08	2.81	2.81	0.27	5.30	0.00
October	3.17	1.92	0.01	0.00	0.27	2.18	1.30	1.30	0.88	5.30	0.00
November	1.78	4.18	0.63	0.00	0.88	4.43	0.98	0.98	3.45	5.30	1.41
December	3.88	6.72	2.00	0.00	3.45	8.17	1.46	1.46	6.71	5.30	4.40
January	6.23	11.64	5.58	0.00	5.30	11.35	1.65	1.65	9.70	5.30	3.28
February	10.79	10.12	4.39	0.00	5.30	11.02	2.44	2.44	8.58	5.30	1.61
March	9.38	6.29	1.73	0.00	5.30	9.86	2.95	2.95	6.91	5.30	0.00
April	5.83	0.73	0.00	0.00	5.30	6.03	3.91	3.91	2.12	5.30	0.00
May	0.68	0.77	0.00	0.00	2.12	2.89	4.25	4.25	0.00	5.30	0.00
June	0.71	0.41	0.00	0.00	0.00	0.41	4.27	4.27	0.00	5.30	0.00
July	0.38	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
August	0.00	0.19	0.00	0.00	0.00	0.19	3.54	3.54	0.00	5.30	0.00
September	0.18										
Total Mean Yield										10.705	
43.01 46.38 14.68 31.7%											

1958-1959											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		0.29	0.00	0.00	0.00	0.29	2.81	2.81	0.00	5.30	0.00
October	0.27	0.54	0.00	0.00	0.00	0.54	1.30	1.30	0.00	5.30	0.00
November	0.50	2.04	0.02	0.00	0.00	2.02	0.98	0.98	1.04	5.30	0.00
December	1.89	5.47	1.26	0.00	1.04	5.24	1.46	1.46	3.78	5.30	1.30
January	5.07	6.08	1.61	0.00	3.78	8.25	1.65	1.65	6.60	5.30	0.00
February	5.64	6.69	0.00	0.00	5.30	5.99	2.44	2.44	3.55	5.30	0.00
March	0.64	0.45	0.00	0.00	3.55	4.00	2.95	2.95	1.05	5.30	0.00
April	0.42	0.39	0.00	0.00	1.05	1.44	3.91	3.91	0.00	5.30	0.00
May	0.36	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
July	0.00	0.23	0.00	0.00	0.00	0.23	4.15	4.15	0.00	5.30	0.00
August	0.21	0.53	0.00	0.00	0.00	0.53	3.54	3.54	0.00	5.30	0.00
September	3.66										
Total yield										1.305	
18.66 20.12 3.42 17.0%											

1959-1960											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		0.43	0.00	0.00	0.00	0.43	2.81	2.81	0.00	5.30	0.00
October	0.40	0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
November	0.00	0.03	0.00	0.00	0.00	0.03	0.98	0.98	1.11	5.30	0.00
December	1.97	5.70	1.39	0.00	1.11	5.42	1.46	1.46	3.96	5.30	1.01
January	5.29	1.03	0.00	0.00	3.96	7.96	1.65	1.65	6.31	5.30	0.00
February	4.66	5.03	0.02	0.00	5.30	7.33	2.44	2.44	4.89	5.30	0.00
March	1.90	2.05	0.00	0.00	4.89	6.25	2.95	2.95	3.30	5.30	0.00
April	1.27	1.37	0.00	0.00	3.30	4.07	3.91	3.91	0.16	5.30	0.00
May	0.71	0.77	0.00	0.00	0.16	0.16	4.25	4.25	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
September	0.00										
Total yield										1.013	
16.20 17.47 2.47 14.2%											

1960-1961											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		0.95	0.00	0.00	0.00	0.95	2.81	2.81	0.00	5.30	0.00
October	0.88	5.52	1.29	0.00	0.00	4.23	1.30	1.30	2.93	5.30	0.00
November	5.12	1.83	0.01	0.00	2.93	4.76	0.98	0.98	3.78	5.30	0.00
December	1.70	3.21	0.27	0.00	3.78	6.72	1.46	1.46	5.26	5.30	0.33
January	2.98	1.89	0.02	0.00	5.26	7.28	1.65	1.65	5.63	5.30	0.70
February	1.89	2.04	0.00	0.00	5.30	8.44	2.44	2.44	6.00	5.30	0.00
March	3.25	3.50	0.37	0.00	5.30	6.44	2.95	2.95	3.49	5.30	0.00
April	1.06	1.14	0.00	0.00	3.49	5.35	3.91	3.91	1.44	5.30	0.00
May	1.73	1.87	0.01	0.00	1.44	1.68	4.25	4.25	0.00	5.30	0.00
June	0.22	0.24	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.11	4.15	4.15	0.00	5.30	0.00
August	0.10	0.11	0.00	0.00	0.00	0.11	3.54	3.54	0.00	5.30	0.00
September	0.57	0.61	0.00	0.00	0.00	0.61					
Total yield										1.025	
19.50 21.03 1.96 9.3%											

Percolation for Portola Subarea

1961-1962												
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation	
		0.13	0.00	0.00	0.00	0.13	2.81	2.81	0.00	5.30	0.00	
October	0.12	0.13	0.00	0.00	0.00	3.41	1.30	1.30	2.11	5.30	0.00	
November	3.66	3.95	0.53	0.00	0.00	5.20	0.98	0.98	4.22	5.30	0.00	
December	3.18	3.43	0.34	0.00	2.11	6.43	1.46	1.46	4.97	5.30	3.55	
January	2.09	2.25	0.05	0.00	4.22	10.50	1.65	1.65	8.85	5.30	0.88	
February	8.64	9.32	3.79	0.00	4.97	8.62	2.44	2.44	6.18	5.30	0.00	
March	3.52	3.80	0.47	0.00	5.30	6.18	2.95	2.95	3.23	5.30	0.00	
April	0.82	0.88	0.00	0.00	3.23	3.49	3.91	3.91	0.00	5.30	0.00	
May	0.24	0.26	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00	
June	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00	
July	0.00	0.00	0.00	0.00	0.00	0.31	4.15	4.15	0.00	5.30	0.00	
August	0.29	0.31	0.00	0.00	0.00	0.55	3.54	3.54	0.00	5.30	0.00	
September	0.51	0.55	0.00	0.00	0.00	0.00						
Total Mean Yield											4.429	
23.07 24.88 5.18 20.8%												

1962-1963												
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation	
		11.83	5.74	0.00	0.00	6.09	2.81	2.81	3.28	5.30	0.00	
October	10.97	0.65	0.00	0.00	3.28	3.93	1.30	1.30	2.63	5.30	0.00	
November	0.60	3.85	0.49	0.00	2.63	5.98	0.98	0.98	5.00	5.30	1.51	
December	3.57	0.44	0.00	0.00	5.00	8.27	1.46	1.46	6.81	5.30	1.76	
January	3.44	3.71	0.53	0.00	5.30	8.71	1.65	1.65	7.06	5.30	1.26	
February	3.65	3.94	0.85	0.00	5.30	9.12	2.44	2.44	6.68	5.30	0.00	
March	4.33	4.67	1.27	0.00	5.30	9.51	2.95	2.95	2.08	5.30	0.00	
April	5.08	5.48	0.00	0.00	5.30	5.99	3.91	3.91	0.00	5.30	0.00	
May	0.64	0.69	0.00	0.00	2.08	2.08	4.25	4.25	0.00	5.30	0.00	
June	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00	
July	0.00	0.00	0.00	0.00	0.00	0.03	4.15	4.15	0.00	5.30	0.00	
August	0.03	0.03	0.00	0.00	0.00	0.10	3.54	3.54	0.00	5.30	0.00	
September	0.09	0.10	0.00	0.00	0.00	0.00						
Total Mean Yield											5.910	
32.40 34.94 9.32 26.7%												

1963-1964												
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation	
		2.67	0.13	0.00	0.00	2.55	2.81	2.81	0.00	5.30	0.00	
October	2.48	4.31	0.69	0.00	0.00	3.63	1.30	1.30	2.33	5.30	0.00	
November	4.00	1.12	0.00	0.00	2.33	3.45	0.98	0.98	2.47	5.30	0.03	
December	1.04	5.74	1.41	0.00	2.47	6.79	1.46	1.46	5.33	5.30	0.00	
January	5.32	0.56	0.00	0.00	5.30	5.86	1.65	1.65	4.21	5.30	0.00	
February	0.52	2.65	0.12	0.00	4.21	6.74	2.44	2.44	4.30	5.30	0.00	
March	2.46	0.25	0.00	0.00	4.30	4.55	2.95	2.95	1.60	5.30	0.00	
April	0.23	0.51	0.00	0.00	1.60	2.11	3.91	3.91	0.00	5.30	0.00	
May	0.47	0.00	0.00	0.00	0.00	0.63	4.25	4.25	0.00	5.30	0.00	
June	0.58	0.63	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00	
July	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00	
August	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00	
September	0.00	0.00	0.00	0.00	0.00	0.00						
Total Mean Yield											0.035	
17.10 18.44 2.35 12.7%												

1964-1965												
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation	
		2.04	0.02	0.00	0.00	2.02	2.81	2.81	0.00	5.30	0.00	
October	1.89	3.35	0.32	0.00	0.00	3.04	1.30	1.30	1.74	5.30	0.00	
November	3.11	8.09	2.91	0.00	1.74	6.92	0.98	0.98	5.94	5.30	0.64	
December	7.50	4.76	0.89	0.00	5.30	9.16	1.46	1.46	7.70	5.30	2.40	
January	4.41	1.51	0.00	0.00	5.30	6.81	1.65	1.65	5.16	5.30	0.00	
February	1.40	1.70	0.00	0.00	5.16	6.86	2.44	2.44	4.42	5.30	0.45	
March	1.58	1.35	0.00	0.00	4.42	8.70	2.95	2.95	5.75	5.30	0.00	
April	5.22	5.63	1.35	0.00	4.22	5.30	3.91	3.91	1.39	5.30	0.00	
May	0.00	0.00	0.00	0.00	1.39	1.45	4.25	4.25	0.00	5.30	0.00	
June	0.06	0.06	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00	
July	0.00	0.00	0.00	0.00	0.00	0.25	4.15	4.15	0.00	5.30	0.00	
August	0.23	0.25	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00	
September	0.00	0.00	0.00	0.00	0.00	0.00						
Total Mean Yield											3.496	
25.40 27.39 5.49 20.0%												

1965-1966												
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation	
		0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00	
October	0.00	6.02	1.57	0.00	0.00	4.45	1.30	1.30	3.15	5.30	0.00	
November	5.58	5.35	1.20	0.00	3.15	7.30	0.98	0.98	6.32	5.30	1.02	
December	4.96	4.07	0.58	0.00	5.30	8.78	1.46	1.46	7.32	5.30	1.67	
January	3.77	3.79	0.47	0.00	5.30	8.62	1.65	1.65	6.97	5.30	0.00	
February	3.51	0.73	0.00	0.00	5.30	6.03	2.44	2.44	3.59	5.30	0.00	
March	0.68	0.77	0.00	0.00	3.59	4.36	2.95	2.95	1.41	5.30	0.00	
April	0.71	0.22	0.00	0.00	1.41	1.62	3.91	3.91	0.00	5.30	0.00	
May	0.20	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00	
June	0.00	0.00	0.00	0.00	0.00	0.13	4.27	4.27	0.00	5.30	0.00	
July	0.12	0.13	0.00	0.00	0.00	0.29	4.15	4.15	0.00	5.30	0.00	
August	0.27	0.29	0.00	0.00	0.00	0.27	3.54	3.54	0.00	5.30	0.00	
September	0.25	0.27	0.00	0.00	0.00	0.00						
Total Mean Yield											4.709	
20.05 21.62 3.82 17.7%												

Percolation for Portola Subarea

1966-1967											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.00	0.00	0.00	0.00	0.00	0.00	2.81	2.81	0.00	5.30	0.00
November	5.18	5.59	1.33	0.00	0.00	4.26	1.30	1.30	2.96	5.30	0.00
December	3.62	3.90	0.52	0.00	2.96	6.35	0.98	0.98	5.37	5.30	4.52
January	10.44	11.28	0.00	0.00	5.30	11.28	1.46	1.46	9.82	5.30	0.00
February	0.25	0.27	1.96	0.00	5.30	5.57	1.65	1.65	3.92	5.30	0.88
March	6.18	6.66	2.85	0.00	5.30	8.82	2.44	2.44	6.18	5.30	2.21
April	7.43	8.01	0.00	0.00	1.66	3.21	2.95	2.95	7.51	5.30	0.00
May	0.25	0.27	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
June	1.44	1.55	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00					
September	0.00	0.00	0.00	0.00	0.00	0.00					
Total Mean Yield											7.675

1967-1968											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.76	0.82	0.00	0.00	0.00	0.82	2.81	2.81	0.00	5.30	0.00
November	2.13	2.30	0.06	0.00	0.00	2.24	1.30	1.30	0.94	5.30	0.00
December	2.89	3.12	0.24	0.00	0.94	3.82	0.98	0.98	2.84	5.30	0.78
January	6.19	6.68	1.97	0.00	2.84	7.54	1.46	1.46	6.08	5.30	1.01
February	2.62	2.83	0.16	0.00	5.30	7.96	1.65	1.65	6.31	5.30	2.09
March	5.78	6.23	1.70	0.00	5.30	9.83	2.44	2.44	7.39	5.30	0.00
April	0.61	0.66	0.00	0.00	5.30	5.96	2.95	2.95	3.01	5.30	0.00
May	0.24	0.26	0.00	0.00	3.01	3.27	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.28	0.30	0.00	0.00	0.00	0.30	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00					
Total Mean Yield											3.888

1968-1969											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.65	0.70	0.18	0.00	0.00	0.70	2.81	2.81	0.00	5.30	0.00
November	2.89	2.90	1.78	0.00	0.00	2.72	1.30	1.30	1.42	5.30	0.00
December	5.90	6.36	3.33	0.00	1.42	6.00	0.98	0.98	5.02	5.30	3.62
January	8.06	8.69	3.82	0.00	5.30	10.38	1.46	1.46	8.92	5.30	3.89
February	8.68	9.36	3.82	0.00	5.30	7.49	2.44	2.44	5.05	5.30	0.00
March	2.07	2.23	0.05	0.00	5.30	7.82	2.95	2.95	4.87	5.30	0.00
April	2.76	2.98	0.20	0.00	4.87	4.93	3.91	3.91	1.02	5.30	0.00
May	0.06	0.06	0.00	0.00	1.02	1.46	4.25	4.25	0.00	5.30	0.00
June	0.40	0.43	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.23	3.54	3.54	0.00	5.30	0.00
September	0.21	0.23	0.00	0.00	0.00	0.00					
Total Mean Yield											7.512

1969-1970											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.73	1.87	0.01	0.00	0.00	1.86	2.81	2.81	0.00	5.30	0.00
November	0.76	0.82	0.00	0.00	0.00	0.82	1.30	1.30	0.00	5.30	0.00
December	4.55	4.91	0.97	0.00	0.00	3.94	0.98	0.98	2.96	5.30	1.69
January	8.49	9.16	3.67	0.00	2.96	8.45	1.46	1.46	6.99	5.30	0.75
February	2.31	2.49	0.09	0.00	5.30	7.70	1.65	1.65	6.05	5.30	0.00
March	2.04	2.20	0.04	0.00	5.30	7.46	2.44	2.44	5.02	5.30	0.00
April	0.32	0.35	0.00	0.00	5.30	5.36	2.95	2.95	2.41	5.30	0.00
May	0.27	0.29	0.00	0.00	2.41	2.70	3.91	3.91	0.00	5.30	0.00
June	0.21	0.23	0.00	0.00	0.00	0.23	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											2.437

1970-1971											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.90	0.97	0.00	0.00	0.00	0.97	2.81	2.81	0.00	5.30	0.00
November	8.41	9.07	3.61	0.00	0.00	5.46	1.30	1.30	4.16	5.30	0.00
December	7.67	8.27	3.03	0.00	4.16	9.40	0.98	0.98	8.42	5.30	0.27
January	1.61	1.74	0.00	0.00	5.30	7.03	1.46	1.46	5.57	5.30	0.00
February	0.76	0.82	0.46	0.00	5.30	6.12	1.65	1.65	4.47	5.30	0.03
March	3.49	3.76	0.00	0.00	4.47	7.77	2.44	2.44	5.33	5.30	0.00
April	1.51	1.63	0.00	0.00	5.30	6.93	2.95	2.95	3.98	5.30	0.00
May	0.53	0.57	0.00	0.00	3.98	4.55	3.91	3.91	0.64	5.30	0.00
June	0.08	0.09	0.00	0.00	0.64	0.73	4.25	4.25	0.00	5.30	0.00
July	0.28	0.30	0.00	0.00	0.00	0.30	4.27	4.27	0.00	5.30	0.00
August	0.36	0.39	0.00	0.00	0.00	0.39	4.15	4.15	0.00	5.30	0.00
September	0.40	0.43	0.00	0.00	0.00	0.43	3.54	3.54	0.00	5.30	0.00
Total Mean Yield											3.427

Percolation for Portola Subarea

1971-1972											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	0.25	2.81	2.81	0.00	5.30	0.00
October	0.23	0.25	0.00	0.00	0.00	2.38	1.30	1.30	1.08	5.30	0.00
November	2.29	2.47	0.09	0.00	1.08	5.31	0.98	0.98	4.33	5.30	0.00
December	5.10	5.50	1.28	0.00	4.33	5.70	1.46	1.46	4.24	5.30	0.00
January	1.27	1.37	0.00	0.00	4.24	5.67	1.65	1.65	4.02	5.30	0.00
February	1.33	1.43	0.00	0.00	4.02	4.22	2.44	2.44	1.78	5.30	0.00
March	0.19	0.20	0.00	0.00	1.78	3.13	2.95	2.95	0.18	5.30	0.00
April	1.25	1.35	0.00	0.00	0.18	0.30	3.91	3.91	0.00	5.30	0.00
May	0.11	0.12	0.00	0.00	0.00	0.30	4.25	4.25	0.00	5.30	0.00
June	0.28	0.30	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	1.06	3.54	3.54	0.00	5.30	0.00
September	0.98	1.06	0.00	0.00	0.00						
Total Mean Yield											0.000
13.03		14.05		1.36		9.7%					

1972-1973											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	4.98	2.81	2.81	2.17	5.30	0.00
October	6.90	7.44	2.46	0.00	0.00	2.17	6.99	1.30	1.30	5.69	0.39
November	6.49	7.00	2.18	0.00	5.30	8.38	0.98	0.98	7.40	5.30	2.10
December	3.17	3.42	0.34	0.00	5.30	10.87	1.46	1.46	9.41	5.30	4.11
January	8.78	9.47	3.90	0.00	5.30	10.43	1.65	1.65	8.78	5.30	3.48
February	7.33	7.90	2.78	0.00	5.30	5.30	2.44	2.44	2.86	5.30	0.00
March		0.00	0.00	0.00	2.86	3.11	2.95	2.95	0.16	5.30	0.00
April	0.23	0.25	0.00	0.00	0.16	0.38	3.91	3.91	0.00	5.30	0.00
May	0.21	0.23	0.00	0.00	0.00	0.05	4.25	4.25	0.00	5.30	0.00
June	0.05	0.05	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.10	4.15	4.15	0.00	5.30	0.00
August	0.09	0.10	0.00	0.00	0.00	0.67	3.54	3.54	0.00	5.30	0.00
September	0.62	0.67	0.00	0.00	0.00						
Total yield											10.074
33.87		36.52		11.66		31.9%					

1973-1974											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	2.99	2.81	2.81	0.18	5.30	0.00
October	3.04	3.28	0.29	0.00	0.18	5.93	1.30	1.30	4.63	5.30	0.00
November	9.50	10.24	4.49	0.00	4.63	9.39	0.98	0.98	8.41	5.30	3.11
December	6.32	6.82	2.06	0.00	5.30	9.41	1.46	1.46	7.95	5.30	2.65
January	4.87	5.25	1.14	0.00	5.30	7.57	1.65	1.65	5.92	5.30	0.62
February	2.16	2.33	0.06	0.00	5.30	10.38	2.44	2.44	7.94	5.30	2.64
March	7.20	7.76	2.68	0.00	5.30	8.42	2.95	2.95	5.47	5.30	0.17
April	3.22	3.47	0.36	0.00	5.30	5.31	3.91	3.91	1.40	5.30	0.00
May	0.01	0.01	0.00	0.00	1.40	1.94	4.25	4.25	0.00	5.30	0.00
June	0.50	0.54	0.00	0.00	0.00	1.09	4.27	4.27	0.00	5.30	0.00
July	1.01	1.09	0.00	0.00	0.00	0.14	4.15	4.15	0.00	5.30	0.00
August	0.13	0.14	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00						
Total yield											9.184
37.96		40.93		11.08		27.1%					

1974-1975											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	1.47	2.81	2.81	0.00	5.30	0.00
October	1.36	1.47	0.00	0.00	0.00	0.69	1.30	1.30	0.00	5.30	0.00
November	0.64	0.69	0.00	0.00	0.00	3.40	0.98	0.98	2.42	5.30	0.00
December	3.64	3.93	0.52	0.00	2.42	5.34	1.46	1.46	3.88	5.30	0.00
January	2.95	3.18	0.26	0.00	3.88	7.99	1.65	1.65	6.34	5.30	1.04
February	4.88	5.26	1.15	0.00	5.30	10.35	2.44	2.44	7.91	5.30	2.61
March	7.11	7.67	2.62	0.00	5.30	7.55	2.95	2.95	4.60	5.30	0.00
April	2.14	2.31	0.06	0.00	4.60	4.71	3.91	3.91	0.80	5.30	0.00
May	0.10	0.11	0.00	0.00	0.80	1.10	4.25	4.25	0.00	5.30	0.00
June	0.28	0.30	0.00	0.00	0.00	0.56	4.27	4.27	0.00	5.30	0.00
July	0.52	0.56	0.00	0.00	0.00	0.64	4.15	4.15	0.00	5.30	0.00
August	0.59	0.64	0.00	0.00	0.00	0.02	3.54	3.54	0.00	5.30	0.00
September	0.02	0.02	0.00	0.00	0.00						
Total yield											3.655
24.23		26.13		4.61		17.6%					

1975-1976											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
					0.00	3.91	2.81	2.81	1.10	5.30	0.00
October	4.49	4.84	0.93	0.00	0.00	2.01	1.30	1.30	0.71	5.30	0.00
November	0.85	0.92	0.00	0.00	0.71	1.46	0.98	0.98	0.48	5.30	0.00
December	0.69	0.74	0.00	0.00	0.48	1.04	1.46	1.46	0.00	5.30	0.00
January	0.52	0.56	0.00	0.00	0.00	2.60	1.65	1.65	0.95	5.30	0.00
February	2.54	2.74	0.14	0.00	0.95	2.17	2.44	2.44	0.00	5.30	0.00
March	1.13	1.22	0.00	0.00	0.00	2.16	2.95	2.95	0.00	5.30	0.00
April	2.04	2.20	0.04	0.00	0.00	0.14	3.91	3.91	0.00	5.30	0.00
May	0.13	0.14	0.00	0.00	0.00	0.04	4.25	4.25	0.00	5.30	0.00
June	0.04	0.04	0.00	0.00	0.00	0.15	4.27	4.27	0.00	5.30	0.00
July	0.14	0.15	0.00	0.00	0.00	1.68	4.15	4.15	0.00	5.30	0.00
August	1.56	1.68	0.00	0.00	0.00	0.64	3.54	3.54	0.00	5.30	0.00
September	0.59	0.64	0.00	0.00	0.00						
Total yield											0.000
14.72		15.87		1.12		7.1%					

Percolation for Portola Subarea

1976-1977											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.30	0.32	0.00	0.00	0.00	0.32	2.81	2.81	0.00	5.30	0.00
November	1.73	1.87	0.01	0.00	0.00	1.86	1.30	1.30	0.56	5.30	0.00
December	2.41	2.60	0.11	0.00	0.56	3.05	0.98	0.98	2.07	5.30	0.00
January	2.26	2.44	0.08	0.00	2.07	4.42	1.46	1.46	2.96	5.30	0.00
February	1.31	1.41	0.00	0.00	2.96	4.38	1.65	1.65	2.73	5.30	0.00
March	3.15	3.40	0.00	0.00	2.73	5.79	2.44	2.44	3.35	5.30	0.00
April	0.20	0.22	0.00	0.00	3.35	3.57	2.95	2.95	0.62	5.30	0.00
May	1.23	1.33	0.00	0.00	0.62	1.94	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.16	0.17	0.00	0.00	0.00	0.17	4.27	4.27	0.00	5.30	0.00
August	0.27	0.29	0.00	0.00	0.00	0.29	4.15	4.15	0.00	5.30	0.00
September	1.59	1.71	0.00	0.00	0.00	1.71	3.54	3.54	0.00	5.30	0.00
Total yield											0.00
14.61											15.75
0.53											3.4%

1977-1978											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.47	0.51	0.00	0.00	0.00	0.51	2.81	2.81	0.00	5.30	0.00
November	3.97	3.63	0.41	0.00	0.00	3.22	1.30	1.30	1.92	5.30	0.10
December	5.60	6.04	1.58	0.00	1.92	6.38	0.98	0.98	5.40	5.30	4.17
January	9.01	9.72	4.09	0.00	5.30	10.93	1.46	1.46	9.47	5.30	2.81
February	5.62	6.06	1.60	0.00	5.30	9.76	1.65	1.65	8.11	5.30	2.01
March	5.58	6.02	1.57	0.00	5.30	9.75	2.44	2.44	7.31	5.30	0.96
April	4.50	4.85	0.94	0.00	5.30	9.21	2.95	2.95	6.26	5.30	0.00
May	0.00	0.00	0.00	0.00	5.30	5.30	3.91	3.91	1.39	5.30	0.00
June	0.00	0.00	0.00	0.00	1.39	1.39	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total yield											10.047
34.15											36.83
10.19											27.7%

1978-1979											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.05	0.05	0.00	0.00	0.00	0.05	2.81	2.81	0.00	5.30	0.00
November	3.04	3.28	0.29	0.00	0.00	2.99	1.30	1.30	1.69	5.30	0.00
December	0.83	0.90	0.00	0.00	1.69	2.58	0.98	0.98	1.60	5.30	0.22
January	8.11	8.75	3.37	0.00	1.60	6.98	1.46	1.46	5.52	5.30	3.09
February	6.27	6.76	2.02	0.00	5.30	10.04	1.65	1.65	8.39	5.30	1.65
March	4.83	5.21	1.12	0.00	5.30	9.39	2.44	2.44	6.95	5.30	0.00
April	0.89	0.96	0.00	0.00	5.30	6.26	2.95	2.95	3.31	5.30	0.00
May	0.85	0.92	0.00	0.00	3.31	4.23	3.91	3.91	0.32	5.30	0.00
June	0.00	0.00	0.00	0.00	0.32	0.32	4.25	4.25	0.00	5.30	0.00
July	0.29	0.31	0.00	0.00	0.00	0.31	4.27	4.27	0.00	5.30	0.00
August	0.13	0.14	0.00	0.00	0.00	0.14	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total yield											4.951
25.29											27.27
6.81											25.0%

1979-1980											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.23	3.48	0.36	0.00	0.00	3.12	2.81	2.81	0.31	5.30	0.00
November	3.97	4.28	0.67	0.00	0.31	3.92	1.30	1.30	2.62	5.30	0.87
December	5.76	6.21	1.69	0.00	2.62	7.15	0.98	0.98	6.17	5.30	2.90
January	5.40	5.82	1.46	0.00	5.30	9.66	1.46	1.46	8.20	5.30	3.53
February	7.49	8.08	2.90	0.00	5.30	10.48	1.65	1.65	8.83	5.30	0.00
March	1.90	2.05	0.02	0.00	5.30	7.33	2.44	2.44	4.89	5.30	0.00
April	1.88	2.03	0.02	0.00	4.89	6.89	2.95	2.95	3.94	5.30	0.00
May	0.32	0.35	0.00	0.00	3.94	4.29	3.91	3.91	0.38	5.30	0.00
June	0.03	0.03	0.00	0.00	0.38	0.41	4.25	4.25	0.00	5.30	0.00
July	0.07	0.08	0.00	0.00	0.00	0.08	4.27	4.27	0.00	5.30	0.00
August	0.05	0.05	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
September	0.18	0.19	0.00	0.00	0.00	0.19	3.54	3.54	0.00	5.30	0.00
Total yield											7.301
30.28											32.65
7.12											21.8%

1980-1981											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.18	0.19	0.00	0.00	0.00	0.19	2.81	2.81	0.00	5.30	0.00
November	0.65	0.70	0.00	0.00	0.00	0.70	1.30	1.30	0.00	5.30	0.00
December	2.44	2.63	0.12	0.00	0.00	2.51	0.98	0.98	1.53	5.30	0.00
January	7.48	8.07	2.89	0.00	1.53	6.71	1.46	1.46	5.25	5.30	0.80
February	2.42	2.61	0.11	0.00	5.25	7.75	1.65	1.65	6.10	5.30	1.58
March	4.71	5.08	1.05	0.00	5.30	9.32	2.44	2.44	6.88	5.30	0.00
April	0.24	0.26	0.00	0.00	5.30	5.56	2.95	2.95	2.61	5.30	0.00
May	0.33	0.36	0.00	0.00	2.61	2.96	3.91	3.91	0.00	5.30	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.42	0.45	0.00	0.00	0.00	0.45	4.15	4.15	0.00	5.30	0.00
September	0.37	0.40	0.00	0.00	0.00	0.40	3.54	3.54	0.00	5.30	0.00
Total yield											2.380
19.24											20.75
4.18											20.1%

Percolation for Portola Subarea

1981-1982											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.98	4.29	0.68	0.00	0.00	3.61	2.81	2.81	0.80	5.30	0.00
November	7.08	7.63	2.59	0.00	0.80	5.84	1.30	1.30	4.54	5.30	0.00
December	6.00	6.47	1.84	0.00	4.54	9.17	0.98	0.98	8.19	5.30	2.89
January	12.01	12.95	6.66	0.00	5.30	11.59	1.46	1.46	10.13	5.30	4.83
February	5.11	5.51	1.28	0.00	5.30	9.53	1.65	1.65	7.88	5.30	2.58
March	7.91	8.53	3.22	0.00	5.30	10.61	2.44	2.44	8.17	5.30	1.23
April	5.02	5.41	1.23	0.00	5.30	9.48	2.95	2.95	6.53	5.30	0.00
May	0.00	0.00	0.00	0.00	5.30	5.30	3.91	3.91	1.39	5.30	0.00
June	0.42	0.45	0.00	0.00	0.00	1.84	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.15	0.16	0.00	0.00	0.00	0.16	4.15	4.15	0.00	5.30	0.00
September	1.73	1.87	0.01	0.00	0.00	1.86	3.54	3.54	0.00	5.30	0.00
Total yield											14.406
49.41 53.28 17.51 32.9%											

1982-1983											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.82	4.12	0.60	0.00	0.00	3.52	2.81	2.81	0.71	5.30	0.00
November	7.03	7.58	2.56	0.00	0.71	5.73	1.30	1.30	4.43	5.30	0.00
December	5.41	5.83	1.47	0.00	4.43	8.80	0.98	0.98	7.82	5.30	2.52
January	8.98	9.68	4.06	0.00	5.30	10.92	1.46	1.46	9.46	5.30	4.01
February	9.14	9.86	4.19	0.00	5.30	10.96	1.65	1.65	9.31	5.30	4.03
March	13.05	14.07	7.60	0.00	5.30	11.77	2.44	2.44	9.33	5.30	0.24
April	3.33	3.59	0.40	0.00	5.30	8.49	2.95	2.95	5.54	5.30	0.00
May	0.89	0.96	0.00	0.00	5.30	6.26	3.91	3.91	2.35	5.30	0.00
June	0.03	0.03	0.00	0.00	2.35	2.38	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.14	0.15	0.00	0.00	0.00	0.15	4.15	4.15	0.00	5.30	0.00
September	0.80	0.86	0.00	0.00	0.00	0.86	3.54	3.54	0.00	5.30	0.00
Total yield											14.969
52.62 56.74 20.88 36.8%											

1983-1984											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.12	1.21	0.00	0.00	0.00	1.21	2.81	2.81	0.00	5.30	0.00
November	8.07	8.70	3.34	0.00	0.00	5.36	1.30	1.30	4.06	5.30	0.00
December	9.46	10.20	4.46	0.00	4.06	9.81	0.98	0.98	8.83	5.30	3.53
January	0.26	0.28	0.00	0.00	5.30	5.58	1.46	1.46	4.12	5.30	0.00
February	2.15	2.32	0.06	0.00	4.12	6.38	1.65	1.65	4.73	5.30	0.00
March	2.12	2.29	0.05	0.00	4.73	6.96	2.44	2.44	4.52	5.30	0.00
April	1.09	1.18	0.00	0.00	4.52	5.70	2.95	2.95	2.75	5.30	0.00
May	0.20	0.22	0.00	0.00	2.75	2.96	3.91	3.91	0.00	5.30	0.00
June	0.46	0.50	0.00	0.00	0.00	0.50	4.25	4.25	0.00	5.30	0.00
July	0.06	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
August	0.33	0.36	0.00	0.00	0.00	0.36	4.15	4.15	0.00	5.30	0.00
September	0.18	0.19	0.00	0.00	0.00	0.19	3.54	3.54	0.00	5.30	0.00
Total yield											3.527
25.50 27.50 7.91 28.8%											

1984-1985											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	3.81	4.11	0.60	0.00	0.00	3.51	2.81	2.81	0.70	5.30	0.00
November	9.86	10.63	4.79	0.00	0.70	6.54	1.30	1.30	5.24	5.30	0.00
December	3.20	3.45	0.35	0.00	5.24	8.35	0.98	0.98	7.37	5.30	2.07
January	1.02	1.10	0.00	0.00	5.30	6.40	1.46	1.46	4.94	5.30	0.00
February	2.90	3.13	0.24	0.00	4.94	7.82	1.65	1.65	6.17	5.30	1.77
March	5.07	5.47	1.26	0.00	5.30	9.51	2.44	2.44	7.07	5.30	0.00
April	0.13	0.14	0.00	0.00	5.30	5.44	2.95	2.95	2.49	5.30	0.00
May	0.32	0.35	0.00	0.00	2.49	2.84	3.91	3.91	0.00	5.30	0.00
June	0.47	0.51	0.00	0.00	0.00	0.51	4.25	4.25	0.00	5.30	0.00
July	0.31	0.33	0.00	0.00	0.00	0.33	4.27	4.27	0.00	5.30	0.00
August	0.05	0.05	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
September	0.40	0.43	0.00	0.00	0.00	0.43	3.54	3.54	0.00	5.30	0.00
Total yield											4.705
27.54 29.70 7.24 24.4%											

1985-1986											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	1.51	1.63	0.00	0.00	0.00	1.63	2.81	2.81	0.00	5.30	0.00
November		0.00	0.00	0.00	0.00	0.00	1.30	1.30	0.00	5.30	0.00
December	3.18	3.43	0.34	0.00	0.00	3.09	0.98	0.98	2.11	5.30	0.00
January	4.98	5.37	1.21	0.00	2.11	6.27	1.46	1.46	4.81	5.30	0.00
February	11.48	12.38	6.19	0.00	4.81	11.00	1.65	1.65	9.35	5.30	4.05
March	7.12	7.68	2.62	0.00	5.30	10.35	2.44	2.44	7.91	5.30	2.61
April	0.50	0.54	0.00	0.00	5.30	5.84	2.95	2.95	2.89	5.30	0.00
May	0.84	0.91	0.00	0.00	2.89	3.80	3.91	3.91	0.00	5.30	0.00
June	0.09	0.10	0.00	0.00	0.00	0.10	4.25	4.25	0.00	5.30	0.00
July	0.08	0.09	0.00	0.00	0.00	0.09	4.27	4.27	0.00	5.30	0.00
August	0.25	0.27	0.00	0.00	0.00	0.27	4.15	4.15	0.00	5.30	0.00
September	2.20	2.37	0.07	0.00	0.00	2.30	3.54	3.54	0.00	5.30	0.00
Total yield											6.667
32.23 34.76 10.43 30.0%											

Percolation for Portola Subarea

1986-1987											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.42	0.45	0.00	0.00	0.00	0.45	2.81	2.81	0.00	5.30	0.00
November	0.32	0.35	0.00	0.00	0.00	0.35	1.30	1.30	0.00	5.30	0.00
December	3.10	3.34	0.31	0.00	0.00	3.03	0.98	0.98	2.05	5.30	0.00
January	5.10	5.50	1.28	0.00	2.05	6.27	1.46	1.46	4.81	5.30	1.41
February	3.87	4.17	0.63	0.00	4.81	8.36	1.65	1.65	6.71	5.30	1.28
March	4.16	4.49	0.77	0.00	5.30	9.02	2.44	2.44	6.58	5.30	0.00
April	0.95	1.02	0.00	0.00	5.30	6.32	2.95	2.95	3.37	5.30	0.00
May	0.06	0.06	0.00	0.00	3.37	3.44	3.91	3.91	0.00	5.30	0.00
June	0.08	0.09	0.00	0.00	0.00	0.09	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.10	0.11	0.00	0.00	0.00	0.11	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total yield											2.691
18.16		19.58		2.98		15.2%					

1987-1988											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.13	2.30	0.06	0.00	0.00	2.24	2.81	2.81	0.00	5.30	0.00
November	2.63	2.84	0.17	0.00	0.00	2.67	1.30	1.30	1.37	5.30	0.00
December	6.03	6.50	1.86	0.00	1.37	6.01	0.98	0.98	5.03	5.30	2.17
January	4.48	4.83	0.93	0.00	5.03	8.93	1.46	1.46	7.47	5.30	0.00
February	0.58	0.63	0.00	0.00	5.30	5.93	1.65	1.65	4.28	5.30	0.00
March	0.12	0.13	0.00	0.00	4.28	4.40	2.44	2.44	1.96	5.30	0.00
April	3.04	3.28	0.29	0.00	1.96	4.95	2.95	2.95	2.00	5.30	0.00
May	0.69	0.74	0.00	0.00	2.00	2.75	3.91	3.91	0.00	5.30	0.00
June	0.29	0.31	0.00	0.00	0.00	0.31	4.25	4.25	0.00	5.30	0.00
July	0.01	0.01	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.01	0.02	0.00	0.00	0.00	0.01	4.15	4.15	0.00	5.30	0.00
September	0.02	0.02	0.00	0.00	0.00	0.02	3.54	3.54	0.00	5.30	0.00
Total yield											2.172
20.02		21.59		3.30		15.3%					

1988-1989											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.94	1.01	0.00	0.00	0.00	1.01	2.81	2.81	0.00	5.30	0.00
November	3.55	3.83	0.49	0.00	0.00	3.34	1.30	1.30	2.04	5.30	0.00
December	5.17	5.58	1.32	0.00	2.04	6.30	0.98	0.98	5.32	5.30	0.67
January	2.01	2.17	0.04	0.00	5.30	7.43	1.46	1.46	5.97	5.30	0.00
February	1.30	1.40	0.00	0.00	5.30	6.70	1.65	1.65	5.05	5.30	2.64
March	7.95	8.57	3.25	0.00	5.05	10.38	2.44	2.44	7.94	5.30	0.00
April	1.83	1.97	0.02	0.00	5.30	7.26	2.95	2.95	4.31	5.30	0.00
May	0.31	0.33	0.00	0.00	4.31	4.64	3.91	3.91	0.73	5.30	0.00
June	0.10	0.11	0.00	0.00	0.73	0.84	4.25	4.25	0.00	5.30	0.00
July	0.13	0.14	0.00	0.00	0.00	0.14	4.27	4.27	0.00	5.30	0.00
August	0.27	0.29	0.00	0.00	0.00	0.29	4.15	4.15	0.00	5.30	0.00
September	0.95	1.02	0.00	0.00	0.00	1.02	3.54	3.54	0.00	5.30	0.00
Total yield											3.326
24.51		26.43		5.11		19.3%					

1989-1990											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	2.05	2.21	0.04	0.00	0.00	2.17	2.81	2.81	0.00	5.30	0.00
November	1.95	2.10	0.03	0.00	0.00	2.07	1.30	1.30	0.77	5.30	0.00
December	0.03	0.03	0.00	0.00	0.77	0.81	0.98	0.98	0.00	5.30	0.00
January	4.29	4.63	0.83	0.00	0.00	3.80	1.46	1.46	2.34	5.30	0.00
February	2.52	2.72	0.14	0.00	2.34	4.92	1.65	1.65	3.27	5.30	0.00
March	1.33	1.43	0.00	0.00	3.27	4.70	2.44	2.44	2.26	5.30	0.00
April	0.29	0.31	0.00	0.00	2.26	2.57	2.95	2.95	0.00	5.30	0.00
May	2.82	3.04	0.22	0.00	0.00	2.82	3.91	3.91	0.00	5.30	0.00
June	0.46	0.50	0.00	0.00	0.00	0.50	4.25	4.25	0.00	5.30	0.00
July	0.24	0.26	0.00	0.00	0.00	0.26	4.27	4.27	0.00	5.30	0.00
August	0.14	0.15	0.00	0.00	0.00	0.15	4.15	4.15	0.00	5.30	0.00
September	0.33	0.36	0.00	0.00	0.00	0.36	3.54	3.54	0.00	5.30	0.00
Total yield											0.000
16.45		17.74		1.26		7.1%					

1990-1991											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.55	0.59	0.00	0.00	0.00	0.59	2.81	2.81	0.00	5.30	0.00
November	0.74	0.80	0.00	0.00	0.00	0.80	1.30	1.30	0.00	5.30	0.00
December	2.58	2.78	0.15	0.00	0.00	2.63	0.98	0.98	1.65	5.30	0.00
January	0.56	0.60	0.00	0.00	1.65	2.25	1.46	1.46	0.79	5.30	0.00
February	4.19	4.52	0.78	0.00	0.79	4.53	1.65	1.65	2.88	5.30	0.72
March	8.81	9.50	3.93	0.00	2.88	8.46	2.44	2.44	6.02	5.30	0.00
April	0.90	0.97	0.00	0.00	5.30	6.27	2.95	2.95	3.32	5.30	0.00
May	0.67	0.72	0.00	0.00	3.32	4.04	3.91	3.91	0.13	5.30	0.00
June	0.32	0.35	0.00	0.00	0.13	0.48	4.25	4.25	0.00	5.30	0.00
July	0.27	0.29	0.00	0.00	0.00	0.29	4.27	4.27	0.00	5.30	0.00
August	0.92	0.99	0.00	0.00	0.00	0.99	4.15	4.15	0.00	5.30	0.00
September	0.25	0.27	0.00	0.00	0.00	0.27	3.54	3.54	0.00	5.30	0.00
Total yield											0.717
20.76		22.39		4.86		21.7%					

Percolation for Portola Subarea

1991-1992											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		2.84	0.17	0.00	0.00	2.67	2.81	2.81	0.00	5.30	0.00
October	2.63	1.09	0.00	0.00	0.00	1.09	1.30	1.30	0.00	5.30	0.00
November	1.01	3.88	0.51	0.00	0.00	3.38	0.98	0.98	2.40	5.30	0.00
December	3.60	3.43	0.34	0.00	2.40	5.48	1.46	1.46	4.02	5.30	2.62
January	3.18	9.38	3.84	0.00	4.02	9.57	1.65	1.65	7.92	5.30	0.84
February	8.70	3.72	0.44	0.00	5.30	8.58	2.44	2.44	6.14	5.30	0.00
March	3.45	0.43	0.00	0.00	2.78	2.85	3.91	3.91	0.00	5.30	0.00
April	0.40	0.06	0.00	0.00	0.00	0.91	4.25	4.25	0.00	5.30	0.00
May	0.06	0.91	0.00	0.00	0.00	0.02	4.27	4.27	0.00	5.30	0.00
June	0.84	0.02	0.00	0.00	0.00	0.19	4.15	4.15	0.00	5.30	0.00
July	0.02	0.19	0.00	0.00	0.00	0.13	3.54	3.54	0.00	5.30	0.00
August	0.18	0.13	0.00	0.00	0.00						
September	0.12										
Total yield											3.455
24.19 26.09 5.29 20.3%											

1992-1993											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		3.11	0.24	0.00	0.00	0.67	2.81	2.81	0.06	5.30	0.00
October	2.88	0.72	0.00	0.00	0.06	0.78	1.30	1.30	0.00	5.30	0.00
November	0.67	8.73	3.36	0.00	0.00	5.37	0.98	0.98	4.39	5.30	3.31
December	8.10	9.93	4.25	0.00	4.39	10.07	1.46	1.46	8.61	5.30	2.80
January	9.21	6.03	1.58	0.00	5.30	9.75	1.65	1.65	5.66	5.30	0.36
February	5.99	3.01	0.21	0.00	5.30	8.10	2.44	2.44	4.16	5.30	0.00
March	2.79	1.81	0.01	0.00	5.30	7.11	2.95	2.95	1.73	5.30	0.00
April	1.68	1.49	0.00	0.00	4.16	5.64	3.91	3.91	0.00	5.30	0.00
May	1.38	0.52	0.00	0.00	1.73	2.25	4.25	4.25	0.00	5.30	0.00
June	0.48	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
July	0.06	0.18	0.00	0.00	0.00	0.18	4.15	4.15	0.00	5.30	0.00
August	0.17	0.23	0.00	0.00	0.00	0.23	3.54	3.54	0.00	5.30	0.00
September	0.21										
Total yield											6.471
33.22 35.82 9.65 26.9%											

1993-1994											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		0.67	0.00	0.00	0.00	0.67	2.81	2.81	0.00	5.30	0.00
October	0.62	1.67	0.00	0.00	0.00	1.67	1.30	1.30	0.37	5.30	0.00
November	1.55	2.99	0.20	0.00	0.37	3.15	0.98	0.98	2.17	5.30	0.00
December	2.77	2.84	0.17	0.00	2.17	4.84	1.46	1.46	3.38	5.30	0.89
January	2.63	6.05	1.59	0.00	3.38	7.84	1.65	1.65	6.19	5.30	0.00
February	5.61	0.83	0.00	0.00	5.30	6.13	2.44	2.44	3.69	5.30	0.00
March	0.77	1.99	0.02	0.00	3.69	5.67	2.95	2.95	0.72	5.30	0.00
April	1.85	1.77	0.00	0.00	2.72	4.48	3.91	3.91	0.00	5.30	0.00
May	1.64	1.77	0.00	0.00	0.57	0.69	4.25	4.25	0.00	5.30	0.00
June	0.11	0.12	0.00	0.00	0.00	0.14	4.27	4.27	0.00	5.30	0.00
July	0.13	0.14	0.00	0.00	0.00	0.18	4.15	4.15	0.00	5.30	0.00
August	0.17	0.18	0.00	0.00	0.00	0.10	3.54	3.54	0.00	5.30	0.00
September	0.09	0.10	0.00	0.00	0.00						
Total yield											0.893
17.94 19.35 1.98 10.3%											

1994-1995											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		0.09	0.00	0.00	0.00	0.09	2.81	2.81	0.00	5.30	0.00
October	0.08	5.76	1.42	0.00	0.00	4.34	1.30	1.30	3.04	5.30	0.00
November	5.34	4.24	0.65	0.00	3.04	6.62	0.98	0.98	5.64	5.30	0.34
December	3.93	12.27	6.10	0.00	5.30	11.47	1.46	1.46	10.01	5.30	4.71
January	11.38	0.28	0.00	0.00	3.93	9.48	2.44	2.44	3.93	5.30	0.00
February	0.26	9.39	3.85	0.00	5.30	7.74	2.95	2.95	4.79	5.30	0.00
March	8.71	2.53	0.10	0.00	4.79	6.45	3.91	3.91	2.54	5.30	0.00
April	2.35	1.66	0.00	0.00	2.54	3.38	4.25	4.25	0.00	5.30	0.00
May	1.54	0.84	0.00	0.00	0.00	0.05	4.27	4.27	0.00	5.30	0.00
June	0.78	0.05	0.00	0.00	0.00	0.05	4.15	4.15	0.00	5.30	0.00
July	0.05	0.05	0.00	0.00	0.00	0.16	3.54	3.54	0.00	5.30	0.00
August	0.05	0.16	0.00	0.00	0.00						
September	0.15										
Total yield											6.790
34.62 37.33 12.12 32.5%											

1995-1996											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		0.08	0.00	0.00	0.00	0.08	2.81	2.81	0.00	5.30	0.00
October	0.07	0.32	0.00	0.00	0.00	0.32	1.30	1.30	0.00	5.30	0.00
November	0.30	8.90	3.48	0.00	0.00	5.42	0.98	0.98	4.44	5.30	3.10
December	8.25	8.92	3.50	0.00	4.44	9.86	1.46	1.46	8.40	5.30	3.38
January	8.27	7.60	2.57	0.00	5.30	10.33	1.65	1.65	8.68	5.30	0.76
February	7.05	3.60	0.40	0.00	5.30	8.50	2.44	2.44	6.06	5.30	0.00
March	3.34	2.14	0.03	0.00	5.30	7.40	2.95	2.95	4.45	5.30	0.00
April	1.98	2.33	0.06	0.00	4.45	6.72	3.91	3.91	2.81	5.30	0.00
May	2.16	0.14	0.00	0.00	2.81	2.95	4.25	4.25	0.00	5.30	0.00
June	0.13	0.06	0.00	0.00	0.00	0.06	4.27	4.27	0.00	5.30	0.00
July	0.06	0.08	0.00	0.00	0.00	0.08	4.15	4.15	0.00	5.30	0.00
August	0.07	0.22	0.00	0.00	0.00	0.22	3.54	3.54	0.00	5.30	0.00
September	0.20										
Total yield											7.238
31.88 34.38 10.04 29.2%											

Percolation for Portola Subarea

1996-1997											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		1.59	0.00	0.00	0.00	1.59	2.81	2.81	0.00	5.30	0.00
October	1.47	1.59	0.00	0.00	0.00	2.73	1.30	1.30	1.43	5.30	0.00
November	2.71	2.92	0.19	0.00	0.00	7.02	0.98	0.98	6.04	5.30	0.74
December	8.83	9.52	3.94	0.00	1.43	11.14	1.46	1.46	9.68	5.30	4.38
January	9.86	10.63	4.79	0.00	5.30	5.61	1.65	1.65	3.96	5.30	0.00
February	0.29	0.31	0.00	0.00	3.96	4.60	2.44	2.44	2.16	5.30	0.00
March	0.59	0.64	0.00	0.00	2.16	3.19	2.95	2.95	0.24	5.30	0.00
April	0.96	1.04	0.00	0.00	0.24	0.72	3.91	3.91	0.00	5.30	0.00
May	0.44	0.47	0.00	0.00	0.00	0.61	4.25	4.25	0.00	5.30	0.00
June	0.57	0.61	0.00	0.00	0.00	0.14	4.27	4.27	0.00	5.30	0.00
July	0.13	0.14	0.00	0.00	0.00	0.83	4.15	4.15	0.00	5.30	0.00
August	0.77	0.83	0.00	0.00	0.00	0.09	3.54	3.54	0.00	5.30	0.00
September	0.08	0.09	0.00	0.00	0.00						
Total yield											5.118
26.70 28.79 8.92 31.0%											

1997-1998											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		0.83	0.00	0.00	0.00	0.83	2.81	2.81	0.00	5.30	0.00
October	0.77	0.83	0.00	0.00	0.00	5.29	1.30	1.30	3.99	5.30	0.00
November	7.84	8.45	3.16	0.00	3.99	7.40	0.98	0.98	6.42	5.30	1.12
December	3.65	3.94	0.53	0.00	5.30	11.61	1.46	1.46	10.15	5.30	5.21
January	12.13	13.08	6.77	0.00	5.30	12.16	1.65	1.65	10.51	5.30	0.19
February	15.70	16.93	10.07	0.00	5.30	7.93	2.44	2.44	5.49	5.30	0.00
March	2.58	2.78	0.15	0.00	5.30	8.05	2.95	2.95	5.10	5.30	0.00
April	2.73	2.94	0.19	0.00	5.30	8.73	3.91	3.91	4.82	5.30	0.00
May	4.01	4.32	0.69	0.00	4.82	5.15	4.25	4.25	0.90	5.30	0.00
June	0.30	0.32	0.00	0.00	0.90	1.09	4.27	4.27	0.00	5.30	0.00
July	0.18	0.19	0.00	0.00	0.00	0.06	4.15	4.15	0.00	5.30	0.00
August	0.06	0.06	0.00	0.00	0.00	0.27	3.54	3.54	0.00	5.30	0.00
September	0.25	0.27	0.00	0.00	0.00						
Total yield											11.371
50.20 54.13 21.57 39.8%											

1998-1999											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		1.05	0.00	0.00	0.00	1.05	2.81	2.81	0.00	5.30	0.00
October	0.97	1.05	0.00	0.00	0.00	3.47	1.30	1.30	2.17	5.30	0.00
November	3.75	4.04	0.57	0.00	2.17	4.38	0.98	0.98	3.40	5.30	1.42
December	2.09	2.25	0.05	0.00	3.40	8.18	1.46	1.46	6.72	5.30	4.97
January	6.4	6.90	2.11	0.00	5.30	11.92	1.65	1.65	10.27	5.30	1.58
February	14	15.10	8.47	0.00	5.30	9.32	2.44	2.44	6.88	5.30	0.00
March	4.7	5.07	1.05	0.00	5.30	8.05	2.95	2.95	5.10	5.30	0.00
April	2.73	2.94	0.19	0.00	5.10	5.23	3.91	3.91	1.32	5.30	0.00
May	0.12	0.13	0.00	0.00	1.32	1.82	4.25	4.25	0.00	5.30	0.00
June	0.46	0.50	0.00	0.00	0.00	0.05	4.27	4.27	0.00	5.30	0.00
July	0.05	0.05	0.00	0.00	0.00	0.37	4.15	4.15	0.00	5.30	0.00
August	0.34	0.37	0.00	0.00	0.00	0.23	3.54	3.54	0.00	5.30	0.00
September	0.21	0.23	0.00	0.00	0.00						
Total yield											7.977
35.82 38.63 12.45 32.2%											

1999-2000											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		0.88	0.00	0.00	0.00	0.88	2.81	2.81	0.00	5.30	0.00
October	0.82	0.88	0.00	0.00	0.00	2.91	1.30	1.30	1.61	5.30	0.00
November	2.94	3.17	0.26	0.00	1.61	2.62	0.98	0.98	1.64	5.30	0.00
December	0.93	1.00	0.00	0.00	1.64	6.83	1.46	1.46	5.37	5.30	0.07
January	7.53	8.12	2.93	0.00	5.30	11.45	1.65	1.65	9.80	5.30	4.50
February	11.27	12.15	6.00	0.00	5.30	7.82	2.44	2.44	5.38	5.30	0.08
March	2.45	2.64	0.31	0.00	5.30	8.33	2.95	2.95	5.38	5.30	0.08
April	3.1	3.34	0.12	0.00	5.30	7.15	3.91	3.91	3.24	5.30	0.00
May	1.72	1.85	0.01	0.00	5.30	3.43	4.25	4.25	0.00	5.30	0.00
June	0.18	0.19	0.00	0.00	3.24	3.28	4.27	4.27	0.00	5.30	0.00
July	0.26	0.28	0.00	0.00	0.00	0.28	4.15	4.15	0.00	5.30	0.00
August	0.19	0.20	0.00	0.00	0.00	0.44	3.54	3.54	0.00	5.30	0.00
September	0.41	0.44	0.00	0.00	0.00						
Total yield											4.731
31.80 34.29 9.63 28.1%											

2000-2001											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
		4.03	0.57	0.00	0.00	3.47	2.81	2.81	0.66	5.30	0.00
October	3.74	4.03	0.57	0.00	0.66	2.06	1.30	1.30	0.76	5.30	0.00
November	1.3	1.40	0.00	0.00	0.76	1.50	0.98	0.98	0.52	5.30	0.00
December	0.69	0.74	0.00	0.00	1.50	5.04	1.46	1.46	3.58	5.30	1.44
January	5.75	6.20	1.68	0.00	3.58	8.39	1.65	1.65	6.74	5.30	0.00
February	6.44	6.94	2.14	0.00	5.30	7.10	2.44	2.44	4.66	5.30	0.00
March	1.67	1.80	0.00	0.00	4.66	6.95	2.95	2.95	4.00	5.30	0.00
April	2.19	2.36	0.07	0.00	4.00	4.02	3.91	3.91	0.11	5.30	0.00
May	0.02	0.02	0.00	0.00	0.11	0.24	4.25	4.25	0.00	5.30	0.00
June	0.12	0.13	0.00	0.00	0.00	0.30	4.27	4.27	0.00	5.30	0.00
July	0.28	0.30	0.00	0.00	0.00	0.42	4.15	4.15	0.00	5.30	0.00
August	0.39	0.42	0.00	0.00	0.00	0.28	3.54	3.54	0.00	5.30	0.00
September	0.26	0.28	0.00	0.00	0.00						
Total yield											1.437
22.85 24.64 4.46 18.1%											

Percolation for Portola Subarea

Adjusted San Gregorio data

2001-2002											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.47	0.51	0.00	0.00	0.00	0.51	2.81	2.81	0.00	5.30	0.00
November	6.69	7.21	2.32	0.00	0.00	4.90	1.30	1.30	3.60	5.30	0.00
December	9.26	9.99	4.29	0.00	3.60	9.29	0.98	0.98	8.31	5.30	3.01
January	2.55	2.75	0.14	0.00	5.30	7.91	1.46	1.46	6.45	5.30	1.15
February	2.13	2.30	0.06	0.00	5.30	7.54	1.65	1.65	5.89	5.30	0.59
March	2.54	2.74	0.14	0.00	5.30	7.90	2.44	2.44	5.46	5.30	0.16
April	0.68	0.73	0.00	0.00	5.30	6.03	2.95	2.95	3.08	5.30	0.00
May	0.88	0.95	0.00	0.00	3.08	4.03	3.91	3.91	0.12	5.30	0.00
June	0.23	0.25	0.00	0.00	0.12	0.37	4.25	4.25	0.00	5.30	0.00
July	0.18	0.19	0.00	0.00	0.00	0.19	4.27	4.27	0.00	5.30	0.00
August	0.08	0.09	0.00	0.00	0.00	0.09	4.15	4.15	0.00	5.30	0.00
September	0.17	0.18	0.00	0.00	0.00	0.18	3.54	3.54	0.00	5.30	0.00
Total yield										4.907	

Estimate for missing data in red based on San Gregorio data for same period

2002-2003											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.17	0.18	0.00	0.00	0.00	0.18	2.81	2.81	0.00	5.30	0.00
November	2.7	2.91	0.18	0.00	0.00	2.73	1.30	1.30	1.43	5.30	0.00
December	9	9.71	4.08	0.00	1.43	7.05	0.98	0.98	6.07	5.30	0.77
January	1.34	1.45	0.00	0.00	5.30	6.75	1.46	1.46	5.29	5.30	0.00
February	3.46	3.73	0.45	0.00	5.29	8.57	1.65	1.65	6.92	5.30	1.62
March	1.82	1.96	0.02	0.00	5.30	7.25	2.44	2.44	4.81	5.30	0.00
April	5.51	5.94	1.53	0.00	4.81	9.22	2.95	2.95	6.27	5.30	0.97
May	0.88	0.95	0.00	0.00	5.30	6.25	3.91	3.91	2.34	5.30	0.00
June	0.18	0.19	0.00	0.00	2.34	2.53	4.25	4.25	0.00	5.30	0.00
July	0.01	0.01	0.00	0.00	0.00	0.01	4.27	4.27	0.00	5.30	0.00
August	0.04	0.04	0.00	0.00	0.00	0.04	4.15	4.15	0.00	5.30	0.00
September	0.10	0.11	0.00	0.00	0.00	0.11	3.54	3.54	0.00	5.30	0.00
Total yield										3.362	

2003-2004											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	0.22	0.24	0.00	0.00	0.00	0.24	2.81	2.81	0.00	5.30	0.00
November	2.27	2.45	0.08	0.00	0.00	2.37	1.30	1.30	1.07	5.30	0.00
December	8.81	9.50	3.93	0.00	1.07	6.64	0.98	0.98	5.66	5.30	0.36
January	3.33	3.59	0.40	0.00	5.30	8.49	1.46	1.46	7.03	5.30	1.73
February	6.37	6.87	2.09	0.00	5.30	10.08	1.65	1.65	8.43	5.30	3.13
March	1.39	1.50	0.00	0.00	5.30	6.80	2.44	2.44	4.36	5.30	0.00
April	0.31	0.33	0.00	0.00	4.36	4.69	2.95	2.95	1.74	5.30	0.00
May	0.15	0.16	0.00	0.00	1.74	1.90	3.91	3.91	0.00	5.30	0.00
June	0.05	0.05	0.00	0.00	0.00	0.05	4.25	4.25	0.00	5.30	0.00
July	0.34	0.37	0.00	0.00	0.00	0.37	4.27	4.27	0.00	5.30	0.00
August	0.33	0.36	0.00	0.00	0.00	0.36	4.15	4.15	0.00	5.30	0.00
September	0.29	0.31	0.00	0.00	0.00	0.31	3.54	3.54	0.00	5.30	0.00
Total yield										5.223	

2004-2005											
Month	Precipitation	Adjusted Precipitation	Direct Runoff	Irrigation	Initial Soil Moisture	Total Available Soil Moisture	ETp	ETc	Net Soil Moisture	Soil Water Holding Capacity	Percolation
October	4.6	4.96	0.99	0.00	0.00	3.97	2.81	2.81	1.16	5.30	0.00
November	1.38	1.49	0.00	0.00	1.16	2.64	1.30	1.30	1.34	5.30	0.00
December	8.66	9.34	3.81	0.00	1.34	6.88	0.98	0.98	5.90	5.30	0.60
January	6.11	6.59	1.92	0.00	5.30	9.97	1.46	1.46	8.51	5.30	3.21
February	5.28	5.69	1.39	0.00	5.30	9.61	1.65	1.65	7.96	5.30	2.66
March	5.52	5.95	1.53	0.00	5.30	9.72	2.44	2.44	7.28	5.30	1.98
April	1.69	1.82	0.01	0.00	5.30	7.12	2.95	2.95	4.17	5.30	0.00
May	2.32	2.50	0.09	0.00	4.17	6.58	3.91	3.91	2.67	5.30	0.00
June	1.31	1.41	0.00	0.00	2.67	4.08	4.25	4.25	0.00	5.30	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	4.27	4.27	0.00	5.30	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	4.15	4.15	0.00	5.30	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	3.54	3.54	0.00	5.30	0.00
Total yield										8.448	

Midcoast Precipitation Backup Data

Precipitation

Lower Terrace Precipitation

WATER YEAR	1947-1948	1948-1949	1949-1950	1950-1951	1951-1952	1952-1953	1953-1954	1954-1955	1955-1956	1956-1957	1957-1958
October	0.55	0.00		1.95	1.16	0.27	0.67	0.23	0.21	1.75	3.17
November	0.66			5.46	4.15	2.66	3.33	1.96	2.32	0.00	1.78
December	4.99			6.01	11.30	11.36	4.04	4.53	13.81	3.31	3.88
January	1.73			5.11	9.31	4.55	4.18	5.06	11.38	3.31	6.23
February	3.91	2.24		2.98	2.20		2.58	1.37	2.81	4.42	10.79
March	4.96	1.34		2.84	6.21		5.03	2.60	1.88	1.65	5.83
April	0.00	2.12		0.91	0.62	3.17	1.49	0.36	1.37	4.10	0.68
May	0.41	0.37		0.98	0.45	0.60	0.06	0.07	0.07	0.08	0.71
June	0.00	0.14		0.17	1.14	0.56	0.64	0.17	0.25	0.00	0.38
July	0.00	0.00		0.12	0.03	0.00	0.10	0.12	0.45	0.08	0.00
August	0.00	0.17		0.00	0.00	0.53	0.55	0.12	0.45	1.08	0.18
September	0.04			0.28	0.15	0.12	0.08	0.28	0.45	23.02	43.01
Total	0.04	17.38	6.29	26.81	36.72	23.82	19.75	17.03	35.00		

1.26

Upper El Granada Precipitation

WATER YEAR	1947-1948	1948-1949	1949-1950	1950-1951	1951-1952	1952-1953	1953-1954	1954-1955	1955-1956	1956-1957	1957-1958
October	0.00	0.69	0.00	2.46	1.57	0.34	0.84	0.29	0.26	2.20	3.99
November	0.00	0.83	0.00	6.88	5.23	3.35	4.20	2.47	2.92	0.00	2.24
December	0.00	6.29	0.00	7.57	14.24	14.31	1.31	5.71	17.40	0.72	4.89
January	0.00	2.18	0.00	6.44	11.73	5.73	5.27	6.38	14.34	4.17	7.85
February	0.00	4.93	2.82	3.75	2.77	0.00	3.25	1.73	3.54	5.57	11.82
March	0.00	6.25	1.69	3.58	7.82	0.00	6.34	0.35	0.00	7.53	7.35
April	0.00	0.00	2.67	1.15	0.78	3.99	1.88	3.28	2.37	2.08	0.86
May	0.00	0.52	0.47	0.21	1.44	0.71	0.81	0.09	0.45	1.73	0.89
June	0.00	0.00	0.18	0.15	0.04	0.00	0.13	0.15	0.57	0.10	0.48
July	0.00	0.00	0.00	0.15	0.00	0.67	0.69	0.15	0.57	0.10	0.00
August	0.00	0.21	0.00	0.00	0.00	0.15	0.10	0.35	0.57	1.36	0.23
September	0.05	0.00	0.10	0.35	0.19	0.15	0.10	0.35	0.57	29.01	54.19
Total	0.05	21.90	7.93	33.78	46.27	30.01	24.88	21.46	44.10		

Frenchman Creek Upland Area

WATER YEAR	1947-1948	1948-1949	1949-1950	1950-1951	1951-1952	1952-1953	1953-1954	1954-1955	1955-1956	1956-1957	1957-1958
October	0.00	0.74	0.00	2.63	1.57	0.36	0.90	0.31	0.28	2.36	4.28
November	0.00	0.89	0.00	7.37	5.60	3.59	4.50	2.65	3.13	0.00	2.40
December	0.00	6.74	0.00	8.11	15.26	15.34	1.40	6.12	18.64	0.77	5.24
January	0.00	2.34	0.00	6.90	12.57	6.14	5.64	6.83	15.36	4.47	8.41
February	0.00	5.28	3.02	4.02	2.97	0.00	3.48	1.85	3.79	5.97	12.66
March	0.00	6.70	1.81	3.83	8.38	0.00	6.79	0.38	0.00	8.07	7.87
April	0.00	0.00	2.86	1.23	0.84	4.28	2.01	3.51	2.54	2.23	0.92
May	0.00	0.55	0.50	1.32	0.61	0.81	0.08	0.49	1.85	5.54	0.96
June	0.00	0.00	0.19	0.23	1.54	0.76	0.86	0.09	0.09	0.11	0.51
July	0.00	0.00	0.00	0.16	0.04	0.00	0.14	0.23	0.34	0.00	0.00
August	0.00	0.23	0.00	0.00	0.00	0.72	0.74	0.16	0.61	1.11	0.24
September	0.05	0.00	0.11	0.38	0.20	0.16	0.11	0.38	0.61	1.46	58.06
Total	0.05	23.46	8.49	36.19	49.57	32.16	26.66	22.99	47.25	31.08	

San Vicente/Deniston Creek Upland Area

WATER YEAR	1947-1948	1948-1949	1949-1950	1950-1951	1951-1952	1952-1953	1953-1954	1954-1955	1955-1956	1956-1957	1957-1958
October	0.00	0.76	0.00	2.69	1.60	0.37	0.92	0.32	0.29	2.42	4.37
November	0.00	0.91	0.00	7.53	5.73	3.67	4.60	2.70	3.20	0.00	2.46
December	0.00	6.89	0.00	8.29	15.59	15.68	1.44	6.25	19.06	0.79	5.35
January	0.00	2.39	0.00	7.05	12.85	6.28	5.77	6.98	15.70	4.57	8.60
February	0.00	5.40	3.09	4.11	3.04	0.00	3.56	1.89	3.88	6.10	14.89
March	0.00	6.84	1.85	3.92	8.57	0.00	6.94	0.39	0.00	8.25	12.94
April	0.00	0.00	2.93	1.26	0.86	4.37	2.06	3.59	2.59	2.28	8.05
May	0.00	0.57	0.51	1.35	0.62	0.83	0.08	0.50	1.89	5.66	0.94
June	0.00	0.00	0.19	0.23	1.57	0.77	0.88	0.10	0.10	0.11	0.98
July	0.00	0.00	0.00	0.17	0.04	0.00	0.14	0.23	0.35	0.00	0.52
August	0.00	0.23	0.00	0.00	0.00	0.73	0.76	0.17	0.62	1.11	0.25
September	0.06	0.00	0.11	0.39	0.21	0.17	0.11	0.39	0.62	1.49	59.35
Total	0.06	23.98	8.68	37.00	50.67	32.87	27.26	23.50	48.30	31.77	

Montara Upland Area

WATER YEAR	1947-1948	1948-1949	1949-1950	1950-1951	1951-1952	1952-1953	1953-1954	1954-1955	1955-1956	1956-1957	1957-1958
October	0.00	0.64	0.00	2.26	1.35	0.31	0.78	0.27	0.24	2.03	3.68
November	0.00	0.77	0.00	6.33	4.81	3.09	3.86	2.27	2.69	0.00	2.06
December	0.00	5.79	0.00	6.97	13.11	13.18	1.21	5.25	16.02	0.66	4.50
January	0.00	2.01	0.00	5.93	10.80	5.28	4.85	5.87	13.20	3.84	7.23
February	0.00	4.54	2.60	3.46	2.55	0.00	2.99	1.59	3.26	5.13	12.52
March	0.00	5.75	1.55	3.29	7.20	0.00	5.83	0.32	0.00	6.94	10.88
April	0.00	0.00	2.46	1.06	0.72	3.68	1.73	3.02	2.18	1.91	6.76
May	0.00	0.48	0.43	1.14	0.52	0.70	0.07	0.42	1.59	4.76	0.79
June	0.00	0.00	0.16	0.20	1.32	0.65	0.74	0.08	0.08	0.09	0.82
July	0.00	0.00	0.00	0.14	0.03	0.00	0.12	0.20	0.29	0.00	0.44
August	0.00	0.20	0.00	0.00	0.00	0.61	0.64	0.14	0.52	0.09	0.00
September	0.05	0.00	0.09	0.32	0.17	0.14	0.09	0.32	0.52	1.25	0.21
Total	0.05	20.16	7.30	31.10	42.60	27.63	22.91	19.75	40.60	26.70	49.89

Precipitation

Lower Terrace Precipitation

WATER YEAR	1958-1959	1959-1960	1960-1961	1961-1962	1962-1963	1963-1964	1964-1965	1965-1966	1966-1967	1967-1968	1968-1969
October	0.27	0.40	0.88	0.12	10.97	2.48	1.89	0.00	0.00	0.76	0.65
November	0.50	0.00	5.12	3.66	0.60	4.00	3.11	4.96	5.18	2.13	2.69
December	1.89	1.97	1.70	3.18	3.57	1.04	7.50	4.96	3.62	2.89	5.90
January	5.07	5.29	2.98	2.09	3.44	5.32	4.41	3.51	0.25	6.19	8.06
February	5.64	4.66	1.89	8.64	3.65	0.52	1.40	0.68	6.18	5.78	2.07
March	0.64	1.90	3.25	3.52	4.33	2.46	1.58	0.71	7.43	0.61	2.76
April	0.42	1.27	1.06	0.82	5.08	0.23	5.22	0.71	0.25	0.24	0.06
May	0.36	0.71	1.73	0.24	0.64	0.47	0.00	0.20	1.44	0.00	0.40
June	0.00	0.00	0.22	0.00	0.00	0.58	0.06	0.00	0.00	0.00	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.28	0.00
August	0.21	0.00	0.10	0.29	0.03	0.00	0.23	0.27	0.00	0.00	0.21
September	3.66	0.00	0.57	0.51	0.09	0.00	0.00	0.25	0.00	21.50	31.48
Total	18.66	16.20	19.50	23.07	32.40	17.10	25.40	20.05	34.79	21.50	31.48

Upper El Granada Precipitation

WATER YEAR	1958-1959	1959-1960	1960-1961	1961-1962	1962-1963	1963-1964	1964-1965	1965-1966	1966-1967	1967-1968	1968-1969
October	0.34	0.50	1.11	0.15	13.82	3.12	2.38	0.00	0.00	0.96	0.82
November	0.63	0.00	6.45	4.61	0.76	5.04	3.92	7.03	6.53	2.68	3.39
December	2.38	2.48	2.14	4.01	4.50	1.31	9.45	6.25	4.56	3.64	7.43
January	6.39	6.67	3.75	2.63	4.33	6.70	5.56	4.75	13.15	7.80	10.16
February	7.11	5.87	2.38	10.89	4.60	0.66	1.76	4.42	0.31	3.30	10.94
March	0.81	2.39	4.09	4.44	5.46	3.10	1.99	0.86	7.79	7.28	2.61
April	0.53	1.60	1.34	1.03	6.40	0.29	6.58	0.89	0.36	0.77	3.48
May	0.45	0.89	2.18	0.50	0.81	0.59	0.00	0.25	0.31	0.30	0.08
June	0.00	0.00	0.28	0.00	0.00	0.73	0.08	0.00	1.81	0.00	0.50
July	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.35	0.00
August	0.26	0.00	0.13	0.37	0.04	0.00	0.29	0.34	0.00	0.00	0.26
September	4.61	0.00	0.72	0.64	0.11	0.00	0.00	0.31	0.00	27.09	39.66
Total	23.51	20.41	24.57	29.07	40.82	21.55	32.00	25.26	43.84	27.09	39.66

Frenchman Creek Upland Area

WATER YEAR	1958-1959	1959-1960	1960-1961	1961-1962	1962-1963	1963-1964	1964-1965	1965-1966	1966-1967	1967-1968	1968-1969
October	0.36	0.54	1.19	0.16	14.81	3.35	2.55	0.00	0.00	1.03	0.88
November	0.68	0.00	6.91	4.94	0.81	5.40	4.20	7.53	6.99	2.88	3.63
December	2.55	2.66	2.30	4.29	4.82	1.40	10.13	6.70	4.89	3.90	7.97
January	6.84	7.14	4.02	2.82	4.64	7.18	5.95	5.09	14.09	8.36	10.88
February	7.61	6.29	2.55	11.66	4.93	0.70	2.13	4.74	0.34	3.54	2.79
March	0.86	2.57	4.39	4.75	5.85	3.32	2.13	0.92	8.34	7.80	3.73
April	0.57	1.71	1.43	1.11	6.86	0.31	7.05	0.96	10.03	0.82	3.73
May	0.49	0.96	2.34	0.32	0.86	0.63	0.00	0.27	0.34	0.32	0.08
June	0.00	0.00	0.30	0.00	0.00	0.78	0.08	0.00	1.94	0.00	0.54
July	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00
August	0.28	0.00	0.14	0.39	0.04	0.00	0.31	0.36	0.00	0.38	0.00
September	4.94	0.00	0.77	0.69	0.12	0.00	0.00	0.34	0.00	29.03	42.50
Total	25.19	21.87	26.33	31.14	43.74	23.09	34.29	27.07	46.97	29.03	42.50

San Vicente/Deniston Creek Upland Area

WATER YEAR	1958-1959	1959-1960	1960-1961	1961-1962	1962-1963	1963-1964	1964-1965	1965-1966	1966-1967	1967-1968	1968-1969
October	0.37	0.55	1.21	0.17	15.14	3.42	2.61	0.00	0.00	1.05	0.90
November	0.69	0.00	7.07	5.05	0.83	5.52	4.29	7.70	7.15	2.94	3.71
December	2.61	2.72	2.35	4.39	4.93	1.44	10.35	6.84	5.00	3.99	8.14
January	7.00	7.30	4.11	2.88	4.75	7.34	6.09	5.20	14.41	8.54	11.12
February	7.78	6.43	2.61	11.92	5.04	0.72	1.93	4.84	0.35	3.62	11.98
March	0.88	2.62	4.49	4.86	5.98	3.39	2.18	0.94	8.53	7.99	2.86
April	0.58	1.75	1.46	1.13	7.01	0.32	7.20	0.98	10.25	0.84	3.81
May	0.50	0.98	2.39	0.33	0.88	0.65	0.00	0.28	0.35	0.33	0.08
June	0.00	0.00	0.30	0.00	0.00	0.80	0.08	0.00	1.99	0.00	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00
August	0.29	0.00	0.14	0.40	0.04	0.00	0.32	0.37	0.00	0.39	0.00
September	5.05	0.00	0.79	0.70	0.12	0.00	0.00	0.35	0.00	29.67	43.44
Total	25.75	22.36	26.91	31.84	44.71	23.60	35.05	27.67	48.01	29.67	43.44

Montara Upland Area

WATER YEAR	1958-1959	1959-1960	1960-1961	1961-1962	1962-1963	1963-1964	1964-1965	1965-1966	1966-1967	1967-1968	1968-1969
October	0.31	0.46	1.02	0.14	12.73	2.88	2.19	0.00	0.00	0.88	0.75
November	0.58	0.00	5.94	4.25	0.70	4.64	3.61	6.47	6.01	2.47	3.12
December	2.19	2.29	1.97	3.69	4.14	1.21	8.70	5.75	4.20	3.35	6.84
January	5.88	6.14	3.46	2.42	3.99	6.17	5.12	4.37	12.11	7.18	9.35
February	6.54	5.41	2.19	10.02	4.23	0.60	1.62	4.07	0.29	3.04	10.07
March	0.74	2.20	3.77	4.08	5.02	2.85	1.83	0.79	7.17	6.70	2.40
April	0.49	1.47	1.23	0.95	5.89	0.27	6.06	0.82	8.62	0.71	3.20
May	0.42	0.82	2.01	0.28	0.74	0.55	0.00	0.23	0.29	0.28	0.07
June	0.00	0.00	0.26	0.00	0.00	0.67	0.07	0.00	1.67	0.00	0.46
July	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00
August	0.24	0.00	0.12	0.34	0.03	0.00	0.27	0.31	0.00	0.32	0.00
September	4.25	0.00	0.66	0.59	0.10	0.00	0.00	0.29	0.00	24.94	36.52
Total	21.65	18.79	22.62	26.76	37.58	19.84	29.46	23.26	40.36	24.94	36.52

Precipitation

Lower Terrace Precipitation

WATER YEAR	1969-1970	1970-1971	1971-1972	1972-1973	1973-1974	1974-1975	1975-1976	1976-1977	1977-1978	1978-1979	1979-1980	1980-1981
October	1.73	0.90	0.23	6.90	3.04	1.36	4.49	0.30	0.47	0.05	3.23	0.18
November	0.76	8.41	2.29	6.49	9.50	0.64	0.85	1.73	3.37	3.04	3.97	0.65
December	4.55	7.67	5.10	3.17	6.32	3.64	0.69	2.41	5.60	0.83	5.76	7.48
January	8.49	1.61	1.27	8.78	4.87	2.95	0.52	2.26	9.01	8.11	5.40	2.42
February	2.31	0.76	1.33	7.33	2.16	4.88	2.54	1.31	5.62	6.27	7.49	4.71
March	2.04	3.49	0.19		7.20	7.11	1.13	3.15	4.50	0.89	1.88	0.24
April	0.32	1.51	1.25	0.23	3.22	2.14	2.04	0.20	0.00	0.85	0.32	0.33
May	0.27	0.53	0.11	0.21	0.01	0.10	0.13	1.23	0.00	0.00	0.03	0.00
June	0.21	0.08	0.28	0.05	0.50	0.28	0.04	0.00	0.00	0.29	0.07	0.00
July	0.00	0.28	0.00	0.00	1.01	0.52	0.14	0.16	0.00	0.13	0.05	0.42
August	0.00	0.36	0.00	0.09	0.13	0.59	1.56	0.27	0.00	0.00	0.18	0.37
September	0.00	0.40	0.98	0.62	0.00	0.02	0.59	1.59	0.00		30.28	19.24
Total	20.68	26.00	13.03	33.87	37.96	24.23	14.72	14.61	34.15	25.29		

Upper El Granada Precipitation

WATER YEAR	1969-1970	1970-1971	1971-1972	1972-1973	1973-1974	1974-1975	1975-1976	1976-1977	1977-1978	1978-1979	1979-1980	1980-1981
October	2.18	1.13	0.29	8.69	3.83	1.71	5.66	0.38	0.59	0.06	4.07	0.23
November	0.96	10.60	2.89	8.18	11.97	0.81	1.07	2.18	4.25	3.83	5.00	0.82
December	5.73	9.66	6.43	3.99	7.96	4.59	0.87	3.04	7.06	1.05	7.26	3.07
January	10.70	2.03	1.60	11.06	6.14	3.72	0.66	2.85	11.35	10.22	6.80	9.42
February	2.91	0.96	1.68	9.24	2.72	6.15	3.20	1.65	7.08	7.90	9.44	3.05
March	2.57	4.40	0.24	0.00	4.06	2.70	2.57	0.25	5.67	1.12	2.37	0.30
April	0.40	1.90	1.57	0.29	0.01	0.13	0.16	1.55	0.00	0.00	0.04	0.00
May	0.34	0.67	0.14	0.26	0.63	0.35	0.05	0.00	0.00	0.37	0.09	0.00
June	0.26	0.10	0.35	0.06	1.27	0.66	0.18	0.20	0.00	0.16	0.06	0.53
July	0.00	0.35	0.00	0.00	0.16	0.74	1.97	0.34	0.00	0.00	0.23	0.47
August	0.00	0.45	0.00	0.11	0.00	0.03	0.74	2.00	0.00	0.00	38.15	24.24
September	0.00	0.50	1.23	0.78	0.00			18.41	43.03	31.87		
Total	26.06	32.76	16.42	42.68	47.83	30.53	18.55	18.41	43.03	31.87	38.15	24.24

Frenchman Creek Upland Area

WATER YEAR	1969-1970	1970-1971	1971-1972	1972-1973	1973-1974	1974-1975	1975-1976	1976-1977	1977-1978	1978-1979	1979-1980	1980-1981
October	2.34	1.22	0.31	9.32	4.10	1.84	6.06	0.41	0.63	0.07	4.36	0.24
November	1.03	11.35	3.09	8.76	12.83	0.86	1.15	2.34	4.55	4.10	5.36	0.88
December	6.14	10.35	6.89	4.28	8.53	4.91	0.93	3.25	7.56	1.12	7.78	3.29
January	11.46	2.17	1.71	11.85	6.57	3.98	0.70	3.05	12.16	10.95	7.29	10.10
February	3.12	1.03	1.80	9.90	2.92	6.59	3.43	1.77	7.59	8.46	10.11	3.27
March	2.75	4.71	0.26	0.00	9.72	9.60	1.53	4.25	7.53	6.52	2.57	6.36
April	0.43	2.04	1.69	0.31	4.35	2.89	2.75	0.27	6.08	1.20	2.54	0.32
May	0.36	0.72	0.15	0.28	0.01	0.14	0.18	1.66	0.00	1.15	0.43	0.45
June	0.28	0.11	0.38	0.07	0.68	0.38	0.05	0.00	0.00	0.00	0.04	0.00
July	0.00	0.38	0.00	0.00	1.36	0.70	0.19	0.22	0.00	0.39	0.09	0.57
August	0.00	0.49	0.00	0.12	0.18	0.80	2.11	0.36	0.00	0.18	0.07	0.51
September	0.00	0.54	1.32	0.84	0.00	0.03	0.80	2.15	0.00	0.00	0.24	0.50
Total	27.92	35.10	17.59	45.72	51.25	32.71	19.87	19.72	46.10	34.14	40.88	25.97

San Vicente/Deniston Creek Upland Area

WATER YEAR	1969-1970	1970-1971	1971-1972	1972-1973	1973-1974	1974-1975	1975-1976	1976-1977	1977-1978	1978-1979	1979-1980	1980-1981
October	2.39	1.24	0.32	9.52	4.20	1.88	6.20	0.41	0.65	0.07	4.46	0.25
November	1.05	11.61	3.16	8.96	13.11	0.88	1.17	2.39	4.65	4.20	5.48	0.90
December	6.28	10.58	7.04	4.37	8.72	5.02	0.95	3.33	7.73	1.15	7.95	3.37
January	11.72	2.22	1.75	12.12	6.72	4.07	0.72	3.12	12.43	11.19	7.45	10.32
February	3.19	1.05	1.84	10.12	2.98	6.73	3.51	1.81	7.76	8.65	10.34	3.34
March	2.82	4.82	0.26	0.00	9.90	2.92	2.95	1.56	4.35	7.70	6.67	2.59
April	0.44	2.08	1.73	0.32	4.44	2.95	2.82	0.28	6.21	1.23	2.54	0.46
May	0.37	0.73	0.15	0.29	0.01	0.14	0.18	1.70	0.00	1.17	0.44	0.00
June	0.29	0.11	0.39	0.07	0.69	0.39	0.06	0.00	0.00	0.40	0.10	0.00
July	0.00	0.39	0.00	0.00	1.39	0.72	0.19	0.22	0.00	0.40	0.07	0.58
August	0.00	0.50	0.00	0.12	0.18	0.81	2.15	0.37	0.00	0.18	0.07	0.51
September	0.00	0.55	1.35	0.86	0.00	0.03	0.81	2.19	0.00	0.00	0.25	0.51
Total	28.54	35.88	17.98	46.74	52.38	33.44	20.31	20.16	47.13	34.90	41.79	26.55

Montara Upland Area

WATER YEAR	1969-1970	1970-1971	1971-1972	1972-1973	1973-1974	1974-1975	1975-1976	1976-1977	1977-1978	1978-1979	1979-1980	1980-1981
October	2.01	1.04	0.27	8.00	3.53	1.58	5.21	0.35	0.55	0.06	3.75	0.21
November	0.88	9.76	2.66	7.53	11.02	0.74	0.99	2.01	3.91	3.53	4.61	0.75
December	5.28	8.90	5.92	3.68	7.33	4.22	0.80	2.80	6.50	0.96	6.68	2.83
January	9.85	1.87	1.47	10.18	5.65	3.42	0.60	2.62	10.45	9.41	6.26	8.68
February	2.68	0.88	1.54	8.50	2.51	5.66	2.95	1.52	6.52	7.27	8.69	2.81
March	2.37	4.05	0.22	0.00	8.35	8.25	1.31	3.65	6.47	5.60	2.20	5.46
April	0.37	1.75	1.45	0.27	3.74	2.48	2.37	0.23	5.22	1.03	2.18	0.28
May	0.31	0.61	0.13	0.24	0.01	0.12	0.15	1.43	0.00	0.99	0.37	0.38
June	0.24	0.09	0.32	0.06	0.58	0.32	0.05	0.00	0.00	0.00	0.03	0.00
July	0.00	0.32	0.00	0.00	1.17	0.60	0.16	0.19	0.00	0.34	0.08	0.00
August	0.00	0.42	0.00	0.10	0.15	0.68	1.81	0.31	0.00	0.15	0.06	0.49
September	0.00	0.46	1.14	0.72	0.00	0.02	0.68	1.84	0.00	0.00	0.21	0.43
Total	23.99	30.16	15.11	39.29	44.03	28.11	17.08	16.95	39.61	29.34	35.12	22.32

Precipitation

Lower Terrace Precipitation		1981-1982	1982-1983	1983-1984	1984-1985	1985-1986	1986-1987	1987-1988	1988-1989	1989-1990	1990-1991	1991-1992
WATER YEAR		1981-1982	1982-1983	1983-1984	1984-1985	1985-1986	1986-1987	1987-1988	1988-1989	1989-1990	1990-1991	1991-1992
October		3.98	3.82	1.12	3.81	1.51	0.42	2.13	0.94	2.05	0.55	2.63
November		7.08	7.03	8.07	9.86	3.18	3.10	6.03	3.55	1.95	0.74	1.01
December		6.00	5.41	9.46	3.20	4.98	5.10	4.48	5.17	0.03	2.58	3.60
January		12.01	8.98	0.26	1.02	11.48	3.87	0.58	1.30	4.29	0.56	3.18
February		5.11	9.14	2.15	2.90	7.12	4.16	0.12	7.95	2.52	4.19	8.70
March		7.91	13.05	2.12	5.07	7.12	0.95	3.04	1.83	0.29	0.90	0.40
April		5.02	3.33	1.09	0.13	0.50	0.06	0.69	0.31	0.46	0.32	0.06
May		0.00	0.89	0.20	0.47	0.09	0.08	0.29	0.10	0.24	0.27	0.02
June		0.42	0.03	0.46	0.31	0.08	0.00		0.13	0.14	0.92	0.18
July		0.00	0.00	0.06	0.05	0.25	0.10	0.01	0.27	0.33	0.25	0.12
August		0.15	0.14	0.33	0.40	2.20	0.00	0.02	0.95	16.45	20.76	24.19
September		1.73	0.80	0.18	0.40	32.23	18.16	20.02	24.51			
Total		49.41	52.62	25.50	27.54							

Upper El Granada Precipitation		1981-1982	1982-1983	1983-1984	1984-1985	1985-1986	1986-1987	1987-1988	1988-1989	1989-1990	1990-1991	1991-1992
WATER YEAR		1981-1982	1982-1983	1983-1984	1984-1985	1985-1986	1986-1987	1987-1988	1988-1989	1989-1990	1990-1991	1991-1992
October		5.01	4.81	1.41	4.80	1.90	0.53	2.68	1.18	2.46	0.69	3.31
November		8.92	8.86	10.17	12.42	0.00	0.40	3.31	4.47	2.63	0.93	1.27
December		7.56	6.82	11.92	4.03	4.01	3.91	7.60	6.51	0.04	3.25	4.54
January		15.13	11.31	0.33	1.29	6.27	6.43	5.64	2.53	5.41	0.71	4.01
February		6.44	11.52	2.71	3.65	14.46	4.88	0.73	1.64	3.18	5.28	10.96
March		9.97	16.44	2.67	6.39	8.97	5.24	0.15	10.02	1.68	11.10	4.35
April		6.33	4.20	1.37	0.16	0.63	1.20	3.83	2.31	0.37	1.13	0.08
May		0.00	1.12	0.25	0.40	1.06	0.08	0.87	0.39	3.55	0.84	1.06
June		0.53	0.04	0.58	0.59	0.11	0.10	0.37	0.13	0.58	0.40	0.03
July		0.00	0.00	0.08	0.39	0.10	0.00	0.00	0.16	0.30	0.34	0.23
August		0.19	0.18	0.42	0.06	0.31	0.13	0.01	0.34	0.18	1.16	0.15
September		2.18	1.01	0.23	0.50	2.77	0.00	0.03	1.20	0.42	0.31	0.15
Total		62.26	66.30	32.13	34.70	40.61	22.88	25.23	30.88	20.73	26.16	30.48

Frenchman Creek Upland Area		1981-1982	1982-1983	1983-1984	1984-1985	1985-1986	1986-1987	1987-1988	1988-1989	1989-1990	1990-1991	1991-1992
WATER YEAR		1981-1982	1982-1983	1983-1984	1984-1985	1985-1986	1986-1987	1987-1988	1988-1989	1989-1990	1990-1991	1991-1992
October		5.37	5.16	1.51	5.14	2.04	0.57	2.88	1.27	2.77	0.74	3.55
November		9.56	9.49	10.89	13.31	0.00	0.43	3.55	4.79	2.63	1.00	1.36
December		8.10	7.30	12.77	4.32	4.29	4.19	8.14	6.98	0.04	3.48	4.86
January		16.21	12.12	0.35	1.38	6.72	6.89	6.05	2.71	5.79	0.76	4.29
February		6.90	12.34	2.90	3.92	15.50	5.22	0.78	1.76	3.40	5.66	11.75
March		10.68	17.62	2.86	6.84	9.61	5.62	0.16	10.73	1.80	11.89	4.66
April		6.78	4.50	1.47	0.18	0.68	1.28	4.10	2.47	0.39	1.22	0.54
May		0.00	1.20	0.27	0.43	1.13	0.08	0.93	0.42	3.81	0.90	0.08
June		0.57	0.04	0.62	0.63	0.12	0.11	0.39	0.14	0.62	0.43	1.13
July		0.00	0.00	0.08	0.42	0.11	0.00	0.00	0.18	0.32	0.36	0.03
August		0.20	0.19	0.45	0.07	0.34	0.14	0.01	0.36	0.19	1.24	0.24
September		2.34	1.08	0.24	0.54	2.97	0.00	0.03	1.28	0.45	0.34	0.16
Total		66.70	71.04	34.43	37.18	43.51	24.52	27.03	33.09	22.21	28.03	32.66

San Vicente/Deniston Creek Upland Area		1981-1982	1982-1983	1983-1984	1984-1985	1985-1986	1986-1987	1987-1988	1988-1989	1989-1990	1990-1991	1991-1992
WATER YEAR		1981-1982	1982-1983	1983-1984	1984-1985	1985-1986	1986-1987	1987-1988	1988-1989	1989-1990	1990-1991	1991-1992
October		5.49	5.27	1.55	5.26	2.08	0.58	2.94	1.30	2.83	0.76	3.63
November		9.77	9.70	11.14	13.61	0.00	0.44	3.63	4.90	2.69	1.02	1.39
December		8.28	7.47	13.05	4.42	4.39	4.28	8.32	7.13	0.04	3.56	4.97
January		16.57	12.39	0.36	1.41	6.87	7.04	6.18	2.77	5.92	0.77	4.39
February		7.05	12.51	2.97	4.00	15.84	5.34	0.80	1.79	3.48	5.78	12.01
March		10.92	18.01	2.93	7.00	9.83	5.74	0.17	10.97	1.84	12.16	4.76
April		6.93	4.60	1.50	0.18	0.69	1.31	4.20	2.53	0.40	1.24	0.55
May		0.00	1.23	0.28	0.44	1.16	0.08	0.95	0.43	3.89	0.92	0.08
June		0.58	0.04	0.63	0.65	0.12	0.11	0.40	0.14	0.63	0.44	1.16
July		0.00	0.00	0.08	0.43	0.11	0.00	0.00	0.18	0.33	0.37	0.03
August		0.21	0.19	0.46	0.07	0.35	0.14	0.01	0.37	0.19	1.27	0.25
September		2.39	1.10	0.25	0.55	3.04	0.00	0.03	1.31	0.46	0.35	0.17
Total		68.19	72.62	35.19	38.01	44.48	25.06	27.63	33.82	22.70	28.65	33.38

Montara Upland Area		1981-1982	1982-1983	1983-1984	1984-1985	1985-1986	1986-1987	1987-1988	1988-1989	1989-1990	1990-1991	1991-1992
WATER YEAR		1981-1982	1982-1983	1983-1984	1984-1985	1985-1986	1986-1987	1987-1988	1988-1989	1989-1990	1990-1991	1991-1992
October		4.62	4.43	1.30	4.42	1.75	0.49	2.47	1.09	2.38	0.64	3.05
November		8.21	8.15	9.36	11.44	0.00	0.37	3.05	4.12	2.26	0.86	1.17
December		6.96	6.28	10.97	3.71	3.69	3.60	6.99	6.00	0.03	2.99	4.18
January		13.93	10.42	0.30	1.18	5.78	5.92	5.20	2.33	4.98	0.65	3.69
February		5.93	10.60	2.49	3.36	13.32	4.49	0.67	1.51	2.92	4.86	10.09
March		9.18	15.14	2.46	5.88	8.26	4.83	0.14	9.22	1.54	10.22	4.00
April		5.82	3.86	1.26	0.15	0.58	1.10	0.80	0.36	3.27	0.78	0.07
May		0.00	1.03	0.23	0.37	0.97	0.07	0.80	0.12	0.53	0.37	0.97
June		0.49	0.03	0.53	0.55	0.10	0.09	0.34	0.15	0.28	0.31	0.02
July		0.00	0.00	0.07	0.36	0.09	0.00	0.00	0.15	0.16	1.07	0.21
August		0.17	0.16	0.38	0.06	0.29	0.12	0.01	0.31	0.16	0.29	0.14
September		2.01	0.93	0.21	0.46	2.55	0.00	0.02	1.10	0.38	0.29	0.14
Total		57.32	61.04	29.58	31.95	37.39	21.07	23.22	28.43	19.08	24.08	28.06

Precipitation

Lower Terrace Precipitation

WATER YEAR	1992-1993	1993-1994	1994-1995	1995-1996	1996-1997	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003
October	2.88	0.62	0.08	0.07	1.47	0.77	0.97	0.82	3.74	0.47	0.17
November	0.67	1.55	5.34	0.30	2.71	7.84	3.75	2.94	1.3		2.7
December	8.10	2.77	3.93	8.25	8.83	3.65	2.09	0.93	0.69		9
January	9.21	2.63	11.38	8.27	9.86	12.13	6.4	7.53	5.75		1.34
February	5.59	5.61	0.26	7.05	0.29	15.70	14	11.27	6.44		3.46
March	2.79	0.77	8.71	3.34	0.59	2.58	4.7	2.45	1.67		
April	1.68	1.85	2.35	1.98	0.96	2.73	2.73	3.1	2.19		
May	1.38	1.64	1.54	2.16	0.44	4.01	0.12	1.72	0.02		
June	0.48	0.11	0.78	0.13	0.57	0.30	0.46	0.18	0.12		
July	0.06	0.13	0.05	0.06	0.13	0.18	0.05	0.26	0.28	0.18	
August	0.17	0.17	0.05	0.07	0.77	0.06	0.34	0.19	0.39		
September	0.21	0.09	0.15	0.20	0.08	0.25	0.21	0.41	0.26	0.17	
Total	33.22	17.94	34.62	31.88	26.70	50.20	35.82	31.80	22.85	0.82	16.67

Upper El Granada Precipitation

WATER YEAR	1992-1993	1993-1994	1994-1995	1995-1996	1996-1997	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003
October	3.63	0.78	0.10	0.09	1.85	0.97	1.22	1.03	4.71	0.59	0.21
November	0.84	1.95	6.73	0.38	3.41	9.88	4.72	3.70	1.64	0.00	3.40
December	10.21	3.49	4.95	10.39	11.13	4.60	2.63	1.17	0.87	0.00	11.34
January	11.60	3.31	14.34	10.42	12.42	15.28	8.06	9.49	7.24	0.00	1.69
February	7.04	7.07	0.33	8.88	0.37	19.78	17.64	14.20	8.11	0.00	4.36
March	3.52	0.97	10.97	4.21	0.74	3.25	5.92	3.09	2.10	0.00	0.00
April	2.12	2.33	2.96	2.49	1.21	3.44	3.44	3.91	2.76	0.00	0.00
May	1.74	2.07	1.94	2.72	0.55	5.05	0.15	2.17	0.03	0.00	0.00
June	0.60	0.14	0.98	0.16	0.72	0.38	0.58	0.23	0.15	0.00	0.00
July	0.08	0.16	0.06	0.08	0.16	0.23	0.06	0.33	0.35	0.00	0.00
August	0.21	0.21	0.06	0.09	0.97	0.08	0.43	0.24	0.49	0.00	0.00
September	0.26	0.11	0.19	0.25	0.10	0.31	0.26	0.52	0.33	0.21	0.00
Total	41.86	22.60	43.62	40.17	33.64	63.25	45.13	40.07	28.79	1.03	21.00

Frenchman Creek Upland Area

WATER YEAR	1992-1993	1993-1994	1994-1995	1995-1996	1996-1997	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003
October	3.89	0.84	0.11	0.09	1.98	1.04	1.31	1.11	5.05	0.63	0.23
November	0.90	2.09	7.21	0.41	3.66	10.58	5.06	3.97	1.76	0.00	3.65
December	10.94	3.74	5.31	11.14	11.92	4.93	2.82	1.26	0.93	0.00	12.15
January	12.43	3.55	15.36	11.16	13.31	16.38	8.64	10.17	7.76	0.00	1.81
February	7.55	7.57	0.35	9.52	0.39	21.20	18.90	15.21	8.69	0.00	4.67
March	3.77	1.04	11.76	4.51	0.80	3.48	6.35	3.31	2.25	0.00	0.00
April	2.27	2.50	3.17	2.67	1.30	3.69	3.69	4.19	2.96	0.00	0.00
May	1.86	2.21	2.08	2.92	0.59	5.41	0.16	2.32	0.03	0.00	0.00
June	0.65	0.15	1.05	0.18	0.77	0.41	0.62	0.24	0.16	0.00	0.00
July	0.08	0.18	0.07	0.08	0.18	0.24	0.07	0.35	0.38	0.00	0.00
August	0.23	0.23	0.07	0.09	1.04	0.08	0.46	0.26	0.53	0.00	0.00
September	0.28	0.12	0.20	0.27	0.11	0.34	0.28	0.55	0.35	0.23	0.00
Total	44.85	24.22	46.74	43.04	36.05	67.77	48.36	42.93	30.85	1.11	22.50

San Vicente/Deniston Creek Upland Area

WATER YEAR	1992-1993	1993-1994	1994-1995	1995-1996	1996-1997	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003
October	3.97	0.86	0.11	0.10	2.03	1.06	1.34	1.13	5.16	0.65	0.23
November	0.92	2.14	7.37	0.41	3.74	10.82	5.18	4.06	1.79	0.00	3.73
December	11.18	3.82	5.42	11.39	12.19	5.04	2.88	1.28	0.95	0.00	12.42
January	12.71	3.63	15.70	11.41	13.61	16.74	8.83	10.39	7.94	0.00	1.85
February	7.71	7.74	0.36	9.73	0.40	21.67	19.32	15.55	8.89	0.00	4.77
March	3.85	1.06	12.02	4.61	0.81	3.56	6.49	3.38	2.30	0.00	0.00
April	2.32	2.55	3.24	2.73	1.32	3.77	3.77	4.28	3.02	0.00	0.00
May	1.90	2.26	2.13	2.98	0.61	5.53	0.17	2.37	0.03	0.00	0.00
June	0.66	0.15	1.08	0.18	0.79	0.41	0.63	0.25	0.17	0.00	0.00
July	0.08	0.18	0.07	0.08	0.18	0.25	0.07	0.36	0.39	0.25	0.00
August	0.23	0.23	0.07	0.10	1.06	0.08	0.47	0.26	0.54	0.00	0.00
September	0.29	0.12	0.21	0.28	0.11	0.35	0.29	0.57	0.36	0.23	0.00
Total	45.84	24.76	47.78	43.99	36.85	69.28	49.43	43.88	31.53	1.13	23.00

Montara Upland Area

WATER YEAR	1992-1993	1993-1994	1994-1995	1995-1996	1996-1997	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003
October	3.34	0.72	0.09	0.08	1.71	0.89	1.13	0.95	4.34	0.55	0.20
November	0.78	1.80	6.19	0.35	3.14	9.09	4.35	3.41	1.51	0.00	3.13
December	9.40	3.21	4.56	9.57	10.24	4.23	2.42	1.08	0.80	0.00	10.44
January	10.68	3.05	13.20	9.59	11.44	14.07	7.42	8.73	6.67	0.00	1.55
February	6.48	6.51	0.30	8.18	0.34	18.21	16.24	13.07	7.47	0.00	4.01
March	3.24	0.89	10.10	3.87	0.68	2.99	5.45	2.84	1.94	0.00	0.00
April	1.95	2.15	2.73	2.30	1.11	3.17	3.17	3.60	2.54	0.00	0.00
May	1.60	1.90	1.79	2.51	0.51	4.65	0.14	2.00	0.02	0.00	0.00
June	0.56	0.13	0.90	0.15	0.66	0.35	0.53	0.21	0.14	0.00	0.00
July	0.07	0.15	0.06	0.07	0.15	0.21	0.06	0.30	0.32	0.21	0.00
August	0.20	0.20	0.06	0.08	0.89	0.07	0.39	0.22	0.45	0.00	0.00
September	0.24	0.10	0.17	0.23	0.09	0.29	0.24	0.48	0.30	0.20	0.00
Total	38.54	20.81	40.16	36.98	30.97	58.23	41.55	36.89	26.51	0.95	19.34

Precipitation

Lower Terrace Precipitation

WATER YEAR	2003-2004	2004-2005	HB rainfall
October	0.22	4.6	1.60
November	2.27	1.38	3.18
December	8.81	8.66	4.68
January	3.33	6.11	5.45
February	6.37	5.28	4.59
March	1.39	5.52	3.87
April	0.31	1.69	1.88
May	0.15	2.32	0.74
June	0.05	1.31	0.29
July	0.34		0.12
August	0.33		0.22
September	0.29		0.40
Total	23.86	36.87	25.48

Upper El Granada Precipitation

WATER YEAR	2003-2004	2004-2005	HB rainfall
October	0.28	5.80	1.98
November	2.86	1.74	3.73
December	11.10	10.91	5.59
January	4.20	7.70	6.51
February	8.03	6.65	5.48
March	1.75	6.96	4.46
April	0.39	2.13	2.25
May	0.19	2.92	0.88
June	0.06	1.65	0.34
July	0.43	0.00	0.14
August	0.42	0.00	0.26
September	0.37	0.00	0.48
Total	30.06	46.46	32.10

Frenchman Creek Upland Area

WATER YEAR	2003-2004	2004-2005	HB rainfall
October	0.30	6.21	2.12
November	3.06	1.86	3.99
December	11.89	11.69	5.99
January	4.50	8.25	6.97
February	8.60	7.13	5.88
March	1.88	7.45	4.78
April	0.42	2.28	2.41
May	0.20	3.13	0.95
June	0.07	1.77	0.37
July	0.46	0.00	0.15
August	0.45	0.00	0.28
September	0.39	0.00	0.51
Total	32.21	49.77	34.40

San Vicente/Deniston Creek Upland Area

WATER YEAR	2003-2004	2004-2005	HB rainfall
October	0.30	6.35	2.17
November	3.13	1.90	4.08
December	12.16	11.95	6.12
January	4.60	8.43	7.13
February	8.79	7.29	6.01
March	1.92	7.62	4.89
April	0.43	2.33	2.46
May	0.21	3.20	0.97
June	0.07	1.81	0.38
July	0.47	0.00	0.15
August	0.46	0.00	0.29
September	0.40	0.00	0.53
Total	32.93	50.88	35.16

Montara Upland Area

WATER YEAR	2003-2004	2004-2005	HB rainfall
October	0.26	5.34	1.82
November	2.63	1.60	3.43
December	10.22	10.05	5.15
January	3.86	7.09	5.99
February	7.39	6.12	5.05
March	1.61	6.40	4.11
April	0.36	1.96	2.07
May	0.17	2.69	0.81
June	0.06	1.52	0.32
July	0.39	0.00	0.13
August	0.38	0.00	0.24
September	0.34	0.00	0.44
Total	27.68	42.77	29.55

Precipitation Weighted Averages

Precipitation Weighted Averages

Wtd. Average Lowland Average ElGranada Upland Precip. Factor

El Granada Upland Area			Total Area Rainfall (Ac-Ft./yr)	Total Area Rainfall (Ac-In./yr)
Ft. ²	Ac.	Mi. ²		
35	4,729,553	0.17	316.68	3800.15
33	12,526,737	0.45	790.83	9489.95
31	23,008,390	0.83	1364.52	16374.20
29	33,394,514	1.20	1852.70	
27	31,997,697	1.15	1652.77	
Total	105,656,891	3.79	5977.49	

32.09 25.47 1.26

Frenchman Creek Upland Area

Frenchman Creek Upland Area			Total Area Rainfall (Ac-Ft./yr)	Total Area Rainfall (Ac-In./yr)
Ft. ²	Ac.	Mi. ²		
41	1,007,210	0.04	79.0	948.02
39	14,477,783	0.52	1080.2	12962.20
37	31,470,673	1.13	2227.6	26731.29
35	40,001,758	1.43	2678.4	32140.99
33	38,323,217	1.37	2419.4	29032.74
31	35,038,030	1.26	2077.9	24935.24
29	32,787,202	1.18	1819.0	
27	23,065,274	0.83	1191.4	
Total	216,171,147	7.75	13,572.93	

34.44 25.47 1.35

San Vicente/Deniston Watershed

San Vicente/Deniston Watershed			Total Area Rainfall (Ac-Ft./yr)	Total Area Rainfall (Ac-In./yr)
Ft. ²	Ac.	Mi. ²		
41	11,095,700	0.40	870.3	10443.61
39	31,052,638	1.11	2316.8	27801.95
37	27,331,553	0.98	1934.6	23215.51
35	28,549,902	1.02	1911.6	22939.54
33	29,213,592	1.05	1844.3	22131.51
31	16,698,606	0.60	990.3	11883.76
29	15,129,073	0.54	839.3	10072.16
27	27,922,111	1.00	1442.3	
25	48,306,678	1.73	2310.4	
Total	235,299,853	8.44	14,460	

35.19 25.47 1.38

Montara / Moss Beach Study Areas

Montara / Moss Beach Study Areas			Total Area Rainfall (Ac-Ft./yr)	Total Area Rainfall (Ac-In./yr)
Ft. ²	Ac.	Mi. ²		
33	3,297,842	0.12	208.2	2498.37
31	19,679,929	0.71	1167.1	14005.46
29	29,841,508	1.07	1655.6	19866.94
27	9,827,452	0.35	507.6	6091.40
27	46,731,727	1.68	2413.8	
25	31,999,774	1.15	1530.4	
Total	141,378,232	5.07	7482.79	

29.53 25.47 1.16

Soil Types by Subarea

Soil Types by Subarea

Soils	El Granada Watershed			Total for Soil Column (in.)
	Depth of Horizons	Max AWHC	Max AWHC	
	In.	(in./in.)	(in.)	
Cf	6.00	0.05	0.30	3.00
	54.00	0.05	2.70	
DcA	10.00	0.19	1.90	12.07
	35.00	0.16	5.60	
	16.00	0.19	3.04	
DdA	9.00	0.17	1.53	12.07
	10.00	0.19	1.90	
	35.00	0.16	5.60	
DeA	16.00	0.19	3.04	11.84
	9.00	0.17	1.53	
	10.00	0.13	1.30	
DmA	10.00	0.19	1.90	11.90
	35.00	0.16	5.60	
	16.00	0.19	3.04	
DmB	15.00	0.17	2.55	11.90
	30.00	0.16	4.80	
	15.00	0.19	2.85	
FaB	10.00	0.17	1.70	8.40
	20.00	0.16	3.20	
	28.00	0.13	3.64	
FcB	12.00	0.13	1.56	7.60
	20.00	0.12	2.40	
	28.00	0.13	3.64	
FcC2	12.00	0.13	1.56	7.65
	15.00	0.12	1.80	
	33.00	0.13	4.29	
FcD2	12.00	0.13	1.56	7.65
	15.00	0.12	1.80	
	33.00	0.13	4.29	
FsB	12.00	0.13	1.56	5.80
	20.00	0.12	2.40	
	10.00	0.13	1.30	
FyB	30.00	0.07	2.10	6.80
	20.00	0.08	1.60	
	28.00	0.13	3.64	
FyC2	12.00	0.13	1.56	7.05
	15.00	0.08	1.20	
	33.00	0.13	4.29	
GP	12.00	0.13	1.56	1.20
	6.00	0.02	0.12	
Gu	54.00	0.02	1.08	0.00
	60.00		0.00	
Gw	60.00		0.00	0.00
	60.00		0.00	
MmC2	22.00	0.12	2.64	5.34
	15.00	0.18	2.70	
MmD2	4.00		0.00	2.64
	22.00	0.12	2.64	

Soil Types by Subarea

El Granada Watershed		Acres	%
North			
Blank		17.90	
Cf	Coastal beaches	8.20	0.60
DcA	Denison clay loam, nearly level	14.90	1.10
DeA	Denison coarse sandy loam, nearly level	15.60	1.20
DmA	Denison loam, nearly level	9.70	0.70
DmB	Denison loam, gently sloping	37.10	2.70
FaB	Farallone loam, gently sloping	4.20	0.30
FcC2	Farallone coarse sandy loam, sloping, eroded	0.90	0.10
FcD2	Farallone coarse sandy loam, moderately steep, eroded	6.00	0.40
FyC2	Farallone loamy coarse sand, sloping, eroded	5.70	0.40
Gu	Gullied land (alluvial soil material)	20.50	1.50
Gw	Gullied land (tierra and watsonville soil materials)	29.10	2.10
MmC2	Miramar coarse sandy loam, sloping, eroded	8.90	0.70
MmD2	Miramar coarse sandy loam, moderately steep, eroded	127.70	9.40
MmE2	Miramar coarse sandy loam, steep, eroded	167.70	12.40
MmE3	Miramar coarse sandy loam, steep, severely eroded	67.70	5.00
MmF2	Miramar coarse sandy loam, very steep, eroded	490.60	36.20
Rb	Rough broken land	28.30	2.10
TeC2	Tierra loam, sloping, eroded	8.60	0.60
TeD2	Tierra loam, moderately steep, eroded	24.30	1.80
TeD3	Tierra loam, moderately steep, severely eroded	5.60	0.40
TeE2	Tierra loam, steep, eroded	22.60	1.70
WmC2	Watsonville loam, sloping, eroded	3.30	0.20

El Granada Watershed		Acres	%
South			
Blank		200.4	14.5
Cf	Coastal beaches	2.30	0.20
DcA	Denison clay loam, nearly level	47.00	3.40
DdA	Denison clay loam, nearly level, imperfectly drained	5.40	0.40
DeA	Denison coarse sandy loam, nearly level	14.10	1.00
DmA	Denison loam, nearly level	8.00	0.60
DmB	Denison loam, gently sloping	10.30	0.70
FaB	Farallone loam, gently sloping	8.90	0.60
FcB	Farallone coarse sandy loam, gently sloping	8.80	0.60
FcC2	Farallone coarse sandy loam, sloping, eroded	20.00	1.40
FcD2	Farallone coarse sandy loam, moderately steep, eroded	7.40	0.50
FsB	Farallone coarse sandy loam, over coarse sands, gently sloping	4.70	0.30
FyB	Farallone loamy coarse sand, gently sloping	8.20	0.60
GP	Gravel pits	3.00	0.20
Gu	Gullied land (alluvial soil material)	26.40	1.90
MmC2	Miramar coarse sandy loam, sloping, eroded	20.7	1.5
MmD2	Miramar coarse sandy loam, moderately steep, eroded	49.3	3.6
MmE2	Miramar coarse sandy loam, steep, eroded	415.9	30.1
MmE3	Miramar coarse sandy loam, steep, severely eroded	17.2	1.2
MmF2	Miramar coarse sandy loam, very steep, eroded	395.7	28.6
TcC2	Tierra clay loam, sloping, eroded	2.3	0.2
TcD2	Tierra clay loam, moderately steep, eroded	1.4	0.1
TeE2	Tierra loam, steep, eroded	13.9	1
TeE3	Tierra loam, steep, severely eroded	34.7	2.5
WmC2	Watsonville loam, sloping, eroded	7	0.5
WmD2	Watsonville loam, moderately steep, eroded	9.6	0.7

Soil Types by Subarea

Soils	Depth of Horizons	El Granada Watershed		Total for Soil Column
		Max AWHC	Max AWHC	
	15.00	0.18	2.70	5.34
	4.00		0.00	
MmE2	22.00	0.12	2.64	5.34
	15.00	0.18	2.70	
	4.00		0.00	4.86
	18.00	0.12	2.16	
MmE3	15.00	0.18	2.70	4.86
	4.00		0.00	
MmF2	22.00	0.12	2.64	5.34
	15.00	0.18	2.70	
	4.00		0.00	0.00
	10.00		0.00	
Rb	4.00		0.00	0.00
	17.00	0.19	3.23	
TcC2	20.00	0.06	1.20	6.64
	13.00	0.17	2.21	
TcD2	17.00	0.19	3.23	8.80
	20.00	0.06	1.20	
	23.00	0.19	4.37	8.06
	17.00	0.16	2.72	
TeC2	20.00	0.06	1.20	8.06
	23.00	0.18	4.14	
TeD3	13.00	0.16	2.08	8.14
	20.00	0.06	1.20	
	27.00	0.18	4.86	8.14
	17.00	0.16	2.72	
TeE2	20.00	0.06	1.20	8.06
	23.00	0.18	4.14	
TeE3	13.00	0.16	2.08	8.14
	20.00	0.06	1.20	
	27.00	0.18	4.86	6.95
	15.00	0.17	2.55	
WmB	25.00	0.04	1.00	6.95
	20.00	0.17	3.40	
WmC2	11.00	0.17	1.87	6.95
	25.00	0.04	1.00	
	24.00	0.17	4.08	6.95
	11.00	0.17	1.87	
WmD2	25.00	0.04	1.00	6.95
	24.00	0.17	4.08	

Soil Types by Subarea

Frenchman Watershed

		Acres	%
Blank		158.9	4.8
Cf	Coastal beaches	12.1	0.4
DeA	Denison coarse sandy loam, nearly level	5.4	0.2
DmA	Denison loam, nearly level	39.8	1.2
FaA	Farallone loam, nearly level	0.2	0
FaB	Farallone loam, gently sloping	13.2	0.4
FcA	Farallone coarse sandy loam, nearly level	151.1	4.6
FcB	Farallone coarse sandy loam, gently sloping	51.9	1.6
FcC2	Farallone coarse sandy loam, sloping, eroded	28.7	0.9
FcD2	Farallone coarse sandy loam, moderately steep, eroded	10.5	0.3
FsB	Farallone coarse sandy loam, over coarse sands, gently sloping	8.1	0.2
FyB	Farallone loamy coarse sand, gently sloping	14.6	0.4
FyC2	Farallone loamy coarse sand, sloping, eroded	26	0.8
GP	Gravel pits	2.8	0.1
Gu	Gullied land (alluvial soil material)	91.4	2.8
Gw	Gullied land (tierra and watsonville soil materials)	17.8	0.5
MmC2	Miramar coarse sandy loam, sloping, eroded	37	1.1
MmD2	Miramar coarse sandy loam, moderately steep, eroded	113.7	3.4
MmE2	Miramar coarse sandy loam, steep, eroded	157.5	4.8
MmE3	Miramar coarse sandy loam, steep, severely eroded	132.6	4
MmF2	Miramar coarse sandy loam, very steep, eroded	1423.6	43.2
Rb	Rough broken land	672.8	20.4
SaF3	Santa Lucia loam, steep and very steep, severely eroded	2.2	0.1
Sd	Stabilized dune land	4.7	0.1
TeC2	Tierra loam, sloping, eroded	2.8	0.1
TeD2	Tierra loam, moderately steep, eroded	31.8	1
TeE2	Tierra loam, steep, eroded	7.4	0.2
TeE3	Tierra loam, steep, severely eroded	41.9	1.3
W	Water	0.8	0
WmC2	Watsonville loam, sloping, eroded	2.5	0.1
WmD2	Watsonville loam, moderately steep, eroded	9.6	0.3

Soil Types by Subarea

San Vicente North and South		Acres	%
BsF	Butano shaly loam, very steep	2.8	0.2
Cf	Coastal beaches	3.6	0.3
DcA	Denison clay loam, nearly level	484	14.2
DcA	Denison clay loam, nearly level	16	1.3
DdA	Denison clay loam, nearly level, imperfectly drained	57.2	1.7
DeA	Denison coarse sandy loam, nearly level	2.6	0.1
DeA	Denison coarse sandy loam, nearly level	12.4	1
DmA	Denison loam, nearly level	59.6	1.8
DmA	Denison loam, nearly level	46.1	3.8
DmA	Denison loam, nearly level	5.6	0.2
DmB	Denison loam, gently sloping	23.3	1.9
DmB	Denison loam, gently sloping	23.9	0.7
DmC	Denison loam, sloping	44.8	1.3
EhB2	Elkhorn sandy loam, gently sloping, eroded	14.4	0.4
EhC2	Elkhorn sandy loam, sloping, eroded	111.2	3.3
EhE3	Elkhorn sandy loam, moderately steep and steep, severely eroded	20.4	0.6
FaA	Farallone loam, nearly level	10.3	0.3
FaB	Farallone loam, gently sloping	24.8	0.7
FcA	Farallone coarse sandy loam, nearly level	40.7	1.2
FcB	Farallone coarse sandy loam, gently sloping	11.8	1
FcB	Farallone coarse sandy loam, gently sloping	43.2	1.3
FcC2	Farallone coarse sandy loam, sloping, eroded	1.7	0.1
FcC2	Farallone coarse sandy loam, sloping, eroded	4.8	0.1
FcD2	Farallone coarse sandy loam, moderately steep, eroded	3.8	0.3
FcD2	Farallone coarse sandy loam, moderately steep, eroded	82.4	2.4
FsB	Farallone coarse sandy loam, over coarse sands, gently sloping, seeped	26.5	2.2
FsB	Farallone coarse sandy loam, over coarse sands, gently sloping, seeped	2.9	0.1
FyC2	Farallone loamy coarse sand, sloping, eroded	9.2	0.3
GbF2	Gazos loam, very steep, eroded	34.4	1
Gu	Gullied land (alluvial soil material)	11.5	0.9
Gu	Gullied land (alluvial soil material)	10.7	0.3
Gw	Gullied land (tierra and watsonville soil materials)	3.8	0.3
Gw	Gullied land (tierra and watsonville soil materials)	13.6	0.4
Ma	Mixed alluvial land	2.6	0.2
Ma	Mixed alluvial land	6	0.2
MmC2	Miramar coarse sandy loam, sloping, eroded	6.9	0.6
MmC2	Miramar coarse sandy loam, sloping, eroded	53.1	4.3
MmD2	Miramar coarse sandy loam, moderately steep, eroded	141.5	4.2
MmE2	Miramar coarse sandy loam, steep, eroded	58.1	4.7
MmE2	Miramar coarse sandy loam, steep, eroded	313.2	9.2
MmE3	Miramar coarse sandy loam, steep, severely eroded	51.6	4.2
MmE3	Miramar coarse sandy loam, steep, severely eroded	590.8	17.4
MmF2	Miramar coarse sandy loam, very steep, eroded	353.1	28.9
MmF2	Miramar coarse sandy loam, very steep, eroded	786.8	23.2
Rb	Rough broken land	477.5	39
Rb	Rough broken land	4.3	0.1
Sd	Stabilized dune land	35.2	1
ShD	Sheridan coarse sandy loam, moderately steep	40.5	1.2
TeC2	Tierra loam, sloping, eroded	10.8	0.9
TeC2	Tierra loam, sloping, eroded	24.5	0.7
TeD2	Tierra loam, moderately steep, eroded	20.2	1.7
TeD2	Tierra loam, moderately steep, eroded	2.6	0.1
TeD3	Tierra loam, moderately steep, severely eroded		

Soil Types by Subarea

San Vicente North and South

		Acres	%
TeD3	Tierra loam, moderately steep, severely eroded	1.8	0.1
TeE2	Tierra loam, steep, eroded	55.2	1.6
TeE2	Tierra loam, steep, eroded	10.3	0.8
W	Water	2.6	0.1
WnA	Watsonville loam, nearly level, poorly drained	2.3	0.1

San Mateo County, Eastern Part, and San Francisco County, California Map

Unit Symbol Map Unit Name Acres in AOI Percent of AOI

130	Typic Argiustolls, loamy-Urban land association, 5 to 15 percent slopes	117	3.4
138	Beaches	0.4	0

Montara

		Acres	%
MmD2	Miramar coarse sandy loam, moderately steep, eroded	18.1	0.7
MmE2	Miramar coarse sandy loam, steep, eroded	5.9	0.2
MmE3	Miramar coarse sandy loam, steep, severely eroded	87.3	3.2
MmF2	Miramar coarse sandy loam, very steep, eroded	12.8	0.5
ShD	Sheridan coarse sandy loam, moderately steep	3	0.1
TeC2	Tierra loam, sloping, eroded	3.9	0.1
TeD2	Tierra loam, moderately steep, eroded	6.5	0.2
TeE2	Tierra loam, steep, eroded	3.9	0.1

San Mateo County, Eastern Part, and San Francisco County, California Map

Unit Symbol Map Unit Name Acres in AOI Percent of AOI

127	Rock outcrop-Orthents complex, 30 to 75 percent slopes	23.6	0.9
128	Scarper-Miramar complex, 30 to 75 percent slopes	1620	58.5
130	Typic Argiustolls, loamy-Urban land association, 5 to 15 percent slopes	937	33.8
138	Beaches	15.3	0.6

Adjusted Rainfall by Subarea

Adjusted Rainfall by Subarea

El Granada Lowland Precipitation

WATER YEAR	October	November	December	January	February	March	April	May	June	July	August	September	Total
1947-1948	0.55	0.66	4.99	1.73	3.91	4.96	0.00	0.41	0.00	0.00	0.00	0.04	0.04
1948-1949	0.00				2.24	1.34	2.12	0.37	0.14	0.00	0.00	0.08	6.29
1949-1950	0.00				2.98	2.84	0.91	0.98	0.17	0.12	0.00	0.28	26.81
1950-1951	1.95	5.46	6.01	5.11	2.98	2.84	0.91	0.98	0.17	0.12	0.00	0.15	36.72
1951-1952	1.16	4.15	11.30	9.31	2.20	6.21	0.82	0.45	1.14	0.03	0.00	0.53	23.82
1952-1953	0.27	2.66	11.36	4.55	2.58	5.03	1.49	0.06	0.64	0.10	0.55	0.08	19.75
1953-1954	0.67	3.33	1.04	4.18	1.37	0.28	2.60	0.36	0.07	0.17	0.12	0.28	17.03
1954-1955	0.23	1.96	4.53	5.06	2.81	0.00	1.88	1.37	0.07	0.25	0.45	0.45	35.00
1955-1956	0.21	2.32	13.81	11.38	4.42	5.98	1.65	4.10	0.08	0.00	0.08	1.08	23.02
1956-1957	1.75	0.00	0.57	3.31	10.79	9.38	5.83	0.68	0.71	0.38	0.00	0.18	43.01
1957-1958	3.17	1.78	3.88	6.23	5.64	0.64	0.42	0.36	0.00	0.00	0.21	3.66	18.45
1958-1959	0.27	0.50	1.89	5.29	4.66	1.90	1.27	0.71	0.00	0.00	0.00	0.00	16.20
1959-1960	0.40	0.00	1.97	5.29	4.66	1.90	1.27	0.71	0.00	0.00	0.10	0.57	19.50
1960-1961	0.88	5.12	1.70	2.98	1.89	3.25	1.06	1.73	0.22	0.00	0.29	0.51	23.07
1961-1962	0.12	3.66	3.18	2.09	8.64	3.52	0.82	0.24	0.00	0.00	0.03	0.09	32.40
1962-1963	10.97	0.60	3.57	3.44	3.65	4.33	5.08	0.64	0.00	0.00	0.00	0.00	17.10
1963-1964	2.48	4.00	1.04	5.32	0.52	2.46	0.23	0.47	0.58	0.00	0.00	0.00	25.40
1964-1965	1.89	3.11	7.50	4.41	1.40	1.58	5.22	0.00	0.06	0.12	0.27	0.25	20.05
1965-1966	0.00	5.58	4.96	3.77	3.51	0.68	0.71	0.20	0.00	0.00	0.00	0.00	34.79
1966-1967	0.00	5.18	2.89	3.62	10.44	6.18	7.43	0.25	1.44	0.00	0.28	0.00	21.50
1967-1968	0.76	2.13	2.89	6.19	2.62	5.78	0.61	0.24	0.00	0.00	0.00	0.21	31.48
1968-1969	0.65	2.69	5.90	8.06	8.68	2.07	2.76	0.06	0.40	0.00	0.00	0.00	20.68
1969-1970	1.73	0.76	4.55	8.49	2.31	2.04	0.32	0.27	0.21	0.00	0.00	0.00	26.00
1970-1971	0.90	8.41	7.67	1.61	0.76	3.49	1.51	0.53	0.08	0.28	0.00	0.00	13.03
1971-1972	0.23	2.29	5.10	1.27	1.33	0.19	0.23	0.21	0.05	0.00	0.09	0.62	33.87
1972-1973	6.90	6.49	3.17	8.78	7.33	7.20	3.22	0.01	0.50	1.01	0.13	0.00	37.96
1973-1974	3.04	9.50	6.32	4.87	2.16	7.20	3.22	0.01	0.50	1.01	0.13	0.00	24.23
1974-1975	1.36	0.64	3.64	2.95	4.88	7.11	2.14	0.10	0.28	0.52	0.59	0.02	14.72
1975-1976	4.49	0.85	0.69	0.52	2.54	1.13	2.04	0.13	0.04	0.16	1.56	0.59	14.61
1976-1977	0.30	1.73	2.41	2.26	1.31	3.15	0.20	1.23	0.00	0.00	0.00	0.00	34.15
1977-1978	0.47	3.37	5.60	9.01	5.62	5.58	4.50	0.00	0.00	0.00	0.29	0.13	30.28
1978-1979	0.05	3.04	0.83	8.11	6.27	4.83	0.89	0.85	0.00	0.00	0.07	0.05	19.24
1979-1980	3.23	3.97	5.76	5.40	7.49	1.90	1.88	0.32	0.03	0.00	0.42	0.37	49.41
1980-1981	0.18	0.85	2.44	7.48	2.42	4.71	0.24	0.33	0.00	0.00	0.15	1.73	49.41
1981-1982	3.98	7.08	6.00	12.01	5.11	7.91	5.02	0.00	0.42	0.00	0.14	0.80	52.62
1982-1983	3.82	7.03	5.41	8.98	9.14	13.05	3.33	0.89	0.03	0.00	0.33	0.18	25.50
1983-1984	1.12	8.07	9.46	0.26	2.15	2.12	1.09	0.20	0.46	0.06	0.06	0.40	27.54
1984-1985	3.81	9.86	3.20	1.02	2.90	5.07	0.13	0.32	0.47	0.31	0.05	2.20	32.23
1985-1986	1.51		3.18	4.98	11.48	7.12	0.50	0.84	0.09	0.08	0.00	0.00	18.16
1986-1987	0.42	0.32	3.10	5.10	3.87	4.16	0.95	0.06	0.08	0.00	0.10	0.00	20.02
1987-1988	2.13	2.63	6.03	4.48	0.58	0.12	3.04	0.69	0.29	0.01	0.01	0.02	24.51
1988-1989	0.94	3.55	5.17	2.01	1.30	7.95	1.83	0.31	0.10	0.13	0.27	0.95	24.51
1989-1990	2.05	1.95	0.03	4.29	2.52	1.33	0.29	2.82	0.46	0.24	0.14	0.33	16.45
1990-1991	0.55	0.74	2.58	0.56	4.19	8.81	0.90	0.67	0.32	0.27	0.92	0.25	20.76
1991-1992	2.63	1.01	3.60	3.18	8.70	8.40	0.40	0.06	0.84	0.02	0.18	0.21	24.19
1992-1993	2.88	0.67	8.10	9.21	5.59	2.79	1.68	1.38	0.48	0.11	0.13	0.17	33.22
1993-1994	0.62	1.55	2.77	2.63	5.61	0.77	1.85	1.64	0.11	0.13	0.17	0.09	17.94
1994-1995	0.08	5.34	3.93	11.38	0.26	8.71	2.35	1.54	0.78	0.05	0.05	0.15	34.62
1995-1996	0.07	0.30	8.25	8.27	7.05	3.34	1.98	2.16	0.13	0.06	0.07	0.20	31.88
1996-1997	1.47	2.71	8.83	9.86	0.29	0.59	0.96	0.44	0.57	0.13	0.77	0.08	26.70
1997-1998	0.77	7.84	3.65	12.13	15.70	2.58	2.73	4.01	0.30	0.18	0.06	0.25	50.20
1998-1999	0.97	3.75	2.09	6.40	14.00	4.70	2.73	0.12	0.46	0.05	0.34	0.21	35.82
1999-2000	0.82	2.94	0.93	7.53	11.27	2.45	3.10	1.72	0.18	0.26	0.19	0.41	31.80
2000-2001	3.74	1.30	0.69	5.75	6.44	1.67	2.19	0.02	0.12	0.28	0.39	0.17	22.85
2001-2002	0.47												25.78
2002-2003	0.17	2.70	9.00	1.34	3.46	1.39	0.31	0.15	0.05	0.34	0.33	0.29	23.86
2003-2004	0.22	2.27	8.81	3.33	6.37	5.52	1.69	2.32	1.31	0.23	0.12	0.22	36.87
2004-2005	4.60	1.38	8.66	6.11	5.28	3.87	1.88	0.74	0.23	0.12	0.22	0.40	26.05
HB rainfall	1.60	3.18	4.68	5.45	4.59	3.87	1.88	0.74	0.23	0.12	0.22	0.40	26.05

Adjusted Rainfall by Subarea

Upper El Granada Precipitation
Precipitation Fact 1.26

WATER YEAR	October	November	December	January	February	March	April	May	June	July	August	September	Total
1947-1948	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05
1948-1949	0.69	0.83	6.29	2.18	4.93	6.25	0.00	0.52	0.00	0.00	0.21	0.00	21.90
1949-1950	0.00	0.00	0.00	0.00	2.82	1.69	2.67	0.47	0.18	0.00	0.00	0.10	7.93
1950-1951	2.46	6.88	7.57	6.44	3.75	3.58	1.15	1.23	0.21	0.15	0.00	0.35	33.78
1951-1952	1.46	5.23	14.24	11.73	2.77	7.82	0.78	0.57	1.44	0.04	0.00	0.19	46.27
1952-1953	0.34	3.35	14.31	5.73	0.00	0.00	3.99	0.76	0.71	0.00	0.67	0.15	30.01
1953-1954	0.84	4.20	1.31	5.27	3.25	6.34	1.88	0.08	0.81	0.13	0.69	0.10	24.88
1954-1955	0.29	2.47	5.71	6.38	1.73	0.35	3.28	0.45	0.09	0.21	0.15	0.35	21.46
1955-1956	0.26	2.92	17.40	14.34	3.54	0.00	2.37	1.73	0.09	0.31	0.57	0.57	44.10
1956-1957	2.20	0.00	0.72	4.17	5.57	7.53	2.08	5.17	0.10	0.00	0.10	1.36	29.01
1957-1958	3.99	2.24	4.89	7.85	13.60	11.82	7.35	0.86	0.89	0.48	0.00	0.23	54.19
1958-1959	0.34	0.63	2.38	6.39	7.11	0.81	0.53	0.45	0.00	0.00	0.26	4.61	23.51
1959-1960	0.50	0.00	2.48	6.67	5.87	2.39	1.60	0.89	0.00	0.00	0.00	0.00	20.41
1960-1961	1.11	6.45	2.14	3.75	2.38	4.09	1.34	2.18	0.28	0.00	0.13	0.72	24.57
1961-1962	0.15	4.61	4.01	2.63	10.89	4.44	1.03	0.00	0.00	0.00	0.37	0.64	29.07
1962-1963	13.82	0.76	4.50	4.33	4.60	5.46	6.40	0.81	0.00	0.00	0.04	0.11	40.82
1963-1964	3.12	5.04	1.31	6.70	0.66	3.10	0.29	0.59	0.73	0.00	0.00	0.00	21.55
1964-1965	2.38	3.92	9.45	5.56	1.76	1.99	6.58	0.00	0.08	0.00	0.29	0.00	32.00
1965-1966	0.00	7.03	6.25	4.75	4.42	0.86	0.89	0.25	0.00	0.15	0.34	0.31	25.26
1966-1967	0.00	6.53	4.56	13.15	0.31	7.79	9.36	0.31	1.81	0.00	0.00	0.00	43.84
1967-1968	0.96	2.68	3.64	7.80	3.30	7.28	0.77	0.30	0.00	0.00	0.35	0.00	27.09
1968-1969	0.82	3.39	7.43	10.16	10.94	2.61	3.48	0.08	0.50	0.00	0.00	0.26	39.66
1969-1970	2.18	0.96	5.73	10.70	2.91	2.57	0.40	0.34	0.26	0.00	0.00	0.00	26.06
1970-1971	1.13	10.60	9.66	2.03	0.96	4.40	1.90	0.67	0.10	0.35	0.45	0.50	32.76
1971-1972	0.29	2.89	6.43	1.60	1.68	0.24	1.57	0.14	0.35	0.00	0.00	1.23	16.42
1972-1973	8.69	8.18	3.99	11.06	9.24	0.00	0.29	0.26	0.06	0.00	0.11	0.78	42.68
1973-1974	3.83	11.97	7.96	6.14	2.72	9.07	4.06	0.01	0.63	1.27	0.16	0.00	47.83
1974-1975	1.71	0.81	4.59	3.72	6.15	8.96	2.70	0.13	0.35	0.66	0.74	0.03	30.53
1975-1976	5.66	1.07	0.87	0.66	3.20	1.42	2.57	0.16	0.05	0.18	1.97	0.74	18.55
1976-1977	0.38	2.18	3.04	2.85	1.65	3.97	0.25	1.55	0.00	0.20	0.34	2.00	18.41
1977-1978	0.59	4.25	7.06	11.35	7.03	5.67	0.00	0.00	0.00	0.00	0.00	0.00	43.03
1978-1979	0.06	3.83	1.05	10.22	7.90	6.09	1.12	1.07	0.00	0.37	0.16	0.00	31.87
1979-1980	4.07	5.00	7.26	6.80	9.44	2.39	2.37	0.40	0.04	0.09	0.06	0.23	38.15
1980-1981	0.23	0.82	3.07	9.42	3.05	5.93	0.30	0.42	0.00	0.00	0.53	0.47	24.24
1981-1982	5.01	8.92	7.56	15.13	6.44	9.97	6.33	0.00	0.53	0.00	0.19	2.18	62.26
1982-1983	4.81	8.86	6.82	11.31	11.52	16.44	4.20	1.12	0.04	0.00	0.18	1.01	66.30
1983-1984	1.41	10.17	11.92	0.33	2.71	2.87	1.37	0.25	0.58	0.08	0.42	0.23	32.13
1984-1985	4.80	12.42	4.03	1.29	3.65	6.39	0.16	0.40	0.59	0.39	0.06	0.50	34.70
1985-1986	1.90	0.00	4.01	6.27	14.46	8.97	0.63	1.06	0.11	0.10	0.31	2.77	40.61
1986-1987	0.53	0.40	3.91	6.43	4.88	5.24	1.20	0.08	0.10	0.00	0.13	0.00	22.88
1987-1988	2.68	3.31	7.60	5.64	0.73	0.15	3.83	0.87	0.37	0.00	0.01	0.03	25.23
1988-1989	1.18	4.47	4.01	2.53	1.64	10.02	2.31	0.39	0.13	0.16	0.34	1.20	30.88
1989-1990	2.58	2.46	0.04	5.41	3.18	1.68	3.55	0.58	0.30	0.18	0.42	0.42	20.73
1990-1991	0.69	0.93	3.25	0.71	5.28	11.10	1.13	0.84	0.40	0.34	1.16	0.31	26.16
1991-1992	3.31	1.27	4.54	4.01	10.96	4.35	0.50	0.08	1.06	0.03	0.23	0.15	30.48
1992-1993	3.63	0.84	10.21	11.60	7.07	3.52	2.12	1.74	0.60	0.08	0.21	0.26	41.86
1993-1994	0.10	0.78	3.49	3.31	7.07	0.97	2.33	2.07	0.14	0.16	0.21	0.11	22.60
1994-1995	0.10	6.73	4.95	14.34	0.33	10.97	2.96	1.94	0.98	0.06	0.06	0.19	43.62
1995-1996	0.09	0.38	10.39	10.42	8.88	4.21	2.49	2.72	0.16	0.08	0.09	0.25	40.17
1996-1997	1.85	3.41	11.13	12.42	0.37	0.74	1.21	0.55	0.72	0.16	0.97	0.10	33.64
1997-1998	0.97	9.88	4.60	15.28	19.78	3.25	3.44	5.05	0.38	0.23	0.08	0.31	63.25
1998-1999	1.22	4.72	2.63	8.06	17.64	5.92	3.44	0.15	0.58	0.06	0.43	0.26	45.13
1999-2000	1.03	3.70	1.17	9.49	14.20	3.09	3.91	2.17	0.23	0.33	0.24	0.52	40.07
2000-2001	4.71	1.64	0.87	7.24	8.11	2.10	2.76	0.03	0.15	0.35	0.49	0.33	28.79
2001-2002	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.21	1.03
2002-2003	0.21	3.40	11.34	1.69	4.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.00
2003-2004	0.28	2.86	11.10	4.20	8.03	1.75	0.39	0.19	0.06	0.43	0.42	0.37	30.06
2004-2005	5.80	1.74	10.91	7.70	6.65	6.96	2.13	2.92	1.65	0.00	0.00	0.00	46.46
HB rainfall	1.98	3.73	5.59	6.51	5.48	4.46	2.25	0.88	0.34	0.14	0.26	0.48	32.10

Adjusted Rainfall by Subarea

Frenchman Creek Upland Area

Precipitation Factor = 1.35

WATER YEAR	October	November	December	January	February	March	April	May	June	July	August	September	Total
1947-1948	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
1948-1949	0.74	0.89	6.74	2.34	5.28	6.70	0.00	0.55	0.00	0.00	0.23	0.00	23.46
1949-1950	0.00	0.00	0.00	0.00	3.02	1.81	2.86	0.50	0.19	0.00	0.00	0.11	8.49
1950-1951	2.63	7.37	8.11	6.90	4.02	3.83	1.23	1.32	0.16	0.00	0.00	0.38	36.19
1951-1952	1.57	5.60	15.26	12.57	2.97	8.38	0.84	0.61	1.54	0.04	0.00	0.20	49.57
1952-1953	0.36	3.59	15.34	6.14	0.00	0.00	4.28	0.81	0.76	0.00	0.72	0.16	32.16
1953-1954	0.90	4.50	1.40	5.64	3.48	6.79	2.01	0.08	0.86	0.14	0.74	0.11	26.66
1954-1955	0.31	2.85	6.12	6.83	1.85	0.38	3.51	0.49	0.09	0.23	0.16	0.38	22.99
1955-1956	0.28	3.13	18.64	15.36	3.79	0.00	2.54	1.85	0.09	0.34	0.61	0.61	47.25
1956-1957	2.36	0.00	0.77	4.47	5.97	8.07	2.23	5.54	0.11	0.00	0.11	1.46	31.08
1957-1958	4.28	2.40	5.24	8.41	14.57	12.66	7.87	0.92	0.96	0.51	0.00	0.24	58.06
1958-1959	0.36	0.68	2.55	6.84	7.61	0.86	0.57	0.49	0.00	0.00	0.28	0.49	25.19
1959-1960	0.54	0.00	2.66	7.14	6.29	2.57	1.71	0.96	0.00	0.00	0.00	0.00	21.87
1960-1961	1.19	6.91	2.30	4.02	2.55	4.39	1.43	2.34	0.30	0.00	0.14	0.77	26.33
1961-1962	0.16	4.94	4.23	2.82	11.66	4.75	1.11	0.32	0.00	0.00	0.39	0.69	31.14
1962-1963	14.81	0.81	4.82	4.64	4.93	5.85	6.86	0.86	0.00	0.00	0.04	0.12	43.74
1963-1964	3.35	5.40	1.40	7.18	0.70	3.32	0.31	0.63	0.78	0.00	0.00	0.00	23.09
1964-1965	2.55	4.20	10.13	5.95	1.89	2.13	7.05	0.00	0.08	0.00	0.31	0.00	34.29
1965-1966	0.00	7.53	6.70	5.09	4.74	0.92	0.96	0.27	0.00	0.16	0.36	0.34	27.07
1966-1967	0.00	6.99	4.89	14.09	3.54	7.80	0.82	0.32	0.00	0.00	0.00	0.00	46.97
1967-1968	1.03	2.88	3.90	8.36	3.54	7.80	0.82	0.32	0.00	0.00	0.38	0.00	29.03
1968-1969	0.88	3.63	7.97	10.88	11.72	2.79	3.73	0.08	0.54	0.00	0.00	0.28	42.50
1969-1970	2.34	1.03	6.14	11.46	3.12	2.75	0.43	0.36	0.28	0.00	0.00	0.00	27.92
1970-1971	1.22	11.35	10.35	4.71	1.03	4.71	2.04	0.72	0.11	0.38	0.49	0.54	35.10
1971-1972	0.31	3.09	6.89	1.71	1.80	0.26	1.69	0.15	0.38	0.00	0.00	1.32	17.59
1972-1973	9.32	8.76	4.28	11.85	9.90	0.00	0.31	0.28	0.07	0.00	0.12	0.84	45.72
1973-1974	4.10	12.83	8.53	6.57	2.92	9.72	4.35	0.01	0.68	1.36	0.18	0.00	51.25
1974-1975	1.84	0.86	4.91	3.98	6.59	9.60	2.89	0.14	0.38	0.70	0.80	0.03	32.71
1975-1976	6.06	1.15	0.93	0.70	3.43	1.53	2.75	0.18	0.05	0.19	2.11	0.80	19.87
1976-1977	0.41	2.34	3.25	3.05	1.77	4.25	0.27	1.66	0.00	0.22	0.36	2.15	19.72
1977-1978	0.63	4.55	7.56	12.16	7.59	8.46	6.08	0.00	0.00	0.00	0.00	0.00	46.10
1978-1979	0.07	4.10	1.12	10.95	8.46	6.52	1.20	1.15	0.00	0.39	0.18	0.00	34.14
1979-1980	4.36	5.36	7.78	7.29	10.11	2.57	2.54	0.43	0.04	0.09	0.07	0.24	40.88
1980-1981	0.24	0.88	3.29	10.10	3.27	6.36	0.32	0.45	0.00	0.00	0.57	0.50	25.97
1981-1982	5.37	9.56	8.10	16.21	6.90	10.68	6.78	0.00	0.57	0.00	0.20	2.34	66.70
1982-1983	5.16	9.49	7.30	12.12	12.34	17.62	4.50	1.20	0.04	0.00	0.19	1.08	71.04
1983-1984	1.51	10.89	12.77	0.35	2.90	2.84	1.47	0.27	0.62	0.08	0.45	0.24	34.43
1984-1985	5.14	13.31	4.32	1.38	3.92	6.84	0.18	0.43	0.63	0.42	0.07	0.54	37.18
1985-1986	2.04	0.00	4.29	6.72	15.50	9.61	0.68	1.13	0.12	0.11	0.34	2.97	43.51
1986-1987	0.57	0.43	4.19	6.89	5.22	5.62	1.28	0.08	0.11	0.00	0.14	0.00	24.52
1987-1988	2.88	3.55	8.14	6.05	0.78	0.16	4.10	0.93	0.39	0.00	0.01	0.03	27.03
1988-1989	1.27	4.79	6.98	2.71	1.76	10.73	2.47	0.42	0.14	0.18	0.36	1.28	33.09
1989-1990	2.77	2.63	0.04	5.79	3.40	1.80	0.39	3.81	0.62	0.32	0.19	0.45	22.21
1990-1991	0.74	1.00	3.48	0.76	5.66	11.89	1.22	0.90	0.43	0.36	1.24	0.34	28.03
1991-1992	3.55	1.36	4.86	4.29	11.75	4.66	0.54	0.08	1.13	0.03	0.24	0.16	32.66
1992-1993	3.89	0.90	10.94	12.43	7.55	3.77	2.27	1.86	0.65	0.08	0.23	0.28	44.85
1993-1994	0.84	2.09	3.74	3.55	7.57	1.04	2.50	2.21	0.15	0.18	0.23	0.12	24.22
1994-1995	0.11	7.21	5.31	15.36	0.35	11.76	3.17	2.08	1.05	0.07	0.07	0.20	46.74
1995-1996	0.09	0.41	11.14	11.16	9.52	4.51	2.67	2.92	0.18	0.08	0.09	0.27	43.04
1996-1997	1.98	3.66	4.93	13.31	0.39	3.80	3.69	5.41	0.77	0.18	1.04	0.11	36.05
1997-1998	1.04	10.58	4.93	16.38	21.20	3.48	3.69	0.16	0.82	0.07	0.46	0.28	48.36
1998-1999	1.31	5.06	2.82	8.64	18.90	6.35	3.69	0.16	0.62	0.35	0.26	0.55	42.93
1999-2000	1.11	3.97	1.26	10.17	15.21	3.31	4.19	2.32	0.24	0.35	0.53	0.26	30.85
2000-2001	5.05	1.76	0.93	7.76	8.69	2.25	2.96	0.03	0.16	0.38	0.53	0.35	30.85
2001-2002	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.23	1.11
2002-2003	0.23	3.65	12.15	1.81	4.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.50
2003-2004	0.30	3.06	11.89	4.50	8.60	1.88	0.42	0.20	0.07	0.46	0.45	0.39	32.21
2004-2005	6.21	1.86	11.69	8.25	7.13	7.45	2.28	3.13	1.77	0.00	0.00	0.00	49.77
HB rainfall	2.12	3.99	5.99	6.97	5.88	4.78	2.41	0.95	0.37	0.15	0.28	0.51	34.40

Adjusted Rainfall by Subarea

Precipitation Factor = 1.38

San Vincente/Deniston Creek Upland Area

WATER YEAR	October	November	December	January	February	March	April	May	June	July	August	September	Total
1947-1948	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
1948-1949	0.76	0.91	6.89	2.39	5.40	6.84	0.00	0.57	0.00	0.00	0.23	0.00	23.98
1949-1950	0.00	0.00	0.00	0.00	3.09	1.85	2.93	0.51	0.19	0.00	0.00	0.11	8.68
1950-1951	2.69	7.53	8.29	7.05	4.11	3.92	1.26	1.35	0.23	0.17	0.00	0.39	37.00
1951-1952	1.60	5.73	15.59	12.85	3.04	8.57	0.86	0.62	1.57	0.04	0.00	0.21	50.67
1952-1953	0.37	3.67	15.68	6.28	0.00	0.00	4.37	0.83	0.77	0.00	0.73	0.17	32.87
1953-1954	0.92	4.60	1.44	5.77	3.56	6.94	2.06	0.08	0.88	0.14	0.76	0.11	27.26
1954-1955	0.32	2.70	6.25	6.98	1.89	0.39	3.59	0.50	0.10	0.23	0.17	0.39	23.50
1955-1956	0.29	3.20	19.06	15.70	3.88	0.00	2.59	1.89	0.10	0.35	0.62	0.62	48.30
1956-1957	2.42	0.00	0.79	4.57	6.10	8.25	2.28	5.66	0.11	0.00	0.11	1.49	31.77
1957-1958	4.37	2.46	5.35	8.60	14.89	12.94	8.05	0.94	0.98	0.52	0.00	0.25	59.35
1958-1959	0.37	0.69	2.61	7.00	7.78	0.88	0.58	0.50	0.00	0.00	0.29	5.05	25.75
1959-1960	0.55	0.00	2.72	7.30	6.43	2.62	1.75	0.98	0.00	0.00	0.00	0.00	22.36
1960-1961	1.21	7.07	2.35	4.11	2.61	4.49	1.46	2.39	0.30	0.00	0.14	0.79	26.91
1961-1962	0.17	5.05	4.39	2.88	11.92	4.86	1.13	0.33	0.00	0.00	0.40	0.70	31.84
1962-1963	15.14	0.83	4.93	4.75	5.04	5.98	7.01	0.88	0.00	0.00	0.04	0.12	44.71
1963-1964	3.42	5.52	1.44	7.34	0.72	3.39	0.32	0.65	0.80	0.00	0.00	0.00	23.60
1964-1965	2.61	4.29	10.35	6.09	1.93	2.18	7.20	0.00	0.08	0.00	0.32	0.00	35.05
1965-1966	0.00	7.70	6.84	5.20	4.84	0.94	0.98	0.28	0.00	0.17	0.37	0.35	27.67
1966-1967	0.00	7.15	5.00	14.41	0.35	8.53	10.25	0.35	1.99	0.00	0.00	0.00	48.01
1967-1968	1.05	2.94	3.99	8.54	3.62	7.98	0.84	0.33	0.00	0.00	0.39	0.00	29.67
1968-1969	0.90	3.71	8.14	11.12	11.98	2.86	3.81	0.08	0.55	0.00	0.00	0.29	43.44
1969-1970	2.39	1.05	6.28	11.72	3.19	2.82	0.44	0.37	0.29	0.00	0.00	0.00	28.54
1970-1971	1.24	11.61	10.58	2.22	1.05	4.82	2.08	0.73	0.11	0.39	0.50	0.55	35.88
1971-1972	0.32	3.16	7.04	1.75	1.84	0.26	1.73	0.15	0.39	0.00	0.00	1.35	17.98
1972-1973	9.52	8.96	4.37	12.12	10.12	0.00	0.32	0.29	0.07	0.00	0.12	0.86	46.74
1973-1974	4.20	13.11	8.72	6.72	2.98	9.94	4.44	0.01	0.69	1.39	0.18	0.00	52.38
1974-1975	1.88	0.88	5.02	4.07	6.73	9.81	2.95	0.14	0.39	0.72	0.81	0.03	33.44
1975-1976	6.20	1.17	0.95	0.72	3.51	1.56	2.82	0.18	0.06	0.19	2.15	0.81	20.31
1976-1977	0.41	2.39	3.33	3.12	1.81	4.35	0.28	1.70	0.00	0.22	0.37	2.19	20.16
1977-1978	0.65	4.65	7.73	12.43	7.76	7.70	6.21	0.00	0.00	0.00	0.00	0.00	47.13
1978-1979	0.07	4.20	1.15	11.19	8.65	6.67	1.23	1.17	0.00	0.40	0.18	0.00	34.90
1979-1980	4.46	5.48	7.95	7.45	10.34	2.62	2.59	0.44	0.04	0.10	0.07	0.25	41.79
1980-1981	0.25	0.90	3.37	10.32	3.34	6.50	0.33	0.46	0.00	0.00	0.58	0.51	26.55
1981-1982	5.49	9.77	8.28	16.57	7.05	10.92	6.93	0.00	0.58	0.00	0.21	2.39	68.19
1982-1983	5.27	9.70	12.39	12.39	12.61	18.01	4.60	1.23	0.04	0.00	0.19	1.10	72.62
1983-1984	1.55	11.14	13.05	0.36	2.97	2.93	1.50	0.28	0.63	0.08	0.46	0.25	35.19
1984-1985	5.26	13.61	4.42	1.41	4.00	7.00	0.18	0.44	0.65	0.43	0.07	0.55	38.01
1985-1986	2.08	0.00	4.39	6.87	15.84	9.83	0.69	1.16	0.12	0.11	0.35	3.04	44.48
1986-1987	0.58	0.44	4.28	7.04	5.34	5.74	1.31	0.08	0.11	0.00	0.14	0.00	25.06
1987-1988	2.94	3.63	8.32	6.18	0.80	0.17	4.20	0.95	0.40	0.00	0.01	0.03	27.63
1988-1989	1.30	4.90	7.13	2.77	1.79	10.97	2.53	0.43	0.14	0.18	0.37	1.31	33.82
1989-1990	2.83	2.69	0.04	5.92	3.48	1.84	0.40	0.89	0.63	0.33	0.19	0.46	22.70
1990-1991	0.76	1.02	3.56	0.77	5.78	12.16	1.24	0.92	0.44	0.37	1.27	0.35	28.65
1991-1992	3.63	1.39	4.97	4.39	12.01	4.76	0.55	0.08	1.16	0.03	0.25	0.17	33.38
1992-1993	3.97	0.92	11.18	12.71	7.71	3.85	2.32	3.90	0.66	0.08	0.23	0.29	45.84
1993-1994	0.86	2.14	3.82	3.63	7.74	1.06	2.55	2.26	0.15	0.18	0.23	0.12	24.76
1994-1995	0.11	7.37	5.42	15.70	0.36	12.02	3.24	2.13	1.08	0.07	0.07	0.21	47.78
1995-1996	0.10	0.41	11.39	11.41	9.73	4.61	2.73	2.98	0.18	0.08	0.10	0.28	43.99
1996-1997	2.03	3.74	12.19	13.61	0.40	0.81	1.32	0.61	0.79	0.18	1.06	0.11	36.85
1997-1998	1.06	10.82	5.04	16.74	21.67	3.56	3.77	5.53	0.41	0.25	0.08	0.35	69.28
1998-1999	1.34	5.18	2.88	8.83	19.32	6.49	3.77	0.17	0.63	0.07	0.47	0.29	49.43
1999-2000	1.13	4.06	1.28	10.39	15.55	3.38	4.28	2.37	0.25	0.36	0.26	0.57	43.88
2000-2001	5.16	0.79	0.95	7.94	8.89	2.30	3.02	0.03	0.17	0.39	0.54	0.36	31.53
2001-2002	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.23	1.13
2002-2003	0.23	3.73	12.42	1.85	4.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.00
2003-2004	0.30	3.13	12.16	4.50	8.79	1.92	0.43	0.21	0.07	0.47	0.46	0.40	32.93
2004-2005	6.35	1.90	11.95	8.43	7.29	7.62	2.33	3.20	1.81	0.00	0.00	0.00	50.88
HB rainfall	2.17	4.08	6.12	7.13	6.01	4.89	2.46	0.97	0.38	0.15	0.29	0.53	35.16

Adjusted Rainfall by Subarea

Precipitation Factor = 1.16

Montara Upland Area

WATER YEAR	October	November	December	January	February	March	April	May	June	July	August	September	Total
1947-1948	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
1948-1949	0.64	0.77	5.79	2.01	4.54	5.75	0.00	0.48	0.00	0.00	0.20	0.00	20.16
1949-1950	0.00	0.00	0.00	0.00	2.60	1.55	2.46	0.43	0.16	0.00	0.00	0.00	7.30
1950-1951	2.26	6.33	6.97	5.93	3.46	3.29	1.06	1.14	0.20	0.14	0.00	0.32	31.10
1951-1952	1.35	4.81	13.11	10.80	2.55	7.20	0.72	0.52	1.32	0.03	0.00	0.17	42.60
1952-1953	0.31	3.09	13.18	5.28	0.00	0.00	3.68	0.70	0.65	0.00	0.61	0.14	27.63
1953-1954	0.78	3.86	1.21	4.85	2.99	5.83	1.73	0.07	0.74	0.12	0.64	0.09	22.91
1954-1955	0.27	2.27	5.25	5.87	1.59	0.32	3.02	0.42	0.08	0.20	0.14	0.32	19.75
1955-1956	0.24	2.69	16.02	13.20	3.26	0.00	2.18	1.59	0.08	0.29	0.52	0.52	40.60
1956-1957	2.03	0.00	0.66	3.84	5.13	6.94	1.91	4.76	0.09	0.00	0.09	1.25	26.70
1957-1958	3.68	2.06	4.50	7.23	12.52	10.88	6.76	0.79	0.82	0.00	0.00	0.21	49.89
1958-1959	0.31	0.58	2.19	5.88	6.54	0.74	0.49	0.42	0.00	0.00	0.24	4.25	21.65
1959-1960	0.46	0.00	2.29	6.14	5.41	2.20	1.47	0.82	0.00	0.00	0.00	0.00	18.79
1960-1961	1.02	5.94	1.97	3.46	2.19	3.77	1.23	2.01	0.26	0.00	0.12	0.66	22.62
1961-1962	0.14	4.25	3.69	2.42	10.02	4.08	0.95	0.28	0.00	0.00	0.34	0.59	26.76
1962-1963	12.73	0.70	4.14	3.99	4.23	5.02	5.89	0.74	0.00	0.00	0.00	0.10	37.58
1963-1964	2.88	4.64	1.21	6.17	0.60	2.85	0.27	0.55	0.67	0.00	0.00	0.00	19.84
1964-1965	2.19	3.61	8.70	5.12	1.62	0.79	0.82	0.23	0.00	0.14	0.31	0.27	29.46
1965-1966	0.00	6.47	5.75	4.37	4.07	7.17	8.62	0.29	1.67	0.00	0.00	0.00	40.36
1966-1967	0.00	6.01	4.20	12.11	0.29	3.04	0.71	0.28	0.00	0.00	0.32	0.24	36.52
1967-1968	0.88	2.47	3.35	7.18	3.29	7.17	8.62	0.29	1.67	0.00	0.00	0.29	23.26
1968-1969	0.75	3.12	6.84	9.35	10.07	2.40	3.20	0.07	0.46	0.00	0.00	0.00	24.94
1969-1970	2.01	0.88	5.28	9.85	2.68	2.37	0.37	0.31	0.24	0.00	0.00	0.00	33.99
1970-1971	1.04	9.76	8.90	1.87	0.88	4.05	1.75	0.61	0.09	0.32	0.42	0.46	30.16
1971-1972	0.27	2.66	5.92	1.47	1.54	0.22	1.45	0.13	0.32	0.00	0.00	1.14	15.11
1972-1973	8.00	7.53	3.68	10.18	8.50	0.00	0.27	0.24	0.06	0.00	0.10	0.72	39.29
1973-1974	3.53	11.02	7.33	5.65	2.51	8.35	3.74	0.01	0.58	1.17	0.15	0.00	44.03
1974-1975	1.58	0.74	4.22	3.42	5.66	8.25	2.48	0.12	0.32	0.60	0.88	0.02	28.11
1975-1976	5.21	0.99	0.80	0.60	2.95	1.31	2.37	0.15	0.05	0.16	0.11	0.68	17.08
1976-1977	0.35	2.01	2.80	2.62	1.52	3.65	0.23	1.43	0.00	0.19	0.31	1.84	16.95
1977-1978	0.55	3.91	6.50	10.45	6.52	6.47	5.22	0.00	0.00	0.00	0.00	0.00	39.61
1978-1979	0.06	3.53	0.96	9.41	7.27	5.60	1.03	0.99	0.00	0.34	0.15	0.00	29.34
1979-1980	3.75	4.61	6.68	6.26	8.69	2.20	2.18	0.37	0.03	0.08	0.06	0.21	35.12
1980-1981	0.21	0.75	2.83	8.68	2.81	5.46	0.28	0.38	0.00	0.00	0.49	0.43	22.32
1981-1982	4.62	8.21	6.96	13.93	5.93	9.18	5.82	0.00	0.49	0.00	0.17	2.01	57.32
1982-1983	4.43	8.15	6.28	10.42	10.60	15.14	3.86	1.03	0.03	0.00	0.16	0.93	61.04
1983-1984	1.30	9.36	10.97	0.30	2.49	2.46	1.26	0.23	0.53	0.07	0.38	0.21	29.58
1984-1985	4.42	11.44	3.71	1.18	3.36	5.88	0.15	0.37	0.65	0.36	0.06	0.46	31.95
1985-1986	1.75	0.00	3.69	5.78	13.32	8.26	0.58	0.97	0.10	0.09	0.29	2.55	37.39
1986-1987	0.49	0.37	3.60	5.92	4.49	4.83	1.10	0.07	0.09	0.00	0.12	0.00	21.07
1987-1988	2.47	3.05	6.99	5.20	0.67	0.14	3.53	0.80	0.34	0.00	0.01	0.02	23.22
1988-1989	1.09	4.12	6.00	2.33	1.51	9.22	2.12	0.36	0.12	0.15	0.31	1.10	28.43
1989-1990	2.38	2.26	0.03	4.98	2.92	1.54	0.34	3.27	0.53	0.28	0.16	0.38	19.08
1990-1991	0.64	0.86	2.99	0.65	4.66	10.22	1.04	0.78	0.37	0.31	1.07	0.29	24.08
1991-1992	3.05	1.17	4.18	3.69	10.09	4.00	0.46	0.07	0.97	0.02	0.21	0.14	28.06
1992-1993	3.34	0.78	9.40	10.68	6.48	3.24	1.95	1.60	0.56	0.07	0.20	0.24	38.54
1993-1994	0.72	1.80	3.21	3.05	6.51	0.89	2.15	1.90	0.13	0.15	0.20	0.10	20.81
1994-1995	0.09	6.19	4.56	13.20	0.30	10.10	2.73	1.79	0.90	0.06	0.06	0.17	40.16
1995-1996	0.08	0.35	9.57	9.59	8.18	3.87	2.30	2.51	0.15	0.07	0.08	0.23	36.98
1996-1997	1.71	3.14	10.24	11.44	0.34	0.68	1.11	0.51	0.66	0.15	0.89	0.09	30.97
1997-1998	0.89	9.09	4.23	14.07	18.21	2.99	3.17	4.65	0.35	0.21	0.07	0.29	58.23
1998-1999	1.13	4.35	2.42	7.42	16.24	5.45	3.17	0.14	0.53	0.06	0.39	0.24	41.55
1999-2000	0.95	3.41	1.08	8.73	13.07	2.84	3.60	2.00	0.21	0.30	0.22	0.48	36.89
2000-2001	4.34	1.51	0.80	6.67	7.47	1.94	2.54	0.02	0.14	0.32	0.45	0.30	26.51
2001-2002	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.95
2002-2003	0.20	3.13	10.44	1.55	4.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.34
2003-2004	0.26	2.63	10.22	3.86	7.39	1.61	0.36	0.17	0.06	0.39	0.38	0.34	27.68
2004-2005	5.34	1.60	10.05	7.09	6.12	6.40	1.96	2.69	1.52	0.00	0.00	0.00	42.77
HB rainfall	1.82	3.43	5.15	5.99	5.05	4.11	2.07	0.81	0.32	0.13	0.24	0.44	29.55