

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER BASIN

**SURFACE WATER RESOURCES DATA REPORT
WATER YEARS 2004 - 2008**

Prepared By

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HYDROGRAPHY PROGRAMS COORDINATOR**

SEPTEMBER 2009

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**CARMEL RIVER BASIN
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SECTION I - INTRODUCTION

The Monterey Peninsula Water Management District (District) is a special district created by the California legislature in 1977 and ratified by voters in 1978. Its mission is to “manage, augment and protect water resources for the benefit of the community and environment” of the greater Monterey Peninsula area. The District is responsible for regional water-supply planning within a 170-square mile area including the Monterey Peninsula and Carmel Valley (**FIGURE I-1**). The Monterey Peninsula relies entirely on local water resources to meet its water-supply needs, primarily surface and groundwater from the Carmel River Basin (CRB). Hydrologic data pertaining to surface and groundwater quantity and quality are essential tools to effectively manage these water resources.

Such information is obtained through the District’s Hydrologic Monitoring Program (HMP), which provides unbiased data for science-based decisions regarding management of the Monterey Peninsula Water Resources System. This report presents surface-water data, particularly Carmel River Basin streamflow, and serves as a compilation of these data from Water Years (WY) 2004 through 2008. The scope of this report is limited to documentation of CRB and vicinity rainfall, streamflow and lagoon hydrology data, and does not provide a detailed analysis of these data. Other types of water-resources related data collected by the District (e.g., groundwater levels, surface and groundwater quality, production, fisheries, vegetation and climatic data) are available in separate District documents or databases.

Since its inception, the District has collected streamflow measurements at approximately 15 mainstem sites on the Carmel River and at 16 Carmel River tributary sites. The data are used for water-supply and environmental project planning, reservoir operations, development of improved rainfall/runoff relationships, and quantification of tributary inflows to the Carmel River. In addition, the data support current District mitigation activities affected by streamflow such as fishery and erosion control programs. Additional information on the District’s mitigation programs is available in the report entitled, *Evaluation of the MPWMD Five-Year Mitigation Program 1991-1996* (MPWMD, 1996), and in subsequent annual reports available at the District office.

Due to funding constraints and program modifications designed to improve efficiency, the District has reduced the number of streamflow measuring sites over time. Currently, the District maintains a total of 19 recording and non recording gaging stations. Of these, there are 15 continuous recording streamflow gaging stations within the CRB, including four mainstem and nine tributary sites (**FIGURE I-1**). The District also maintains two continuous recording gaging stations outside the CRB at San Jose Creek and Arroyo del Rey at Del Rey Oaks. In addition, the District maintains continuous stage recorders at the Carmel River Lagoon, Los Padres and San Clemente Reservoirs, and collects instantaneous, monthly streamflow measurements on the Carmel River mainstem above Los Padres Reservoir.

Prior to October 1991 (i.e., the beginning of WY 1992), District streamflow monitoring primarily consisted of instantaneous measurements made by the “current meter” method. At the beginning of WY 1992, a concerted effort was undertaken to upgrade the streamflow monitoring network by gradually replacing non-recording sites (i.e., sites consisting of a staff gage only) with continuous recording sites (i.e., sites that include automatic stage recording equipment). This upgrade effort significantly improved program efficiency and effectiveness as continuous records of streamflow replaced the former “spot” measurement methodology at the gaging stations.

OBJECTIVE

This report is the fourth in a series, documenting the surface-water resources data collected by the District during WY 2004 - 2008. The previous three reports in this series are titled as follows: *Carmel River Basin Surface Water Resources Data Report, Water Years 1992-1995* (James, 1996), *Carmel River Basin Surface Water Resources Data Report, Water Years 1996-1999* (James, 1999), *Carmel River Basin Surface Water Resources Data Report, Water Years 2000-2003* (James, 2004). It is planned to periodically compile additional reports in a similar format as part of the District's ongoing HMP. A significant amount of surface-water quantity data (primarily streamflow) has been collected and processed by the District within the CRB and lagoon over the five-year period encompassing WY 2004 through 2008. This report consolidates and finalizes these data-collection efforts in summary form for the following uses related to surface water:

1. provides necessary information for current studies and programs,
2. allows further evaluation of the results of completed studies, and
3. provides baseline information to aid future investigations.

This report is divided into three major sections: (a) Rainfall, (b) CRB streamflow and (c) Lagoon water levels/cross sections. Each section provides a brief description of the data collection methods used, along with key information regarding its presentation within the appendices. This report does not include hydrologic information related to surface-water quality or groundwater quantity and quality. These HMP elements are available in separate documents or will be documented in future reports as additional District staff time becomes available.

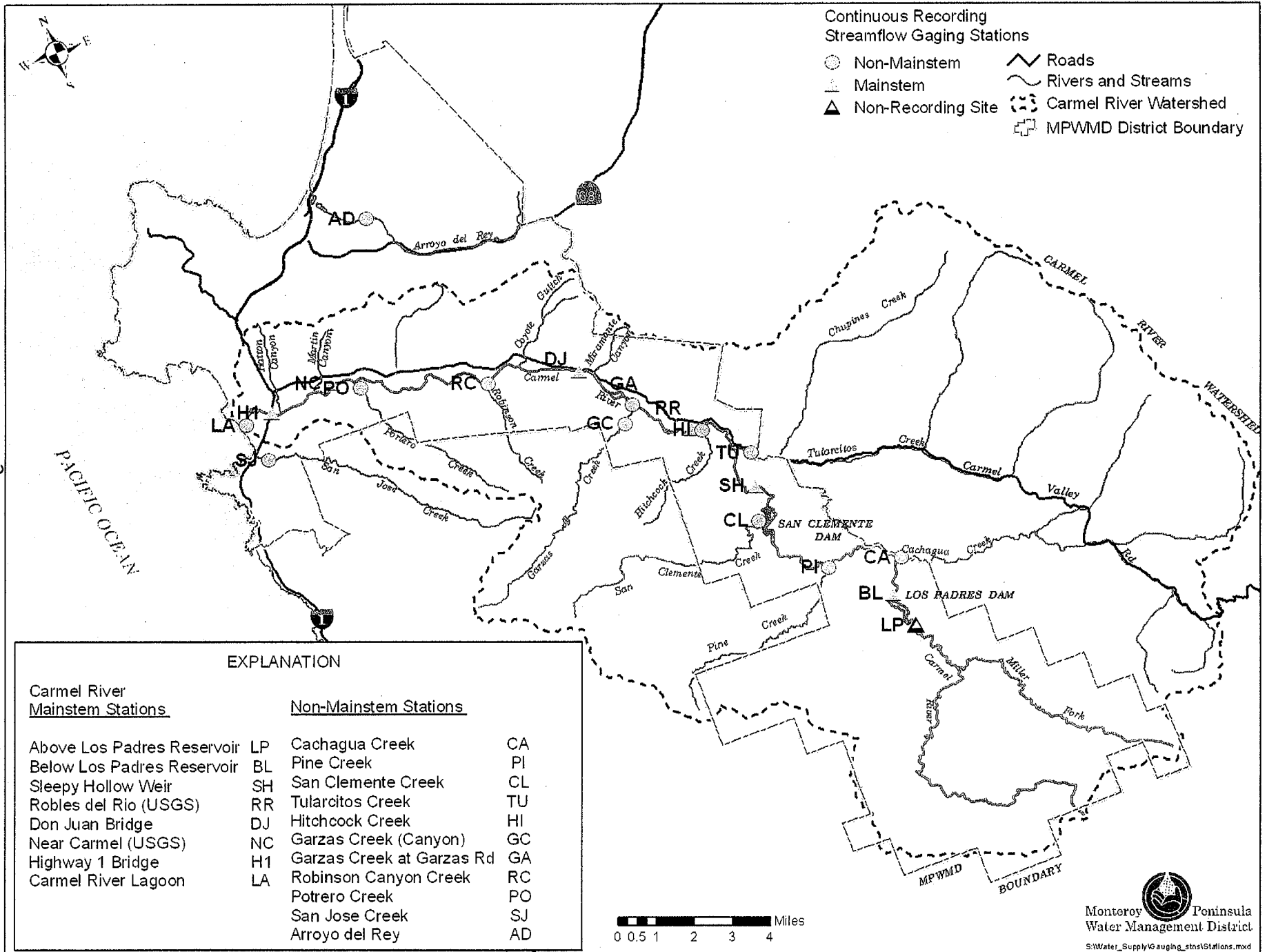


FIGURE I-1

EXPLANATION

Carmel River Mainstem Stations

- Above Los Padres Reservoir
- Below Los Padres Reservoir
- Sleepy Hollow Weir
- Robles del Rio (USGS)
- Don Juan Bridge
- Near Carmel (USGS)
- Highway 1 Bridge
- Carmel River Lagoon

Non-Mainstem Stations

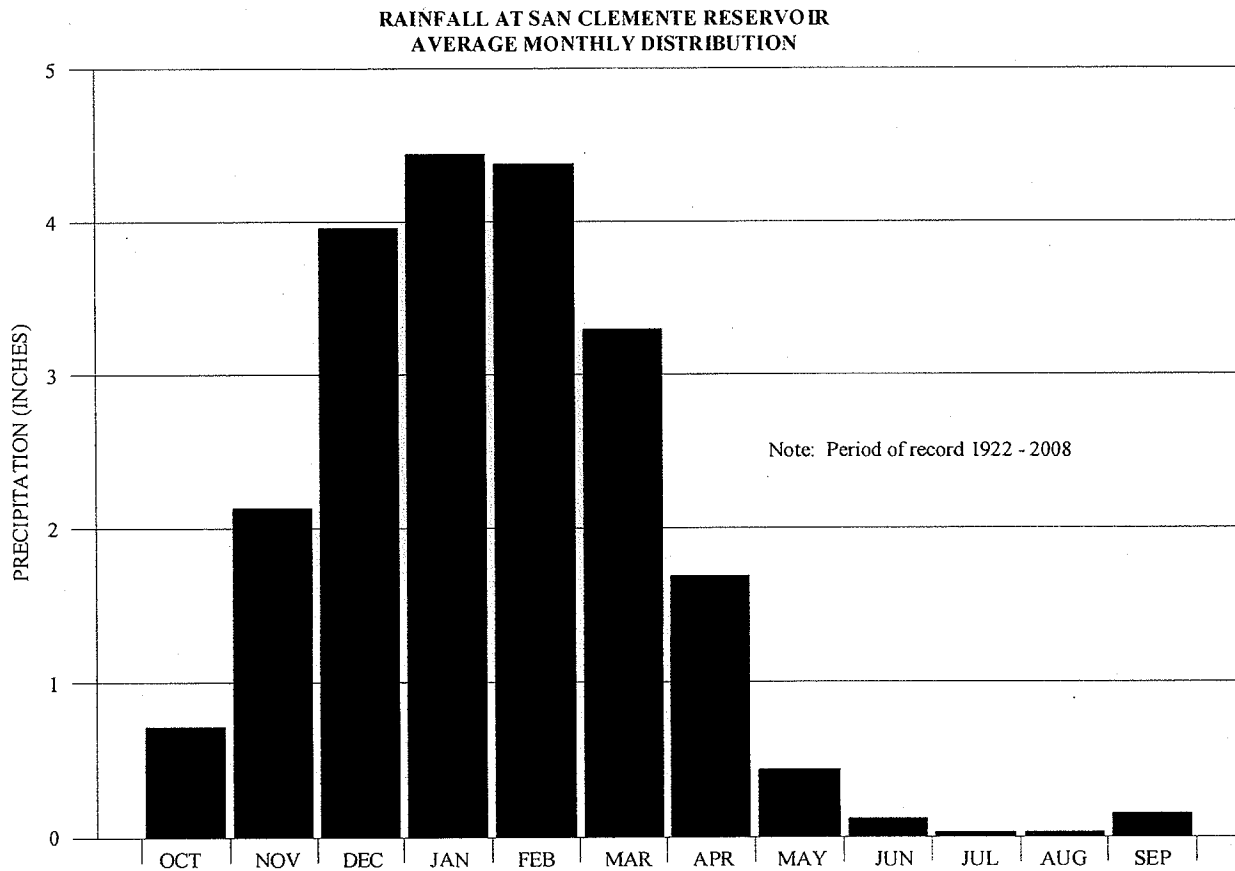
- LP Cachagua Creek
- BL Pine Creek
- SH San Clemente Creek
- RR Tularcitos Creek
- DJ Hitchcock Creek
- NC Garzas Creek (Canyon)
- H1 Garzas Creek at Garzas Rd
- LA Robinson Canyon Creek
- PO Potrero Creek
- SJ San Jose Creek
- AD Arroyo del Rey
- CA
- PI
- CL
- TU
- HI
- GC
- GA
- RC

SECTION II - RAINFALL

RAINFALL

The Mediterranean climate of the Carmel River Basin (CRB) is generally mild, with warm, dry summers and cool, wet winters. Mean annual rainfall varies from about 14 inches along the northeast perimeter of the basin, to over 40 inches in the high peaks of the southernmost portion of the basin. More than 90 percent of the annual rainfall occurs over the watershed during the six-month period between November and April as illustrated in **FIGURE II-1**. In addition, annual rainfall totals can vary significantly from year to year (**FIGURE II-2**).

FIGURE II-1



Rainfall values included in this report and in **APPENDIX A** were obtained from the following non-recording (i.e., manual daily rainfall readings only) precipitation measuring sites:

1. Los Padres Reservoir
2. San Clemente Reservoir
3. Pacific Grove Reservoir
4. Monterey

The Los Padres, San Clemente and Pacific Grove Reservoir sites are operated and maintained by California American Water (CAW), while the Monterey site is maintained by R.J. Renard, meteorologist and volunteer weather observer for Monterey, California. These sites were selected for this report because they are readily available and reliable. It should be noted that two of these sites, Pacific Grove Reservoir and Monterey are located on the Monterey Peninsula and not in Carmel Valley, and are not directly representative of rainfall conditions in the CRB, which is the focus of this report. However, these sites are useful for comparative purposes.

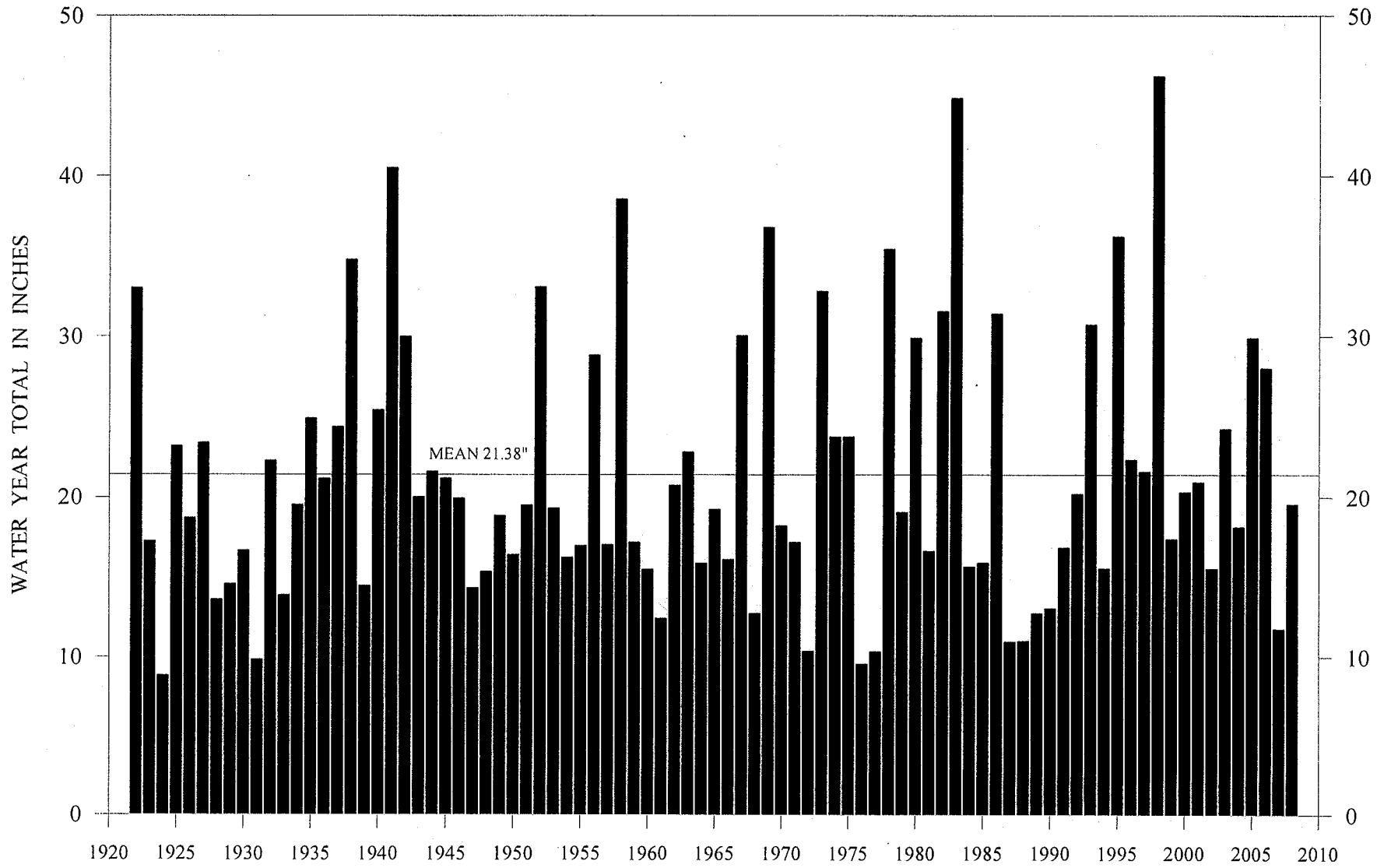
Overall, rainfall within the CRB for the WY 2004 - 2008 period was very close to the historical average (21.38 inches) with an average of 21.5 inches for the five-year period. However, within this period, WY 2004 and 2008 were very slightly below average, 2005 and 2006 were well above average, and 2007 was well below average. The chart in **FIGURE II-2** illustrates this condition for the San Clemente Reservoir (SCR) site, and compares these recent years to historical annual rainfall data collected at this site during the WY 1922 - 2008 period. Charts and tables showing monthly and daily rainfall for the four rainfall measuring sites over the WY 2004 - 2008 period are provided in **APPENDIX A**.

An historical summary of SCR rainfall for the WY 1922 - 2008 period is presented as **TABLE II-1**. The District uses the SCR precipitation gage to determine average rainfall figures because of its reliable long-term record, and its centralized location within the CRB. The mean annual rainfall at this site is 21.38 inches, which represents the arithmetic average of annual recorded values over the WY 1922 - 2008 period.

Seventeen monthly rainfall values within the WY 1923 -1926 period have been estimated in **TABLE II-1**, and appear in bold-italic. These values were previously listed as zeroes in CAW's records for unknown reasons. Review of long-term records for Watsonville, Salinas and Pacific Grove all indicate some measurable rainfall during each of the 17 suspect months. Review of several local rainfall databases indicated that the Salinas long-term rainfall record would be best suited to estimate the missing SCR values. Salinas rainfall was compared to SCR rainfall for 55 selected (complete) years between 1931 and 1994, and 12 monthly linear-regression equations were developed and used to estimate the 17 suspect values.

Although rainfall over the 2004 - 2008 period as a whole was average, individual annual totals were quite variable. In particular, both WY 2005 and 2006 were two consecutive "wet" years with approximately 30 inches and 28 inches of rain respectively, followed by a "critically dry" year with 11.8 inches for WY 2007 (lowest total since 1988). October 2004 was the wettest October on record at SCR with 4.13 inches or 570 percent of average. January 2008 was the third wettest January on record with 12.56 inches or 280 percent of average, exceeded only by January 1969 and 1995.

RAINFALL AT SAN CLEMENTE RESERVOIR SITE WATER YEARS 1922 - 2008



Source: California American Water, Monterey Division

TABLE II-1

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

RAINFALL AT SAN CLEMENTE RESERVOIR SITE: WATER YEAR 1922 - 2008
(All Values in Inches)

WATER YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1922	0.00	2.60	13.55	5.45	7.65	2.75	0.60	0.45	0.00	0.00	0.00	0.00	33.05
1923	<i>1.06</i>	<i>4.05</i>	<i>4.20</i>	3.01	1.45	0.00	2.70	0.00	0.20	0.00	0.00	0.60	17.27
1924	0.30	0.45	1.10	2.85	0.25	2.51	<i>1.14</i>	0.20	0.00	0.00	0.00	<i>0.07</i>	8.87
1925	0.60	<i>2.42</i>	<i>4.14</i>	<i>4.17</i>	<i>4.71</i>	<i>3.17</i>	<i>2.04</i>	<i>1.77</i>	<i>0.08</i>	0.00	0.00	<i>0.14</i>	23.24
1926	<i>0.38</i>	<i>1.60</i>	<i>2.15</i>	3.60	6.00	0.60	4.40	0.00	0.00	0.00	0.00	0.00	18.73
1927	0.42	8.36	1.64	2.44	7.58	1.39	1.07	0.28	0.10	0.00	0.00	0.15	23.43
1928	0.80	2.10	2.83	0.88	2.43	3.58	0.96	0.05	0.00	0.00	0.00	0.00	13.63
1929	0.02	3.12	3.41	1.26	1.37	2.89	1.29	0.00	1.23	0.00	0.00	0.00	14.59
1930	0.00	0.00	0.83	5.37	3.26	4.25	1.33	1.61	0.00	0.00	0.00	0.03	16.68
1931	0.05	1.48	0.05	4.26	1.56	0.92	0.49	0.66	0.40	0.00	0.00	0.00	9.87
1932	0.02	1.75	10.26	4.32	4.69	0.80	0.14	0.36	0.00	0.00	0.00	0.00	22.34
1933	0.00	0.18	3.12	6.92	0.92	1.57	0.33	0.82	0.04	0.00	0.00	0.00	13.90
1934	1.12	0.00	8.25	3.15	5.29	0.00	0.13	0.85	0.72	0.00	0.00	0.06	19.57
1935	0.15	2.89	2.69	7.00	0.77	4.88	5.91	0.00	0.00	0.00	0.65	0.00	24.94
1936	0.37	0.81	2.01	2.66	9.97	1.68	2.46	0.48	0.34	0.43	0.00	0.00	21.21
1937	0.43	0.00	4.16	4.62	6.77	7.78	0.52	0.00	0.13	0.00	0.00	0.00	24.41
1938	0.06	1.01	6.59	3.44	13.02	8.09	2.63	0.00	0.00	0.00	0.00	0.00	34.84
1939	0.81	1.04	2.48	3.54	2.70	3.08	0.42	0.22	0.10	0.00	0.00	0.10	14.49
1940	1.04	0.37	2.38	9.20	8.96	2.32	0.60	0.27	0.00	0.00	0.00	0.31	25.45
1941	0.45	0.33	9.45	5.18	10.42	8.92	5.08	0.61	0.10	0.00	0.00	0.00	40.54
1942	1.13	1.04	10.49	5.71	2.46	3.28	4.91	1.01	0.00	0.00	0.00	0.00	30.03
1943	0.74	1.96	1.63	8.40	2.42	3.74	1.07	0.00	0.09	0.00	0.00	0.00	20.05
1944	0.74	0.36	3.33	3.94	9.28	1.00	1.94	0.75	0.32	0.00	0.00	0.00	21.66
1945	1.08	3.24	2.39	1.33	7.61	4.88	0.28	0.20	0.00	0.00	0.24	0.00	21.25
1946	2.80	2.05	7.69	0.85	2.77	3.28	0.00	0.43	0.00	0.00	0.00	0.11	19.98
1947	0.31	5.16	2.24	1.19	2.42	1.58	1.00	0.23	0.22	0.00	0.00	0.00	14.35
1948	0.79	0.67	2.36	0.05	2.48	4.38	3.86	0.62	0.15	0.00	0.00	0.00	15.36
1949	1.74	0.15	6.11	1.18	3.04	5.96	0.15	0.51	0.00	0.02	0.03	0.00	18.89
1950	0.19	1.47	1.69	6.09	2.97	2.23	1.47	0.26	0.00	0.00	0.05	0.00	16.42
1951	2.72	6.33	3.04	2.95	1.94	1.04	1.37	0.07	0.05	0.00	0.00	0.03	19.54
1952	1.44	4.01	8.36	9.80	1.61	6.82	0.80	0.22	0.00	0.00	0.00	0.07	33.13
1953	0.07	3.00	8.76	2.68	0.00	2.09	1.89	0.62	0.10	0.06	0.09	0.00	19.36
1954	0.30	2.16	0.49	4.37	3.28	4.68	0.53	0.19	0.25	0.00	0.00	0.00	16.25
1955	0.00	1.98	2.98	5.53	1.99	0.31	2.84	1.36	0.00	0.00	0.00	0.00	16.99
1956	0.03	2.24	14.94	6.59	2.25	0.51	1.60	0.48	0.00	0.00	0.00	0.21	28.85
1957	0.79	0.02	0.53	5.21	5.11	1.57	1.72	1.93	0.09	0.00	0.00	0.07	17.04
1958	1.47	0.93	3.99	4.63	9.78	7.82	8.50	0.56	0.14	0.00	0.00	0.78	38.60
1959	0.03	1.01	0.27	6.35	6.92	0.23	0.11	0.09	0.00	0.00	0.09	2.10	17.20
1960	0.00	0.00	0.64	5.12	6.64	0.83	1.91	0.33	0.00	0.00	0.00	0.05	15.52
1961	0.05	3.53	2.14	1.91	0.91	2.49	0.86	0.49	0.10	0.00	0.00	0.00	12.48
1962	0.17	2.19	1.73	2.00	11.29	2.96	0.11	0.34	0.00	0.00	0.00	0.00	20.79
1963	1.81	0.10	2.29	5.37	4.53	4.27	4.14	0.23	0.05	0.00	0.00	0.09	22.88
1964	1.32	4.33	0.46	4.00	0.46	2.70	0.77	1.38	0.17	0.00	0.00	0.30	15.89
1965	0.87	3.89	4.77	2.92	1.05	2.45	2.92	0.14	0.02	0.00	0.25	0.00	19.28
1966	0.07	6.63	4.43	2.04	1.47	0.68	0.27	0.00	0.08	0.27	0.00	0.18	16.12
1967	0.00	3.74	6.41	5.99	0.53	5.82	6.75	0.19	0.52	0.00	0.00	0.13	30.08
1968	0.27	1.13	2.49	3.36	1.01	3.15	0.81	0.43	0.12	0.00	0.02	0.00	12.79
1969	0.33	1.77	4.24	15.13	11.10	1.92	2.14	0.12	0.10	0.00	0.00	0.00	36.85

TABLE II-1 (CONTINUED)
 MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

RAINFALL AT SAN CLEMENTE RESERVOIR SITE: WATER YEAR 1922 - 2008
 (All Values in Inches)

WATER YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1970	0.34	0.79	3.11	7.00	2.30	3.80	0.81	0.07	0.04	0.00	0.00	0.00	18.26
1971	0.11	5.68	6.62	1.20	0.53	1.49	1.21	0.15	0.00	0.00	0.04	0.17	17.20
1972	0.24	1.43	5.56	1.19	0.98	0.01	0.89	0.08	0.02	0.00	0.00	0.03	10.43
1973	2.85	5.79	2.66	7.59	9.20	4.38	0.29	0.02	0.00	0.00	0.00	0.07	32.85
1974	1.81	3.92	4.31	4.80	0.40	6.34	2.03	0.00	0.11	0.07	0.00	0.00	23.79
1975	1.79	0.81	3.57	0.65	6.88	8.20	1.66	0.02	0.04	0.07	0.12	0.00	23.81
1976	1.31	0.73	0.33	0.08	1.26	2.54	1.46	0.05	0.18	0.00	1.05	0.63	9.62
1977	1.57	0.60	1.85	2.45	0.41	1.85	0.00	1.11	0.08	0.00	0.00	0.48	10.40
1978	0.02	0.40	5.68	9.99	8.36	7.06	3.59	0.09	0.00	0.00	0.00	0.29	35.48
1979	0.00	2.51	1.41	5.72	4.32	4.35	0.38	0.26	0.00	0.12	0.03	0.00	19.10
1980	1.01	2.14	3.87	5.22	10.89	2.89	2.55	0.42	0.00	0.95	0.00	0.00	29.94
1981	0.02	0.04	2.76	7.09	1.29	4.95	0.49	0.00	0.00	0.00	0.00	0.00	16.64
1982	2.91	5.65	2.20	7.45	1.72	5.19	4.58	0.03	0.42	0.00	0.00	1.45	31.60
1983	1.96	5.15	6.69	8.10	5.86	11.16	4.11	0.21	0.25	0.00	0.17	1.25	44.91
1984	0.41	4.46	7.69	0.12	1.63	0.81	0.52	0.00	0.03	0.00	0.00	0.00	15.67
1985	0.98	5.77	1.86	0.75	1.72	4.20	0.51	0.09	0.01	0.00	0.00	0.03	15.92
1986	0.72	4.41	1.36	2.61	11.46	8.10	1.42	0.25	0.00	0.05	0.00	1.09	31.47
1987	0.00	0.53	0.98	2.19	4.05	2.65	0.36	0.26	0.00	0.00	0.00	0.00	11.02
1988	1.13	0.76	4.37	1.87	0.58	0.11	1.64	0.51	0.10	0.00	0.00	0.00	11.07
1989	0.00	1.42	4.18	1.37	1.84	2.24	0.60	0.35	0.00	0.00	0.00	0.80	12.80
1990	1.17	1.23	0.08	3.19	3.61	1.82	0.58	1.06	0.00	0.00	0.00	0.35	13.09
1991	0.00	0.42	1.99	0.18	2.11	11.38	0.30	0.45	0.01	0.00	0.03	0.00	16.87
1992	1.03	0.37	4.36	2.69	9.04	2.76	0.01	0.00	0.00	0.00	0.00	0.00	20.26
1993	0.72	0.05	5.75	12.12	8.58	2.19	0.45	0.37	0.55	0.00	0.00	0.00	30.78
1994	0.11	2.15	1.46	2.41	5.58	0.49	1.99	1.06	0.04	0.00	0.00	0.28	15.57
1995	0.83	2.15	1.57	16.05	0.67	10.88	1.53	1.44	0.97	0.20	0.00	0.00	36.29
1996	0.00	0.09	4.87	4.25	7.97	2.06	1.28	1.84	0.02	0.00	0.00	0.02	22.40
1997	1.22	3.30	7.83	8.61	0.29	0.08	0.10	0.05	0.04	0.00	0.15	0.00	21.67
1998	0.33	5.76	4.97	7.13	18.24	3.27	4.10	2.38	0.09	0.00	0.00	0.02	46.29
1999	0.42	2.00	1.97	3.37	3.68	3.36	2.18	0.01	0.30	0.00	0.02	0.10	17.41
2000	0.02	1.47	0.13	5.91	7.75	2.45	1.78	0.37	0.40	0.00	0.00	0.09	20.37
2001	3.28	0.33	0.27	6.54	5.02	3.00	2.44	0.00	0.00	0.00	0.00	0.11	20.99
2002	0.22	4.24	5.76	1.01	0.97	2.34	0.70	0.30	0.02	0.00	0.00	0.00	15.56
2003	0.00	5.26	9.73	1.58	1.46	1.55	3.50	1.20	0.00	0.00	0.01	0.00	24.29
2004	0.27	0.87	6.88	2.44	6.88	0.52	0.11	0.00	0.15	0.00	0.00	0.04	18.16
2005	4.13	0.90	6.87	5.43	4.91	4.97	1.73	0.75	0.20	0.06	0.00	0.00	29.95
2006	0.05	0.78	7.43	4.11	3.73	6.07	4.97	0.89	0.00	0.00	0.00	0.00	28.03
2007	0.16	1.16	3.22	0.84	3.52	1.36	1.05	0.06	0.00	0.02	0.00	0.42	11.81
2008	0.57	0.15	1.77	12.56	4.02	0.29	0.25	0.00	0.00	0.00	0.00	0.00	19.61
SUMMARY STATISTICS FOR WATER YEARS 1922 -2008													
MEAN	0.72	2.13	3.96	4.44	4.38	3.30	1.69	0.44	0.12	0.03	0.03	0.15	21.38
MIN	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.87
MAX	4.13	8.36	14.94	16.05	18.24	11.38	8.50	2.38	1.23	0.95	1.05	2.10	46.29
STDEV	0.85	1.93	3.06	3.23	3.68	2.65	1.68	0.51	0.21	0.12	0.14	0.35	8.30

Note: Values in bold italic are estimates based on monthly regressions with rainfall at Salinas Airport. "Water Year" refers to the 12-month period beginning October 1 and ending September 30 of the indicated year.

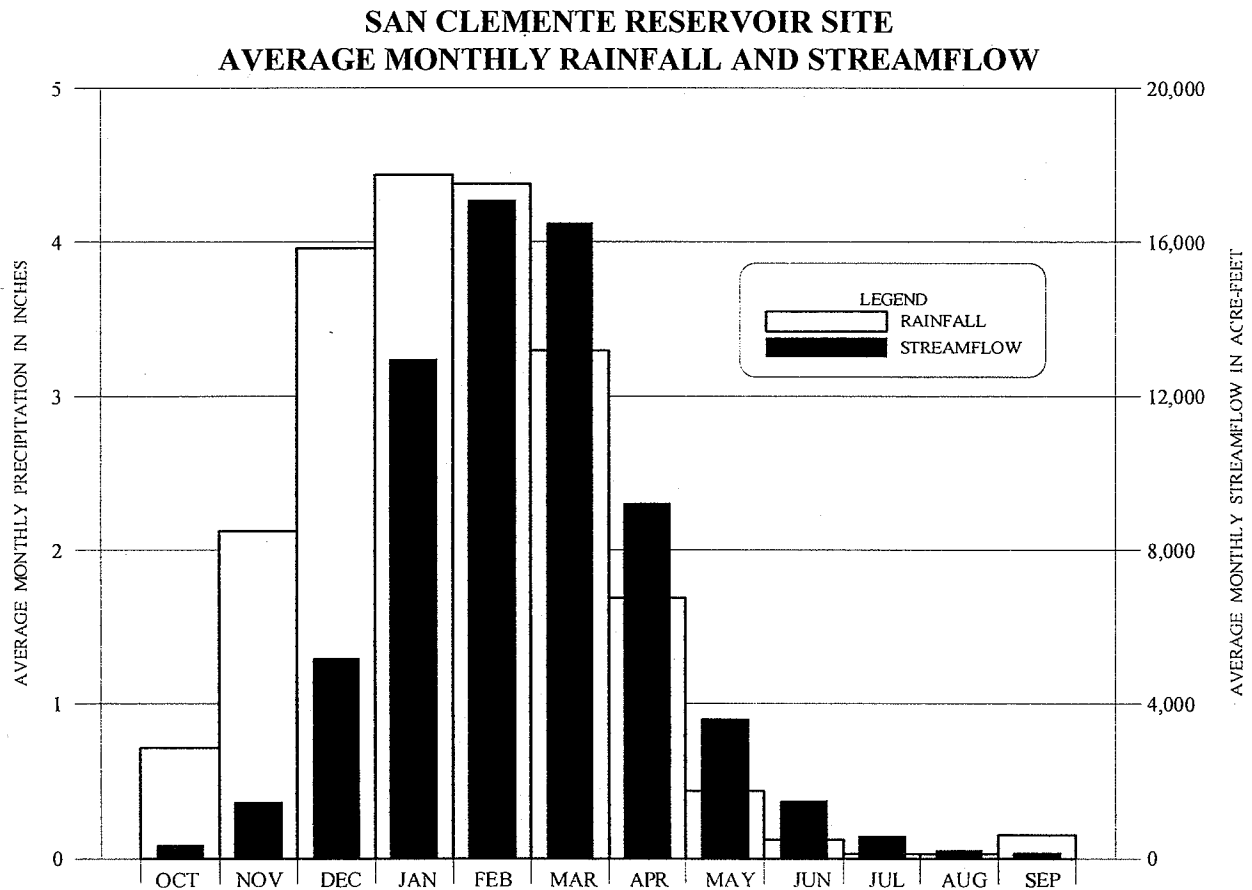
Source: California American Water, Monterey Division.

SECTION III - CARMEL RIVER BASIN STREAMFLOW

GENERAL

Although the first significant rains of the season typically begin in November, significant changes in streamflow resulting from these rains normally do not occur until December or January. Fall rains replenish soils that have dried out during the summer, and consequently little runoff occurs during this period. During the fall of each year, most of the Carmel River tributaries are dry at their confluence with the river. In addition, the lower reaches of the Carmel River are typically dry at this time. By December or January, winter rains begin to run off saturated soils and basin streamflow significantly increases. Monthly streamflow is typically the highest during the January through March period, as soils are moisture laden and rainstorms pass through the region on a consistent basis. **FIGURE III-1** relates rainfall to streamflow and illustrates fall rains (October - December), having a minimal effect on streamflow as rains soak into dry soil. Later in the season (February - May), saturated soil conditions (antecedent moisture) reverse this pattern, as a higher percentage of rain runs off into the river, enhancing streamflow. In addition, water stored in the soil from winter rains seeps back into the river, contributing to streamflow.

FIGURE III-1



Note: Rainfall averages obtained from Table II-1.
Streamflow averages based on unimpaired flows (Table III-2) for the 1902-2008 period simulated by MPWMD.

OVERVIEW: WATER YEARS 2004 - 2008

Overall, streamflow within the Carmel River Basin for the Water Year (WY) 2004 - 2008 period was slightly below average. Within this period, WY 2005 and 2006 were “wet”, 2004 and 2008 were “below normal” and “normal”, respectively, and 2007 was classified as “critically dry”. **TABLE III-1** highlights the runoff classification for WY 2004 - 2008. The runoff classifications are based on selected exceedence frequency values computed for the long term, simulated unimpaired flow record at the SCR site for WY 1902 - 2008. Refer to **TABLE III-2** for a more complete tabulation of historical runoff classification at the SCR site. **FIGURE III-2** illustrates the runoff values presented in **TABLE III-2**.

TABLE III-1

CLASSIFICATION OF UNIMPAIRED CARMEL RIVER FLOWS AT SAN CLEMENTE RESERVOIR SITE: WATER YEARS 2004-2008

Water Year	Runoff (acre-feet)	Classification
2004	36,910	Below Normal
2005	112,153	Wet
2006	107,217	Wet
2007	12,542	Critically Dry
2008	49,017	Normal
Average (1902-2008)	68,800	

FIGURE III-2

UNIMPAIRED CARMEL RIVER FLOW AT SAN CLEMENTE RESERVOIR: 1902-2008

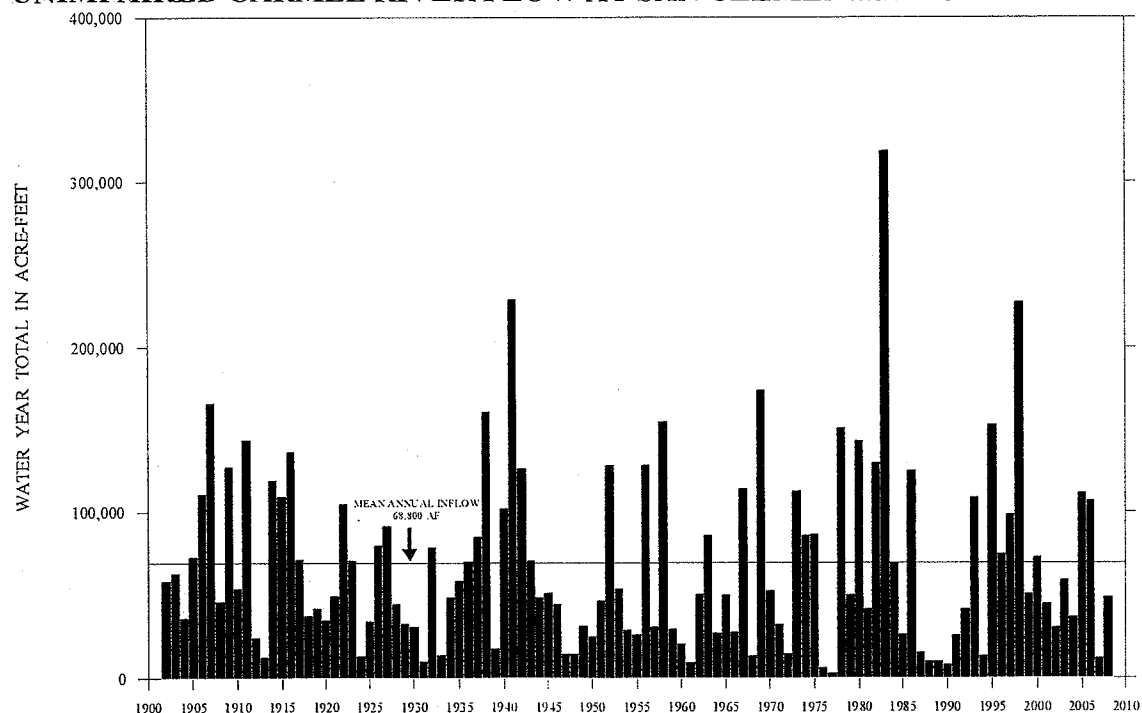


TABLE III-2

Monterey Peninsula Water Management District

**CLASSIFICATION OF UNIMPAIRED CARMEL RIVER FLOWS AT SAN CLEMENTE DAM SITE
(RUNOFF IN ACRE-FEET)**

Water Year	Runoff	Classification	Water Year	Runoff	Classification
1902	58,872	Normal	1956	128,805	Wet
1903	63,516	Normal	1957	31,002	Below Normal
1904	36,704	Below Normal	1958	154,843	Extremely Wet
1905	73,489	Above Normal	1959	29,702	Below Normal
1906	111,242	Wet	1960	20,780	Dry
1907	166,057	Extremely Wet	1961	9,278	Critically Dry
1908	46,177	Normal	1962	50,942	Normal
1909	127,394	Wet	1963	86,582	Above Normal
1910	53,977	Normal	1964	26,977	Dry
1911	143,892	Extremely Wet	1965	49,941	Normal
1912	24,611	Dry	1966	27,892	Dry
1913	12,933	Critically Dry	1967	114,304	Wet
1914	120,075	Wet	1968	13,177	Critically Dry
1915	110,110	Wet	1969	174,213	Extremely Wet
1916	136,932	Extremely Wet	1970	53,112	Normal
1917	71,580	Above Normal	1971	32,707	Below Normal
1918	37,917	Below Normal	1972	14,680	Critically Dry
1919	42,107	Normal	1973	113,269	Wet
1920	35,198	Below Normal	1974	86,102	Above Normal
1921	49,583	Normal	1975	87,211	Above Normal
1922	104,977	Wet	1976	6,358	Critically Dry
1923	71,493	Normal	1977	2,855	Critically Dry
1924	13,304	Critically Dry	1978	151,421	Extremely Wet
1925	34,626	Below Normal	1979	50,087	Normal
1926	80,608	Above Normal	1980	143,395	Extremely Wet
1927	92,274	Above Normal	1981	41,445	Below Normal
1928	45,261	Normal	1982	130,522	Extremely Wet
1929	33,188	Below Normal	1983	318,987	Extremely Wet
1930	30,988	Below Normal	1984	69,179	Normal
1931	9,988	Critically Dry	1985	26,611	Dry
1932	79,097	Above Normal	1986	125,911	Wet
1933	14,383	Critically Dry	1987	15,551	Dry
1934	49,058	Normal	1988	10,083	Critically Dry
1935	58,486	Normal	1989	10,248	Critically Dry
1936	70,684	Normal	1990	8,606	Critically Dry
1937	85,456	Above Normal	1991	25,965	Dry
1938	161,366	Extremely Wet	1992	41,777	Normal
1939	18,297	Dry	1993	109,505	Wet
1940	102,907	Wet	1994	13,313	Critically Dry
1941	229,468	Extremely Wet	1995	153,118	Extremely Wet
1942	126,930	Wet	1996	75,412	Above Normal
1943	71,489	Normal	1997	98,561	Above Normal
1944	48,730	Normal	1998	226,901	Extremely Wet
1945	51,264	Normal	1999	51,222	Normal
1946	44,886	Normal	2000	73,499	Above Normal
1947	14,743	Dry	2001	44,981	Normal
1948	14,703	Dry	2002	30,888	Below Normal
1949	31,955	Below Normal	2003	59,434	Normal
1950	25,543	Dry	2004	36,910	Below Normal
1951	47,061	Normal	2005	112,153	Wet
1952	128,995	Wet	2006	107,217	Wet
1953	54,446	Normal	2007	12,542	Critically Dry
1954	29,467	Dry	2008	49,017	Normal
1955	26,496	Dry			

Notes:

1. Year type classifications are based on the Carmel River Basin Runoff Index.
2. Outlined years indicate two or more consecutive dry or critically dry years and are defined as **hydrologic droughts**.
3. Runoff values for Water Years 1902-2005 were reconstructed by the Monterey Peninsula Water Management District (MPWMD) based on records provided by the United States Geological Survey (USGS) and California American Water (CAW). The runoff values for WY 2006 through WY 2008 were computed by the MPWMD based on records provided by CAW.

STATION DESCRIPTIONS

Descriptions of the 19 recording and non-recording gaging stations are provided in **APPENDIX B**, and are presented in downstream order. Each station description consolidates key, site-specific information relevant to a particular gaging station, and allows an overview of the site.

The station descriptions are based on the United States Geological Survey (USGS) standard form 9-197 (Kennedy, 1983). Items which have been left blank on the station descriptions were either not available at the time of this publication or are not applicable.

DISCHARGE MEASUREMENT SUMMARIES

To compute continuous records of streamflow or document instantaneous flow conditions, it is necessary to collect streamflow measurements and stage (water level) readings. District streamflow measurements are collected by the "current-meter method" using either a "pygmy" meter for low flows, or a standard type "AA" meter for moderate to high flows. Both of these meters meet USGS meter specifications. Occasionally, very low flows (i.e., generally less than 0.15 cubic feet per second [cfs]) are measured using a three-inch modified Parshall Flume (flume) in order improve measurement accuracy. A summary of these measurements at each station are presented in **APPENDIX C**, and are listed in downstream order.

Streamflow measurements are obtained at the gage site either by attaching the meter to a wading rod and wading the stream, or in flows too swift to wade, measurements are obtained by suspending the current meter off a bridge using a bridge crane or bridge board. In general, the "0.6 method" of velocity measurement is used, which involves setting the meter six-tenths of the total measured depth below the water surface before recording velocities. The streamflow measurement methodology used by the District is described in various technical documents, most importantly in *Discharge Measurements at Gaging Stations* (Buchanan and Somers, 1969).

Discharge measurements obtained in the field are computed at the District office using spreadsheet software, and are input into the District's streamflow measurement database from which the summary reports included in this document are produced. With a few exceptions explained below, most of the headings in these reports are self-explanatory. The "time" column of the summary sheet represents the beginning time of the streamflow measurement. The "rating" of the measurement is designated good, fair or poor. These ratings are somewhat qualitative, but in general, a 25-section current meter measurement with fairly uniform flow, where the highest partial section flow is approximately five percent of the total measured flow is considered "good". Flume measurements are generally considered good. A "poor" rating is given to a measurement obtained with irregular velocities within the cross section, with the highest partial section of flow being greater than 10 percent of the total flow. A low-flow measurement when only several sections were obtained would also be considered "poor". Most of the District's streamflow measurements were rated "fair to good".

A new data field of "specific conductance (SC)" reported in micro Siemens per centimeter ($\mu\text{S}/\text{cm}$) is included in this report, as District staff began field measurement of this water-quality parameter at

the gaging stations in WY 2004. Specific Conductance is an easily obtained parameter that is a good indicator of dissolved solids in natural waters, and can be used as an indicator of water pollution. Total dissolved solids (TDS) in milligrams per liter is about 65 percent of the SC in $\mu\text{S}/\text{cm}$, but may vary from stream to stream depending on the chemical composition of the water. In general, streams originating from the highest peaks along the southwestern portion of the Carmel River Basin exhibited a relatively low SC as the geology is dominated by resistant granitic rock and anthropogenic impacts are low (e.g., Pine Creek). Streams originating from more shale-dominated watersheds, or watersheds influenced by road/urban runoff, possible septic inflow or other developmental impacts displayed higher SC values (e.g., Tularcitos Creek and Arroyo Del Rey at Del Rey Oaks). In addition, SC values at the gaging stations were found to be inversely proportional to volume of flow.

COMPUTED MEAN-DAILY DISCHARGE TABLES AND PLOTS

Computed mean-daily discharge tables and plots are provided in **APPENDIX D**, and are presented in downstream order. Daily discharge figures (cfs) in these tables represent the average flow rate for the day indicated. The daily discharge tables indicate a continuous record of streamflow at a station for all days of the year. This complete record is much more useful than the instantaneous measurements collected prior to WY 1992, because there are no gaps in the flow records.

In order to compute daily streamflow records at a gaging station, a continuous record of stage at the site must be collected. In addition, individual measurements of discharge over a range of stages as well as notations of factors that may affect the stage-discharge relationship must be collected. Continuous records of stage at District gaging stations are obtained using pressure transducer and data recorder systems or graphic recorder and float systems as indicated in **TABLE III-3**.

TABLE III-3

CONTINUOUS WATER LEVEL RECORDING TECHNOLOGY USED AT DISTRICT GAGING STATIONS

<u>PRESSURE TRANSDUCER/ DATALOGGER</u>	<u>FLOAT/ GRAPHIC RECORDER</u>
1. Los Padres Reservoir ¹	15. Carmel River at Sleepy Hollow Weir ^{1,2}
2. Carmel River below Los Padres Reservoir ¹	16. Tularcitos Creek
3. Cachagua Creek	17. Garzas Creek at Garzas Road
4. Pine Creek	18. Carmel River at Don Juan Bridge ^{1,2}
5. San Clemente Creek	
6. San Clemente Reservoir ¹	
7. Hitchcock Creek	
8. Garzas Creek near Lower Garzas Canyon	
9. Robinson Canyon Creek	
10. Potrero Creek	
11. Carmel River at Highway 1 Bridge ¹	
12. Carmel River Lagoon ¹	
13. San Jose Creek	
14. Arroyo del Rey at Del Rey Oaks	

¹ Station includes telecommunications hardware

² Station also includes a pressure transducer

In computing discharge records, results of individual measurements (stage and discharge) are plotted on logarithmic paper and a stage-discharge relation curve is constructed. From these curves, rating tables are produced which indicate the approximate discharge for any given stage within the range of measurements. Mean daily discharges are then computed by applying the instantaneous stages (i.e., gage heights) to the stage-discharge tables. Typically, the stage-discharge relation varies due to changes in the channel at the gage from scour, deposition, aquatic-riparian vegetation growth, channel clearing, etc. These changes are accounted for by using the "shifting control" method prior to final record computation. These "shift" adjustments are applied to the gage heights before discharge figures are determined from the curves or tables. Other adjustments to the continuous-stage data include "datum adjustments" that are used to correct recorded-stage values to match stage values observed at the staff gage. The District utilizes a specialized software program to process continuous streamflow records (WHS, 1998).

For some gaging stations, there are periods when no continuous gage height record was obtained, and it was necessary to estimate the daily discharge. This is denoted by an "e" in the mean-daily discharge tables. Stage record is lost when a recorder malfunctions, intakes are plugged, the water surface drops below the water-level sensor, or for various other reasons. When this occurs, daily discharges are estimated, using comparison with other station records from nearby sub-basins, weather records, discharge measurements, stage readings, or other methods.

Accompanying each daily discharge record included in **APPENDIX D**, is a hydrograph based on daily values in the associated table. These hydrographs are plotted using a logarithmic (log) Y-axis and a linear X-axis. This is a standard procedure for plotting discharge hydrographs as it allows a wide range of discharge values (e.g., 0.10 to 1,000 cfs) to be plotted and still show definition throughout the range of flow. Because the number zero cannot be plotted on a log scale, periods of no flow are plotted as 0.01, the lowest discharge value indicated in these reports. If the reader has uncertainty whether a plotted value is zero or 0.01 cfs, the associated daily discharge table should be referenced. It should be noted that computed flows less than 0.005 cfs are rounded to zero in the WHS program, and flows greater than 0.005 cfs (but less than 0.01 cfs) round to 0.01 cfs. For this reason, a "trace of flow" may exist at a gaging station, although zero flow is reported. Furthermore, zero flow in the reports does not necessarily mean that the streambed at the station was completely dry. It is not uncommon to have pools of standing water along the gage reach with no observable surface flow.

It should be noted that, in addition to the District gaging stations, there are two USGS stations where continuous streamflow records are maintained:

1. Carmel River at Robles del Rio, and
2. Carmel River near Carmel.

These data are available in separate USGS reports titled: *USGS Water Resources Data - California, Volume 2, Surface Water* (USGS, WY 1958 - 2004) or at <http://ca.water.usgs.gov/waterdata/> for WY 2005 to present. The period of record for the "Robles del Rio" site is 1958 to present, and 1963 to present for the "near Carmel" site. Refer to **FIGURE I-1** for the location of these sites. In addition, suspended and bedload sediment data are available in these reports for the "near Carmel" site for WY 1992 through 1996.

SUMMARY OF ANNUAL FLOWS

An annual summary of streamflow for the WY 1992 - 2008 period at both District and USGS stations is provided in **TABLE III-4**, reported in acre-feet (AF). This table contains both Carmel River mainstem and tributary flow values. The table begins in WY 1992 when the District began its effort to establish a network of continuous streamflow gaging stations.

Tributary Contribution

Relative tributary contribution varies from year to year, and it is postulated that the primary influences are spatial variations in sub-basin rainfall and differences in drainage areas between sub-basins. Other important factors affecting tributary runoff include: water extraction, urbanization, local terrain and soil type, and vegetal cover. In addition, antecedent moisture conditions (i.e., rainfall received in previous years) affect sub-basin runoff and baseflow in a given year.

San Clemente and Pine Creeks drain portions of the southernmost perimeter of the watershed. These areas receive relatively high annual rainfall, averaging more than 40 inches per year. Accordingly, these tributaries are high contributors of flow to the Carmel River. As indicated in **TABLES III-4 and III-5**, San Clemente Creek consistently contributed the highest volume of tributary inflow to the Carmel River over the period. Pine Creek, despite its small drainage area, ranked second or third except during the extremely wet years of 1995 and 1998. Garzas Creek headwaters also drain an area of high rainfall, and its flow contribution consistently ranks second or third. However, it is notable that during the 2004 – 2008 reporting period Pine and Garzas Creeks ranked second and third respectively, in all five water years. Cachagua and Tularcitos Creeks, the two largest sub-basins, located in the northeastern portion of the watershed, lie in a “rain-shadow”. Accordingly, they are moderate flow contributors in dry to average years. In extremely wet years such as 1995 and 1998, these large basins become saturated and their relative contributions increase significantly. The relatively small tributary drainages including Hitchcock, Robinson and Potrero Creeks, each drain approximately five square miles and are not located in a high rainfall region. Therefore, these tributaries are the lowest flow contributors of the eight gaged tributaries (**TABLE III-5**).

TABLE III-5 expresses tributary contribution as a percentage of the total annual flow measured at the Carmel River at Highway 1 Bridge (HWY 1) site. The HWY 1 site essentially represents the total catchment of the Carmel River Basin, with a drainage area of 252 square miles, as compared to 255 square miles at the lagoon. **TABLE III-5** shows how the various tributaries ranked in flow contribution over the past 16 years. In addition, the table shows that tributary runoff accounts for approximately 40 percent of the flow at HWY 1. It is important to note that **TABLE III-5** does not account for gains or losses that occur along the river, particularly groundwater extraction from the Lower Carmel Valley (LCV), which averaged approximately 9,300 AF annually (CAW groundwater production) over the 1993-2008 period. Consequently, percentages of tributary flow contribution shown in the table are more exaggerated in dry years such as WY 1994 and 2007. In both of these years, LCV groundwater diversions (by CAW) totaled approximately 10,000 AF, significantly more than the total gaged flow at HWY 1 (7,410 AF and 6,470 AF) in both of these years.

Mainstem Flow

In general, total annual Carmel River streamflow generally gains in a downstream direction in above normal years through extremely wet years due to tributary inflow. In normal through critically dry years, losses in streamflow occur primarily due to LCV groundwater extraction. This is seen in more than half of the water years shown in **TABLE III-4** by comparing Upper Carmel Valley (UCV) gaging station flow values (Robles del Rio/Don Juan Bridge) against LCV values (near Carmel/Highway 1 Bridge). Refer to **TABLE III-2** for the runoff classifications for these years.

SUMMARY OF PEAK FLOWS

A summary of peak flows at the District's gaging stations for the report period is provided in **APPENDIX E**. The instantaneous peak flow or discharge (Q) typically corresponds to the highest stage (GHT) that occurred during a given storm. It is equivalent to "crest" stage of a flood event. While daily discharge values represent the mean (average) discharge over a 24-hour period, the instantaneous peak is the instant in time during a stormflow when the stream reached its highest level (and discharge) before receding.

Peak flows reported in **APPENDIX E** are obtained from the "primary computation of gage height and discharge" reports generated using the Western Hydrologic Systems software program (WHS, 1998). The peak stage during a stormflow may be obtained by the recorder, crest stage gage or survey of high water marks at the gaging station. Peak flow rates can be determined by either extending the station rating curve beyond the high flow range of measurements, or by a slope-area channel survey after the event to indirectly determine the peak flow. It is rare to obtain an actual discharge measurement at the peak stage.

APPENDIX E lists the peak of the year at the mainstem or tributary site indicated. In some cases, when the two highest peaks of the year at a given station are within approximately ten percent of each other, both peaks are listed (e.g., see WY 2006, Carmel River at Don Juan Bridge site).

RESERVOIR LEVELS

There are presently two significant reservoirs on the Carmel River, Los Padres Reservoir (LPR) and San Clemente Reservoir (SCR). Both reservoirs were constructed by the California Telephone and Water Company, now referred to as California American Water, the current owner and operator of both reservoirs. Both reservoirs were constructed for water supply and were not intended to provide flood-control benefits along the lower reaches of the Carmel River. Upon completion, Los Padres Reservoir storage capacity was 3,070 acre-feet (AF), and San Clemente Reservoir was 1,600 AF. Due to sedimentation over the years, LPR has lost about one half of its capacity and SCR has lost nearly all of its capacity.

Los Padres Reservoir, completed in 1949 (river mile 24.8), is the largest reservoir on the Carmel River and still functions as a viable water storage facility. Its current capacity based on a 2008 survey is approximately 1,750 AF (Smith, et. al., 2009). Currently, LPR is managed in such a way as to store water during the rainy season, and to release water from storage during the dry season to enhance instream flows below the reservoir. This operational mode is evident in the annual reservoir

level plots presented in **APPENDIX F**. By December or January of each year, the reservoir is typically full and spilling (elevation 1040 feet or greater), and remains full through late spring/early summer before CAW in cooperation with the District and federal and state resource agencies, begins to release water from storage and draw down the reservoir. Although minimum-pool elevation is 980 feet, the reservoir level normally is not reduced below elevation 1,000 feet in order to avoid sediment entrainment into the outlet works, or simply to prevent the reservoir from completely draining prior to the following rainy season.

San Clemente Reservoir, completed in 1921 (river mile 18.5) has lost nearly all of its storage volume due to sedimentation. Prior to August 1996, flashboards were installed at the beginning of the dry season to increase water storage over the summer; however, this practice has been discontinued. San Clemente Dam has been deemed seismically unsafe by the Department of Water Resources, Division of Safety of Dams (DSOD) and it is currently required that CAW reduce its dry-season level to elevation 515 feet (10 feet lower than the spillway elevation), thus reducing hydraulic pressure behind the dam. This is accomplished by releasing water through six ports (at approximate elevation 515 feet) that have been drilled through the dam, becoming active in June 2003. This annual "Draw-down Project" is evident in the SCR water-level plots in **APPENDIX F**. In the winter, high flows overwhelm the capacity of the ports and the reservoir spills uncontrolled at elevation 525 feet or higher, until the following dry season's draw down.

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER BASIN - ANNUAL STREAMFLOW SUMMARY
WATER YEARS 1992 - 2008
 (Values in Acre-Feet)

TRIBUTARY SITES	Drainage Area (Sq. Miles)	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
CACHAGUA CREEK	46.3	1,780	7,340	560	16,320	3,840	4,990	23,800	2,590	1,730	1,500	245	1,270	1,250	4,340	5,210	261	2,200	
PINE CREEK	7.8	3,750	9,800	1,230	11,110	6,550	8,300	15,610	4,540	5,300	3,270	2,300	4,250	2,350	8,910	8,020	849	3,840	
SAN CLEMENTE CREEK	15.6	5,450	17,070	1,820	20,580	9,310	14,100	33,380	7,130	9,830	5,340	3,270	5,850	3,720	16,330	13,720	1,360	5,520	
TULARCITOS CREEK	56.3	635	3,220	444	5,100	1,650	2,450	22,610	3,810	2,450	1,490	630	552	503	1,000	2,480	503	917	
HITCHCOCK CREEK	4.6	*	*	52	1,820	451	716	2,970	169	482	214	18	274	234	863	691	2	383	
GARZAS CREEK	13.2	3,700	11,170	746	12,140	4,890	8,570	24,610	5,050	4,980	3,070	1,200	2,760	1,810	8,590	7,420	381	3,010	
ROBINSON CANYON CREEK	5.4	619	2,360	89	2,230	619	1,430	6,890	545	823	433	82	448	354	1,710	1,010	25	455	
POTRERO CREEK	5.2	*	*	30	1,790	506	1,210	5,970	855	1,020	310	43	210	164	1,470	1,050	13	308	
SAN JOSE CREEK (outside CRB)	14.2	*	*	*	*	*	*	*	6,400	6,260	2,890	1,100	1,880	1,480	7,640	6,870	862	1,740	
MAINSTEM SITES																			
CR AT ROBLES DEL RIO	193	38,240	109,000	11,800	155,000	75,210	99,340	250,300	54,640	76,750	47,180	31,850	60,560	38,060	114,400	110,100	12,220	49,080	
CR AT DON JUAN BRIDGE	216	*	122,000	12,760	173,600	83,090	111,800	252,200	53,570	73,960	49,360	31,330	60,420	38,330	121,800	118,300	12,150	52,510	
CR NEAR CARMEL	246	35,570	123,400	8,200	177,400	74,500	104,100	261,100	55,000	76,190	47,790	28,340	55,400	35,220	119,200	119,200	7,440	43,960	
CR AT HIGHWAY 1 BRIDGE	252	*	123,000	7,410	179,500	83,430	112,000	280,900	50,810	72,660	42,860	24,860	52,000	30,300	115,200	115,000	6,470	42,520	

- Notes: 1. Carmel River (CR) at Robles del Rio and near Carmel sites are maintained by the USGS.
 2. (*) No continuous stage data collected.
 3. Streamflow sites listed in downstream order.
 4. San Jose Creek is outside the Carmel River Basin, but is shown for comparison.

**PERCENTAGE OF CARMEL RIVER TRIBUTARY FLOW CONTRIBUTION
RELATIVE TO TOTAL FLOW AT THE CARMEL RIVER AT HIGHWAY 1 BRIDGE SITE**

TRIBUTARY SITES	Drainage Area (Square Miles)	% of CRB Area	% of Total Tributary Flow Contribution by WY																
			1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	1993-08
SAN CLEMENTE CREEK	15.6	6	14	25	11	11	13	12	14	14	12	13	11	12	14	12	21	13	13
GARZAS CREEK	13.2	5	9	10	7	6	8	9	10	7	7	5	5	6	7	6	6	7	7
PINE CREEK	7.8	3	8	17	6	8	7	6	9	7	8	9	8	8	8	7	13	9	7
CACHAGUA CREEK	46.3	18	6	8	9	5	4	8	5	2	3	1	2	4	4	5	4	5	6
TULARCITOS CREEK	56.3	22	3	6	3	2	2	8	7	3	3	3	1	2	1	2	8	2	4
ROBINSON CANYON CR.	5.4	2	2	1	1	1	1	2	1	1	1	0	1	1	1	1	0	1	1
POTRERO CREEK	5.2	2	---	0	1	1	1	2	2	1	1	0	0	1	1	1	0	1	1
HITCHCOCK CREEK	4.6	2	---	1	1	1	1	1	0	1	0	0	1	1	1	1	0	1	1
Total	154.4	60		67	40	33	37	48	49	37	36	31	30	34	38	34	52	39	40

NOTES:

1. Percent of Carmel River Basin (CRB) figures are based on a total basin area of 252 square miles (Sq. Mi.).
2. Percent of total flow contribution figures are based on the total annual flow at Carmel River at HWY 1 Bridge site.
3. The above table does not account for gains or losses that occur along the river including but not limited to ground and surface water production, interflow, un-gaged drainage, local runoff, evapotranspiration etc.
4. Percentage values for the 1993-2003 period do not incorporate Water Year 1993 at the Hitchcock and Potrero Creek sites.
5. Total percentage values are calculated from actual values and are not derived from addition of individual, rounded percentage values.
6. Percentages of tributary flow contribution in "Critically Dry" years (1994 & 2007) are poorly represented as LCV groundwater production exceeds gaged HWY 1 flows in these years.

SECTION IV - CARMEL RIVER LAGOON

Data plots presented in this section have been completed as part of the District's Water Allocation Mitigation Program, which encompasses the Lagoon Vegetation and Wildlife Program. The primary goal of the Lagoon Vegetation and Wildlife Program is to identify feasible measures to quantify and understand changes to the vegetation and wildlife at the lagoon. Ongoing data-collection efforts related to this goal include: monitoring of lagoon vegetation and wildlife, water quality, topography, sediment transport, river inflow and water-surface elevation. This report presents data specific to lagoon water-surface elevation, bathymetry at established cross sections, and lagoon volume.

LAGOON WATER SURFACE ELEVATION PLOTS

Continuous lagoon water-surface elevation plots are presented in **APPENDIX G**. These data have been collected using a pressure-transducer/data-recorder system that was initially installed November 1987 in the south arm of the lagoon to measure water-level fluctuations (**FIGURE IV-1**). The original instrumentation and installation were upgraded in November 1993, and the site was added to the Monterey County Water Resources Agency's (MCWRA) ALERT system in November 1995, to enhance flood warning for residents located along the northern margin of the lagoon and wetland. Accuracy of recorded data is verified by manual staff-gage readings taken at the site. Data collected at the site are downloaded remotely utilizing telecommunications hardware on a daily or weekly basis and monthly plots are constructed using graphics software. These plots are posted to the District's website at <http://www.mpwmd.dst.ca.us/wrd/lagoon/webplots/webplots.htm> to allow outside parties access to these data.

The plots in **APPENDIX G** represent a complete record of lagoon water levels for the October 1, 2003 through September 30, 2008 period. As indicated, the Y-axis tick marks are referenced to National Geodetic Vertical Datum of 1929 or NGVD. The X-axis tick marks represent the beginning of the day indicated (i.e., zero hundred hours military time). The maximum recorded level during this five-year period was 12.66 feet on January 5, 2008. The lowest recorded level of 1.34 feet on April 26, 2008 is likely higher than the actual lowest level on that day. On May 18, 2009 (outside this report period), it was discovered that the lower limit of the water-level sensor (sensor) at the lagoon gaging station is approximately 1.35 feet, however, a staff-gage reading on May 18 was recorded at 0.95 feet, and the sensor was observed to be out of the water. Therefore, recorded water level data above 1.35 feet are presumed to be valid as the water surface would be at or above the sensor. Review of the five-year set of lagoon level plots indicate that the water-level briefly dropped below the sensor only during the April 25-27, 2008 period, and that the remaining data over the five-year period are valid. Given the above, the actual minimum level for the period is not known.

Generally, the highest lagoon levels are associated with a closed lagoon mouth with river inflow of at least 10 cfs, just prior to breaching. However, the two highest levels ever recorded (January 11, 2001 and January 5, 2008) were associated with (and likely caused by) unusually high surf and tide overtopping the beach berm at the lagoon mouth, thus filling the lagoon. The lowest lagoon levels typically occur during the lowest daily ocean tide with an open lagoon mouth, and low river inflow (i.e., generally less than 30 cfs).

It should be noted that the peak level of 12.66 feet on January 5, 2008 is the highest recorded lagoon elevation since District record keeping began in 1987, and was a result of unusually high surf and

tide that surged over the beach berm filling the lagoon (**FIGURE IV-2**). Prior to this event, the lagoon mouth was closed, and the Carmel River streambed upstream of the lagoon was completely dry. The major winter storm of January 4-5, 2008 generated 5-10 inches of rain in the upper watershed of the Carmel River, producing a peak stormflow of about 3,500 cfs that propagated downstream toward the lagoon. This peak flow attenuated to approximately 500-1,000 cfs by the time it reached the lagoon. Precise lagoon river-inflow data are unavailable as the extremely high lagoon level of 12.66 feet caused significant backwater at the District's Carmel River at Highway 1 Bridge gaging station which precluded accurate computation of discharge values at the site. In addition to the storm runoff entering the lagoon on January 5, 2008, unusually high ocean swells of 25-30 feet (NWS buoy reports) accompanied by a high tide of 5.7 feet washed unimpeded into the lagoon. The combined result of the high surf, tide and river flow increased the lagoon water level to a peak of 12.66 feet, or the highest on record. The high lagoon level began to drop naturally once the high tide receded, and the lagoon level dropped to about three feet later that day. Atypically, no bulldozers were used to evacuate the lagoon.

Most of the lagoon water level fluctuations shown in **APPENDIX G** during the winter and spring result from the interaction of natural phenomena including ocean tides, river inflow, and lagoon mouth closures and openings. During the summer, the lagoon mouth typically closes and water levels recede due to reduced surface inflow related to the natural streamflow recession and groundwater extraction upstream. Lagoon water levels generally increase during the fall months as high surf and tides overtop the beach berm, filling the lagoon. For additional information on lagoon characteristics, the reader is referred to a series of reports prepared by the Watershed Institute, California State University Monterey Bay (CSUMB). These reports and other lagoon information can be found at the Watershed Institute Publications web page at the following web site: <http://ccows.csUMB.edu/pubs/>.

In years when significant streamflow reaches the lagoon for the first time of the rainy season, the Monterey County Public Works Department must artificially breach the lagoon mouth using bulldozers, to avoid flooding of homes bordering the north side of the lagoon. **TABLE IV-1** summarizes these initial (i.e., first of the season) breaching events, and where they appear in **APPENDIX G**. A more complete listing of initial breaching events since 1988 is presented as **TABLE IV-2**. Following the initial seasonal breaching, documentation of subsequent breaching events is incomplete, as breaching has been accomplished by bulldozer, hand shovel (by public or private parties), or by nature. Lagoon filling and subsequent breaching sequences appear as "fin" shapes in the hydrographs. For additional information regarding the interpretation of these plots, the reader is referred to District Technical Memorandum 05-01, *Surface Water Dynamics at the Carmel River Lagoon Water Years 1991 through 2005* (James, 2005).

TABLE IV-1

**INITIAL BREACHING OF THE CARMEL RIVER LAGOON MOUTH
BY THE MONTEREY COUNTY PUBLIC WORKS DEPARTMENT**

Water Year	Date of Breaching	Figure in Appendix G
2004	December 30, 2003	Figure G-2
2005	December 30, 2004	Figure G-8
2006	December 27, 2005	Figure G-14
2007	February 11, 2007	Figure G-21
2008	*January 5, 2008	Figure G-26

* Lagoon breaching occurred without human intervention

LAGOON CROSS-SECTIONAL PLOTS

Lagoon cross-sectional plots are also presented in **APPENDIX G**. In January 1988, District staff selected four cross-section sites at the lagoon to monitor changes in the substrate (**FIGURE IV-1**). During a lagoon topographic survey by District staff in Fall 1994, these cross sections were re-surveyed using a Total Station surveying instrument, and established on the California Coordinate System, Zone 4 to facilitate consistency in future surveys. Vertical control is based on NGVD 1929 datum. **FIGURE G-31** illustrates the annual cross-sectional surveys that have been conducted over the past six years. Based on the 2003-2008 survey data, the lagoon does not appear to be gaining or losing volume during this time period. Rather, the sand supply appears to be in a state of dynamic equilibrium as indicated in this short-term data set. The only major substrate changes over the period were a loss in lagoon volume between September 2004 and June 2005, and a significant gain in volume the following water year between June 2005 and September 2006. **FIGURES G-32 through G-36** are provided to highlight these year to year changes. It is planned that these cross sections will be surveyed annually to identify long-term changes in lagoon volume.

LAGOON STAGE-VOLUME AND STAGE-AREA RELATIONSHIPS

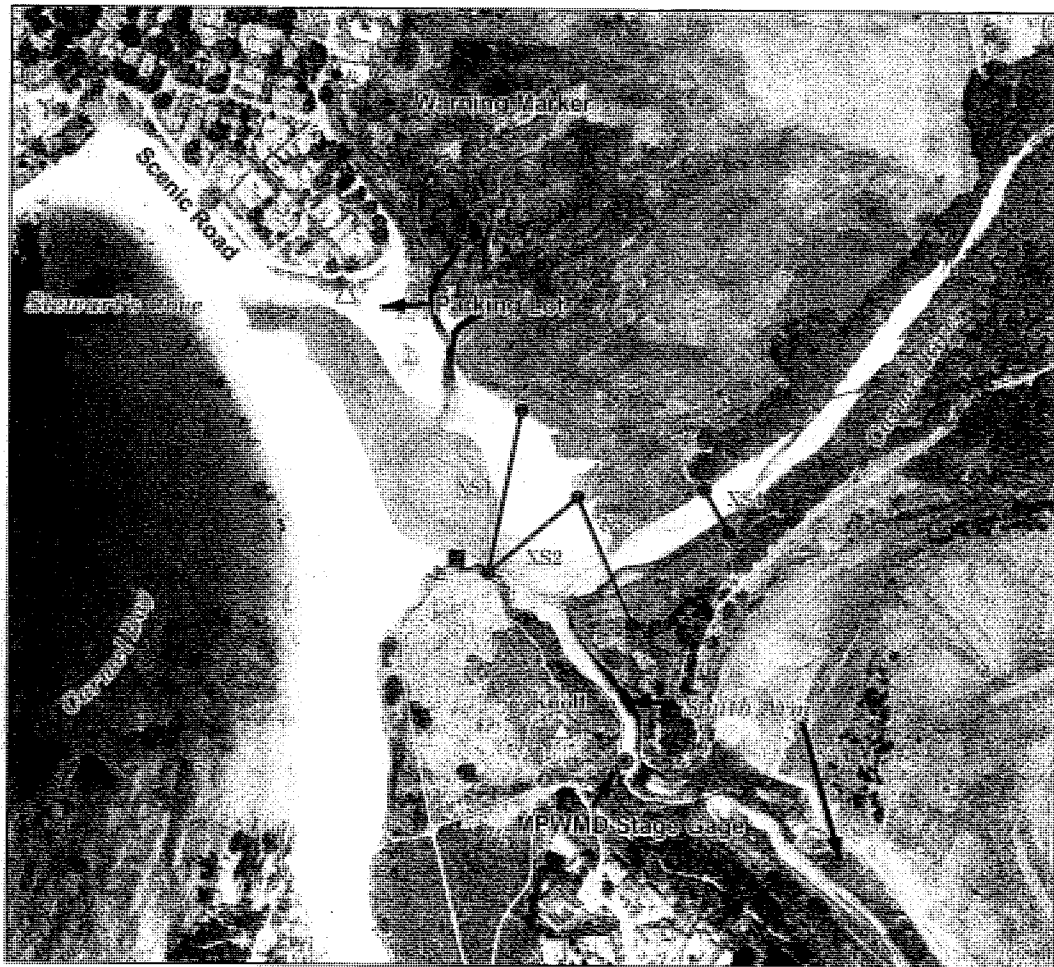
In Fall 1994, District staff conducted a survey of lagoon topography to update a topographic map of the Carmel River mouth area that was previously prepared in September 1988. In August 1997, the District retained Graham Matthews and Associates to help staff use the survey data to develop a computer-generated topographic map and develop a stage-volume and stage-area relationship for the lagoon. The report that documents this work, *Carmel River Lagoon Mapping and Development of Stage-Volume and Stage-Area Relationships*, was completed in November 1997 (Matthews and Associates, 1997).

Subsequent to completion of the 1997 lagoon volume analysis (which processed 1994 field data), the south arm of the lagoon was excavated in 1997 and again in 2004 to increase volume and restore wetland and riparian habitat. In order to obtain an updated estimate of lagoon volume, the District

retained RMC water and environmental consultants, and in October 2007 a new lagoon stage-volume relationship was developed (Hope, 2007). This report indicates that when the lagoon is full (i.e., stage at 10 feet), it contains approximately 382 acre-feet (AF) of water, or about 100 AF more than the 1997 estimate as a result of the excavation work that was conducted. **TABLE IV-3** summarizes the lagoon stage-volume relationship documented in the 2007 report and compares it to the 1997 report results (1994 data). These volume studies are of key importance in understanding the water balance of the lagoon under the variable hydrologic and oceanic conditions that occur seasonally.

FIGURE IV-1

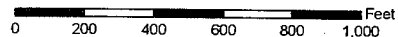
Monterey Peninsula
Water Management District
Carmel River Lagoon Area



- △ Benchmarks
- MPWMD Surface Water Quality Site
- Stage Gages
- MPWMD Cross Sections (XS)



Aerial Photo Date
August 25, 2005



Carmel River Lagoon January 2008

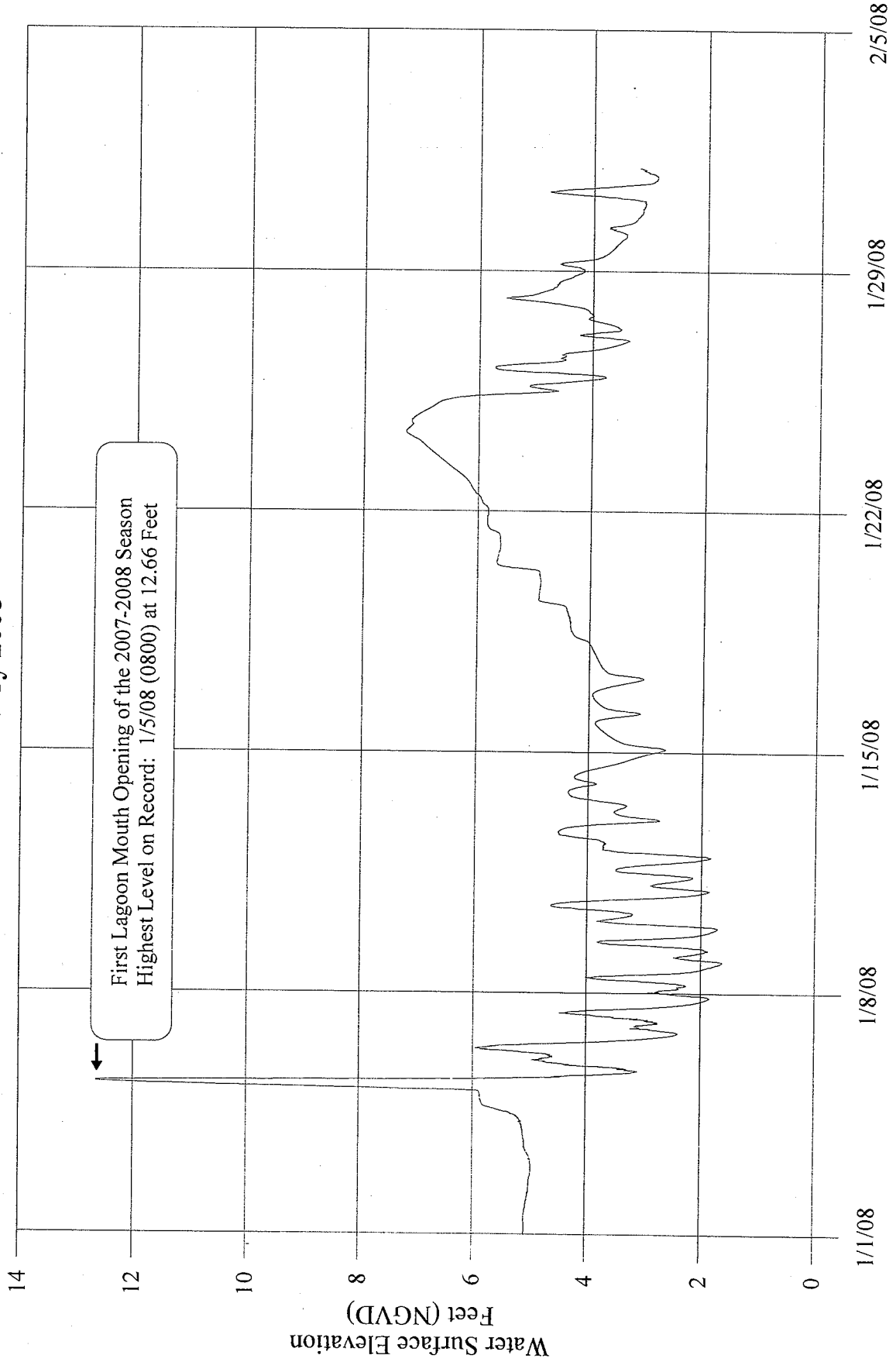


FIGURE IV-2

TABLE IV-2

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

SEASONAL CARMEL RIVER LAGOON OPENINGS
WATER YEARS 1988 – 2008

<u>WATER YEAR</u>	<u>SEASONAL OPENING</u>
1988	No river flow to ocean
1989	No river flow to ocean
1990	No river flow to ocean
1991	March 18, 1991
1992	February 11, 1992
1993	January 3, 1993
1994	February 17, 1994
1995	January 9, 1995
1996	December 13, 1995
1997	December 9, 1996
1998	December 6, 1997
1999	November 3, 1998
2000	January 24, 2000
2001	January 11, 2001
2002	December 3, 2001
2003	December 16, 2002
2004	December 30, 2003
2005	December 30, 2004
2006	December 27, 2005
2007	February 11, 2007
2008	January 5, 2008

Notes:

1. Except as indicated all seasonal openings are assumed to coincide with emergency breaching activities conducted by the Monterey County Public Works Department (MCPWD).
2. In WY 2003, the MCPWD conducted an emergency breaching of the lagoon on December 15, 2002. However, high surf and tides (and other factors) precluded draining of the lagoon until the following day.
3. Following a peak lagoon flood level of 12.66 feet on January 5, 2008 the lagoon breached without the aid of bulldozers later that same day on the outgoing tide.

U:\James\wp\lagoon\brchdate.doc

TABLE IV-3
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

**CARMEL RIVER LAGOON STAGE-VOLUME RELATIONSHIPS
1994 AND 2007 ANALYSES**

ELEVATION (FEET NGVD)	1994 VOLUME ACRE-FEET	2007 VOLUME ACRE-FEET
-2.0	0.002	1.52
-1.0	0.04	2.76
0.0	0.19	4.61
1.0	0.50	7.90
2.0	1.50	13.68
3.0	4.57	24.31
4.0	12.55	41.12
5.0	30.18	64.36
6.0	60.58	99.98
7.0	103.31	149.35
8.0	155.77	212.25
9.0	217.25	288.58
10.0	285.77	382.48
11.0		500.39
12.0		641.19
13.0		803.96
14.0		991.80
15.0		1217.14

Notes:

1994 lagoon volume data collected by MPWMD and processed by Graham Matthews & Associates, 1997.
2007 lagoon volume data collected between 2003 and 2007, and processed by RMC, 2007.

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MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER BASIN

**SURFACE WATER RESOURCES DATA REPORT
WATER YEARS 2004 - 2008**

APPENDIX A

RAINFALL DATA

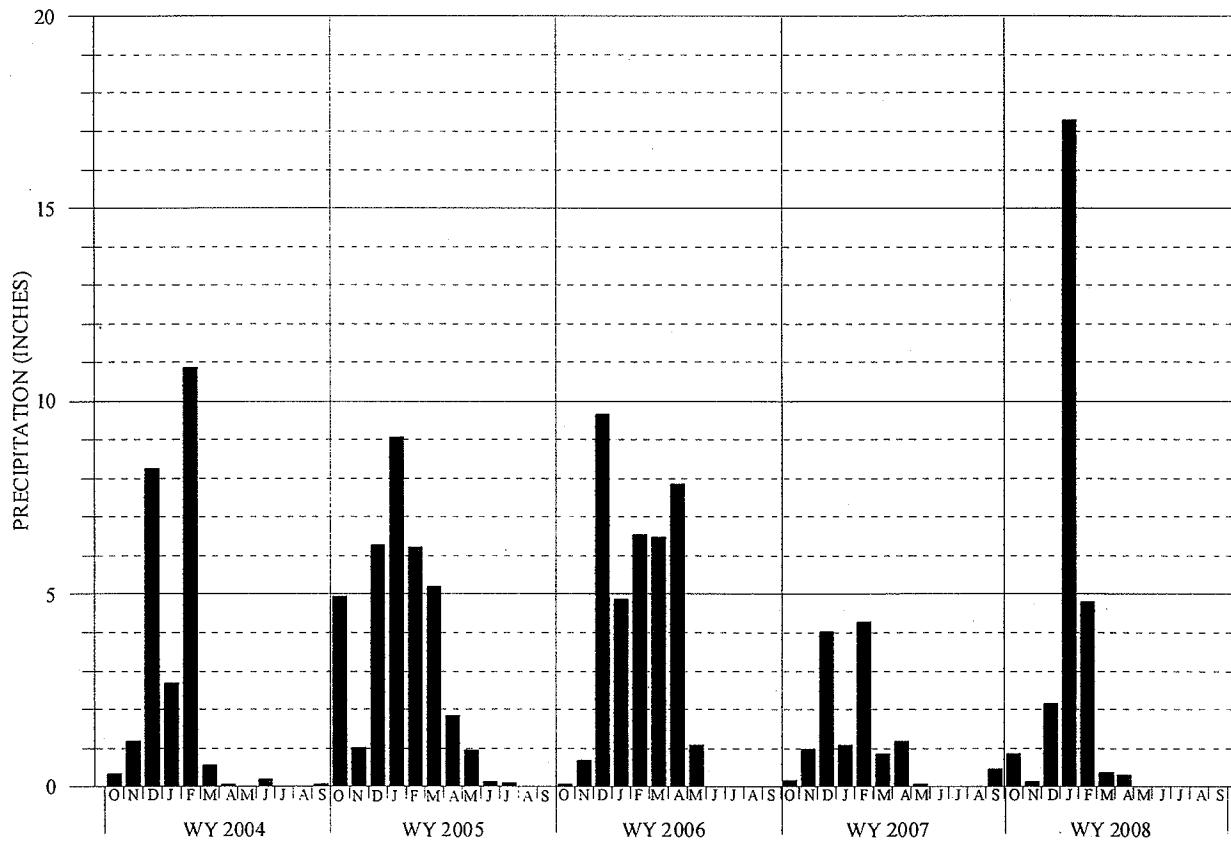
TABLE A-1

**LOS PADRES RESERVOIR RAINFALL
WATER YEARS 2004 - 2008**

(Values in Inches)

YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
2004	0.34	1.17	8.25	2.70	10.86	0.57	0.08	0.00	0.20	0.00	0.00	0.06	24.23
2005	4.94	1.03	6.30	9.08	6.24	5.21	1.85	0.96	0.15	0.09	0.00	0.00	35.85
2006	0.07	0.68	9.68	4.87	6.55	6.48	7.86	1.08	0.00	0.00	0.00	0.00	37.27
2007	0.18	1.00	4.03	1.07	4.29	0.87	1.19	0.08	0.00	0.00	0.00	0.46	13.17
2008	0.87	0.15	2.17	17.28	4.83	0.35	0.29	0.00	0.00	0.00	0.00	0.00	25.94

FIGURE A-1



Source: California American Water, Monterey Division.

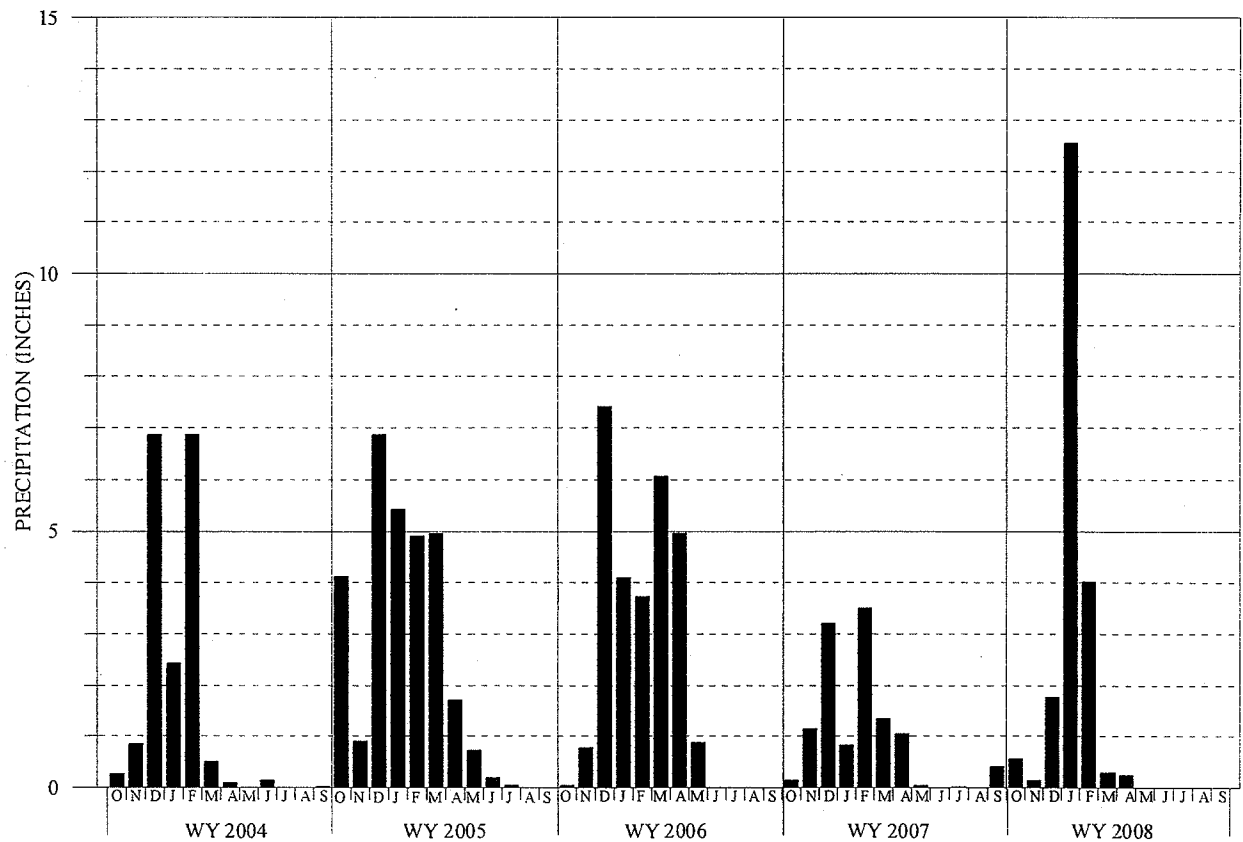
TABLE A-2

**SAN CLEMENTE RESERVOIR RAINFALL
WATER YEARS 2004 - 2008**

(Values in Inches)

YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
2004	0.27	0.87	6.88	2.44	6.88	0.52	0.11	0.00	0.15	0.00	0.00	0.04	18.16
2005	4.13	0.90	6.87	5.43	4.91	4.97	1.73	0.75	0.20	0.06	0.00	0.00	29.95
2006	0.05	0.78	7.43	4.11	3.73	6.07	4.97	0.89	0.00	0.00	0.00	0.00	28.03
2007	0.16	1.16	3.22	0.84	3.52	1.36	1.05	0.06	0.00	0.02	0.00	0.42	11.81
2008	0.57	0.15	1.77	12.56	4.02	0.29	0.25	0.00	0.00	0.00	0.00	0.00	19.61

FIGURE A-2



Source: California American Water, Monterey Division.

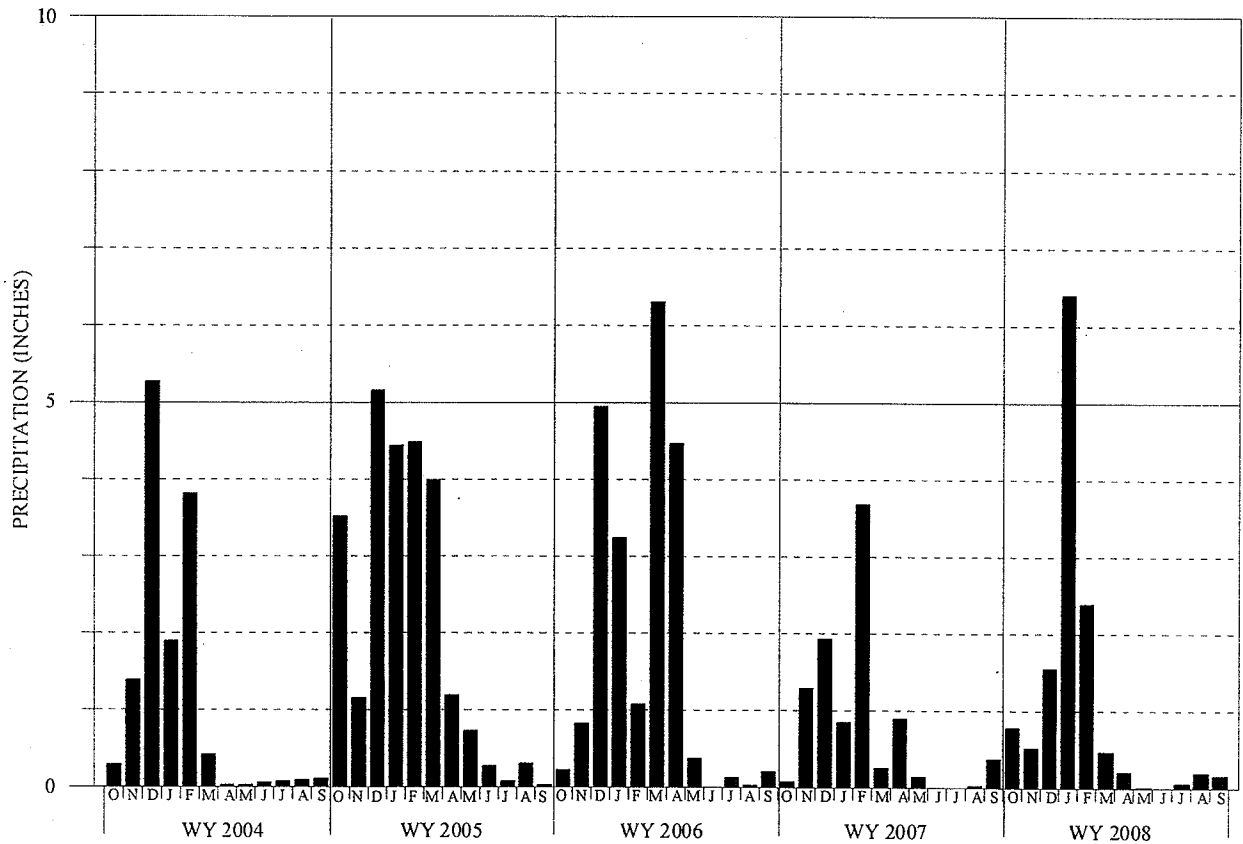
TABLE A-3

**PACIFIC GROVE RESERVOIR RAINFALL
WATER YEARS 2004 - 2008**

(Values in Inches)

YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
2004	0.29	1.39	5.27	1.90	3.81	0.42	0.04	0.04	0.06	0.08	0.10	0.12	13.52
2005	3.53	1.17	5.16	4.44	4.49	4.00	1.19	0.74	0.28	0.08	0.31	0.04	25.43
2006	0.23	0.84	4.95	3.25	1.09	6.30	4.47	0.38	0.00	0.13	0.03	0.21	21.88
2007	0.09	1.29	1.94	0.86	3.68	0.27	0.90	0.15	0.01	0.00	0.04	0.38	9.61
2008	0.79	0.53	1.56	6.41	2.39	0.47	0.21	0.02	0.01	0.06	0.20	0.17	12.82

FIGURE A-3



Source: California American Water, Monterey Division.

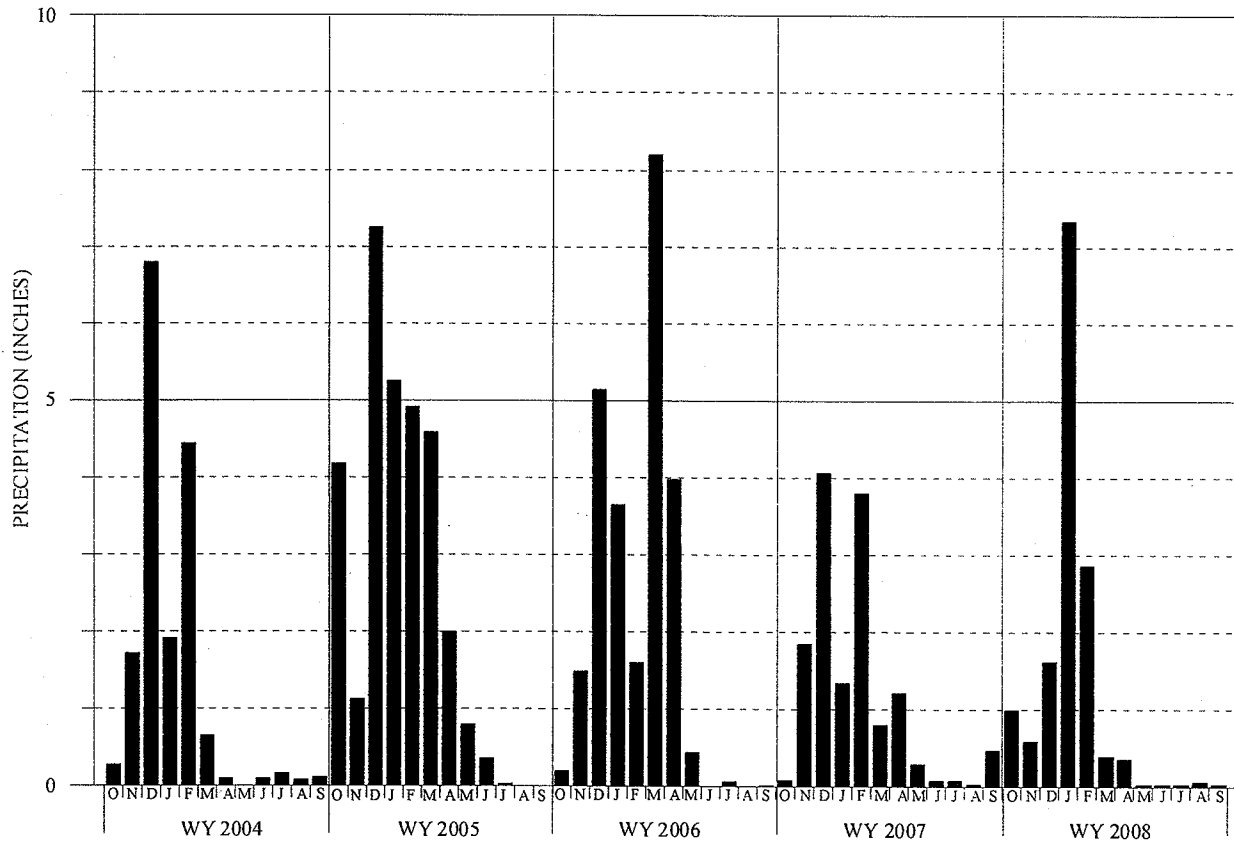
TABLE A-4

**MONTEREY RAINFALL
WATER YEARS 2004 - 2008**

(Values in Inches)

YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
2004	0.28	1.72	6.80	1.92	4.44	0.65	0.10	0.01	0.10	0.17	0.08	0.12	16.39
2005	4.17	1.14	7.25	5.26	4.92	4.58	2.00	0.81	0.36	0.03	0.00	0.01	30.53
2006	0.20	1.49	5.14	3.65	1.60	8.21	3.98	0.44	0.00	0.07	0.00	0.02	24.80
2007	0.08	1.86	4.06	1.34	3.80	0.80	1.21	0.30	0.08	0.09	0.03	0.47	14.12
2008	1.00	0.59	1.63	7.33	2.87	0.39	0.37	0.03	0.03	0.04	0.07	0.04	14.39

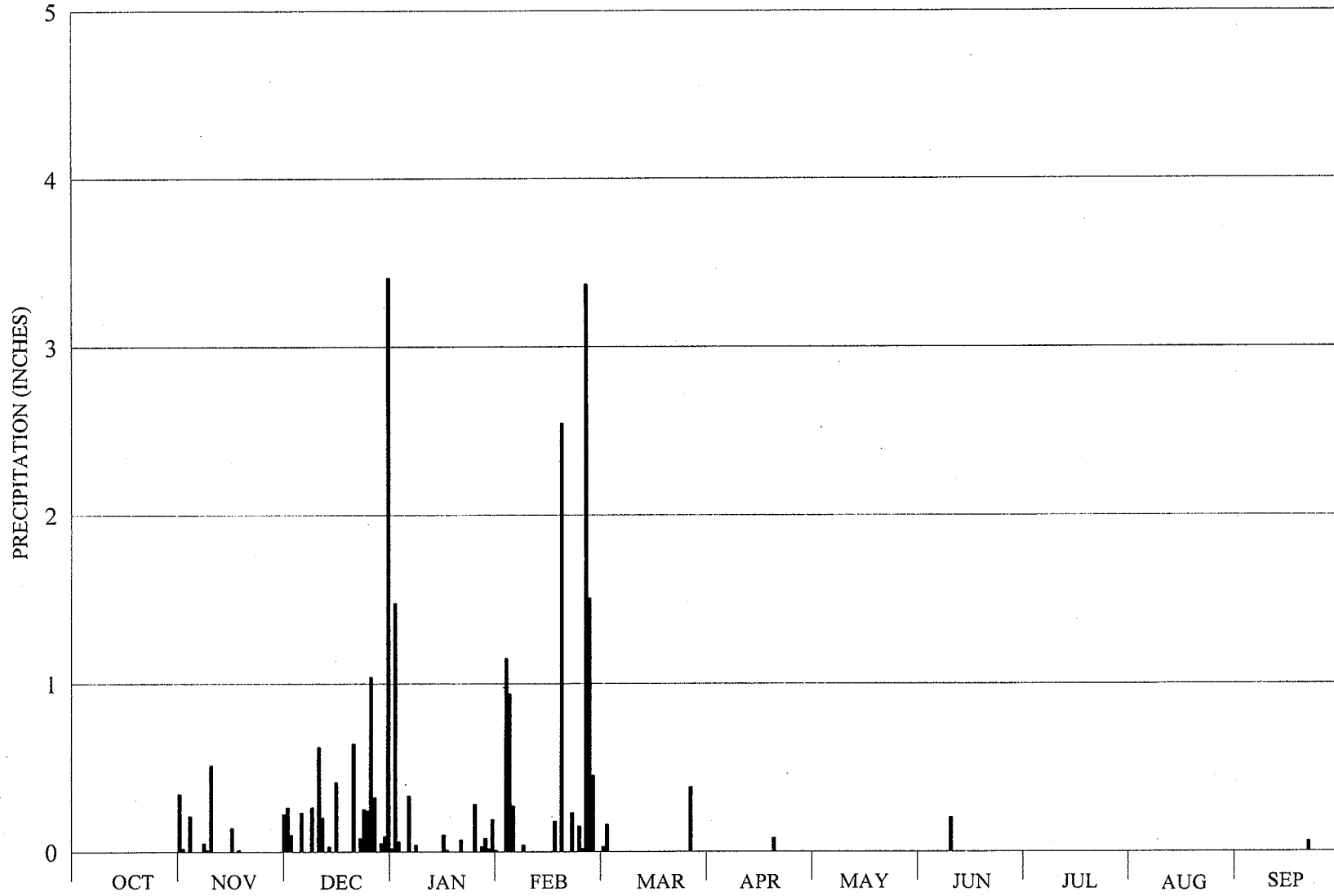
FIGURE A-4



Source: Robert J. Renard, Meteorologist/Volunteer Observer, Monterey, CA.

FIGURE A-5

LOS PADRES RESERVOIR DAILY RAINFALL
WATER YEAR 2004



Note: Monthly tick marks are approximate.

**TABLE A-5. MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
Precipitation Record**

Station: Los Padres Reservoir

County: Monterey

Observer: California-American Water Company

Record obtained from: California-American Water Company, Monterey District

Daily Precipitation in Inches - Season of 2003-2004

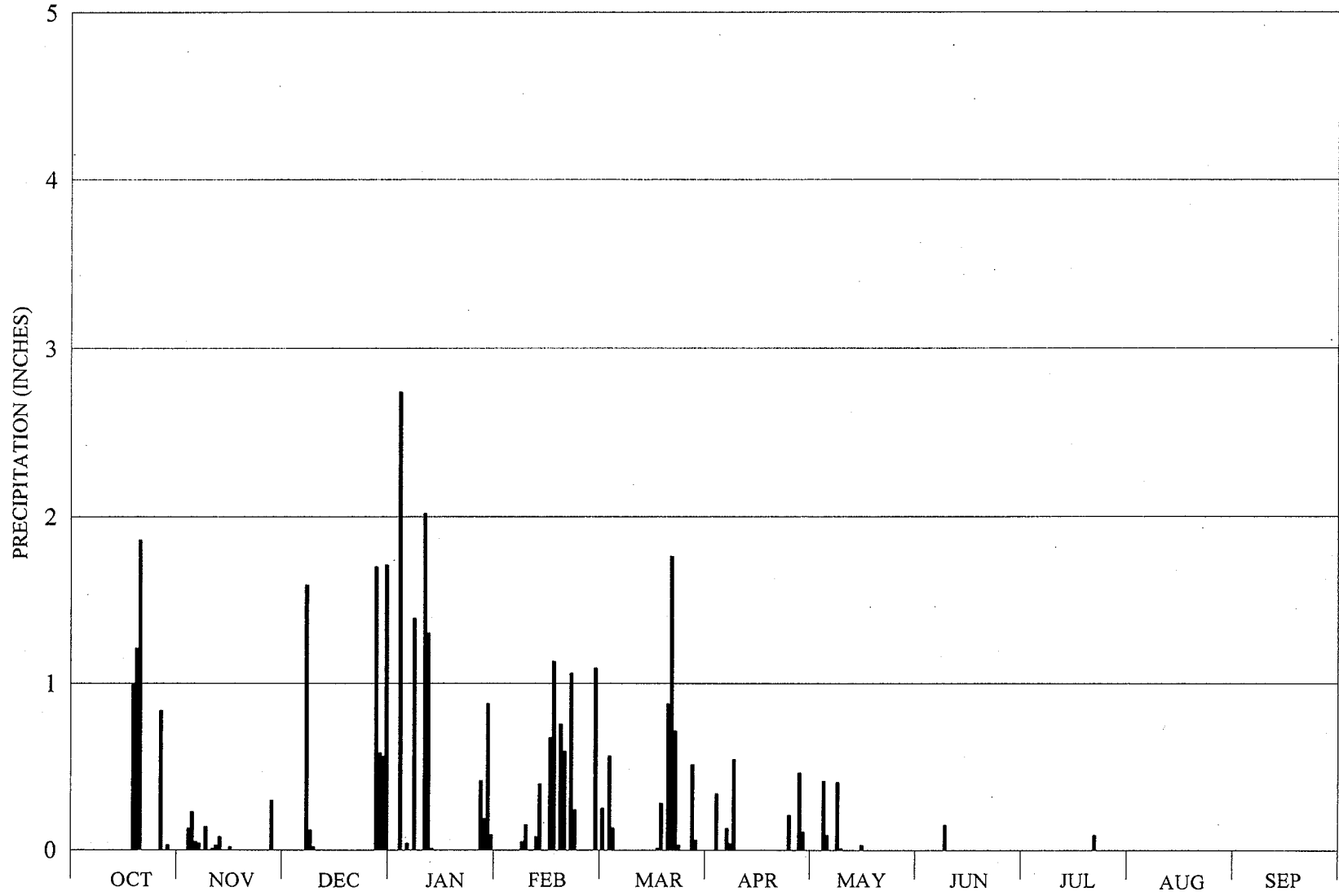
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		0.02	0.26	1.48		0.03						
2			0.10	0.06	1.15	0.16						
3		0.21	T		0.94							
4		T			0.27							
5			0.23	0.33	T							
6			T	T								
7		0.05		0.04	0.04							
8		0.01	0.26	T								
9		0.51							0.20			
10			0.62									
11			0.20									
12												
13			0.03									
14												
15		0.14	0.41	0.10								
16			T	0.01	0.18							
17		0.01			T							
18					2.55							
19			T				0.08					
20			0.64	0.07	T							0.06
21				T	0.23							
22			0.08									
23			0.25		0.15							
24			0.24	0.28	0.02							
25			1.04		3.37							
26			0.32	0.03	1.51	0.38						
27				0.08	0.45							
28			0.05	0.02								
29			0.09	0.19								
30		0.22	3.41	0.01								
31	0.34		0.02	T								
Total	0.34	1.17	8.25	2.70	10.86	0.57	0.08	0.00	0.20	0.00	0.00	0.06

Season Total: 24.23 Inches

Note: Rainfall recorded on day of measuring.

FIGURE A-6

LOS PADRES RESERVOIR DAILY RAINFALL
WATER YEAR 2005



Note: Monthly tick marks are approximate.

**TABLE A-6 MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
Precipitation Record**

Station: Los Padres Reservoir

County: Monterey

Observer: California-American Water Company

Record obtained from: California-American Water Company, Monterey District

Daily Precipitation in Inches - Season of 2004-2005

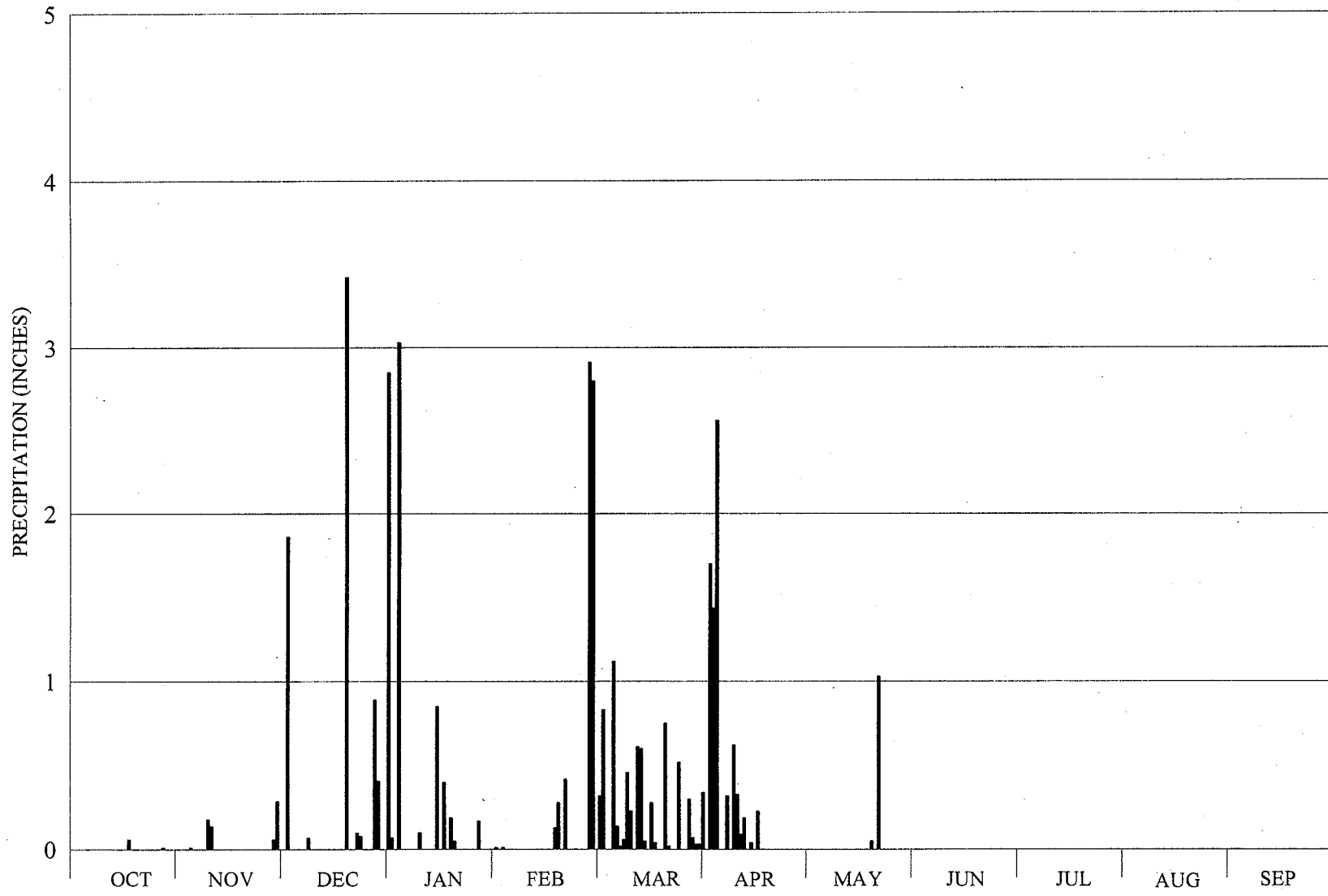
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2						0.25						
3		0.13		2.74								
4		0.23				0.57	0.34					
5		0.05		0.04		0.13		0.42				
6		0.04	T	T				0.09				
7			1.59	1.39	0.05		0.13					
8		0.14	0.12		0.15		0.04		T			
9	T		0.02				0.55	0.41	0.15			
10		0.01		2.02				0.01				
11		0.03		1.30	0.08		T					
12		0.08		0.01	0.40							
13												
14						T						
15		0.02			0.68							
16					1.13			0.03				
17												
18	1.00				0.76	0.01						
19	1.21				0.60	0.28						
20	1.86											
21	T				1.06	0.88						
22					0.24	1.76				0.09		
23						0.72						
24						0.03						
25	T						0.21					
26	0.84			0.42								
27	T	0.30	1.70	0.19								
28	0.03		0.59	0.88	1.09	0.52	0.47					
29			0.57	0.09		0.06	0.11					
30			1.71									
31												
Total	4.94	1.03	6.30	9.08	6.24	5.21	1.85	0.96	0.15	0.09	0.00	0.00

Season Total: 35.85 Inches

Note: Rainfall recorded on day of measuring.

FIGURE A-7

**LOS PADRES RESERVOIR DAILY RAINFALL
WATER YEAR 2006**



Note: Monthly tick marks are approximate.

**TABLE A-7 MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
Precipitation Record**

Station: Los Padres Reservoir

County: Monterey

Observer: California-American Water Company

Record obtained from: California-American Water Company, Monterey District

Daily Precipitation in Inches - Season of 2005-2006

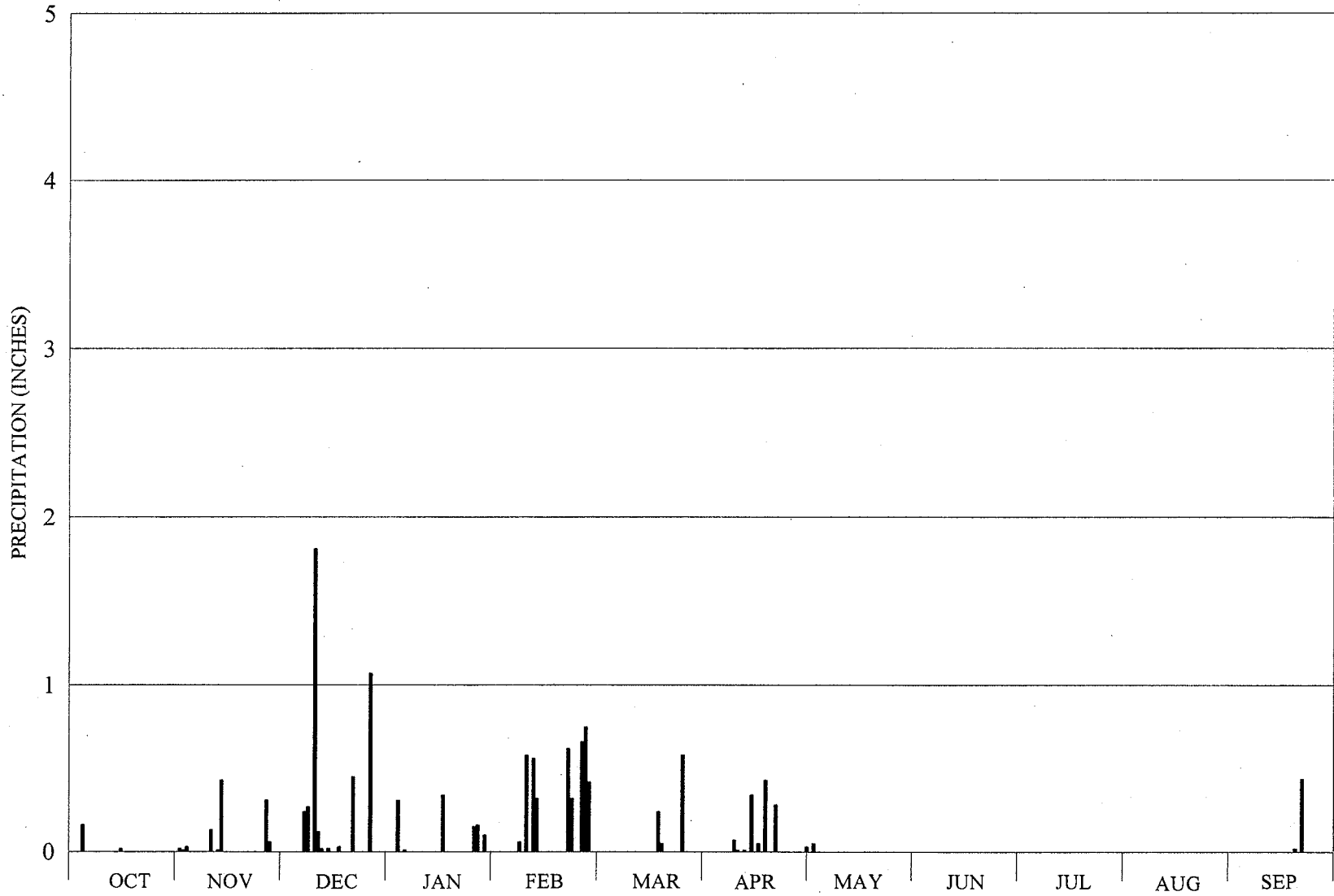
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				0.07		T	0.34					
2			1.86		0.01	0.32						
3				3.03		0.83	1.70					
4		0.01			T		1.44					
5							2.56					
6						1.12	T					
7		T				0.14						
8		T	0.07			0.02	0.32					
9		0.18		0.10		0.06						
10		0.14				0.46	0.62					
11				T		0.23	0.33					
12				T			0.09		T			
13						0.61	0.19					
14				0.85		0.60	T					
15					T	0.05	0.04					
16				0.40	T							
17	0.06				0.13	0.28	0.23					
18				0.19	0.28	0.04	T					
19			3.42	0.05								
20			T		0.42			0.05				
21						0.75						
22			0.10			0.02		1.03				
23			0.08									
24												
25						0.52	T					
26				0.17								
27	0.01		0.89	T	2.91							
28		0.06	0.41		2.80	0.30						
29		0.29	T			0.07						
30		T				0.03						
31			2.85	0.01		0.03						
Total	0.07	0.68	9.68	4.87	6.55	6.48	7.86	1.08	0.00	0.00	0.00	0.00

Season Total: 37.27 Inches

Note: Rainfall recorded on day of measuring.

FIGURE A-8

LOS PADRES RESERVOIR DAILY RAINFALL
WATER YEAR 2007



Note: Monthly tick marks are approximate.

**TABLE A-8 MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
Precipitation Record**

Station: Los Padres Reservoir

County: Monterey

Observer: California-American Water Company

Record obtained from: California-American Water Company, Monterey District

Daily Precipitation in Inches - Season of 2006-2007

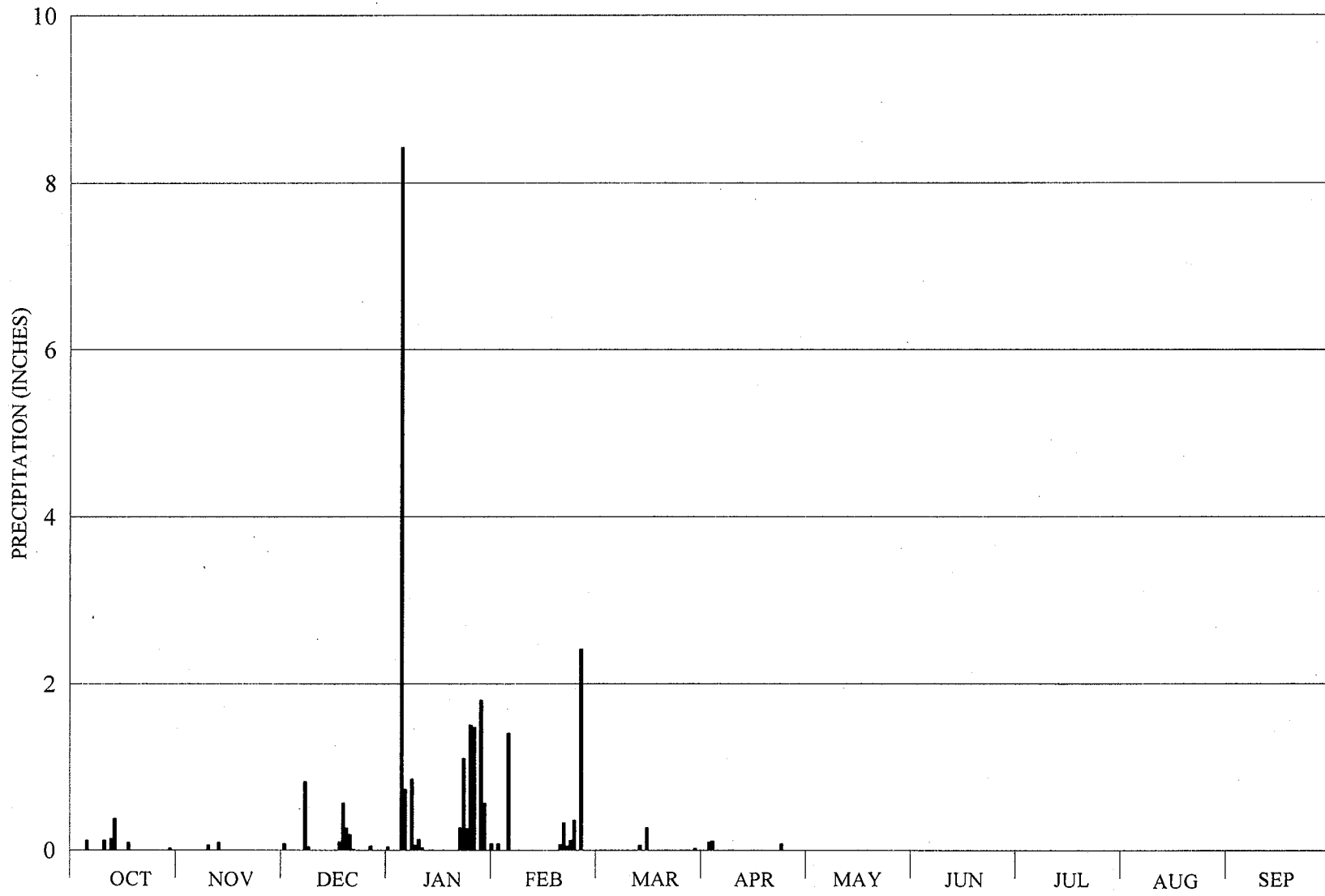
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						T						
2	T	0.02						0.03				
3		0.01										
4		0.03		0.31				0.05				
5	0.16											
6				0.01								
7												
8			0.24		0.06	T						
9			0.27									
10					0.58							
11		0.13	1.81				0.07					
12			0.12		0.56		0.01					
13		0.01	0.02		0.32							
14		0.43					0.01					
15			0.02									
16	0.02						0.34					
17				0.34								
18			0.03				0.05					
19												
20						0.24	0.43					0.02
21						0.05						
22			0.45		0.62							0.44
23					0.32		0.28					
24										T		
25												
26				0.15	0.66							
27		0.31	1.07	0.16	0.75	0.58						
28		0.06			0.42	T						
29				0.10								T
30												
31												
Total	0.18	1.00	4.03	1.07	4.29	0.87	1.19	0.08	0.00	0.00	0.00	0.46

Season Total: 13.17 Inches

Note: Rainfall recorded on day of measuring.

FIGURE A-9

LOS PADRES RESERVOIR DAILY RAINFALL
WATER YEAR 2008



Note: Monthly tick marks are approximate.

**TABLE A-9 MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
Precipitation Record**

Station: Los Padres Reservoir

County: Monterey

Observer: California-American Water Company

Record obtained from: California-American Water Company, Monterey District

Daily Precipitation in Inches - Season of 2007-2008

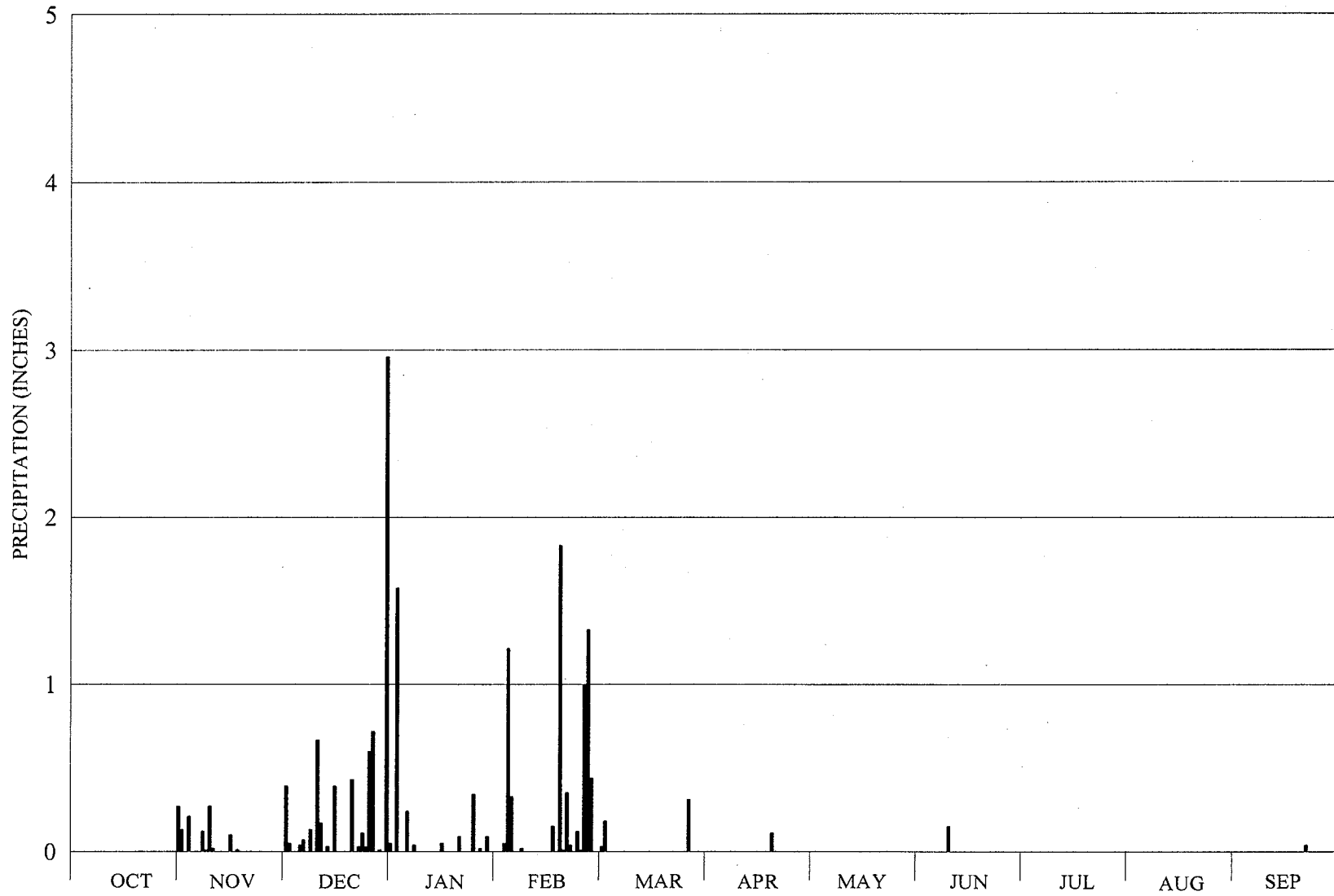
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			0.08		0.08							
2							0.10					
3							0.11					
4				8.43	1.40							
5	0.12			0.73								
6												
7			0.82	0.85								
8			0.04	0.06								
9		0.06		0.13								
10	0.12			0.03								
11				T								
12	0.14	0.09										
13	0.38					0.06						
14						T						
15						0.27						
16												
17	0.09		0.10									
18			0.57									
19			0.27		0.07							
20			0.19		0.33							
21			0.01	0.27	0.05							
22				1.10	0.12							
23				0.26	0.36		0.08					
24				1.50								
25				1.47	2.42							
26			0.05	T								
27				1.80								
28			T	0.57								
29	0.02			T		0.02						
30				0.08								
31			0.04			T						
Total	0.87	0.15	2.17	17.28	4.83	0.35	0.29	0.00	0.00	0.00	0.00	0.00

Season Total: 25.94 Inches

Note: Rainfall recorded on day of measuring.

FIGURE A-10

SAN CLEMENTE RESERVOIR DAILY RAINFALL
WATER YEAR 2004



Note: Monthly tick marks are approximate.

**TABLE A-10 MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
Precipitation Record**

Station: San Clemente Reservoir

County: Monterey

Observer: California-American Water Company

Record obtained from: California-American Water Company, Monterey District

Daily Precipitation in Inches - Season of 2003-2004

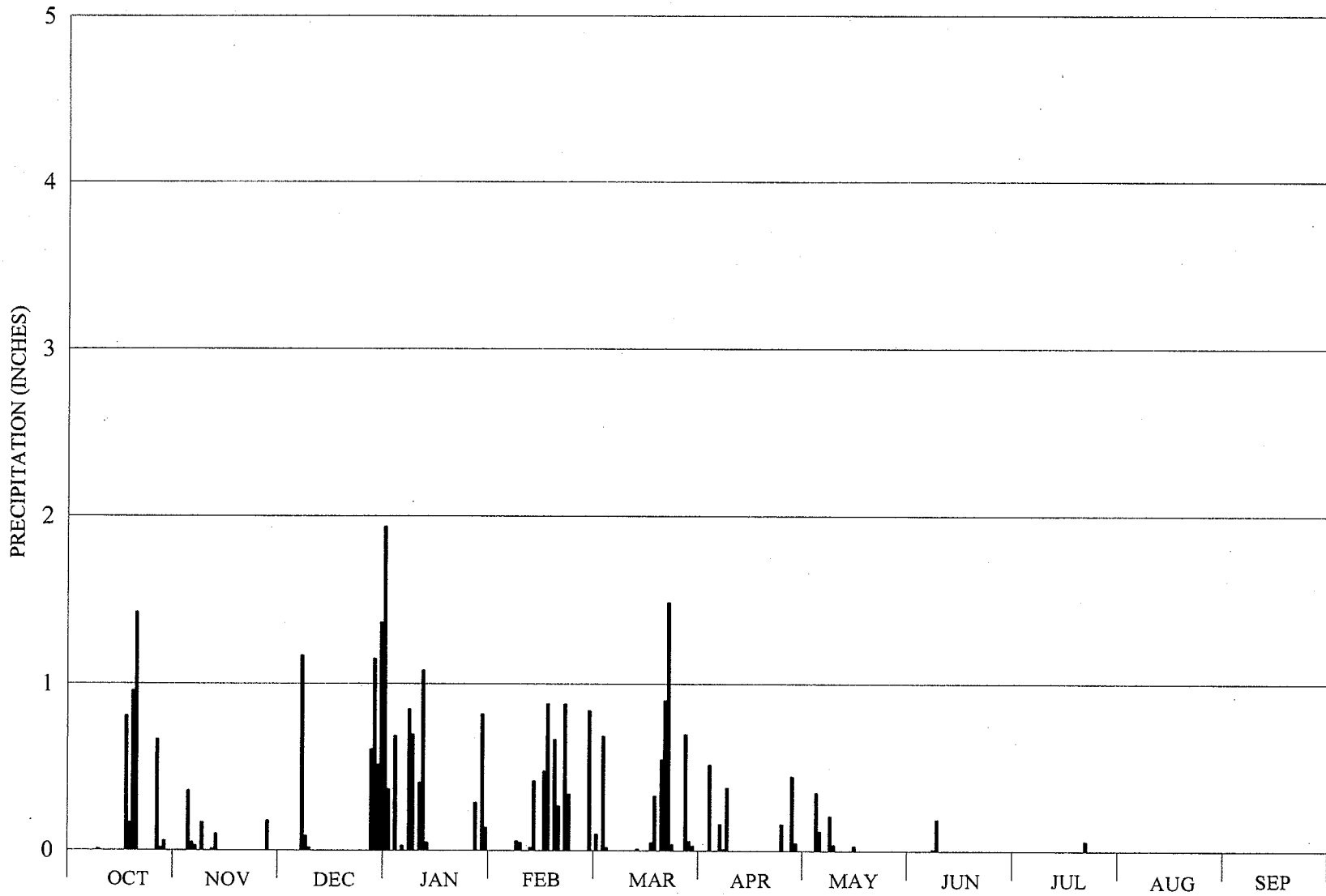
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		0.13	0.39			0.03						
2			0.05	1.57	0.05	0.18						
3		0.21	T		1.21							
4		T			0.33							
5			0.04	0.24	T							
6			0.07									
7		0.12		0.04	0.02							
8		0.01	0.13									
9		0.27							0.15			
10		0.02	0.67									
11			0.17									
12												
13			0.03									
14												
15		0.10	0.39	0.05								
16			T	T	0.15							
17		0.01			T							
18					1.83							
19					0.01		0.11					
20			0.43	0.09	0.35							0.04
21					0.04							
22			0.03									
23			0.11		0.12							
24			0.03	0.34	0.01							
25			0.60		1.00							
26		T	0.72	0.02	1.32	0.31						
27					0.44							
28			0.01	0.09								
29			T	T								
30			2.96	T								
31	0.27		0.05									
Total	0.27	0.87	6.88	2.44	6.88	0.52	0.11	0.00	0.15	0.00	0.00	0.04

Season Total: 18.16 Inches

Note: Rainfall recorded on day of measuring.

FIGURE A-11

SAN CLEMENTE RESERVOIR DAILY RAINFALL
WATER YEAR 2005



Note: Monthly tick marks are approximate.

**TABLE A-11 MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
Precipitation Record**

Station: San Clemente Reservoir

County: Monterey

Observer: California-American Water Company

Record obtained from: California-American Water Company, Monterey District

Daily Precipitation in Inches - Season of 2004-2005

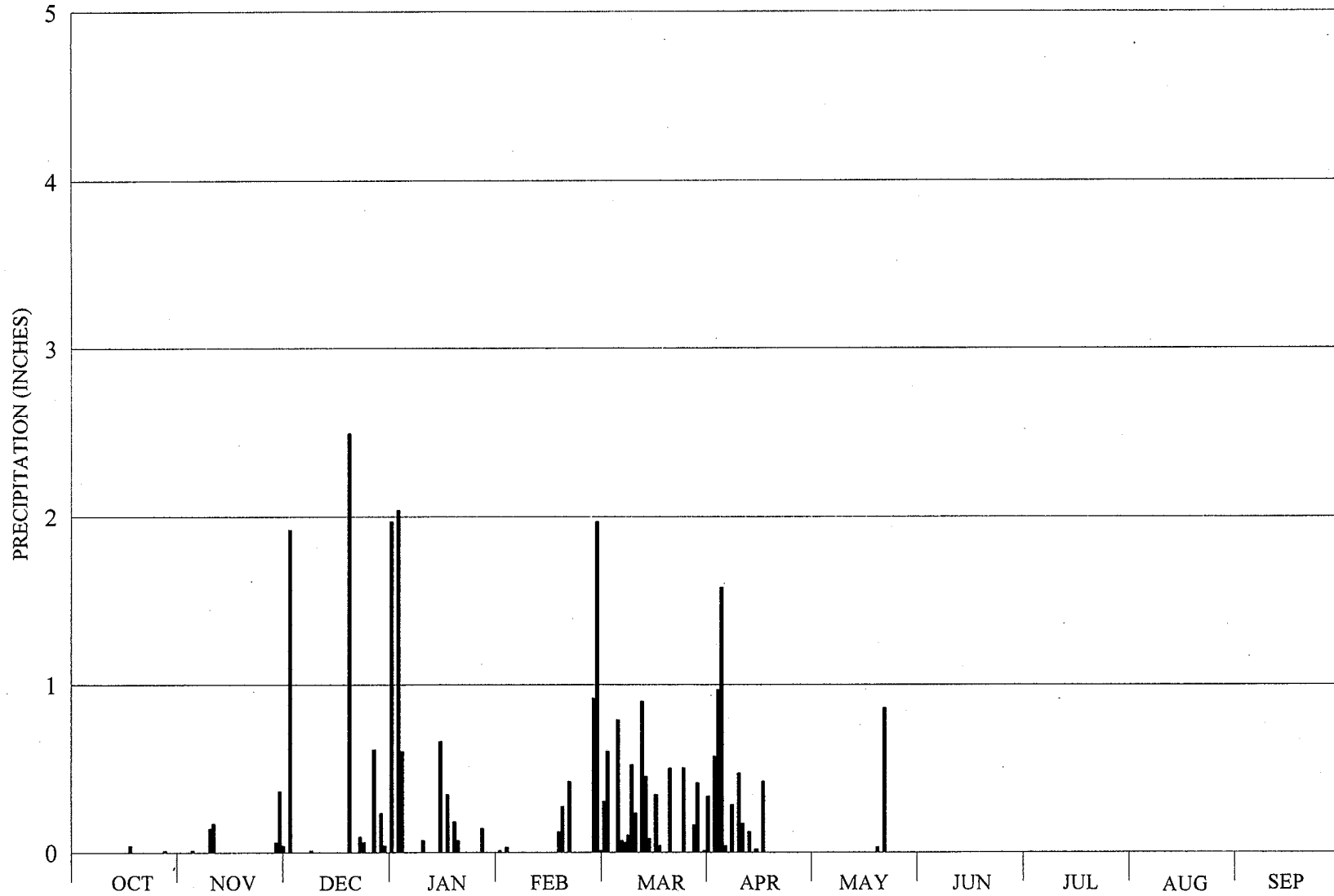
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				0.37								
2						0.10						
3		T		0.69								
4		0.36				0.69	0.52					
5		0.05		0.03		0.02		0.35				
6		0.03	T					0.12				
7			1.17	0.85	0.06		0.16					
8		0.17	0.09	0.70	0.05		0.01		0.01			
9	0.01		0.02				0.38	0.21	0.19			
10		T		0.41				0.04				
11		0.01		1.08	0.02		T					
12		0.10		0.05	0.42							
13												
14						0.01						
15					0.48							
16					0.88			0.03				
17	0.81											
18	0.17				0.67	0.05						
19	0.96				0.27	0.33						
20	1.43											
21	T				0.88	0.55						
22					0.34	0.90				0.06		
23						1.49						
24						0.04						
25	T						0.16					
26	0.67			0.29								
27	0.02	0.18	0.61									
28	0.06		1.15	0.82	0.84	0.70	0.45					
29			0.52	0.14		0.06	0.05					
30			1.37			0.03						
31			1.94									
Total	4.13	0.90	6.87	5.43	4.91	4.97	1.73	0.75	0.20	0.06	0.00	0.00

Season Total: 29.95 Inches

Note: Rainfall recorded on day of measuring.

FIGURE A-12

SAN CLEMENTE RESERVOIR DAILY RAINFALL
WATER YEAR 2006



Note: Monthly tick marks are approximate.

**TABLE A-12 MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
Precipitation Record**

Station: San Clemente Reservoir

County: Monterey

Observer: California-American Water Company

Record obtained from: California-American Water Company, Monterey District

Daily Precipitation in Inches - Season of 2005-2006

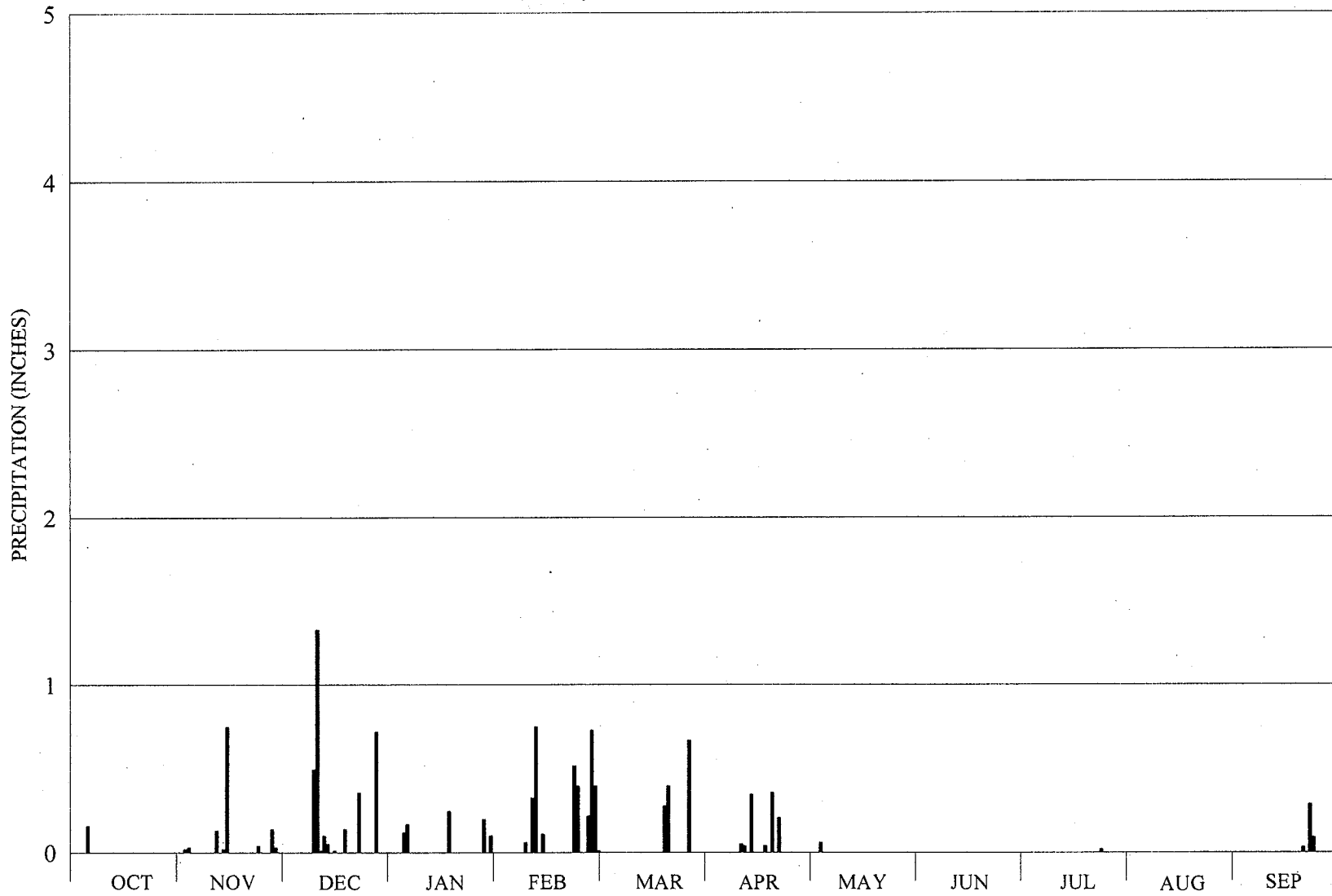
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						0.01	0.33					
2			1.92	2.04	0.03	0.30						
3				0.60		0.60	0.57					
4		0.01			T		0.97					
5							1.58					
6						0.79	0.04					
7		T				0.07						
8		T	0.01			0.06	0.28					
9		0.14		0.07		0.10						
10		0.17				0.52	0.47					
11						0.23	0.17					
12							T		T			
13						0.90	0.12		T			
14				0.66		0.45	T					
15					T	0.08	0.02					
16				0.34								
17	0.04				0.12	0.34	0.42					
18				0.18	0.27	0.04						
19			2.50	0.07								
20			T		0.42			0.03				
21						0.50						
22			0.09			T		0.86				
23			0.06									
24												
25						0.50	T					
26			0.61	0.14			T					
27	0.01		T		0.92							
28		0.06	0.23		1.97	0.16						
29		0.36	0.04			0.41						
30		0.04										
31			1.97	0.01		0.01						
Total	0.05	0.78	7.43	4.11	3.73	6.07	4.97	0.89	0.00	0.00	0.00	0.00

Season Total: 28.03 Inches

Note: Rainfall recorded on day of measuring.

FIGURE A-13

SAN CLEMENTE RESERVOIR DAILY RAINFALL
WATER YEAR 2007



Note: Monthly tick marks are approximate.

**TABLE A-13 MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
Precipitation Record**

Station: San Clemente Reservoir

County: Monterey

Observer: California-American Water Company

Record obtained from: California-American Water Company, Monterey District

Daily Precipitation in Inches - Season of 2006-2007

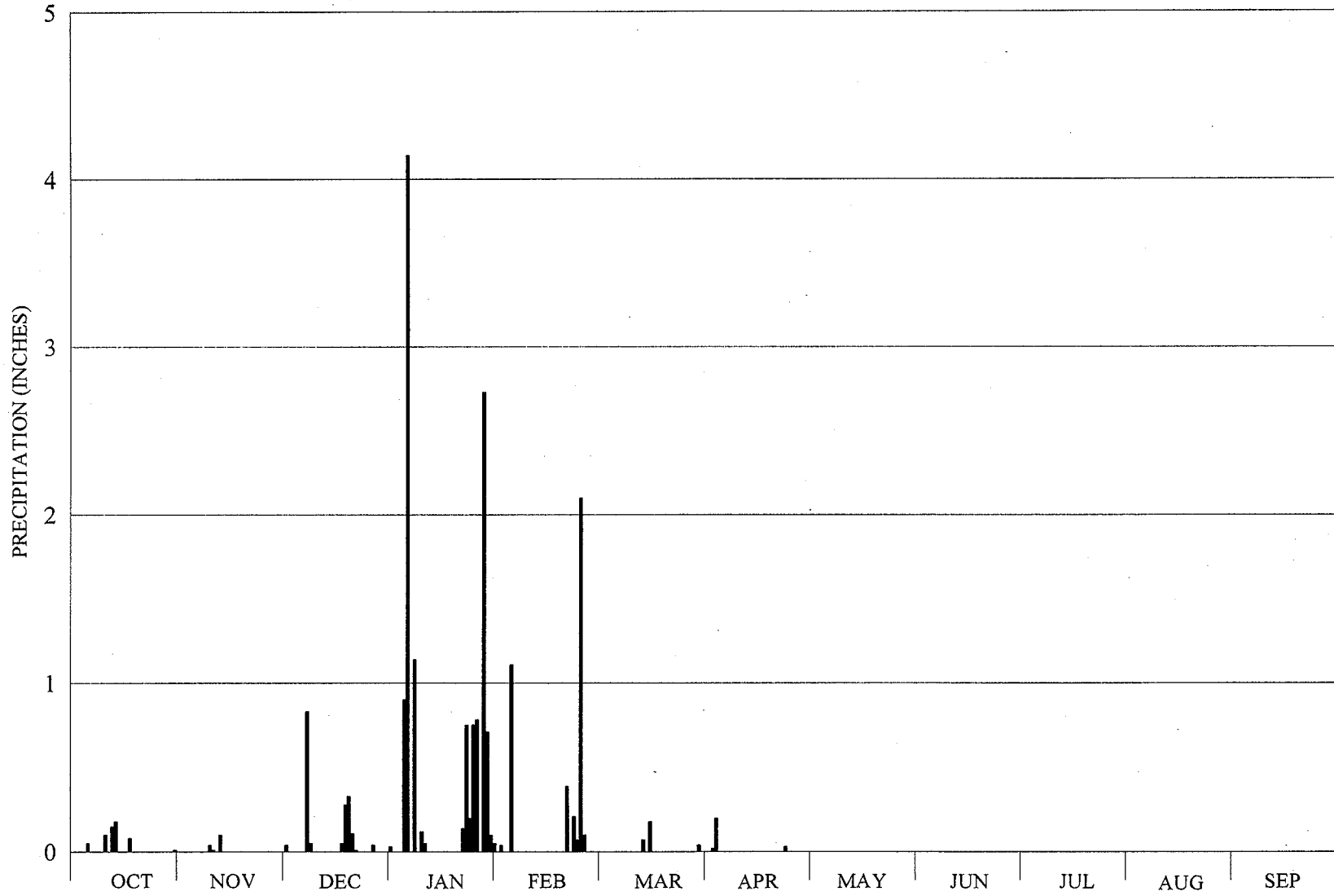
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						0.01						
2	T	0.02										
3		0.03										
4				0.12				0.06				
5	0.16			0.17								
6												
7												
8					0.06							
9			0.50									
10			1.33		0.33							
11		0.13	0.01		0.75		0.05					
12			0.10				0.04					
13		0.02	0.05		0.11							
14		0.75					0.35					
15			0.01									
16	T											
17	T			0.25								
18			0.14				0.04					
19												
20						0.28	0.36					0.03
21						0.40						
22			0.36		0.52		0.21					0.29
23		0.04			0.40							0.09
24										0.02		
25												
26					0.22							
27		0.14	0.72	0.20	0.73	0.67						
28		0.03			0.40							
29				0.10								0.01
30												
31												
Total	0.16	1.16	3.22	0.84	3.52	1.36	1.05	0.06	0.00	0.02	0.00	0.42

Season Total: 11.81 Inches

Note: Rainfall recorded on day of measuring.

FIGURE A-14

SAN CLEMENTE RESERVOIR DAILY RAINFALL
WATER YEAR 2008



Note: Monthly tick marks are approximate.

**TABLE A-14 MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
Precipitation Record**

Station: San Clemente Reservoir

County: Monterey

Observer: California-American Water Company

Record obtained from: California-American Water Company, Monterey District

Daily Precipitation in Inches - Season of 2007-2008

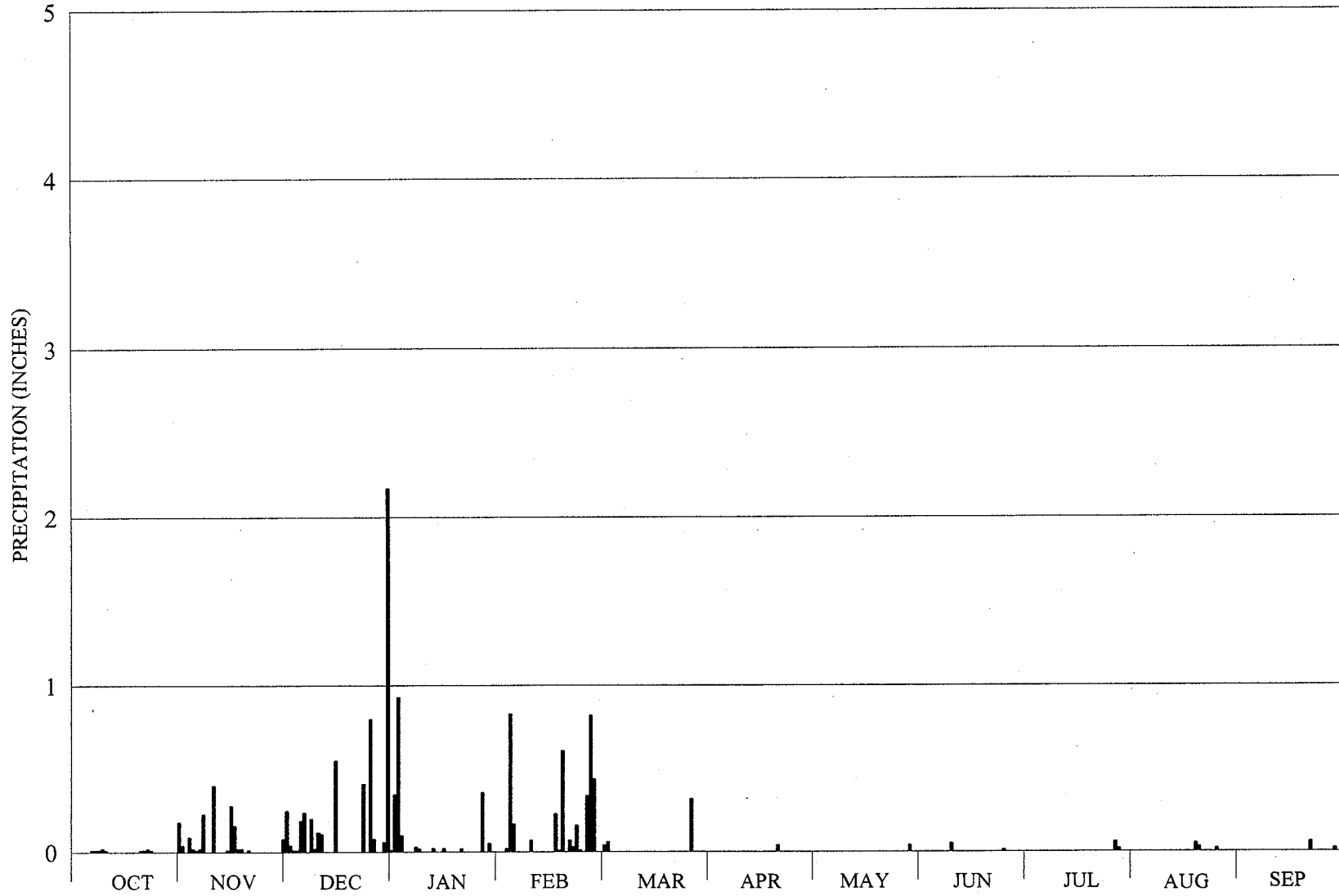
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			0.04		0.04							
2							0.02					
3							0.20					
4				0.90	1.11							
5	0.05			4.14								
6												
7			0.83	1.14								
8			0.05									
9		0.04		0.12								
10	0.10	0.01		0.05								
11												
12	0.15	0.10										
13	0.18					0.07						
14						T						
15						0.18						
16												
17	0.08		0.05									
18			0.28									
19			0.33									
20			0.11		0.39							
21			0.01	0.14	T							
22				0.75	0.21							
23				0.20	0.07		0.03					
24				0.75	2.10							
25				0.78	0.10							
26			0.04									
27				2.73								
28			T	0.71								
29				0.10		0.04						
30	0.01			0.05								
31			0.03			T						
Total	0.57	0.15	1.77	12.56	4.02	0.29	0.25	0.00	0.00	0.00	0.00	0.00

Season Total: 19.61 Inches

Note: Rainfall recorded on day of measuring.

FIGURE A-15

PACIFIC GROVE RESERVOIR DAILY RAINFALL
WATER YEAR 2004



Note: Monthly tick marks are approximate.

**TABLE A-15 MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
Precipitation Record**

Station: Pacific Grove Reservoir

County: Monterey

Observer: California-American Water Company

Record obtained from: California-American Water Company, Monterey District

Daily Precipitation in Inches - Season of 2003-2004

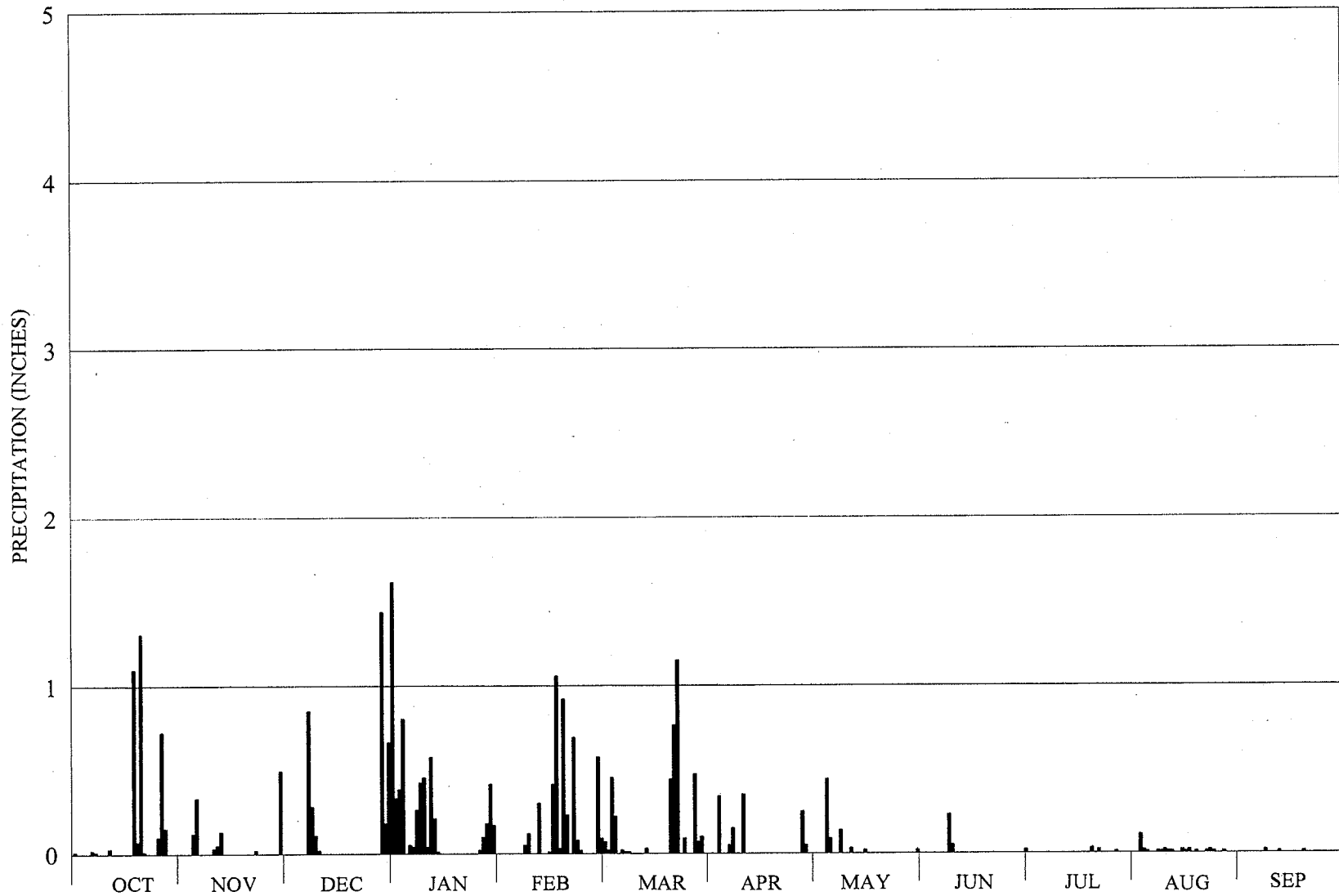
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		0.04	0.25	0.35		0.04						
2			0.04	0.93	0.02	0.06						
3		0.09	0.01	0.10	0.83							
4		0.02	0.01		0.17	T					T	
5		0.01	0.19								T	
6	0.01	0.02	0.24	T						T		
7	0.01	0.23		0.03								
8	0.01		0.20	0.02								
9	0.02		0.02		0.07				0.05			
10	0.01	0.40	0.12									
11		T	0.11								T	
12		T		0.02		T					T	
13	T											
14		0.01										
15	T	0.28	0.55	0.02								
16	T	0.16			0.23							
17		0.02			0.01							
18		0.02			0.61						0.05	
19		T					T				0.03	
20	0.01	0.01		0.02	0.07		0.04				T	0.06
21	0.01				0.03							
22	0.02				0.16					T		
23	0.01		0.41		0.01					T		
24	T								0.01		0.02	
25			0.80		0.34							
26			0.08	0.36	0.82	0.32				0.06		
27					0.44					0.02		0.02
28				0.05				0.04				
29			0.06									
30		0.08	2.17							T		0.04
31	0.18		0.01			T						
Total	0.29	1.39	5.27	1.90	3.81	0.42	0.04	0.04	0.06	0.08	0.10	0.12

Season Total: 13.52 Inches

Note: Rainfall recorded on day of measuring.

FIGURE A-16

PACIFIC GROVE RESERVOIR DAILY RAINFALL
WATER YEAR 2005



Note: Monthly tick marks are approximate.

**TABLE A-16 MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
Precipitation Record**

Station: Pacific Grove Reservoir

County: Monterey

Observer: California-American Water Company

Record obtained from: California-American Water Company, Monterey District

Daily Precipitation in Inches - Season of 2004-2005

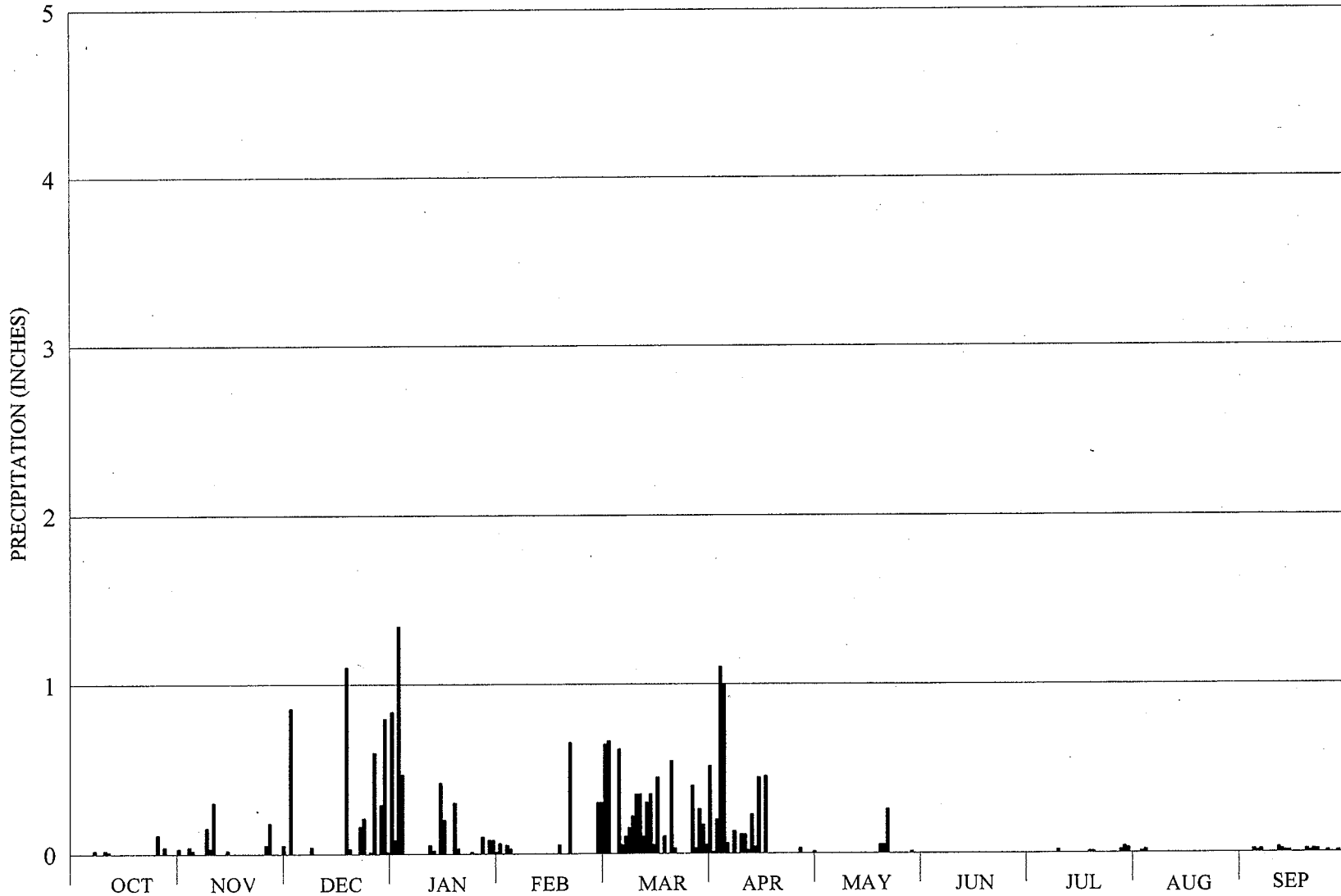
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.01			0.33	T	0.09				0.02	T	
2				0.38		0.07					T	
3				0.80	T	0.02					0.11	
4		0.12				0.45	0.34				0.02	
5		0.33		0.05		0.22		0.44			0.01	
6	0.02			0.04				0.09				
7	0.01		0.85	0.26	0.05	0.02	0.05					
8		T	0.28	0.42	0.12	0.01	0.15				0.01	0.02
9		T	0.11	0.45	T	0.01		0.14	0.23		0.01	
10		0.03	0.02	0.04		T			0.05		0.02	
11	0.03	0.05		0.57	0.30	T	0.35				0.01	
12		0.13		0.21				0.03			0.01	0.01
13				0.01								
14					0.01	0.03						
15					0.41	T					0.02	
16					1.06	T		0.02			0.01	
17				T	0.03	T					0.02	
18	1.10			T	0.92							
19	0.07			T	0.23						0.01	0.01
20	1.31			T						0.03		
21	0.01			T	0.69	0.44						
22		0.02			0.08	0.76				0.02	0.01	
23					0.02	1.15					0.02	
24				T							0.01	
25	0.10			0.02		0.09						
26	0.72			0.10								
27	0.15			0.18						0.01	0.01	
28			1.44	0.41	0.57	0.47	0.25					
29		0.49	0.18	0.17		0.07	0.05					
30			0.66	T		0.10						
31			1.62					0.02				
Total	3.53	1.17	5.16	4.44	4.49	4.00	1.19	0.74	0.28	0.08	0.31	0.04

Season Total: 25.43 Inches

Note: Rainfall recorded on day of measuring.

FIGURE A-17

PACIFIC GROVE RESERVOIR DAILY RAINFALL
WATER YEAR 2006



Note: Monthly tick marks are approximate.

**TABLE A-17 MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
Precipitation Record**

Station: Pacific Grove Reservoir

County: Monterey

Observer: California-American Water Company

Record obtained from: California-American Water Company, Monterey District

Daily Precipitation in Inches - Season of 2005-2006

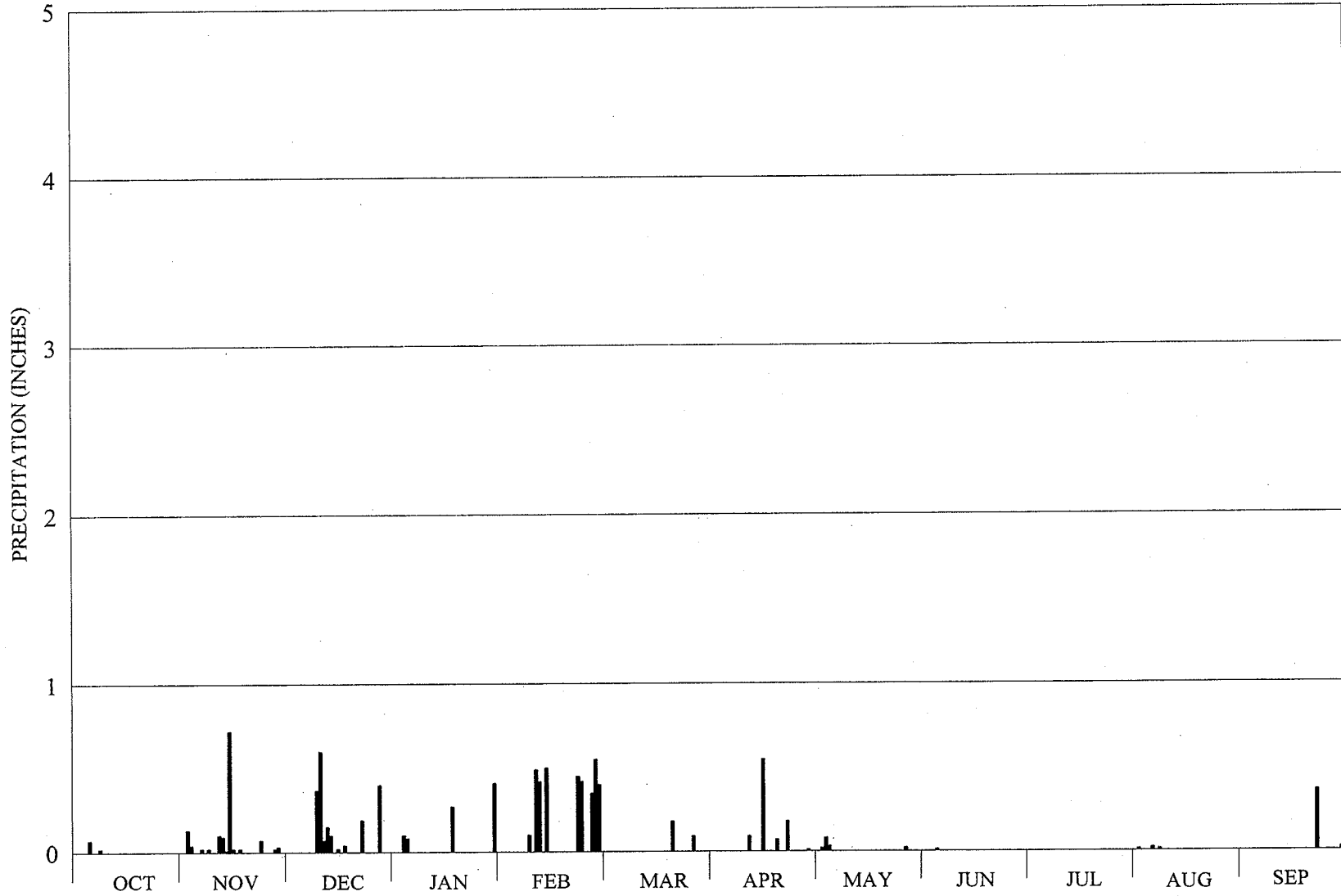
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				0.08		0.30	0.52	0.01				
2			0.86	1.34	0.05	0.65	0.01					
3		0.04		0.47	0.03	0.67	0.20				0.01	
4		0.02					1.10				0.02	0.02
5							1.00					0.01
6						0.62	0.06					0.02
7	0.02					0.05						
8		0.15	0.04			0.10	0.13					
9		0.03				0.15						
10	0.02	0.30				0.22	0.11			0.02		
11	0.01			0.05		0.35	0.11					0.03
12				0.02		0.35	0.02					0.02
13						0.10	0.23					0.01
14		0.02		0.42		0.30	0.04					0.01
15				0.20		0.35	0.45					
16						0.05						
17					0.05	0.45	0.46					
18			1.10	0.30								
19	T		0.03	0.03		0.10				0.01		0.02
20	T		T		0.66			0.05		0.01		0.01
21	T		T			0.55		0.05				0.02
22			0.16			0.03		0.26				0.02
23			0.21	0.01								
24	T											
25	0.11	0.05	0.01									0.01
26		0.18	0.60	0.10								
27	0.04					0.40	0.03					
28			0.29	0.08	0.30	0.03				0.02		0.01
29			0.80	0.08		0.26		0.01		0.04		
30		0.05	0.01	0.01		0.17				0.03		
31	0.03		0.84	0.06		0.05						
Total	0.23	0.84	4.95	3.25	1.09	6.30	4.47	0.38	0.00	0.13	0.03	0.21

Season Total: 21.88 Inches

Note: Rainfall recorded on day of measuring.

FIGURE A-18

PACIFIC GROVE RESERVOIR DAILY RAINFALL
WATER YEAR 2007



Note: Monthly tick marks are approximate.

**TABLE A-18 MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
Precipitation Record**

Station: Pacific Grove Reservoir

County: Monterey

Observer: California-American Water Company

Record obtained from: California-American Water Company, Monterey District

Daily Precipitation in Inches - Season of 2006-2007

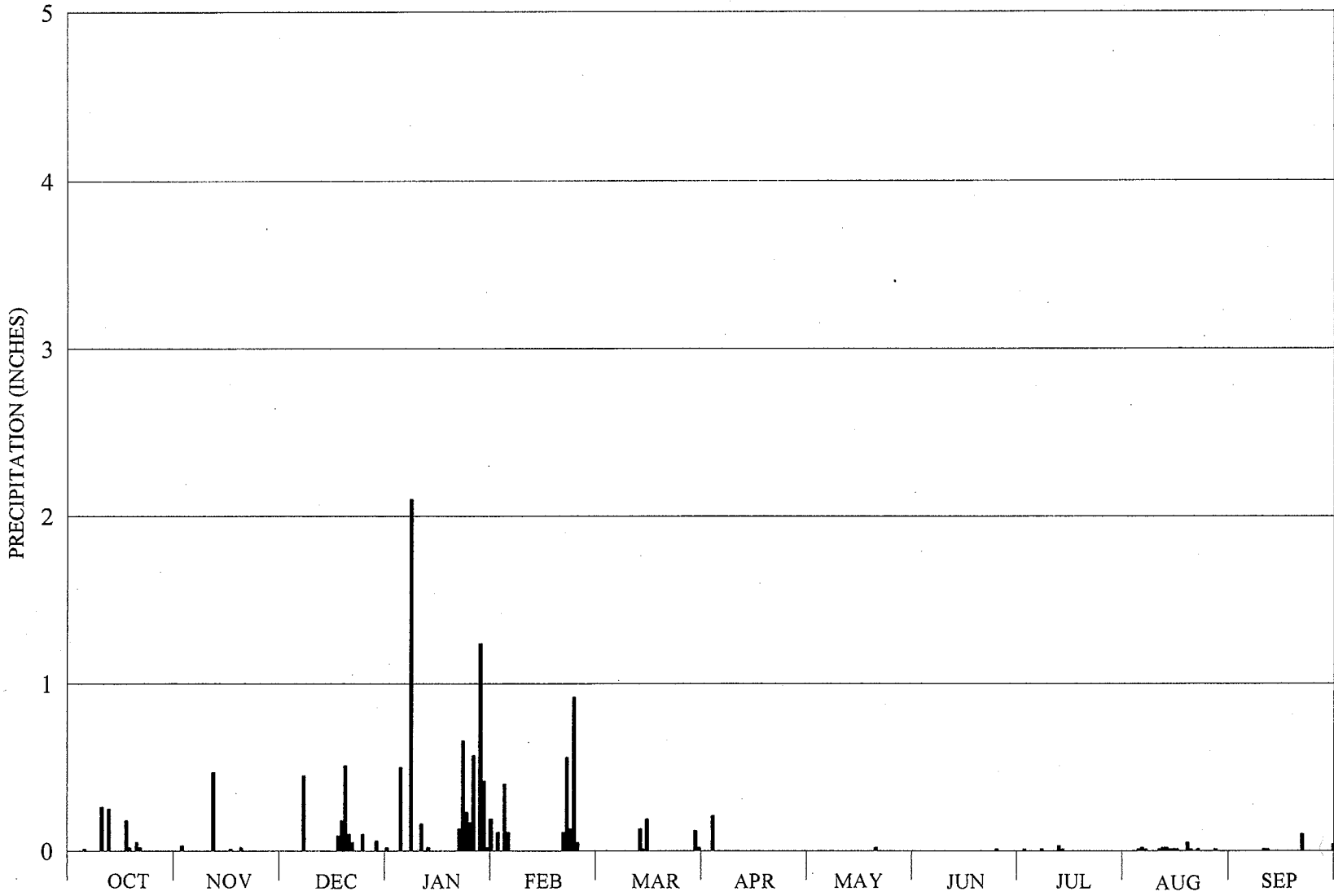
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2		0.13		T		T	T		T		0.01	
3		0.04		0.10				0.02	T			
4				0.08				0.08	T			
5	0.07							0.03	0.01			
6		0.02					T				0.02	
7		T					T					
8	0.02	0.02			0.10						0.01	
9		T	0.37		T	T		T				
10			0.60		0.49		T					
11		0.10	0.07		0.42		T					
12		0.09	0.15		T		0.09					
13		0.01	0.10		0.50		T		T			
14		0.72	T		T	T						
15		0.02	0.02		T	T						
16		T	T		T		0.55					
17		0.02	0.04	0.27							T	
18			T				T					
19					T		T					
20		T					0.07					
21		T			T	0.18						
22		T	0.19	T	0.45	T		T				0.36
23		0.07			0.42		0.18					
24							T					T
25							T		T	T		
26		T			0.35		T				T	
27		0.02	0.40		0.55	0.09	T	0.02				
28		0.03	T		0.40			T				
29				0.41			0.01			T		0.02
30				T		T				T		
31						T				T		
Total	0.09	1.29	1.94	0.86	3.68	0.27	0.90	0.15	0.01	0.00	0.04	0.38

Season Total: 9.61 Inches

Note: Rainfall recorded on day of measuring.

FIGURE A-19

PACIFIC GROVE RESERVOIR DAILY RAINFALL
WATER YEAR 2008



Note: Monthly tick marks are approximate.

**TABLE A-19 MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
Precipitation Record**

Station: Pacific Grove Reservoir

County: Monterey

Observer: California-American Water Company

Record obtained from: California-American Water Company, Monterey District

Daily Precipitation in Inches - Season of 2007-2008

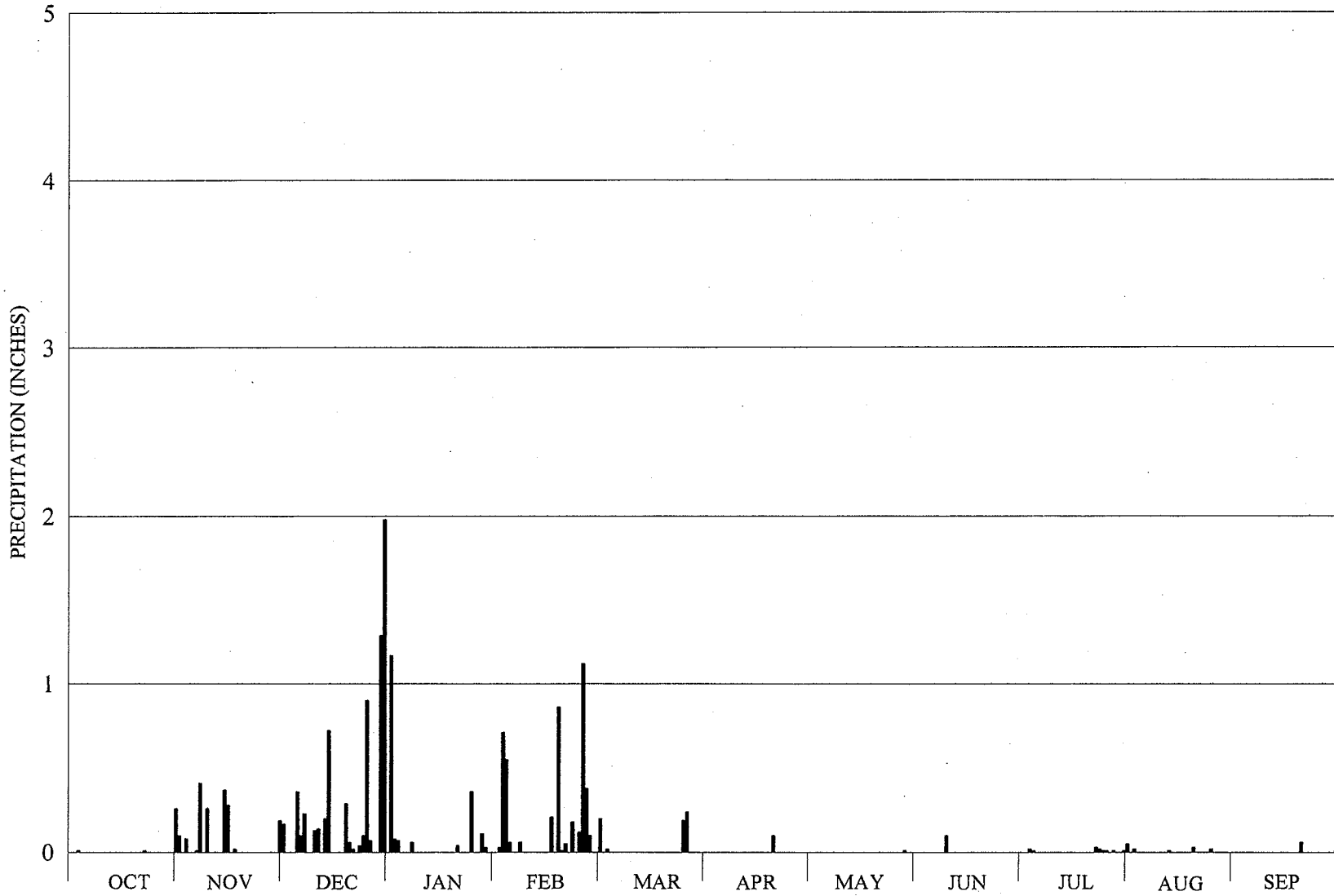
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		T	T		0.11							
2		0.03								0.01		
3					0.40		0.21					
4				0.50	0.11						0.01	
5	0.01									T	0.02	
6										T	0.01	
7			0.45	2.10						0.01		
8												
9												0.01
10	0.26			0.16							0.01	0.01
11		0.47	T								0.02	
12	0.25			0.02						0.03	0.02	
13		T				0.13				0.01	0.01	
14		T				0.01					0.01	
15						0.19					0.01	
16		0.01										
17	0.18		0.09									
18	0.02		0.18								0.05	
19		0.02	0.51					T			0.01	
20	0.05		0.10		0.11			0.02				0.10
21	0.02		0.05	0.13	0.56						0.01	T
22				0.66	0.13							
23				0.23	0.92					T		
24			0.10	0.17	0.05				0.01			
25				0.57								
26	T										0.01	
27	T			1.24						T		
28	T		0.06	0.42								
29				0.02		0.12						0.04
30	T			0.19		0.02						0.01
31			0.02									
Total	0.79	0.53	1.56	6.41	2.39	0.47	0.21	0.02	0.01	0.06	0.20	0.17

Season Total: 12.82 Inches

Note: Rainfall recorded on day of measuring.

FIGURE A-20

**MONTEREY DAILY RAINFALL
WATER YEAR 2004**



Note: Monthly tick marks are approximate.

**TABLE A-20 MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
Precipitation Record**

Station: Monterey

County: Monterey

Observer: Robert J. Renard

**Record obtained from: National Weather Service Climate Station, elevation 385 feet,
located in the western hilly section of Monterey, CA.**

Daily Precipitation in Inches - Season of 2003-2004

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		0.10	0.17	1.17	0.03	0.20				T		
2				0.08	0.71	T					0.02	
3	0.01	0.08		0.07	0.55	0.02				0.02		
4			T		0.06					0.01	T	
5			0.36									
6		0.01	0.10	T						T		
7	T	0.41	0.23	0.06	0.06							
8	T	T					T		T			
9		0.26	T						0.10		T	
10			0.13									
11			0.14				T					
12				T							0.01	
13		T	0.20		T							
14		0.37	0.72	T								
15		0.28										
16					0.21							T
17		0.02			T				T			
18					0.86		T				T	
19			0.29	T	0.01		T				0.03	0.06
20			0.06	0.04	0.05		0.10	T				
21			0.02		T							
22	0.01				0.18					0.03		
23	T		0.04							0.02	T	
24			0.10	0.36	0.12					0.01	0.02	
25			0.90		1.12	0.19				0.01		
26			0.07	T	0.38	0.24				T		
27				0.11	0.10					0.01		
28		T		0.03				0.01				
29	T	T	1.29									0.01
30		0.19	1.98	T		T				0.01		0.05
31	0.26		T							0.05		
Total	0.28	1.72	6.80	1.92	4.44	0.65	0.10	0.01	0.10	0.17	0.08	0.12

Season Total: 16.39 Inches

Note: Rainfall recorded at 1800 hours PST on day of measuring.

**TABLE A-21 MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
Precipitation Record**

Station: Monterey

County: Monterey

Observer: Robert J. Renard

**Record obtained from: National Weather Service Climate Station, elevation 385 feet,
located in the western hilly section of Monterey, CA.**

Daily Precipitation in Inches - Season of 2004-2005

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				0.31								
2				0.78		0.11						
3	0.01	0.12		0.50		0.02						
4		0.23		0.01		0.83	0.45	0.05				
5		0.04		0.22				0.45		T		
6	T							0.16		0.01		
7		T	1.07	0.47	0.27		0.28					
8		0.01	0.35	0.70			0.36	0.06	T		T	
9	0.02	T	0.07	0.43			0.12	0.07	0.31			
10		0.05		0.05								
11		0.21		1.00	0.07					T		
12		0.01	T		0.31	0.01						
13			T		T	0.03						T
14					0.03	T						0.01
15					1.19			T		T		T
16					0.25			0.02	0.02			
17	0.73				0.11				T			
18	0.68				0.75	0.10				T		
19	1.05				0.60	0.16				0.01		
20	0.66				0.11	T						
21					0.56	0.39				0.01		
22					0.02	2.19						
23	0.01					0.06	0.40		T			
24	0.14					0.04						
25				T								
26	0.87		T	0.30					0.02			
27		0.47	1.51		0.06	T	0.03					
28			0.38	0.44	0.59	0.51	0.36		0.01			
29			0.16	0.05		0.13						
30			2.40									
31			1.31									
Total	4.17	1.14	7.25	5.26	4.92	4.58	2.00	0.81	0.36	0.03	0.00	0.01

Season Total: 30.53 Inches

Note: Rainfall recorded at 1800 hours PST on day of measuring.

**TABLE A-22 MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
Precipitation Record**

Station: Monterey

County: Monterey

Observer: Robert J. Renard

**Record obtained from: National Weather Service Climate Station, elevation 385 feet,
located in the western hilly section of Monterey, CA.**

Daily Precipitation in Inches - Season of 2005-2006

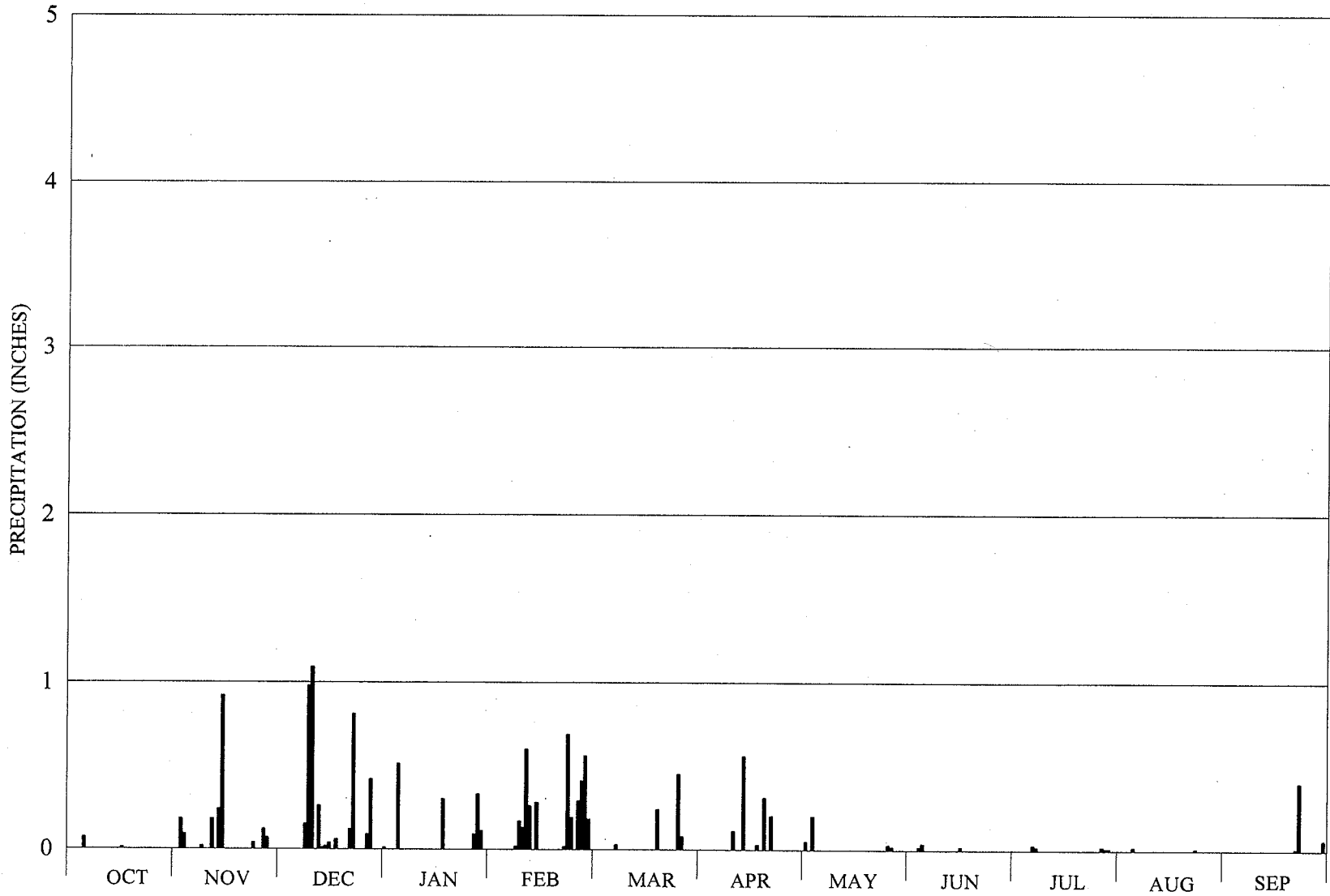
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			0.56	0.30	T	0.23	0.03					
2		T	0.56	1.59	0.11	0.55	0.08			T		
3				T	T	1.14	0.41					
4		0.03		T	T	0.01	1.60				T	
5							0.40					
6						0.50						
7		T		0.25		0.11	0.13					
8		0.16	0.05									0.01
9		0.30				0.13	0.06		T			T
10		T				0.45	T		T	T		
11				0.02		0.37	0.12					
12						0.49	0.19					
13							0.05					
14	T			0.57		0.62	0.30					0.01
15	0.12			0.07	T	0.15	0.18			0.01		
16							0.38					
17			T		0.04	0.94	0.01					
18			1.25	0.25	0.21			T				
19			0.01	0.03	0.34			0.06				
20						0.43						
21	T		0.01	T		0.44	T	0.36				
22	T		0.34				T	0.02				
23	T		0.07									
24	0.01										T	
25	0.02	0.45	0.03			0.65	T				T	
26	0.02		0.63	0.13	0.27		0.02				T	
27	0.01		T	0.01	0.38	0.03	T			T		
28			0.47	T	0.25	0.22				0.01		
29	0.02	0.53		0.29		0.29	0.02		T	0.02		
30		0.02	0.01	0.13		T				0.03	T	
31			1.15	0.01		0.46						
Total	0.20	1.49	5.14	3.65	1.60	8.21	3.98	0.44	0.00	0.07	0.00	0.02

Season Total: 24.80 Inches

Note: Rainfall recorded at 1800 hours PST on day of measuring.

FIGURE A-23

MONTEREY DAILY RAINFALL
WATER YEAR 2007



Note: Monthly tick marks are approximate.

**TABLE A-23 MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
Precipitation Record**

Station: Monterey

County: Monterey

Observer: Robert J. Renard

**Record obtained from: National Weather Service Climate Station, elevation 385 feet,
located in the western hilly section of Monterey, CA.**

Daily Precipitation in Inches - Season of 2006-2007

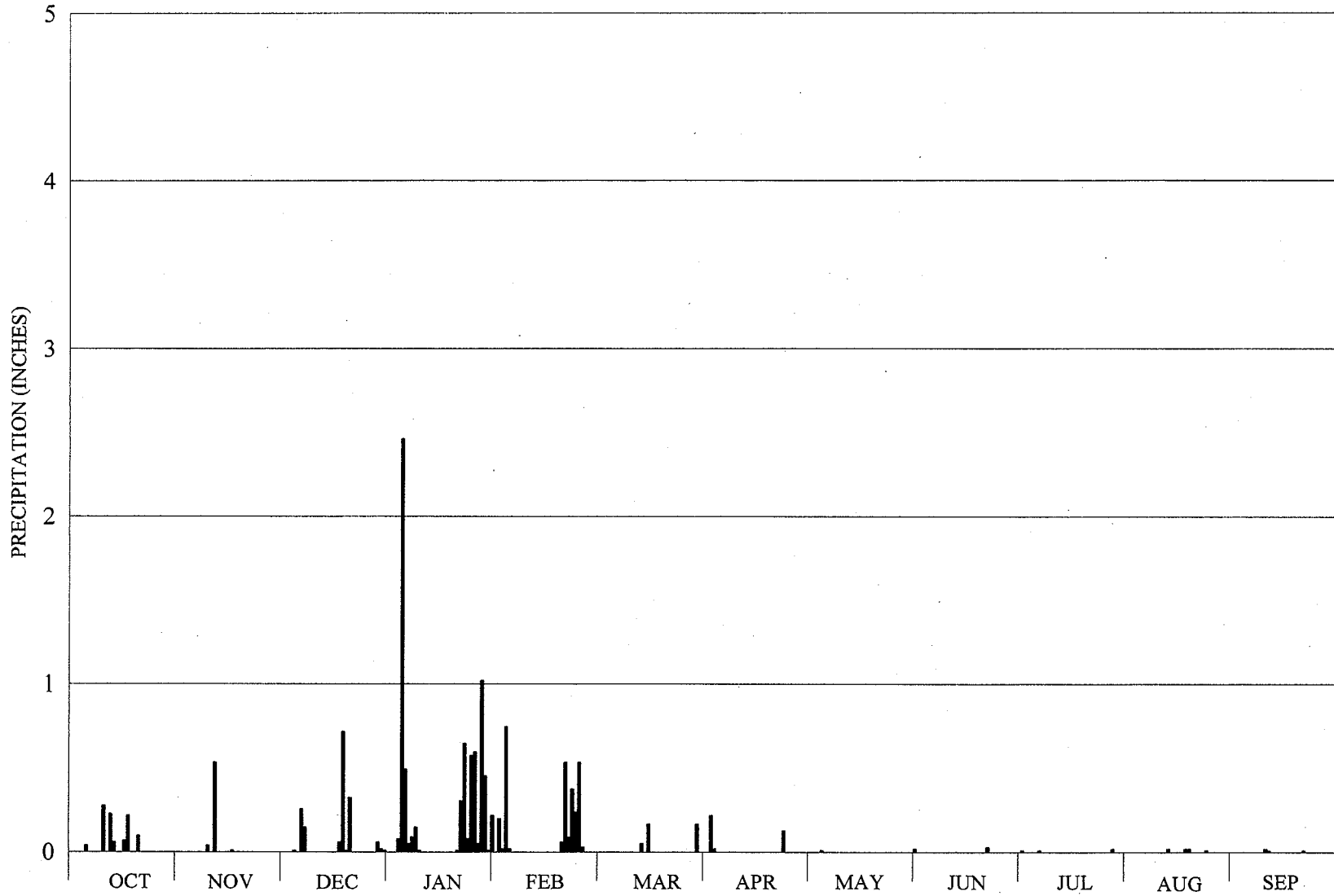
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	T	T							T		T	
2		0.18						0.05	T		T	
3		0.09										
4	T			0.51				0.20	0.02			
5	0.07								0.04	T	0.02	
6							T			T		
7					0.02		T			0.03		
8		0.02	0.15		0.17	0.03				0.02		
9			0.98		0.13		T	T				
10			1.09		0.60					T		
11		0.18	T		0.26		0.11					
12			0.26									T
13		0.24	0.01		0.28							
14	T	0.92	0.02				0.56			T		
15			0.04					T				
16	0.01								0.02			
17			0.06	0.30		T						
18						T	0.03			T		
19						T			T			
20						0.24	0.31					T
21			0.12		0.02	T	T					0.01
22			0.81		0.69		0.20					0.40
23		0.04			0.19						0.01	
24					T	T					T	
25					0.29			T		T		
26		0.12	0.09	0.09	0.41	0.45		0.03		T		
27		0.07	0.42	0.33	0.56	0.08		0.02		0.02		
28				0.11	0.18					0.01		
29				T			T			0.01		0.06
30											T	
31			0.01							T		
Total	0.08	1.86	4.06	1.34	3.80	0.80	1.21	0.30	0.08	0.09	0.03	0.47

Season Total: 14.12 Inches

Note: Rainfall recorded at 1800 hours PST on day of measuring.

FIGURE A-24

MONTEREY DAILY RAINFALL
WATER YEAR 2008



Note: Monthly tick marks are approximate.

**TABLE A-24 MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
Precipitation Record**

Station: Monterey

County: Monterey

Observer: Robert J. Renard

**Record obtained from: National Weather Service Climate Station, elevation 385 feet,
located in the western hilly section of Monterey, CA.**

Daily Precipitation in Inches - Season of 2007-2008

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		T	T		0.20					0.01		
2		T	T		0.02		0.22					
3				0.08	0.75		0.02					
4			0.01	2.46	0.02			0.01				
5	0.04			0.50								
6			0.26	0.05						0.01	T	
7			0.15	0.09							T	
8				0.15			T					
9		0.04		0.01								0.02
10	0.28	T		T								0.01
11		0.54								T		
12	0.23									T	0.02	
13	0.06					0.05						
14						T						
15	T	T				0.17						
16	0.07	0.01										
17	0.22		0.06								0.02	
18		T	0.72								0.02	
19			0.01		0.06							
20	0.10		0.33	0.01	0.54							0.01
21				0.31	0.09				0.03			
22				0.65	0.38		T					
23				0.08	0.24		0.13				0.01	
24				0.58	0.54							
25				0.60	0.03				T			
26				0.05								
27				1.02						0.02		
28			0.06	0.46	T	T						
29	T		0.02	0.01		0.17						T
30			0.01	0.22		T					T	
31				T				0.02				
Total	1.00	0.59	1.63	7.33	2.87	0.39	0.37	0.03	0.03	0.04	0.07	0.04

Season Total: 14.39 Inches

Note: Rainfall recorded at 1800 hours PST on day of measuring.

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER BASIN

**SURFACE WATER RESOURCES DATA REPORT
WATER YEARS 2004 - 2008**

APPENDIX B

STATION DESCRIPTIONS

**DESCRIPTION OF GAGING STATION ON
CARMEL RIVER ABOVE LOS PADRES RESERVOIR**

Location - Immediately upstream of Los Padres Reservoir and downstream of the Carmel River/Danish Creek confluence.

Establishment - Streamflow measuring station established Sept. 25, 1985 by G. Matthews.

Drainage area - 44.8 sq. mi. (drainage area at Los Padres Dam).

Gage - Gage heights are obtained at Los Padres Spillway and are reservoir elevations. No staff gage exists at measuring site.

History - Beginning in Sept. 1985, MPWMD has obtained "dry season" monthly discharge measurements at this site to define the inflow to Los Padres Reservoir, which provides a basis for scheduling of reservoir operations at Los Padres and San Clemente Dams. In August 2001, MPWMD installed a Campbell Scientific CR10X data recorder/pressure transducer system (range 1023.5 ft.-spill) at the Los Padres Dam (LPD) Spillway abutment (left). On Nov. 15, 2005, a replacement 30 PSI pressure transducer was installed at LPD at approx. elev. 1003 ft. to record full range of reservoir levels. Cellular based telecommunications hardware added to CR10X Sept. 14, 2007.

California American Water (CAW) maintains a water level (graphic) recorder at Los Padres Reservoir (range 1038 ft.-spill.

Reference and benchmarks - Reservoir elevations are based on National Geodetic Vertical Datum (NGVD) of 1929.

Channel - Channel along measuring reach is composed primarily of cobble.

Control -

Discharge measurements - Obtained downstream of Danish Creek by wading. At flows above 100 cfs (i.e. during Winter flows), discharge measurements normally are not collected.

Floods -

Point of zero flow -

Winter flow - No ice.

Regulation - None

Diversion - None

Accuracy - Discharge measurements are fair to good.

Cooperation -

DESCRIPTION OF GAGING STATION ON LOS PADRES RESERVOIR

Location – Gage located on top of left (facing downstream) spillway abutment at Los Padres Dam or river mile 24.8.

Establishment – MPWMD installed continuous recording stage gage Aug. 28, 2001. California American Water continues to maintain a water level (graphic) recorder at Los Padres Reservoir, date of establishment unknown.

Drainage area - 44.8 sq. mi. (drainage area at Los Padres Dam).

Gage – Campbell Scientific (CS) CR10X data recorder linked to Druck 30 psi pressure transducer (PT). Staff gage readings are obtained at Los Padres Spillway left abutment or at staggered staff plate mounts in reservoir upstream of spillway. Spillway crest elevation is approx. 1040 ft. (NGVD 1929).

History - In August 2001, MPWMD installed a Campbell Scientific CR10X data recorder/pressure transducer system (approx. range 1023.5 ft.-spill) at the Los Padres Dam (LPD) Spillway abutment (left). On Nov. 15, 2005, a replacement 30 PSI pressure transducer was installed at LPD at approx. elev. 1003 ft. to record full range of reservoir levels. Cellular based telecommunications hardware added to CR10X Sept. 14, 2007.

California American Water (CAW) maintains a water level (graphic) recorder at Los Padres Reservoir (range 1038 ft.-spill).

Monterey County Water Resources Agency (MCWRA) maintains a flood warning stage sensor and tipping bucket raingage. All gages above located in steel shelters at top of left spillway abutment.

Reference and benchmarks – Benchmark at west end Los Padres Dam, next to utility shack, inside monitor well, top of square bolt, elevation 1,059.29 ft. (NGVD 1929), elev. from Base Line Land Surveys, Monterey, CA. Reservoir elevations are based on National Geodetic Vertical Datum (NGVD) of 1929.

Channel –

Control -

Discharge measurements –

Floods -

Point of zero flow -

Winter flow - No ice.

Regulation – Reservoir level drawn down during dry season to enhance instream flows downstream of reservoir.

Diversion - None

Accuracy –

Cooperation -

**DESCRIPTION OF GAGING STATION ON
CARMEL RIVER BELOW LOS PADRES RESERVOIR**

Location - Below Los Padres Reservoir, approximately 100' downstream of the fish ladder.

Establishment - Staff gage station established Nov. 20, 1996 by G. W. James. Re-established as a recording station .
October 26, 2001 by G.W. James.

Drainage area - 44.8 sq. mi. (drainage area at Los Padres Dam).

Gage - Campbell Scientific CR510 data recorder linked to Druck 5 psi pressure transducer. Gage housing consists of steel recorder shelter with two-inch galvanized pipe used as conduit and intake. Enameled staff gage ranges from 3.33 to 6.66 ft. Cellular based telecommunications hardware added to CR510 in August 2007.

History - Staff gage installed to improve reservoir outflow estimates, particularly during periods when reservoir is not spilling. Recording equipment installed to obtain continuous record of reservoir outflow. California American Water (CAW) records daily staff gage readings at this site. CAW and MPWMD maintain water level recorders at Los Padres Reservoir.

Reference and benchmarks - Staff gage is only datum reference (gage datum).

Channel - Channel along measuring reach is composed primarily of boulders.

Control - Boulder riffle approximately 40 ft. downstream of gage.

Discharge measurements - Obtained between the gage and 800 ft. downstream by wading. High flows above maximum wading stage (approx. 200 cfs) are estimated using the Los Padres Spillway rating table.

Floods -

Point of zero flow - 2.7 ft., gage datum. Varies due to scour and fill at control.

Winter flow - No ice.

Regulation - Flows regulated at Los Padres Dam immediately upstream of gage site.

Diversion - None

Accuracy - Discharge measurements are fair.

Cooperation -

DESCRIPTION OF GAGING STATION ON CACHAGUA CREEK

Location - 50 feet upstream (right bank) of Nason Rd. Bridge in Princes Camp, Cachagua.

Establishment - Staff gage station established Dec. 30, 1981 by G. Matthews. Re-established as a recording station Oct. 24, 1991 by G. W. James.

Drainage area - 46.3 sq. mi.

Gage - Campbell Scientific (CS) CR510 data recorder linked to Druck 5 psi pressure transducer. Gage housing consists of a steel recorder shelter supported by 3-inch galvanized pipe. Two-inch pipe (conduit) runs approx. 40 ft. down right bank to active channel. Two enameled staff gages on the right bank along conduit range from 6.66 - 10.0 ft (upper), and 1.96-4.56 ft (lower, installed Dec. 22, 2000).

History - No other gages have been operated on this stream. This station, previously located on a bridge support at the Nason Rd. Bridge, was non-recording until Water Year 1992 when an Environmental Monitoring Systems (ENMOS) recorder and pressure transducer system was installed. Two subsequent recorder upgrades/replacements include the installation of a CS BDR-320, and a CS CR510 on Oct. 13, 1994, and Nov. 9, 1999, respectively. The gage was inundated and destroyed during the March 10, 1995 flood when the creek flowed over the bridge and through the community of Princes Camp. The gage was re-activated/located approx. 50 ft. upstream of the former site Apr. 28, 1995, and a new arbitrary gage datum was established (current datum + 2.2 ft. = old datum).

Reference and benchmarks - Two inch galvanized coupler at base of recorder shelter riser is elevation 11.20 ft gage datum. Steel T-post at the upper orifice at elevation 6.30 ft. (top of post) was established Feb. 13, 1998. Top of lower staff gage post (4X6 redwood) is elevation 4.59 ft. surveyed Dec. 22, 2000.

Channel - One channel to stage 8 ft. (approximately) at which point creek flows over bank and becomes braided. Channel bed is composed of poorly sorted alluvial material.

Control - Low and medium stage control is gravel/cobble riffle approx. 20 ft. downstream from gage. Channel control at high flows.

Discharge measurements - Low and medium stage measurements are made by wading within 300 ft. upstream or downstream of the gage. High flow measurements are taken from the Nason Bridge, or the bridge on Cachagua Rd. 3/4 miles upstream of the gaging station, or are determined by the slope area method. Maximum wading flow is approximately 200 cfs.

Floods - Flood of March 10, 1995 reached a stage of 9.8 ft., gage datum as indicated by high water marks (HWM) surveyed at the gage. Flood of February 3, 1998 reached a stage of 9.7 ft. as indicated by HWM at the gage.

Point of zero flow - 2.2 ft., gage datum. Varies due to scour and fill at control.

Winter flow - No ice.

Regulation - None

Diversion - Dry season flows affected by numerous small diversions for domestic and agricultural use.

Accuracy - Computed flows above 200 cfs are fair to poor due to un-favorable high flow measuring conditions at the bridges. Bridge piers, downstream of gage in channel, snag debris at high flows which can affect accuracy of record computation during periods of high flow.

Cooperation -

DESCRIPTION OF GAGING STATION ON PINE CREEK

Location - 565 feet upstream of the Pine Creek/Carmel River confluence, or approximately one mile downstream of Syndicate Camp, Cachagua, along the Carmel River.

Establishment - Staff gage station established February 1987 by G. Matthews. Re-established as a recording station Sept. 19, 1991 by G. W. James.

Drainage area - 7.8 sq. mi.

Gage - Campbell Scientific (CS) CR510 data recorder linked to Druck 5 psi pressure transducer. Gage housing consists of a steel recorder shelter with two-inch galvanized pipe used as conduit and intake.

Enameled staff gage ranges from 0.00 to 3.33 ft. Replacement crest stage gage (pvc) installed Feb. 4, 1999, pin elev.=0.60 ft. Gage datum adjusted Sept. 19, 2000, new pin elev.=1.60 ft.

History - No other gages have been operated on this stream. Station was non-recording until Water Year 1992 when an Environmental Monitoring Systems (ENMOS) recorder and pressure transducer was installed. Two subsequent recorder upgrades/replacements include the installation of a CS BDR-320, and a CS CR510 on July 6, 1994, and Nov. 5, 1999, respectively. Gage datum changed by 1.00 ft. on Sept. 19, 2000 as GHTs were negative at low flows (current datum - 1.00 ft. = old datum)

Reference and benchmarks - Staff gage is only datum reference (gage datum).

Channel - One channel at all stages. Channel is straight for approximately 100 ft. upstream and 200 ft downstream from gage. Banks are steep and are covered with light to moderate vegetation. Streambed is composed primarily of boulders and large cobble.

Control - Low and medium stage control is boulder riffle 3 ft. downstream from gage. Channel control at high flows.

Discharge measurements - Low and medium stage measurements are made by wading within 300 ft. upstream or downstream of the gage. Gage is inaccessible at high flows and measurements are obtained by the slope-area method.

Floods - Flood of February 3, 1998 reached a stage of 4.29 ft., gage datum as indicated by the recorder. Flood of March 10, 1995 reached a stage of 4.10 ft. as indicated by crest stage gage and recorder. These floods at the current datum are 5.29 (1998) and 5.10 (1995) due to the Sept. 19, 2000 gage datum reset.

Point of zero flow - 0.80 ft., gage datum. Varies due to scour and fill at control.

Winter flow - No ice.

Regulation - None

Diversion - None

Accuracy - Stage discharge relationship is fairly stable and shifts during extreme flow events. Leafy build-up during Fall months results in backwater at gage, first significant storm flow eliminates build-up. Records of stage are fair and measuring conditions are fair. High flows are defined by the slope-area method and computed records above 100 cfs are considered poor.

Cooperation -

DESCRIPTION OF GAGING STATION ON SAN CLEMENTE CREEK

Location - Approximately one quarter mile upstream of San Clemente Reservoir.

Establishment - Staff gage station established November 23, 1981 by G. Matthews. Re-established as a recording station Sept. 19, 1991 by G. W. James.

Drainage area - 15.6 sq. mi.

Gage - Campbell Scientific (CS) CR510 data recorder linked to Druck 5 psi pressure transducer. Gage housing consists of steel recorder shelter supported by 3-inch galvanized pipe. Two-inch pipe (conduit) runs approx. 30 ft. down left bank to active channel. A low flow enameled staff gage is located at the right bank. Two enameled staff gages staggered along left bank installed Nov. 28, 2000, ranges: 1.30-3.34 ft. (lower), 3.34-5.08 ft. (upper).

History - No other gages have been operated on this stream. This station was non-recording until Water Year 1992 when an Environmental Monitoring Systems (ENMOS) recorder and pressure transducer system was installed. Two subsequent recorder upgrades/replacements include the installation of a CS BDR-320, and a CS CR510 on Sept. 25, 1992, and Oct. 26, 1999, respectively. On Dec. 5, 1991 gage datum was permanently changed by lowering the staff gage 1.50 ft. This was done to prevent negative stage readings which occurred at low flows at the previous datum.

Reference and benchmarks - The top of the 3-inch galvanized 'T' at the base of the recorder shelter riser is elevation 8.06 ft. gage datum (surveyed Nov. 28, 2000). Following the February 1998 floods, two re-bar reference points were established to determine gage height. RP1 at upper orifice is elev. 3.95 ft, and RP2 at lower orifice is elev. 1.78 ft. gage datum. RP1 was removed upon Nov. 28, 2000 staff gage installation.

Channel - One channel at all stages. Right bank is steep and rocky, left bank is gently sloping with moderate vegetal cover. Channel bed is composed of boulder and cobble.

Control - Low and medium stage control is a cobble riffle approx. 80 ft. downstream from gage. Channel control at high flows.

Discharge measurements - Low and medium stage measurements are normally made by wading 300 to 500 ft. upstream of the gage. High flow measurements obtained by the slope area method as there is no high flow measuring facility. Maximum wading flow is approx. 250 cfs at upstream margin of San Clemente Reservoir (alluvial section), or approx. 130 cfs at site 300' upstream of gage.

Floods - Flood of February 3, 1998 reached a stage of 9.38 ft. gage datum as indicated by high water marks (HWM) at the gage. Floods on January 9, 1995 and March 10, 1995 reached stages of 7.92 ft., and 7.82 ft. respectively, based on HWM.

Point of zero flow - Approx. 1.00 ft., gage datum. Varies due to scour and fill at control.

Winter flow - No ice.

Regulation - Streamflow affected by diversion to storage and flow bypass requirements at several seasonal dams/lakes upstream. Water is stored/released at these lakes during the spring/fall, respectively.

Diversion - Diversion to storage at seasonal dams and numerous small diversions for domestic and riparian uses.

Accuracy - Stage records are fair to good. High flows are defined by the slope-area method and computed records above 250 cfs are considered poor.

Cooperation -

DESCRIPTION OF GAGING STATION ON SAN CLEMENTE RESERVOIR

Location – Gage located at left (facing downstream) side of San Clemente Dam on upstream side of dam or river mile 18.6.

Establishment – MPWMD installed continuous recording stage gage November 2, 2000. California American Water continues to maintain a water level (graphic) recorder at San Clemente Dam, date of establishment unknown.

Drainage area – 125 sq. mi.

Gage – Campbell Scientific (CS) CR510 data recorder linked to Druck 15 psi pressure transducer (PT) accessed via land line/modem system. Data recorder also logs fish counts at the fish ladder via a switch closure mechanism. Staff gage readings are obtained at left side dam at fish ladder entrance. Spillway crest elevation is approx. 525 ft. (NGVD 1929).

History – San Clemente Dam constructed in 1921. Prior to August 1996 flashboards (spillway gates) were raised to increase dry season storage (elev. 537 ft. with flashboards in). Spillway gates permanently lowered August 1996. Surface water diversions ceased in June 2003. Six holes or ports drilled through the left side of dam used to drawdown the dry season reservoir level to elev. 515 feet became active June 2003. Ports drilled to improve seismic safety.

Reference and benchmarks – Three brass tablets are imbedded in the catwalk at east, west and mid spillway locations. Following information stamped on tablets: west: “station 1 radius 131 feet”, mid spill: “station 15 axis line”, east: “station 29 radius 131 feet”. No elevations stamped on tablets.

Channel –

Control -

Discharge measurements –

Floods – Flood of March 10, 1995 flowed over the top of the spillway superstructure (catwalk) elevation 537 feet largely due to heavy debris loading upstream of the dam.

Point of zero flow -

Winter flow - No ice.

Regulation – Reservoir level drawn down to elevation 515 feet during dry season to improve seismic safety.

Diversion – No surface diversions from reservoir since May 2003.

Accuracy – Stage records are fair.

Cooperation -

**DESCRIPTION OF GAGING STATION ON
CARMEL RIVER AT SLEEPY HOLLOW WEIR**

Location – Approximately one mile downstream of San Clemente Dam.

Establishment - Weir installed June 1988 by California American Water (CAW). Established as a continuous recording station Oct. 1, 1989 by MPWMD.

Drainage area - 126 sq. mi.

Gage – Campbell Scientific (CS) CR10X data recorder linked to Druck 5 psi pressure transducer (PT). Gage housing consists of steel recorder shelter at top of right bank (RB) at Cal-Am diversion pipeline with inch and a quarter galvanized pipe used as conduit and intake. PT conduit attached to diversion pipeline runs toward channel and down RB stanchion to river. Station includes landline/modem system for remote access to data. Stevens Type-F water level recorder/float system housed in a 24-inch CMP shelter (stilling well) maintained as back-up system. Enameled staff gage at stilling well ranges from 0.00 - 6.66 ft.

History – Initial stage recording equipment included a Stevens Type-F water level recorder/float system housed in a 24-inch CMP shelter. The existing data recorder and modem were installed Jan. 10, 2002. Water level recorder operated at San Clemente Dam (SCD) by CAW measures and records level of San Clemente Reservoir. MPWMD installed CR510 data recorder/PT system at SCD Nov. 2, 2000 that includes landline/modem system for remote access to reservoir stage data. Water level recorder operated at Old Carmel Dam 3/4 miles upstream of the weir operated by CAW and MPWMD was discontinued October 1991.

Reference and benchmarks - Low point in V-notch of weir is elevation 0.00 gage datum.

Channel - One channel at all stages. Right bank is steep and rocky, left bank is gently sloping with moderate to heavy vegetal cover. Channel bed is composed of boulder and cobble.

Control - Broad Crested V-notch weir located approx. 40 ft. downstream gage. V-notch is designed to pass 5 cfs of flow when full, rectangular notch above V-notch is designed to pass 16 cfs when full.

Discharge measurements - Low and medium discharge measurements are normally made by wading 200 ft. upstream of the gage. Maximum wading stage is approx. 3.5 ft. gage datum. High-end wading measurements usually taken 100 ft. downstream of the Sleepy Hollow Steelhead Rearing Facility tailworks.

Purpose of gaging station is to monitor low flow releases from San Clemente Dam, therefore flow measurements above wading stage are not obtained.

Floods - Gage not intended to measure flood flows.

Point of zero flow - 0.00 ft., gage datum (i.e. bottom of V-notch)

Winter flow - No ice.

Regulation - Flows regulated at Los Padres Dam seven miles upstream, and at San Clemente Dam one mile upstream of gage.

Diversion - Surface diversion from San Clemente Dam one mile upstream ceased May 2003.

Accuracy - Stage records are good. Computed flows are fair to good.

Cooperation - Weir installation was a cooperative effort between CAW, MPWMD and California Department Fish and Game, in order to accurately comply with release schedules established by these three agencies. MPWMD operates and maintains the gage.

DESCRIPTION OF GAGING STATION ON TULARCITOS CREEK

Location - Beneath bridge at San Clemente Drive, Carmel Valley, or approximately one half mile upstream from the Carmel River/Tularcitos Creek confluence.

Establishment - Staff gage station established Jan. 8, 1982 by G. Matthews. Re-established as a recording station Oct. 8, 1991 by G. W. James.

Drainage area - 56.3 sq. mi.

Gage - Stevens Type-F water level recorder/float system housed inside 1/8-inch steel recorder shelter attached to 12-inch CMP stilling well. Access door at base of well for silt removal. Two enameled staff gages at well attached to right bridge abutment range from 2.20 - 6.60 ft.

History - No other gages have been operated on this stream. This station was non-recording until Water Year 1992 when an Environmental Monitoring Systems (ENMOS) recorder and pressure transducer system was installed. This system was upgraded and replaced with the existing float gage (stilling well) Aug. 18, 1992, and the former installation, also located at the right bank was removed.

Prior to the flood of March 10, 1995, a remnant bridge pier (5 ft. high by 15 ft. long by 18 in. wide) split high flows at the gage. Following this flood, the pier fell over at the gage site and created single channel flow at the gage.

Reference and benchmarks - Staff gage is only datum reference (gage datum).

Channel - One channel at all stages. Right bank is vertical concrete bridge abutment, left bank moderately slopes to left concrete bridge abutment. Prior to March 10, 1995, channel at gage was split by mid-channel bridge pier at high flows. Channel bed is composed of mud and sand and remnant bridge pier that was deposited horizontally at gage.

Control - Low and medium stage control is a riffle approx. 30 ft. downstream from gage, affected by seasonal aquatic vegetation growth. High flow control is channel.

Discharge measurements - Low and medium stage measurements are normally made by wading 300 ft. upstream of the gage, or at the gage. High flow measurements are taken from the downstream side of the bridge at the gage, or by the slope area method. Maximum wading stage is 5.5 ft. gage datum, or 130 cfs.

Floods - Flood of February 7, 1998 reached a stage 10.77 ft. based on survey of high water marks (HWM) at the gage. Flood of March 10, 1995 reached a stage of 9.94 based on HWM and recorded stage.

Point of zero flow - Approx. 3.0 ft., gage datum. Varies due to scour and fill at control.

Winter flow - No ice.

Regulation -

Diversion - Ground water production wells upstream of gage.

Accuracy - Stage records are good. Computed flows are fair to good.

Cooperation -

DESCRIPTION OF GAGING STATION ON HITCHCOCK CREEK

Location - One quarter mile southwest along Esquiline Road, Carmel Valley at second foot bridge crossing creek, or approximately 250 ft. upstream from the Carmel River/Hitchcock Creek confluence.

Establishment - Staff gage station established Apr. 2, 1986 by T. Lindberg. Re-established as a recording station Oct. 17, 1991 by G. W. James.

Drainage area - 4.6 sq. mi.

Gage - Campbell Scientific (CS) CR510 data recorder linked to Druck 5 psi pressure transducer. Gage housing consists of steel recorder shelter with two-inch galvanized pipe used as conduit and intake.

Enameled staff gage ranges from 0.00 to 6.66 ft.

History - No other gages have been operated on this stream. Station was non-recording until Water Year (WY)1992 when an Environmental Monitoring Systems (ENMOS) recorder and pressure transducer was installed. Due to technical difficulty with this recording equipment, continuous records of flow were not computed until WY 1994. The gage was relocated to the foot bridge immediately upstream from the former site, and was upgraded with a CS BDR-320 recorder Dec. 8, 1995. The BDR-320 was replaced with the existing CR510 recorder Nov. 15, 1999.

Reference and benchmarks - Staff gage is only datum reference (gage datum).

Channel - Channel is straight for approximately 100 ft. upstream and 100 ft downstream from gage. Banks are steep and rocky. Streambed is composed primarily of cobble. Creek flows over bank at approx. stage 6 ft.

Control - Low and medium stage control is the channel at the gage. High flow control is the bridge immediately downstream from the gage.

Discharge measurements - Low and medium stage measurements are made by wading within 100 ft. upstream or downstream of the gage. High flow measurements are taken off the upstream side of the bridge at gage.

Floods - Flood of February 7, 1998 reached a stage of 7.31 ft. current datum, and the creek flowed out of its banks during this event. At the former gage location approx. 100 ft. downstream of the current site, the Flood of March 10, 1995 reached a stage of 7.05 ft based on former gage datum, and also flowed over bank.

Point of zero flow -2.30 ft., gage datum. Varies due to scour and fill at control.

Winter flow - No ice.

Regulation -

Diversion - Ground water production wells upstream of gage.

Accuracy - Stage records are fair. Stage discharge relationship should be fairly stable due to presence of bridge immediately downstream from gage.

Cooperation -

DESCRIPTION OF GAGING STATION ON GARZAS CREEK NEAR LOWER GARZAS CANYON

Location – Approximately 0.7 miles (along creek) upstream of West Garzas Road, Carmel Valley. Gage located at lower-most Monterey Peninsula Regional Park District permanent footbridge where Garzas Canyon Trail first crosses the creek.

Establishment - Continuous recording station established October 24, 2001 by G. W. James.

Drainage area – 12.9 sq. mi.

Gage – Campbell Scientific CR510 data recorder linked to a 5 psi Druck pressure transducer. Gage housing consists of 1/8 inch steel recorder shelter with two-inch galvanized pipe used as conduit and intake. Three staff gages located on various sections of the bridge range from 2.30 to 6.74 ft.

History – Continuous recording gage operated 0.7 miles downstream at West Garzas Road by MCWRA 1968 – 1978, and by MPWMD 1981 – present (1981 through 1991 – non-recording, and 1991 through present - continuous recording). Purpose of gage is to monitor dry season low flows, particularly during periods when the lower station at West Garzas Road is dry.

Reference and benchmarks – Top of 3/8" re-bar at lower orifice is elevation 2.00 ft. gage datum.

Channel - One channel at low to moderate stages. Channel splits around left bank during high flows. Channel is straight for approximately 30 ft. upstream and 30 ft. downstream from gage. Downstream from gage, banks are moderately sloped and vegetated. Streambed is composed primarily of boulder and cobble.

Control - Low and medium stage control is a boulder riffle 1 ft. downstream from gage. High flow control is the natural channel downstream from the gage.

Discharge measurements - Low and medium stage measurements are made by wading within 400 ft. upstream or downstream of the gage. To date no high flow measurements above wading stage have been obtained.

Floods – There are no known documented flood stage records in the Garzas Canyon.

Point of zero flow - Approximately 1.90 ft., gage datum. Varies due to scour and fill at control.

Winter flow - No ice.

Regulation - Flows affected by operation of Moore's Lake Dam.

Diversion - Flows affected by diversions surrounding Moore's Lake for riparian and domestic use.

Accuracy - Stage records are fair. Computed records are fair below 20 cfs, and poor above 20 cfs due to lack of discharge measurements and poor rating definition at medium/high end flows. Existing station Rating 3 used through WY 2008 ends at 130 cfs resulting in an incomplete record in some years.

Cooperation -

DESCRIPTION OF GAGING STATION ON GARZAS CREEK AT GARZAS ROAD

Location - At West Garzas Road, Carmel Valley on left bank, downstream side of bridge. Located approximately 300 ft. upstream from the Carmel River/Garzas Creek confluence.

Establishment - Continuous recording station established October 1968 by the Monterey County Water Resources Agency (MCWRA) was maintained through September 1978. Established as a staff gage station Nov. 30, 1981 by G. Matthews. Re-established as a recording station Sept. 20, 1991 by G. W. James.

Drainage area - 13.2 sq. mi.

Gage - Stevens Type-F water level recorder/float system housed inside 1/8-inch steel recorder shelter attached to 12-inch CMP stilling well. Access door at base of well for silt removal.

Enameled staff gage ranges from 0.00 to 10.0 ft.

History - Gage formerly operated as a continuous recording station by MCWRA 1968 - 1978. Operated by MPWMD as a non-recording station 1981 - 1991. Re-established as a continuous recording station by MPWMD Sept. 1991, which used an Environmental Monitoring Systems (ENMOS) recorder and pressure transducer system. This system was upgraded and replaced by the existing stilling well Jan. 17, 1992. The Garzas Creek near Lower Garzas Canyon gaging station located 0.7 miles upstream of West Garzas Road, installed Oct. 24, 2001, supplements the Garzas Creek streamflow record during periods of no flow at Garzas Road.

Reference and benchmarks - Staff gage is only datum reference (gage datum).

Channel - One channel at all stages. Channel is straight for approximately 200 ft. upstream and 200 ft downstream from gage. Channel at gage is split by center bridge pier, with vertical, concrete bridge abutments as banks. Downstream from gage, banks are moderately sloped and vegetated. Streambed is composed of poorly sorted alluvium.

Control - Low and medium stage control is a cobble riffle at upstream end mid-pier – right side, and riffle immediately downstream of stilling well. High flow control is the natural channel downstream from the gage.

Discharge measurements - Low and medium stage measurements are made by wading within 200 ft. upstream or downstream of the gage. High flow measurements are taken off the downstream side of the bridge at gage.

Floods - Flood of March 10, 1995 reached a stage of 9.28 ft based on recorded stage in the stilling well. Flood of January 10, 1995 reached a stage of 7.98 ft. based on recorded stage. Flood of February 3, 1998 reached a stage of 7.95 ft. also based on recorded stage.

Point of zero flow - Approximately 0.70 ft., gage datum. Varies due to scour and fill at control.

Winter flow - No ice.

Regulation - Flows affected by operation of Moore's Lake Dam.

Diversion - Flows affected by diversions surrounding Moore's Lake for riparian and domestic use, and by withdrawal of ground water from the Carmel Valley Alluvial Aquifer.

Accuracy - Stage records are good. Computed records are fair due to downstream channel conditions that shift in response to vegetation growth, scour and fill.

Cooperation -

DESCRIPTION OF GAGING STATION ON CARMEL RIVER AT DON JUAN BRIDGE

Location - At the Don Juan Bridge off Carmel Valley Road (authorized vehicle entrance to Garland Park), or river mile 10.8. Gage attached to north face of central bridge pier.

Establishment - Staff gage station established in 1982 by MPWMD staff. Re-established as a recording station Sept. 15, 1992 by G. W. James.

Drainage area - 216 sq. mi.

Gage - Stevens Type-F water level recorder/float system housed inside a steel recorder shelter attached to a 12-inch CMP stilling well (26 ft. long). Lexan windows within recorder shelter allow park visitors to observe instrumentation. Enameled staff gages at three locations: (1) downstream end central bridge pier, range: 1.60 to 3.33 ft.; (2) south face of central bridge pier, range: 3.33 to 6.66 ft; and (3) left bank (LB) concrete bridge abutment, range: 6.66 to 20.0 ft. LB staff gage section read during high flows when turbulence precludes readings at the central pier staff gages. A wire-weight gage was installed Nov. 12, 1997 above right channel at gage to provide additional stage verification (check-bar elevation = 25.43 ft. gage datum). Crest stage gage (CSG) installed Nov. 21, 2000, pin elevation = 9.08 ft. at left bank staff gage.

History - Two USGS gaging stations located 3.6 miles upstream and 7.2 miles downstream are Carmel River at Robles del Rio and Carmel River near Carmel, respectively. Campbell Scientific CR510 data recorder linked to a Druck 5 psi pressure transducer installed at site Feb. 11, 2003 to improve high flow stage records. Recorder/float system retained as back-up/interpretive display. Cellular based telecommunications hardware added to CR510 July 26, 2004.

Reference and benchmarks - Brass tablet located at the left bank staff gages is elevation 8.55 ft. gage datum.

Channel - During extreme flood events channel upstream of gage will over-top the left bank and spread across the Garland Park floodplain. Channel is confined by bridge abutments at gage. Downstream of gage, right bank is steep, vegetated rip-rap. Left bank is gently sloped covered by moderately dense riparian forest. Channel bed material is cobble upstream of the gage, and sand and cobble downstream of the gage.

Control - Channel downstream of gage, affected by periodic rock dam building by park visitors.

Discharge measurements - Low and medium stage measurements are normally made by wading within 1/4 mile of the gage. Maximum wading stage is approximately 5.5 ft. gage datum (approx. 400 cfs). High flow measurements are taken off the upstream side of Randazzo's Bridge 0.6 miles downstream of gage.

Floods - Flood of March 10, 1995 reached a stage of 16.9 ft., gage datum as indicated by an average of several high water marks (HWM) surveyed at the gage. Flood of February 3, 1998 reached a stage of 15.3 ft based on HWM surveyed. Flood of January 10, 1995 reached a stage of 14.8 ft based on HWM surveyed.

Point of zero flow - 2.7 ft. gage datum, varies due to scour and fill.

Winter flow - No ice.

Regulation - Flows regulated at San Clemente Dam approximately eight miles upstream.

Diversion - Surface diversion through the Carmel Valley Filter Plant diversion pipeline from San Clemente Reservoir ceased May 2003. Flows also affected by production wells upstream of gage.

Accuracy - Stage records are good below 1,000 cfs and fair above 1,000 cfs.

Cooperation -

DESCRIPTION OF GAGING STATION ON ROBINSON CANYON CREEK

Location - On left bridge abutment of downstream-most bridge on Robinson Canyon Road, Carmel Valley.

Establishment - Staff gage station established Jan. 6, 1982 by G.M. Kondolf, cooperating with MPWMD. Re-established as a recording station Oct. 18, 1991 by G. W. James.

Drainage area - 5.4 sq. mi.

Gage - Campbell Scientific (CS) CR510 data recorder linked to Druck 5 psi pressure transducer. Gage housing consists of steel recorder shelter with two-inch galvanized pipe used as conduit and intake. Enameled staff gage ranges from 0.00 to 6.66 ft. Crest stage gage (CSG) five ft. downstream from staff (pin elevation = 3.43 ft. gage datum).

History - No other gages have been operated on this stream. Station was non-recording until Water Year 1992 when an Environmental Monitoring Systems (ENMOS) recorder and pressure transducer system was installed. High flows in January & February 1993 severely scoured the control at the gage and prompted relocation of the gage to the current site upstream at the bridge on Mar. 11, 1993. A new gage datum was established as a result of this relocation. Two subsequent recorder upgrades/replacements include the installation of a CS BDR-320, and a CS CR510 on Oct. 26, 1993, and Nov. 16, 1999, respectively.

Reference and benchmarks - Staff gage is only datum reference (gage datum).

Channel - One channel at all stages. Channel is straight for approximately 100 ft. upstream and 100 ft downstream from gage. Banks at gage are vertical, concrete bridge abutments. Streambed is composed primarily of boulder, cobble and sand.

Control - Low flow control is a riffle 3 ft. downstream of gage. High and medium flow control is the natural channel downstream of the gage.

Discharge measurements - Low and medium stage measurements are normally made by wading within 100 ft. downstream of the gage. Station lacks a high flow measuring facility. Bridge at gage is not ideal due to horizontal skew, and traffic concerns. High flows defined by the slope area method. Maximum wading stage is 4.0 ft. gage datum (approx. 60 cfs).

Floods - Flood of February 3, 1998 reached a stage of 8.9 ft. (adjusted to current datum) based on the crest stage gage (CSG) at the former gage site 37 ft. downstream (this event overtopped the current CSG). Flood of March 10, 1995 reached a stage of 6.9 ft. gage datum based on CSG and recorder.

Point of zero flow - 1.80 ft., gage datum. Varies due to scour and fill at control.

Winter flow - No ice.

Regulation -

Diversion - Ground water production wells upstream of gage.

Accuracy - Stage records are fair to good at current gage location. Stage discharge relationship is fairly stable, but will shift during high flow events due to scour.

Cooperation -

DESCRIPTION OF GAGING STATION ON POTRERO CREEK

Location - At Valley Greens Road, Carmel Valley upstream of culvert on right bank.

Establishment - Staff gage station established Jan. 4, 1982 by G. Matthews. Re-established as a recording station Nov. 30, 1993 by G. W. James.

Drainage area - 5.2 sq. mi.

Gage - Campbell Scientific (CS) CR510 data recorder linked to Druck 5 psi pressure transducer. Gage housing consists of steel recorder shelter with two-inch galvanized pipe used as conduit and intake.

Enameled staff gage ranges from 0.00 to 4.10 ft.

History - Station was non-recording until Water Year 1994 when an Environmental Monitoring Systems (ENMOS) recorder and pressure transducer system was installed. The gage was relocated to the opposite (right) bank and upgraded with a CS BDR-320 recorder Nov. 28, 1995. The previous gage datum was maintained despite the gage relocation. The BDR-320 was replaced with the existing recorder Nov. 12, 1999.

Reference and benchmarks - Staff gage is only datum reference (gage datum).

Channel - Channel is straight for approximately 100 ft. upstream and 100 ft downstream from gage. Banks are steep composed of mud and clay. Streambed is sandy.

Control - Control at low and medium stages is a rip-rap riffle 15 ft. downstream of gage. High flow control is the twin culverts 30 ft. downstream of gage.

Discharge measurements - Low and medium stage measurements are made by wading within 100 ft. upstream of the gage. High flow measurements are taken off the upstream side of the golf cart bridge 200 ft. upstream of gage. Maximum wading stage is 2.4 ft. gage datum (approximately 90 cfs).

Floods - Flood of February 3, 1998 reached a stage of 9.1 ft. gage datum indicated by the recorder, and flowed over Valley Greens Road during the peak. Flood of March 10, 1995 reached a stage of 4.9 ft. based on recorder stage verified by high water marks.

Point of zero flow - 0.60 ft., gage datum. Varies due to scour and fill at control.

Winter flow - No ice.

Regulation -

Diversion - Ground water production wells upstream of gage.

Accuracy - Stage records are fair. Stability of stage discharge relationship depends on condition of rip-rap riffle 15 ft. downstream of gage as it stabilizes sands at the gage, or debris loading at the twin culverts 30 ft. downstream.

Cooperation -

DESCRIPTION OF GAGING STATION ON CARMEL RIVER AT HIGHWAY 1 BRIDGE

Location - 50 feet upstream of Highway 1 bridge at top of right bank levee.

Establishment - Staff gage station established in 1982 by MPWMD. Re-established as a recording station Dec. 10, 1992 by G. W. James.

Drainage area - 252 sq. mi.

Gage - Campbell Scientific (CS) CR510 data recorder linked to Druck 5 psi pressure transducer. Gage housing consists of steel recorder shelter with two-inch galvanized pipe used as conduit and intake. Conduit runs approximately 70 ft. down right bank to river. Nov. 29, 1995, MCWRA co-located its ALERT transmitter and pressure transducer at this installation to provide remote access to river levels. Four enameled staff gages staggered up the right bank range from 2.20 to 17.1 ft. Three CSGs installed Oct. 11, 2000, pin elev. = 8.74 ft. (lower), 11.92 ft. (mid), and 14.90 ft. (upper).

History - Station was non-recording until Water Year 1993 when a CS BDR-320 recorder was installed Dec. 10, 1992. Initially, gage was located on a mid-channel bridge pier at the former Highway 1 Bridge. This bridge collapsed in the aftermath of the March 10, 1995 flood and the gage was destroyed. A temporary gage was installed on the right bank at the damaged bridge site Apr. 7, 1995 at the former gage datum, and was relocated 400 ft. upstream May 8, 1995 at a new, arbitrary datum. This temporary station was removed Nov. 22, 1995. The current installation became operational Nov. 29, 1995 and a new datum was established (initial datum + 0.90 ft. = current datum). USGS maintains Carmel River near Carmel gage 2.5 miles upstream. The BDR-320 was replaced with the existing recorder Nov. 10, 1999. Cellular based telecommunications hardware added to CR510 Sept. 29 2004. Extended orifice line June 2, 2006, as river at gage down-cut channel 1.5 ft. in Spring 2006.

Reference and benchmarks - Brass disc on northeast corner of new bridge is elevation 35.89 ft. North American Vertical Datum (NAVD) 1988. Gage datum has been established exactly 10.00 ft. less than this reference elevation. Top of "U-bolt" RP at lower (extended) orifice is 3.73 ft. verified by June 12, 2006 levels.

Channel - Channel is straight for at least 500 ft. upstream and 500 ft. downstream from gage. Banks are moderately sloped and covered with thick vegetation. Streambed is coarse sand and gravel. In 1997, MCWRA excavated several notches in the south bank levee near the upstream margin of Odello East artichoke field to direct flood flows south, in order to protect residents along the north bank.

Control - Low and medium stage control is the sand channel. High flow control is channel at bridge 50 ft. downstream.

Discharge measurements - Low and medium stage measurements are made by wading within 500 ft. upstream or downstream of the gage. High flow measurements are taken off the upstream side of the bridge. Maximum wading stage is 6.5 ft. gage datum (approx 550 cfs).

Floods - Flood of February 3, 1998 reached a stage of 14.8 ft. During this event the river flowed through levee cuts upstream and downstream of the gage and flowed over Highway 1 just south of the river. Flood of January 10, 1995 reached a stage of 15.8 ft. based on gage datum maintained at the former (initial) Highway 1 Bridge site. Flood of March 10, 1995 was not recorded at this site and the peak stage is not known.

Point of zero flow - 1.2 ft., gage datum. Varies due to scour and fill of sands downstream of gage.

Winter flow - No ice.

Regulation - Flows regulated at Los Padres Dam 23.7 river miles (RM) upstream, and at San Clemente Dam 17.5 RM upstream of gage.

Diversion - Surface diversion from San Clemente Dam 17.5 RM upstream ceased May 2003, numerous ground water production wells upstream of gage.

Accuracy - Stage records are good. Stability of stage discharge relationship depends on sand accumulation/depletion in gage reach. Shifting sand channel warrants frequent streamflow measurements during and between storms. Computed records are considered fair.

Cooperation - MCWRA maintains ALERT hardware.

DESCRIPTION OF GAGING STATION ON CARMEL RIVER LAGOON

Location - South arm of Carmel River Lagoon, Carmel, at the Carmel Area Wastewater District (CAWD) effluent pipeline.

Establishment - Continuous recording station established November 1987 by MPWMD.

Drainage area - 255 sq. mi.

Gage - Campbell Scientific (CS) CR510 data recorder linked to Druck 5 psi pressure transducer. Gage housing consists of steel recorder shelter with two-inch galvanized pipe used as conduit and intake. Conduit runs approximately 50 ft. down west bank of south arm to lagoon. Nov. 28, 1995, the Monterey County Water Resources Agency (MCWRA) co-located its ALERT transmitter and pressure transducer at this installation to provide remote access to lagoon levels. MPWMD added telecommunications hardware to CR510 in Sept. 2007.

Enameled staff gage at orifice ranges from 2.00 to 10.0 ft. Additional staff gage at west bank ranges from 10.0 to 13.3 feet.

History - No other continuous recording water level gages have been operated at the Carmel River Lagoon. Reliable continuous water level data begins April 1991. Initially, recorder was located on the CAWD effluent pipeline and utilized an Environmental Monitoring Systems (ENMOS) recorder and pressure transducer system. Nov. 5, 1993 the station was upgraded by relocating the recorder site to the west bank of the gage site, and a CS BDR-320 recorder was installed. The BDR-320 was replaced with the existing recorder Nov. 4, 1999. In 1997, the South Arm of the Lagoon was dredged, and connected to the western-most portion of the Odello West artichoke field to enhance lagoon volume/habitat. In a 2004 California State Parks Department restoration project, the South Arm of the Lagoon was excavated and extended across the former Odello West artichoke field toward Highway 1. These two excavation projects increased lagoon volume by approx. 100 acre-feet at the 10-foot level (NGVD).

Reference and benchmarks - Brass disc at top of knoll above gage is elevation 59.34 ft. National Geodetic Vertical Datum (NGVD) of 1929. Gage datum is NGVD.

Channel -

Control -.

Discharge measurements -

Floods - High surf and tide washed over the beach berm and into the lagoon on Jan. 11, 2001, and Jan. 5, 2008, resulting in peak lagoon water levels of 12.04 ft. and 12.66 ft, respectively. These coastal flood events caused flooding of homes located along the northern margin of the lagoon, and are the two highest peak levels on record (since 1991).

Point of zero flow -

Winter flow - No ice.

Regulation -

Diversion -

Accuracy - Stage records are good.

Cooperation - MCWRA maintains ALERT hardware.

DESCRIPTION OF GAGING STATION ON SAN JOSE CREEK

Location - Approximately 0.50 miles upstream from Highway 1 at Monastery Beach, Carmel.

Establishment - Staff gage station established 1985 by MPWMD. Re-established as a recording station on Nov. 16, 1998 by G. W. James.

Drainage area - 14.2 sq. mi.

Gage - Campbell Scientific (CS) CR510 data recorder linked to Druck 5 psi pressure transducer. Gage housing consists of steel recorder shelter with two-inch galvanized pipe used as conduit and intake.

Three enameled staff gages staggered up the left bank range from 2.34 to 10.08 ft (gage datum).

History - Two separate staff gage stations located approximately 0.25 miles upstream of Highway 1 have been installed and have since washed out. The initial installation washed out in February 1992. The replacement staff gage installed Nov. 16, 1993 at a new, arbitrary gage datum washed out in February 1998. Continuous recording gaging station utilizing a CS BDR-320 recorder was installed by District staff 0.5 miles upstream of Highway 1 near houses, in November 1998 (new arbitrary datum). The BDR-320 was replaced with the existing recorder on Oct. 29, 1999.

Reference and benchmarks - Staff gage is only datum reference (gage datum).

Channel - One channel at all stages. Channel is straight for approximately 100 ft. upstream and downstream of gage. Right bank is the toe of the canyon wall and is steep and rocky. Left bank is gently sloped composed of unconsolidated alluvium. Channel bed is composed of boulder and cobble with sand.

Control - Low and medium stage control is riffle 10 ft. downstream of gage. High flow control is natural channel.

Discharge measurements - Low and medium stage measurements are obtained between gage and the upper margin of the "Polo Field" one quarter mile downstream of gage. A high end wading measurement of 235 cfs was obtained April 5, 2006 in a northerly flowing channel between the sandy beach berm and Highway 1. High flow measurements could potentially be obtained off the Highway 1 bridge at Monastery Beach at low tide (i.e., none have been obtained).

Floods - Flood on February 3, 1998 reach a stage of 10.72 ft. current gage datum based on a surveyed mud line on the house adjacent to the gage shelter.

Point of zero flow - 2.10 ft. gage datum. Varies due to scour and fill.

Winter flow - No ice.

Regulation -

Diversion - Flow affected by diversion for domestic use upstream.

Accuracy - Discharge measurements are fair to good.

Cooperation -

DESCRIPTION OF GAGING STATION ON ARROYO DEL REY AT DEL REY OAKS

Location – Located in Del Rey Park in the city of Del Rey Oaks, CA, or approx. 500 ft. upstream of the parking lot at the end of Angelus Way.

Establishment - Continuous recording station established October 1966 by the United States Geological Survey (USGS) was maintained through September 1978, at which time it was discontinued. Re-established as a recording station on October 7, 2002 by G. W. James (MPWMD).

Drainage area – 13.8 sq. mi.

Gage - Campbell Scientific (CS) CR510 data recorder linked to Druck 5 psi pressure transducer. Gage housing consists of steel recorder shelter with two-inch galvanized pipe used as conduit and intake. Conduit runs approximately 10 ft. down right bank, attached to existing, partially submerged V-notch weir. Staff gage at left bank ranges from 2.8 to 6.7 ft.

History – Continuous recording station operated by the USGS during Water Years 1967 through 1978. Station re-occupied by MPWMD in October 2002.

Reference and benchmarks - Brass disc at partially submerged V-notch weir – elevation unknown.

Channel – One channel at low to medium stages. Channel at flows over right bank into park at high flows. Left bank is steep and heavily vegetated. Right bank is steep, composed mainly of mud.

Control - Low and medium stage control is the channel downstream of gage, and is prone to periodic, heavy vegetation growth that is cleared by crews several times per year. Low footbridge approx. 50 ft. downstream of gage likely causes backwater at high flows. Creek may also flow overbank (right bank) at high flows.

Discharge measurements – Low and medium stage measurements are made by wading within 500 ft. upstream or downstream of gage. To date no high flow measurements above wading have been obtained by MPWMD.

Floods – The Flood of February 3, 1998 flowed overbank flooding a portion of Del Rey Park.

Point of zero flow – 2.9 ft. gage datum, varies due to scour and fill.

Winter flow - No ice.

Regulation – none.

Diversion – Numerous ground water production wells upstream of gage.

Accuracy - Stage records are good. Computed records are fair below 20 cfs, and poor above 20 cfs due to lack of discharge measurements and poor rating definition at medium/high end flows

Cooperation -

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER BASIN

**SURFACE WATER RESOURCES DATA REPORT
WATER YEARS 2004 - 2008**

APPENDIX C

DISCHARGE MEASUREMENT SUMMARIES

TABLE C-1

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
DISCHARGE MEASUREMENT SUMMARY SHEET

MAINSTEM STATION: Above Los Padres Reservoir
Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE	SECTION	MEAN	AREA	MEAN
					TEMP. (deg C)	TEMP. (deg C)	CONDUCTANCE (µS)	HEIGHT (feet)		WIDTH (feet)	DEPTH (feet)		VELOCITY (ft/sec)
10/01/2003	1310	GWJ	Pygmy	Good	25.0	15.5	283	1016.95	4.06	13.0	0.6	7.17	0.57
11/03/2003	1155	GWJ	AA	Fair	12.0	10.0	285	1006.91	7.60	20.9	1.1	22.94	0.33
12/01/2003	1245	GWJ	AA	Fair	18.0	11.0	259	1007.41	19.29	15.7	0.6	10.04	1.92
05/04/2004	1220	GWJ	AA	Good	27.0	14.5	240	1040.00	20.66	34.0	1.5	49.57	0.42
06/03/2004	1055	GWJ	AA	Good	21.5	13.5	270	1039.37	11.95	22.6	1.0	22.49	0.53
07/01/2004	1140	GWJ	AA	Good	15.5	15.0	277	1036.64	7.50	19.4	1.1	21.66	0.35
08/02/2004	1210	GWJ	AA	Fair	21.0	17.0	295	1031.12	2.75	14.2	0.6	7.81	0.35
09/01/2004	1145	GWJ	Pygmy	Fair	33.0	19.0	294	1024.72	1.58	3.9	0.3	1.00	1.58
10/04/2004	1130	GWJ	Pygmy	Fair	16.5	13.5	299	1014.85	2.23	14.2	0.6	7.96	0.28
11/02/2004	1300	GWJ	AA	Good	20.0	9.0	265	1027.24	14.08	33.2	1.0	33.45	0.42
12/01/2004	1145	GWJ	AA	Good	9.5	5.0	246	1025.87	11.10	30.7	1.0	32.21	0.34
06/01/2005	1210	GWJ	AA	Good	25.0	14.0	218	1040.20	46.36	34.6	1.6	57.08	0.81
07/01/2005	1305	GWJ	AA	Good	29.0	16.5	250	1040.10	26.05	33.7	1.6	52.38	0.50
08/01/2005	1040	GWJ	AA	Good	26.0	17.0	278	1038.05	10.82	18.1	0.8	15.30	0.71
09/01/2005	1055	GWJ	AA	Good	25.5	15.0	290	1028.94	5.08	16.5	0.8	12.50	0.41
10/03/2005	1235	GWJ	AA	Good	16.5	12.5	292	1019.90	5.63	17.1	0.8	13.74	0.41
11/01/2005	1105	GWJ	AA	Good	24.0	10.5	282	1013.12	5.99	17.2	0.8	14.24	0.42
12/02/2005	0905	GWJ	AA	Good	10.0	10.0	232	1011.37	33.87	35.6	1.1	38.48	0.88
06/01/2006	1225	GWJ	AA	Good	23.5	13.5	205	1040.24	58.89	33.9	2.2	73.93	0.80
07/07/2006	1300	GWJ	AA	Good	29.5	14.5	238	1040.07	23.48	35.4	1.5	52.82	0.44
08/02/2006	1105	GWJ	AA	Fair	23.5	15.0	258	1037.44	11.52	35.3	1.4	47.74	0.24
09/01/2006	0920	GWJ	AA	Good	11.5	14.0	282	1030.57	5.84	12.6	0.7	9.25	0.63
10/02/2006	0955	GWJ	AA	Fair	14.0	11.5	280	1022.32	6.66	12.7	0.8	10.15	0.66
11/01/2006	1155	GWJ	AA	Good	20.0	9.0	281	1019.94	6.75	19.8	0.5	9.65	0.70
12/01/2006	1215	GWJ	AA	Good	17.0	6.0	268	1021.26	8.93	19.8	0.5	10.61	0.84
01/02/2007	1245	GWJ	AA	Good	17.0	6.5	223	1039.72	17.17	37.5	1.0	39.28	0.44
02/02/2007	1200	GWJ	AA	Good	16.0	6.0	239	1040.04	12.08	26.5	0.8	21.90	0.55
04/02/2007	1350	GWJ	AA	Good	23.0	10.5	234	1039.97	15.96	23.8	0.8	19.09	0.84
05/01/2007	1200	GWJ	AA	Good	23.0	11.0	251	1039.63	10.65	23.9	0.7	16.98	0.63
06/01/2007	1145	GWJ	AA	Good	22.0	13.0	285	1039.28	5.89	19.8	0.7	14.33	0.41
07/02/2007	1220	GWJ	AA	Fair	28.5	15.0	311	1035.52	1.80	9.3	0.7	6.70	0.27
08/01/2007	1215	GWJ	Pygmy	Fair	29.0	16.5	303	1030.29	0.36	2.6	0.3	0.74	0.49
09/01/2007	0820	GWJ	Pygmy	Poor	17.5	17.5	332	1023.54	0.06	.9	0.2	0.19	0.34
10/01/2007	1130	GWJ	Pygmy	Fair	19.0	12.0	310	1017.98	1.26	8.7	0.7	5.86	0.21
11/01/2007	1220	GWJ	AA	Fair	18.0	10.0	341	1015.77	3.07	9.4	0.9	8.18	0.38
12/03/2007	1325	GWJ	AA	Fair	15.5	7.0	325	1015.28	3.67	9.4	1.0	9.06	0.40
01/02/2008	1300	GWJ	AA	Fair	18.0	4.5	295	1022.71	6.25	19.8	0.7	14.80	0.42
05/01/2008	1030	GWJ	AA	Fair	16.0	7.5	235	1040.05	23.96	29.1	1.0	27.75	0.36
06/02/2008	1130	GWJ	AA	Good	15.0	10.5	258	1038.57	13.79	29.0	0.9	25.74	0.54
07/01/2008	1010	GWJ	Pygmy	Good	17.0	14.0	301	1034.14	5.98	12.8	0.5	5.96	1.00
08/01/2008	1100	GWJ	Pygmy	Good	27.0	15.0	305	1027.74	3.75	10.4	0.4	4.42	0.35
09/01/2008	0900	GWJ	AA	Fair	8.0	13.5	315	1022.66	2.48	10.5	0.7	7.58	0.33

TABLE C-2

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
DISCHARGE MEASUREMENT SUMMARY SHEET

MAINSTEM STATION: Below Los Padres Reservoir
Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE	SECTION	MEAN	AREA	MEAN
					TEMP.	TEMP.	CONDUCTANCE	HEIGHT		WIDTH	DEPTH		VELOCITY
					(deg C)	(deg C)	(μ S)	(feet)	(CFS)	(feet)	(feet)	(sqft)	(ft/sec)
10/01/2003	1020	GWJ	AA	Fair	15.0	20.0	308	3.79	10.27	20.7	1.0	20.20	0.51
11/03/2003	0910	GWJ	AA	Fair	10.0	15.5	336	3.67	7.60	20.2	0.9	18.86	0.40
12/01/2003	1020	GWJ	AA	Fair	14.0	11.5	344	3.71	8.22	20.3	1.0	19.53	0.42
01/08/2004	0915	GWJ	AA	Good	10.5	8.5	185	4.70	60.46	26.7	1.6	42.64	1.42
01/23/2004	0855	GWJ	AA	Good	-1.0	8.0	202	4.24	25.24	22.5	1.3	29.18	0.87
02/11/2004	1215	GWJ	AA	Good	15.5	8.5	195	4.57	47.01	25.3	1.6	39.53	1.19
03/10/2004	0920	GWJ	AA	Fair	12.5	11.5	185	5.03	100.45	33.2	1.7	55.15	1.82
04/01/2004	0900	GWJ	AA	Fair	9.5	12.0	212	4.47	39.74	25.6	1.5	38.16	1.04
05/04/2004	0845	GWJ	AA	Good	11.0	15.5	241	3.99	17.95	23.3	1.1	26.25	0.68
06/03/2004	0815	GWJ	AA	Fair	9.5	17.5	255	3.81	12.96	21.3	1.0	22.02	0.59
07/01/2004	0855	GWJ	AA	Fair	13.0	17.0	248	3.65	8.85	20.7	0.9	18.28	0.48
08/02/2004	0920	GWJ	AA	Fair	15.5	16.0	245	3.54	7.06	19.6	0.8	15.82	0.45
09/01/2004	0910	GWJ	AA	Fair	15.5	13.5	242	3.53	6.32	19.5	0.8	15.46	0.41
10/04/2004	1345	GWJ	AA	Fair	23.5	19.0	312	3.54	6.60	19.7	0.8	16.29	0.41
11/02/2004	0935	GWJ	AA	Fair	11.5	12.0	274	3.87	13.08	19.7	1.0	20.61	0.63
12/01/2004	0925	GWJ	AA	Good	.5	9.0	272	3.87	13.68	20.1	1.0	21.07	0.65
01/18/2005	1430	GWJ	AA	Fair	19.0	9.5	137	5.50	182.69	47.8	1.8	85.15	2.15
03/16/2005	1030	GWJ	AA	Fair	16.0	11.5	196	5.19	124.53	43.6	1.6	68.67	1.81
04/14/2005	0910	GWJ	AA	Fair	8.0	10.5	195	5.20	126.00	43.9	1.6	70.56	1.79
05/10/2005	0830	GWJ	AA	Fair	10.0	13.0	216	4.83	81.03	42.3	1.3	56.22	1.44
06/01/2005	0900	GWJ	AA	Good	16.5	16.5	233	4.41	44.69	25.1	1.5	38.34	1.17
07/01/2005	0900	GWJ	AA	Good	18.0	18.0	251	4.08	23.37	22.8	1.3	29.00	0.81
08/01/2005	1325	GWJ	AA	Fair	33.5	18.0	230	3.80	13.18	21.5	1.1	23.29	0.57
09/01/2005	0820	GWJ	AA	Good	16.0	17.0	270	3.80	13.32	21.4	1.1	23.33	0.57
10/03/2005	0915	GWJ	AA	Fair	8.0	17.0	305	3.70	9.76	21.3	1.0	20.41	0.48
11/01/2005	0830	GWJ	AA	Good	12.0	14.5	306	3.69	9.36	21.3	0.9	20.12	0.47
12/02/2005	0905	GWJ	AA	Good	10.0	12.0	314	3.69	8.00	21.5	0.9	20.36	0.39
01/17/2006	1320	GWJ	AA	Fair	15.0	9.0	183	4.92	85.18	39.3	1.5	58.01	1.47
02/21/2006	0855	GWJ	AA	Good	4.0	8.0	195	4.31	31.50	25.5	1.2	31.61	1.00
03/23/2006	0905	GWJ	AA	Good	12.0	9.0	170	5.62	189.27	46.8	1.8	82.98	2.28
04/24/2006	1255	GWJ	AA	Fair	15.0	11.0	170	5.70	219.06	47.3	1.9	90.49	2.42
05/04/2006	1240	GWJ	AA	Fair	18.0	13.0	195	5.24	130.40	41.0	1.8	73.30	1.78
06/01/2006	0910	GWJ	AA	Good	15.5	15.0	218	4.63	58.71	28.7	1.5	44.40	1.32
07/20/2006	0915	GWJ	AA	Good	22.0	16.0	249	3.89	13.53	22.0	1.1	24.10	0.56
08/15/2006	1255	GWJ	AA	Good	25.0	21.5	269	3.94	15.09	22.0	1.1	23.80	0.63
09/01/2006	1110	GWJ	AA	Good	23.5	19.0	287	3.84	12.27	21.8	1.1	23.23	0.53
10/02/2006	1140	GWJ	AA	Good	15.0	18.0	299	3.78	10.52	21.7	1.0	21.73	0.48
11/01/2006	0900	GWJ	AA	Good	11.0	14.0	297	3.75	8.84	21.7	0.9	20.33	0.43
12/01/2006	0915	GWJ	AA	Fair	3.0	9.5	296	3.66	6.73	20.6	0.9	18.94	0.36
01/02/2007	1020	GWJ	AA	Fair	10.0	7.5	255	3.64	5.83	17.7	1.0	18.33	0.32
01/10/2007	1310	GWJ	AA	Good	17.0	8.0	257	3.92	14.46	19.1	1.2	22.79	0.63
02/02/2007	0845	GWJ	AA	Good	1.5	5.5	255	3.84	11.20	19.1	1.1	20.80	0.54
02/15/2007	0850	GWJ	AA	Good	5.5	7.0	234	4.35	36.43	23.9	1.4	34.58	1.05

TABLE C-2 (CONTINUED)

MAINSTEM STATION: Below Los Padres Reservoir

Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE	SECTION	MEAN	AREA	MEAN
					TEMP.	TEMP.	CONDUCTANCE	HEIGHT		WIDTH	DEPTH		VELOCITY
					(deg C)	(deg C)	(μ S)	(feet)	(CFS)	(feet)	(feet)	(sqft)	(ft/sec)
03/06/2007	1130	GWJ	AA	Good	20.0	9.0	202	4.54	47.96	23.9	1.6	38.81	1.24
04/02/2007	1105	GWJ	AA	Good	16.0	12.0	231	3.95	15.95	22.0	1.1	24.66	0.65
05/01/2007	0915	GWJ	AA	Good	10.5	13.0	255	3.83	11.75	20.6	1.1	21.90	0.54
06/01/2007	0905	GWJ	AA	Fair	12.5	15.0	277	3.59	5.40	18.9	0.9	16.46	0.33
06/15/2007	1135	GWJ	AA	Good	30.5	16.5	282	3.71	8.20	18.8	1.0	18.57	0.44
07/02/2007	0930	GWJ	AA	Fair	18.0	15.5	289	3.57	5.37	17.7	0.9	16.37	0.33
08/01/2007	0915	GWJ	AA	Good	13.0	16.0	290	3.58	4.68	17.6	0.8	14.73	0.32
08/31/2007	0915	GWJ	AA	Fair	21.5	15.0	281	3.60	4.46	16.7	0.8	14.16	0.31
10/01/2007	0845	GWJ	AA	Fair	12.5	14.5	307	3.64	4.01	16.8	0.8	14.01	0.29
11/01/2007	0920	GWJ	AA	Fair	7.0	13.0	341	3.60	3.24	16.8	0.8	13.11	0.25
12/03/2007	0910	GWJ	AA	Fair	2.0	9.0	347	3.63	3.03	15.8	0.8	13.15	0.23
01/02/2008	1040	GWJ	AA	Fair	5.0	6.0	325	3.59	2.88	15.7	0.9	13.46	0.21
01/09/2008	1020	GWJ	AA	Good	8.0	7.0	170	5.02	97.17	39.5	1.5	58.97	1.65
02/06/2008	0915	GWJ	AA	Fair	6.0	6.5	151	5.60	201.73	46.4	1.9	89.76	2.25
03/06/2008	1100	GWJ	AA	Good	19.0	9.0	183	5.09	101.25	39.5	1.5	61.22	1.65
04/09/2008	0910	GWJ	AA	Fair	11.0	10.5	220	4.41	33.03	37.5	1.1	40.80	0.81
05/01/2008	0815	GWJ	AA	Fair	4.0	12.0	240	4.18	21.81	22.4	1.3	28.71	0.76
06/02/2008	0905	GWJ	AA	Fair	8.5	14.0	252	3.95	13.85	18.8	1.2	22.23	0.62
07/01/2008	1215	GWJ	AA	Fair	19.0	15.5	260	3.84	10.14	18.5	1.1	19.94	0.51
08/01/2008	1330	GWJ	AA	Fair	30.0	13.0	263	3.67	6.45	18.3	0.9	16.59	0.39
09/01/2008	1110	GWJ	AA	Fair	21.0	15.5	303	3.72	7.08	18.1	0.9	16.94	0.42

TABLE C-3

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
DISCHARGE MEASUREMENT SUMMARY SHEET

TRIBUTARY STATION: Cachagua Creek
Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE	SECTION	MEAN	AREA	MEAN
					TEMP.	TEMP.	CONDUCTANCE	HEIGHT		WIDTH	DEPTH		VELOCITY
					(deg C)	(deg C)	(µS)	(feet)	(CFS)	(feet)	(feet)	(sqft)	(ft/sec)
10/01/2003	0930	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/03/2003	0820	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/01/2003	1415	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/05/2004	1445	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
02/06/2004	0915	GWJ	AA	Fair	7.0	6.5	749	2.99	3.34	8.5	0.7	5.64	0.59
02/18/2004	1035	GWJ	AA	Fair	12.5	11.0	287	3.70	34.33	17.2	1.0	17.91	1.92
02/27/2004	1150	GWJ	AA	Fair	11.0	9.0	355	3.64	57.20	18.6	1.1	20.58	2.78
03/10/2004	1140	GWJ	AA	Fair	25.0	14.0	639	2.78	5.77	7.5	0.8	5.82	0.99
03/23/2004	1245	GWJ	AA	Fair	19.0	17.5	702	2.57	2.45	6.2	0.7	4.05	0.60
04/19/2004	1410	GWJ	Pygmy	Fair	20.0	15.5	744	2.42	0.98	4.5	0.6	2.67	0.37
05/04/2004	0800	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
05/13/2004	0830	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
06/03/2004	0730	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
07/01/2004	1315	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
08/02/2004	0845	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/01/2004	0830	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
10/04/2004	1000	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/09/2004	1200	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/01/2004	1345	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/03/2005	1405	GWJ	AA	Good	13.0	8.0	501	3.09	13.40	15.1	0.7	11.12	1.20
01/12/2005	1335	GWJ	AA	Fair	18.0	8.5	377	3.42	32.04	15.8	1.0	15.94	2.01
01/28/2005	1005	GWJ	AA	Good	14.0	10.0	585	2.85	6.78	14.5	0.5	7.87	0.86
02/16/2005	1140	GWJ	AA	Good	16.5	11.0	415	3.19	18.21	14.9	0.8	12.63	1.44
02/23/2005	1335	GWJ	AA	Fair	16.0	11.0	362	3.57	49.48	16.4	1.2	19.26	2.57
03/16/2005	1230	GWJ	AA	Good	18.0	12.0	534	2.93	8.49	14.4	0.6	8.98	0.94
03/30/2005	1300	GWJ	AA	Fair	21.5	12.0	473	3.17	17.40	16.2	0.7	12.02	1.45
04/29/2005	1230	GWJ	AA	Fair	23.5	14.5	571	2.88	7.28	10.6	0.6	6.20	1.17
05/10/2005	1055	GWJ	Pygmy	Fair	17.5	12.5	589	2.80	5.53	11.1	0.5	5.39	1.03
06/20/2005	1335	GWJ	Pygmy	Fair	21.5	20.5	668	2.50	1.43	4.9	0.6	2.80	0.51
07/01/2005	1430	GWJ	Gage	na	--	--	--	2.35	--	--	--	--	--
07/13/2005	0955	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
07/20/2005	1205	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
08/23/2005	0840	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/01/2005	1240	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
10/03/2005	1440	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/01/2005	1300	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/02/2005	1420	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/19/2005	1015	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/02/2006	1045	GWJ	AA	Fair	14.5	10.0	350	4.01	73.49	18.5	1.4	25.77	2.85
01/05/2006	1415	GWJ	AA	Fair	23.0	11.0	684	2.91	7.39	11.3	0.7	7.88	0.94
01/25/2006	0845	GWJ	AA	Fair	6.0	5.0	656	2.65	3.14	9.8	0.6	5.53	0.57
02/21/2006	1035	GWJ	Pygmy	Fair	10.0	6.5	720	2.52	1.87	6.5	0.4	2.88	0.65
03/01/2006	1200	GWJ	AA	Fair	20.5	14.0	415	3.46	37.41	20.2	0.7	14.93	2.51

TABLE C-3 (CONTINUED)

TRIBUTARY STATION: Cachagua Creek

Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE	SECTION	MEAN	AREA	MEAN
					TEMP. (deg C)	TEMP. (deg C)	CONDUCTANCE (µS)	HEIGHT (feet)		WIDTH (feet)	DEPTH (feet)		VELOCITY (ft/sec)
03/08/2006	0910	GWJ	AA	Good	13.5	8.0	444	3.25	20.10	16.8	0.8	14.03	1.43
03/23/2006	1125	GWJ	AA	Fair	21.0	10.0	446	3.17	16.14	16.5	0.7	12.15	1.33
04/03/2006	1520	GWJ	AA	Fair	20.5	12.0	288	3.69	65.47	17.9	1.3	23.05	2.84
04/12/2006	1110	GWJ	AA	Good	16.0	10.0	383	3.50	41.32	23.2	1.0	24.20	1.71
05/08/2006	1120	GWJ	AA	Fair	22.0	14.0	518	3.02	10.64	15.1	0.8	11.48	0.93
06/08/2006	0920	GWJ	Pygmy	Good	14.5	13.0	586	2.76	3.77	8.9	0.6	5.27	0.71
06/29/2006	1240	GWJ	Pygmy	Fair	31.0	21.0	626	2.50	0.86	4.4	0.3	1.43	0.60
07/20/2006	1030	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
08/15/2006	1430	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/01/2006	1315	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
10/02/2006	0810	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/01/2006	0800	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/01/2006	1400	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/02/2007	0930	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/10/2007	1410	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/25/2007	1335	GWJ	Pygmy	Fair	20.5	7.5	834	2.52	0.56	2.5	0.3	0.80	0.70
02/15/2007	1055	GWJ	Pygmy	Fair	15.5	8.0	852	2.65	1.54	7.5	0.5	3.87	0.39
03/08/2007	1025	GWJ	Pygmy	Fair	15.0	10.5	794	2.68	2.12	8.0	0.5	4.21	0.50
03/23/2007	0925	GWJ	Pygmy	Fair	14.0	8.0	808	2.59	1.12	6.4	0.5	2.94	0.38
04/16/2007	1305	GWJ	Pygmy	Fair	25.0	15.5	826	2.54	0.71	2.6	0.3	0.90	0.78
05/01/2007	1400	GWJ	Pygmy	Poor	26.0	19.0	844	2.43	0.23	2.1	0.2	0.46	0.50
05/09/2007	1405	GWJ	Pygmy	Poor	26.0	18.0	855	2.29	0.02	.4	0.1	0.03	0.48
05/16/2007	1430	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
06/01/2007	1330	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
07/02/2007	1340	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
08/23/2007	1415	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/01/2007	0940	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
10/01/2007	1340	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/01/2007	1350	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/03/2007	0820	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/17/2007	1245	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/02/2008	1000	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/29/2008	1350	GWJ	AA	Good	10.0	6.0	448	3.52	37.80	18.8	1.0	19.47	1.94
02/06/2008	1115	GWJ	AA	Good	11.0	5.5	549	3.13	14.10	15.9	0.7	10.66	1.32
02/25/2008	1320	GWJ	AA	Good	17.0	9.0	406	3.52	35.21	18.8	1.1	20.00	1.76
03/24/2008	1420	GWJ	Pygmy	Fair	23.5	14.5	706	2.73	2.94	9.8	0.5	4.79	0.61
04/09/2008	1040	GWJ	Pygmy	Fair	12.0	9.5	692	2.67	1.85	9.1	0.4	3.78	0.49
05/01/2008	1255	GWJ	Pygmy	Fair	21.0	15.0	733	2.57	1.01	4.7	0.4	1.66	0.61
05/19/2008	1305	GWJ	Pygmy	Poor	33.5	22.0	764	2.25	0.01	.3	0.1	0.02	0.33
06/02/2008	1330	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
07/01/2008	1320	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
08/01/2008	1430	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/01/2008	0745	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--

TABLE C-4

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
DISCHARGE MEASUREMENT SUMMARY SHEET

TRIBUTARY STATION: Pine Creek
Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE	SECTION	MEAN	AREA	MEAN
					TEMP.	TEMP.	CONDUCTANCE	HEIGHT		WIDTH	DEPTH		VELOCITY
					(deg C)	(deg C)	(µS)	(feet)	(CFS)	(feet)	(feet)	(sqft)	(ft/sec)
10/24/2003	1235	GWJ	Flume	Good	19.5	13.0	421	0.85	0.01	--	--	--	--
11/19/2003	1120	GWJ	Pygmy	Poor	13.5	10.0	418	0.98	0.02	.8	0.1	0.09	0.21
12/15/2003	1105	GWJ	Pygmy	Fair	5.0	10.0	247	1.51	2.41	7.4	0.5	4.00	0.60
01/05/2004	1305	GWJ	AA	Good	7.0	6.5	166	1.86	7.12	14.1	0.9	12.81	0.56
02/13/2004	1040	GWJ	AA	Fair	15.0	8.0	142	1.77	4.78	14.5	0.8	11.26	0.42
03/02/2004	1330	GWJ	AA	Good	14.0	10.0	131	2.24	24.29	15.9	1.1	18.28	1.33
03/23/2004	1020	GWJ	AA	Good	17.0	11.0	165	1.81	6.34	13.1	0.9	11.50	0.55
04/19/2004	1145	GWJ	Pygmy	Fair	16.0	10.0	177	1.64	3.58	9.8	0.6	5.44	0.66
05/18/2004	1135	GWJ	Pygmy	Fair	17.0	11.5	206	1.44	1.88	6.2	0.8	4.89	0.38
06/22/2004	1305	GWJ	Pygmy	Poor	20.0	15.0	256	1.14	0.35	2.2	0.3	0.70	0.50
07/23/2004	1130	GWJ	Flume	Good	19.0	15.0	343	0.88	0.07	--	--	--	--
08/19/2004	1225	GWJ	Flume	Good	20.0	15.0	432	0.72	0.01	--	--	--	--
09/23/2004	1510	GWJ	na	na	27.5	13.5	501	--	No Flow	--	--	--	--
10/15/2004	1440	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/09/2004	1005	GWJ	Pygmy	Fair	13.0	11.0	323	1.25	0.89	5.7	0.7	3.94	0.23
12/13/2004	1245	GWJ	AA	Fair	13.0	9.5	192	1.58	3.29	5.9	1.0	5.62	0.59
01/06/2005	1025	GWJ	AA	Good	4.5	7.0	134	2.19	22.77	16.4	1.1	18.33	1.24
02/14/2005	1400	GWJ	AA	Good	15.0	10.5	151	1.91	10.41	15.0	0.9	14.13	0.74
03/15/2005	1205	GWJ	AA	Good	20.0	11.0	150	2.11	18.12	15.2	1.1	17.04	1.06
04/20/2005	1300	GWJ	AA	Good	17.0	10.0	152	2.01	14.49	15.1	1.1	16.03	0.90
05/24/2005	1230	GWJ	AA	Good	23.5	13.5	184	1.77	5.97	14.9	0.8	12.00	0.50
06/20/2005	1115	GWJ	AA	Fair	24.0	12.0	197	1.65	3.46	14.8	0.7	9.90	0.35
07/20/2005	1000	GWJ	Pygmy	Fair	20.0	14.5	260	1.34	1.26	5.7	0.6	3.25	0.39
08/15/2005	1330	GWJ	Pygmy	Fair	18.0	14.5	323	1.08	0.19	3.0	0.2	0.64	0.30
09/26/2005	1220	GWJ	Pygmy	Poor	22.5	13.0	388	0.92	0.08	1.4	0.3	0.37	0.21
10/26/2005	1055	GWJ	Pygmy	Poor	13.0	10.0	399	0.97	0.10	1.5	0.3	0.43	0.24
11/28/2005	1140	GWJ	Pygmy	Fair	12.5	7.5	355	1.14	0.32	1.5	0.4	0.64	0.50
12/19/2005	1330	GWJ	AA	Good	17.5	11.0	151	1.99	12.62	15.3	1.1	16.12	0.78
01/09/2006	1215	GWJ	AA	Good	11.5	8.5	143	1.85	12.36	15.1	1.1	16.40	0.75
02/14/2006	1310	GWJ	AA	Good	18.0	10.0	165	1.53	4.94	14.1	0.9	12.61	0.39
03/16/2006	1110	GWJ	AA	Good	12.0	7.0	128	2.30	28.69	15.9	1.4	22.98	1.25
04/18/2006	1205	GWJ	AA	Good	13.5	9.5	125	2.55	40.43	16.4	1.7	27.19	1.49
05/23/2006	1100	GWJ	AA	Good	18.0	12.0	170	1.70	9.10	14.5	1.0	15.10	0.60
06/29/2006	1030	GWJ	AA	Fair	20.5	14.0	226	1.41	2.44	6.5	0.8	4.97	0.49
07/27/2006	1100	TTC	Pygmy	Fair	23.0	15.5	308	1.12	0.45	2.0	0.5	0.95	0.47
08/30/2006	1205	GWJ	Pygmy	Poor	24.5	13.0	354	0.96	0.20	1.4	0.3	0.42	0.47
09/26/2006	1425	GWJ	Flume	Good	22.0	13.0	393	0.89	0.09	--	--	--	--
10/19/2006	1215	GWJ	Flume	Good	18.5	10.0	378	0.97	0.21	--	--	--	--
11/28/2006	1100	GWJ	Pygmy	Fair	7.5	9.0	315	1.29	0.60	2.3	0.5	1.12	0.53
12/20/2006	1210	GWJ	Pygmy	Fair	5.5	6.5	241	1.34	1.45	6.2	0.7	4.49	0.32
01/24/2007	1215	GWJ	Pygmy	Fair	7.5	5.0	231	1.30	1.34	5.2	0.8	4.36	0.31
03/08/2007	1310	GWJ	AA	Good	18.0	9.5	182	1.55	4.66	14.1	0.9	12.73	0.37
04/10/2007	1405	GWJ	Pygmy	Fair	20.0	10.0	239	1.39	1.42	5.4	0.7	3.94	0.36

TABLE C-4 (CONTINUED)

TRIBUTARY STATION: Pine Creek
Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE	SECTION	MEAN	AREA	MEAN
					TEMP.	TEMP.	CONDUCTANCE	HEIGHT		WIDTH	DEPTH		VELOCITY
					(deg C)	(deg C)	(μ S)	(feet)	(CFS)	(feet)	(feet)	(sqft)	(ft/sec)
05/16/2007	1225	GWJ	Pygmy	Fair	20.0	11.0	268	1.27	0.91	5.0	0.6	2.98	0.30
06/20/2007	1305	GWJ	Pygmy	Poor	23.5	14.0	340	0.98	0.15	1.1	0.3	0.29	0.52
07/19/2007	1155	GWJ	Flume	Good	21.0	14.0	417	0.80	0.02	--	--	--	--
08/23/2007	1230	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/24/2007	1230	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
10/29/2007	1245	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/28/2007	1300	GWJ	Estimate	na	14.5	7.0	489	0.71	0.01	--	--	--	--
12/13/2007	1335	GWJ	Flume	Good	7.5	5.0	429	0.79	0.02	--	--	--	--
01/11/2008	1135	GWJ	AA	Fair	8.0	7.5	194	1.46	5.98	14.3	1.0	13.81	0.43
02/08/2008	1125	GWJ	AA	Good	8.0	7.0	139	2.10	22.94	15.8	1.4	21.83	1.05
03/12/2008	1235	GWJ	AA	Good	17.0	8.5	171	1.66	10.80	14.9	1.1	16.09	0.67
04/21/2008	1300	GWJ	AA	Fair	12.5	8.5	195	1.23	3.64	14.6	0.8	11.11	0.33
05/27/2008	1055	GWJ	Pygmy	Fair	13.5	10.0	230	1.05	1.71	4.9	0.7	3.33	0.52
06/25/2008	1205	GWJ	Pygmy	Poor	16.0	12.0	314	0.86	0.37	2.6	0.5	1.31	0.28
08/05/2008	1255	GWJ	Flume	Good	27.0	13.5	420	0.64	0.06	--	--	--	--
09/26/2008	0950	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--

TABLE C-5

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
DISCHARGE MEASUREMENT SUMMARY SHEET

TRIBUTARY STATION: San Clemente Creek
Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE	SECTION	MEAN	AREA	MEAN
					TEMP.	TEMP.	CONDUCTANCE	HEIGHT		WIDTH	DEPTH		VELOCITY
					(deg C)	(deg C)	(µS)	(feet)	(CFS)	(feet)	(feet)	(sqft)	(ft/sec)
10/10/2003	1150	GWJ	Flume	Good	19.0	12.0	346	1.03	0.06	--	--	--	--
11/06/2003	1230	GWJ	Pygmy	Fair	19.0	11.5	307	1.48	1.27	3.7	0.4	1.47	0.86
12/09/2003	1430	GWJ	Pygmy	Fair	14.0	8.5	344	1.23	0.17	2.4	0.2	0.50	0.35
12/17/2003	1250	GWJ	Pygmy	Fair	10.0	7.0	258	1.58	1.55	6.1	0.5	3.22	0.48
01/06/2004	1045	GWJ	AA	Good	8.5	6.5	174	1.96	8.76	17.9	1.1	19.31	0.45
01/26/2004	1225	GWJ	AA	Fair	10.0	7.0	202	1.68	3.34	8.1	0.7	5.57	0.60
02/09/2004	1215	GWJ	AA	Fair	14.5	9.5	168	1.97	10.28	11.3	1.1	12.02	0.86
03/01/2004	1230	GWJ	AA	Good	11.0	10.0	142	2.62	42.61	18.9	1.3	24.78	1.72
03/15/2004	1300	GWJ	AA	Fair	25.0	13.0	170	2.07	12.82	11.8	1.4	15.98	0.80
04/13/2004	1135	GWJ	AA	Fair	15.0	11.5	186	1.77	5.19	9.7	0.9	8.75	0.59
05/17/2004	1300	GWJ	Pygmy	Good	20.0	14.0	212	1.52	2.15	7.8	0.7	5.66	0.38
06/18/2004	1335	GWJ	Pygmy	Fair	19.5	16.5	249	1.25	0.59	2.4	0.6	1.33	0.44
07/13/2004	1300	GWJ	Flume	Good	23.0	16.0	294	1.08	0.17	--	--	--	--
08/18/2004	1330	GWJ	Flume	Good	23.5	17.5	343	0.96	0.02	--	--	--	--
09/16/2004	1155	GWJ	Pygmy	Poor	21.0	16.0	371	0.93	0.02	.5	0.1	0.05	0.41
10/14/2004	1340	GWJ	Pygmy	Poor	30.5	13.0	361	0.96	0.02	.5	0.1	0.06	0.37
10/22/2004	1110	GWJ	Pygmy	Poor	15.0	10.5	397	1.00	0.08	.9	0.2	0.22	0.35
10/28/2004	1250	GWJ	AA	Fair	14.0	10.5	242	1.60	1.93	7.8	0.8	6.60	0.29
11/30/2004	1110	GWJ	Pygmy	Fair	6.0	5.0	238	1.54	0.91	3.9	0.6	2.21	0.41
12/07/2004	1150	GWJ	AA	Poor	13.0	8.5	180	2.40	23.02	17.3	1.3	21.75	1.06
12/22/2004	1125	GWJ	AA	Fair	8.0	6.0	217	1.61	1.94	8.3	0.8	6.65	0.29
01/04/2005	1130	GWJ	AA	Good	9.5	7.0	130	2.69	49.43	16.5	1.6	25.72	1.92
01/13/2005	1400	GWJ	AA	Good	12.5	9.0	117	3.12	98.25	19.4	1.8	35.40	2.78
02/10/2005	1330	GWJ	AA	Good	20.0	9.0	154	2.24	18.22	18.2	1.4	25.73	0.71
02/25/2005	0930	GWJ	AA	Good	11.5	9.5	133	3.11	92.37	18.9	1.8	34.96	2.64
03/25/2005	1055	GWJ	AA	Good	13.5	10.0	126	3.16	97.88	18.7	1.9	35.53	2.76
04/06/2005	1100	GWJ	AA	Good	14.0	10.0	145	2.70	49.55	18.5	1.5	27.43	1.81
05/16/2005	1245	GWJ	AA	Good	20.0	14.5	163	2.17	16.07	15.8	1.0	16.58	0.97
06/15/2005	1350	GWJ	AA	Fair	21.0	15.5	187	1.89	6.95	12.4	1.1	13.81	0.50
07/19/2005	1245	GWJ	AA	Fair	24.5	17.5	226	1.53	1.70	8.4	0.8	6.98	0.24
08/23/2005	1240	GWJ	Pygmy	Fair	24.5	15.0	296	1.22	0.34	1.7	0.4	0.70	0.48
09/20/2005	1155	GWJ	Pygmy	Poor	21.0	12.5	308	1.28	0.25	1.6	0.4	0.69	0.36
10/25/2005	1225	GWJ	Pygmy	Poor	16.5	12.5	336	1.27	0.32	1.5	0.5	0.73	0.44
11/30/2005	1310	GWJ	Pygmy	Fair	19.0	9.5	309	1.41	0.34	1.7	0.5	0.87	0.39
12/07/2005	1155	GWJ	Pygmy	Fair	11.5	5.5	257	1.46	1.13	2.4	0.7	1.66	0.68
12/20/2005	1140	GWJ	AA	Good	12.5	9.5	177	1.99	9.65	15.5	0.9	14.20	0.68
01/19/2006	1405	GWJ	AA	Good	10.0	9.0	143	2.27	20.22	15.6	1.2	18.16	1.11
02/13/2006	1405	GWJ	AA	Good	23.5	9.0	173	1.89	7.47	14.8	0.8	12.13	0.62
03/01/2006	1435	GWJ	AA	Good	17.0	9.5	130	2.71	47.12	18.1	1.5	26.34	1.79
03/22/2006	0950	GWJ	AA	Good	10.5	7.5	130	2.70	46.74	18.0	1.4	25.70	1.82
04/03/2006	1300	GWJ	AA	Good	18.0	11.0	111	3.34	121.12	21.6	2.0	42.14	2.87
05/03/2006	1020	GWJ	AA	Good	11.0	11.0	147	2.52	34.23	18.2	1.3	23.28	1.47
05/14/2006	1225	GWJ	AA	Good	20.5	13.5	183	1.96	9.20	15.7	0.8	12.26	0.75

TABLE C-5 (CONTINUED)

TRIBUTARY STATION: San Clemente Creek

Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE	SECTION	MEAN	AREA	MEAN
					TEMP.	TEMP.	CONDUCTANCE	HEIGHT		WIDTH	DEPTH		VELOCITY
					(deg C)	(deg C)	(µS)	(feet)	(CFS)	(feet)	(feet)	(sqft)	(ft/sec)
07/11/2006	1405	GWJ	Pygmy	Poor	21.0	16.0	214	1.34	0.80	2.0	0.6	1.20	0.67
07/24/2006	1050	GWJ	Pygmy	Fair	31.0	20.5	250	1.35	0.80	3.6	0.5	1.86	0.43
08/21/2006	1215	GWJ	Pygmy	Fair	20.0	14.5	270	1.29	0.41	3.6	0.4	1.51	0.27
09/21/2006	1145	GWJ	Pygmy	Poor	21.5	11.5	270	1.19	0.32	1.8	0.6	0.99	0.32
10/17/2006	1355	GWJ	Pygmy	Poor	19.0	12.0	306	1.33	0.25	1.3	0.4	0.56	0.44
10/31/2006	1400	GWJ	Pygmy	Poor	14.5	9.5	307	1.35	0.22	2.0	0.3	0.67	0.33
11/03/2006	1220	GWJ	Pygmy	Fair	18.0	13.0	278	1.67	2.53	8.0	0.7	5.73	0.44
11/09/2006	1300	GWJ	Pygmy	Poor	16.5	9.5	382	1.28	0.30	1.3	0.4	0.51	0.59
12/08/2006	0930	GWJ	Pygmy	Fair	11.0	5.0	271	1.46	0.58	3.7	0.5	1.98	0.29
12/13/2006	1255	GWJ	Pygmy	Good	17.5	10.0	217	1.72	2.93	8.6	0.7	6.42	0.46
01/08/2007	1045	GWJ	Pygmy	Good	9.0	4.5	208	1.69	2.50	8.6	0.7	6.17	0.41
01/31/2007	1350	GWJ	Pygmy	Good	14.0	7.5	219	1.67	2.28	8.6	0.7	6.14	0.37
02/27/2007	1305	GWJ	AA	Good	11.0	7.0	139	2.69	37.27	18.1	1.3	23.93	1.56
03/19/2007	1315	GWJ	Pygmy	Good	17.5	9.5	201	1.78	3.94	8.3	1.0	8.47	0.47
04/20/2007	1245	GWJ	Pygmy	Good	12.5	9.5	223	1.69	2.85	8.6	0.7	6.43	0.44
05/17/2007	1115	GWJ	Pygmy	Fair	20.0	11.0	245	1.39	1.05	3.8	0.5	1.86	0.56
06/19/2007	1155	GWJ	Pygmy	Poor	19.0	13.5	289	1.22	0.26	2.1	0.3	0.62	0.41
07/20/2007	1345	GWJ	Flume	Good	25.0	16.0	349	0.88	0.02	--	--	--	--
08/28/2007	1210	GWJ	Flume	Good	30.0	16.5	396	0.83	0.01	--	--	--	--
09/25/2007	1215	GWJ	Flume	Good	25.0	13.0	405	0.96	0.02	--	--	--	--
10/23/2007	1330	GWJ	Flume	Good	31.5	11.0	410	0.97	0.03	--	--	--	--
11/27/2007	1415	GWJ	Pygmy	Fair	18.0	6.0	367	1.31	0.38	2.2	0.4	0.82	0.47
12/14/2007	1035	GWJ	Pygmy	Poor	2.0	1.0	390	1.21	0.18	2.2	0.3	0.76	0.24
01/08/2008	1310	GWJ	AA	Good	8.5	6.0	183	2.17	14.78	17.3	0.9	15.55	0.95
02/04/2008	1305	GWJ	AA	Good	10.0	7.0	132	2.87	59.56	18.8	1.5	28.65	2.08
02/27/2008	1115	GWJ	AA	Good	19.0	8.0	150	2.64	37.79	18.5	1.3	23.93	1.58
03/28/2008	1245	GWJ	AA	Good	16.5	7.5	180	1.99	9.49	15.5	0.8	12.35	0.77
04/29/2008	1420	GWJ	AA	Fair	16.0	12.0	203	1.75	4.29	8.1	1.0	7.91	0.54
06/06/2008	1225	GWJ	AA	Fair	19.0	13.0	230	1.46	1.65	7.6	0.8	6.22	0.27
07/10/2008	0905	GWJ	Pygmy	Poor	19.0	16.0	313	1.11	0.22	2.2	0.4	0.91	0.25
08/18/2008	1515	GWJ	Flume	Good	20.0	16.0	369	0.89	0.01	--	--	--	--
09/17/2008	1125	GWJ	Flume	Good	--	--	--	0.92	0.03	--	--	--	--

TABLE C-6

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
DISCHARGE MEASUREMENT SUMMARY SHEET

MAINSTEM STATION: Sleepy Hollow Weir
Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR TEMP. (deg C)	WATER TEMP. (deg C)	SPECIFIC CONDUCTANCE (µS)	GAGE HEIGHT (feet)	DISCHARGE (CFS)	SECTION WIDTH (feet)	MEAN DEPTH (feet)	AREA (sqft)	MEAN VELOCITY (ft/sec)
10/02/2003	1420	GWJ	AA	Fair	19.5	19.0	334	1.71	9.78	11.7	1.3	14.93	0.66
11/04/2003	1105	GWJ	AA	Good	14.0	12.0	345	1.63	7.76	11.6	1.2	13.57	0.57
12/02/2003	1130	GWJ	AA	Good	17.0	11.5	357	1.66	8.21	11.7	1.2	14.52	0.57
01/06/2004	1230	GWJ	AA	Good	12.0	8.0	188	2.62	102.13	37.0	1.7	63.43	1.61
02/04/2004	1145	GWJ	AA	Good	12.0	9.5	202	2.88	145.53	39.5	2.0	79.41	1.83
03/08/2004	1325	GWJ	AA	Good	28.0	12.0	200	2.99	168.46	40.9	2.0	80.31	2.10
04/02/2004	1115	GWJ	AA	Good	18.5	12.0	230	2.37	59.93	33.6	1.5	51.07	1.17
05/03/2004	1345	GWJ	AA	Good	29.0	18.0	262	2.04	21.63	29.1	1.0	30.21	0.72
06/02/2004	1330	GWJ	AA	Fair	23.0	19.0	291	1.95	17.94	13.8	1.5	20.39	0.88
06/29/2004	1320	GWJ	AA	Fair	22.5	21.0	304	1.66	9.74	11.9	1.3	14.92	0.65
08/03/2004	1325	GWJ	AA	Fair	24.0	21.5	312	1.52	6.13	11.5	1.1	13.08	0.47
08/31/2004	1155	GWJ	AA	Fair	25.0	20.0	308	1.49	5.47	7.6	0.9	7.00	0.78
10/05/2004	1240	GWJ	AA	Good	25.0	16.5	336	1.54	6.67	10.4	1.2	12.85	0.52
11/01/2004	1325	GWJ	AA	Fair	21.0	11.5	315	1.87	15.76	12.9	1.4	18.63	0.85
12/02/2004	1410	GWJ	AA	Fair	13.5	6.5	289	1.92	18.06	13.0	1.5	19.59	0.92
02/02/2005	1120	GWJ	AA	Good	20.0	8.0	172	3.05	174.15	43.1	1.9	80.90	2.15
03/16/2005	1415	GWJ	AA	Good	21.5	11.5	206	3.14	189.17	43.1	2.0	85.88	2.20
04/14/2005	1240	GWJ	AA	Good	17.0	10.5	210	3.19	200.20	43.2	2.1	89.60	2.23
05/04/2005	1035	GWJ	AA	Good	20.0	13.0	227	2.73	115.97	40.3	1.7	69.22	1.68
06/07/2005	1320	GWJ	AA	Good	20.5	16.0	245	2.37	56.23	33.8	1.4	47.54	1.18
06/30/2005	0905	GWJ	AA	Good	19.5	17.5	262	2.16	33.82	32.6	1.2	38.33	0.88
08/02/2005	1105	GWJ	AA	Good	28.0	19.5	285	1.93	16.63	28.0	1.0	27.35	0.61
09/02/2005	0830	GWJ	AA	Good	16.0	16.5	300	1.88	14.99	27.7	0.9	26.04	0.58
10/04/2005	1410	GWJ	AA	Good	20.0	14.5	320	1.71	9.76	25.8	0.9	22.43	0.44
11/01/2005	1350	GWJ	AA	Good	21.5	12.5	330	1.71	9.61	26.0	0.9	22.82	0.42
12/07/2005	1340	GWJ	AA	Good	15.0	7.5	314	1.76	11.27	25.2	0.9	23.80	0.47
01/10/2006	1100	GWJ	AA	Good	13.0	9.0	173	2.75	120.82	39.7	1.8	69.73	1.73
02/02/2006	1355	GWJ	AA	Good	15.5	10.5	201	2.47	72.60	37.3	1.5	55.87	1.30
03/22/2006	1300	GWJ	AA	Good	18.0	9.5	180	3.57	304.28	47.6	2.3	110.18	2.76
05/04/2006	0915	GWJ	AA	Good	13.0	13.0	216	3.17	200.06	45.7	2.0	92.40	2.17
06/06/2006	1345	GWJ	AA	Good	21.0	17.5	242	2.46	71.57	35.9	1.6	56.60	1.26
07/06/2006	1220	GWJ	AA	Good	18.5	18.0	255	2.13	30.89	31.7	1.2	37.13	0.83
08/04/2006	1525	GWJ	AA	Good	22.0	20.0	302	1.93	15.29	27.1	1.0	27.70	0.55
08/31/2006	1340	GWJ	AA	Good	25.5	18.5	311	1.80	11.32	25.8	0.9	23.29	0.49
10/03/2006	1010	GWJ	AA	Good	14.5	13.0	321	1.72	9.44	25.5	0.9	22.52	0.42
11/02/2006	1205	GWJ	AA	Good	23.5	13.0	326	1.68	8.65	25.7	0.9	22.14	0.39
12/04/2006	1350	GWJ	AA	Fair	19.0	7.0	322	1.65	8.08	24.1	0.9	22.26	0.36
01/08/2007	1300	GWJ	AA	Good	17.5	6.0	270	1.99	20.64	26.1	1.2	30.68	0.67
02/06/2007	0805	GWJ	AA	Good	10.0	7.5	300	1.91	15.52	26.0	1.1	27.50	0.56
03/01/2007	1400	GWJ	AA	Good	13.0	7.0	215	2.84	137.16	38.0	2.0	76.44	1.79
04/04/2007	0830	GWJ	AA	Good	15.5	11.5	290	2.00	20.01	27.2	1.1	30.45	0.66
05/02/2007	1130	GWJ	AA	Good	15.0	13.5	300	1.89	14.51	26.4	1.1	27.86	0.52
06/04/2007	1310	GWJ	AA	Fair	24.0	19.0	334	1.71	10.32	10.5	1.3	13.61	0.76

TABLE C-6 (CONTINUED)

MAINSTEM STATION: Sleepy Hollow Weir
Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE	SECTION	MEAN	AREA	MEAN
					TEMP.	TEMP.	CONDUCTANCE	HEIGHT		WIDTH	DEPTH		VELOCITY
					(deg C)	(deg C)	(μ S)	(feet)	(CFS)	(feet)	(feet)	(sqft)	(ft/sec)
06/26/2007	0950	GWJ	AA	Fair	17.0	16.0	354	1.48	4.49	21.9	0.8	17.20	0.26
07/03/2007	1150	GWJ	AA	Fair	21.5	18.5	355	1.45	4.39	8.3	1.0	8.69	0.50
08/02/2007	1350	GWJ	AA	Fair	29.5	20.5	365	1.37	3.52	8.1	1.0	7.97	0.44
09/04/2007	1220	GWJ	AA	Fair	25.5	19.0	364	1.33	3.25	8.1	1.0	8.12	0.40
10/02/2007	1320	GWJ	AA	Fair	27.0	15.0	350	1.39	3.82	7.9	1.1	8.83	0.43
11/02/2007	1305	GWJ	AA	Fair	21.0	12.5	380	1.32	3.25	7.8	1.1	8.54	0.38
12/04/2007	1000	GWJ	AA	Fair	14.0	7.0	374	1.40	3.90	7.9	1.2	9.36	0.42
01/03/2008	1130	GWJ	AA	Fair	15.5	6.5	390	1.47	4.70	8.2	1.3	10.46	0.45
01/09/2008	1305	GWJ	AA	Good	14.0	7.0	188	2.78	127.03	37.7	1.9	72.29	1.76
02/07/2008	1125	GWJ	AA	Good	16.0	6.0	180	3.42	261.70	45.5	2.3	104.40	2.51
03/06/2008	1345	GWJ	AA	Good	20.0	9.0	210	2.94	154.95	38.0	2.1	79.92	1.94
04/01/2008	1430	GWJ	AA	Good	16.0	10.0	237	2.41	61.70	35.2	1.5	52.77	1.17
05/06/2008	1405	GWJ	AA	Good	17.0	14.0	271	2.11	29.98	31.7	1.2	37.35	0.80
06/03/2008	1330	GWJ	AA	Fair	21.5	15.0	280	1.96	18.64	28.8	1.1	30.49	0.61
07/03/2008	1130	GWJ	AA	Fair	27.0	17.0	325	1.73	10.26	9.4	1.3	11.87	0.86
08/04/2008	1135	GWJ	AA	Fair	21.0	16.5	320	1.53	5.49	8.9	1.1	9.90	0.55
09/01/2008	1310	GWJ	AA	Fair	22.5	17.5	334	1.56	6.55	9.0	1.2	10.38	0.63

TABLE C-7

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
DISCHARGE MEASUREMENT SUMMARY SHEET

TRIBUTARY STATION: Tularcitos Creek
Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR TEMP. (deg C)	WATER TEMP. (deg C)	SPECIFIC CONDUCTANCE (µS)	GAGE HEIGHT (feet)	DISCHARGE (CFS)	SECTION WIDTH (feet)	MEAN DEPTH (feet)	AREA (sqft)	MEAN VELOCITY (ft/sec)
10/28/2003	1115	GWJ	Flume	Good	26.5	13.5	1905	2.84	0.09	--	--	--	--
11/06/2003	1410	GWJ	Pygmy	Fair	17.0	13.0	1805	2.95	0.32	3.6	0.2	0.83	0.39
12/16/2003	1000	GWJ	Pygmy	Fair	8.0	5.5	1685	3.06	0.62	3.8	0.3	1.22	0.51
01/06/2004	1400	GWJ	Pygmy	Fair	10.5	8.5	1722	3.16	1.07	4.5	0.4	1.90	0.56
02/09/2004	1405	GWJ	Pygmy	Fair	19.5	8.5	1645	3.13	1.03	4.4	0.4	1.85	0.56
02/18/2004	1155	GWJ	AA	Fair	11.0	12.0	868	3.39	3.76	6.2	0.6	3.55	1.06
02/27/2004	1330	GWJ	AA	Fair	12.0	10.5	760	3.62	15.09	10.9	0.7	7.71	1.96
03/22/2004	1300	GWJ	Pygmy	Fair	19.0	14.0	1660	3.06	1.00	4.5	0.4	1.89	0.53
04/14/2004	1345	GWJ	Pygmy	Fair	20.0	13.0	1654	3.03	0.81	4.5	0.4	1.77	0.46
05/28/2004	1220	GWJ	Pygmy	Fair	23.0	16.0	1752	2.94	0.31	4.3	0.3	1.31	0.24
06/29/2004	1155	GWJ	Flume	Good	23.0	16.0	1865	2.87	0.11	--	--	--	--
07/29/2004	1040	GWJ	Flume	Good	21.0	15.0	1944	2.84	0.06	--	--	--	--
08/25/2004	1135	GWJ	Flume	Good	23.0	15.5	2000	2.78	0.01	--	--	--	--
09/14/2004	1345	GWJ	na	na	--	--	1980	--	No Flow	--	--	--	--
10/20/2004	1155	GWJ	Pygmy	Poor	16.0	13.0	2050	2.94	0.16	1.6	0.2	0.39	0.41
11/30/2004	1305	GWJ	Pygmy	Fair	10.5	6.0	1734	3.02	0.45	2.5	0.3	0.81	0.56
01/10/2005	1030	GWJ	Pygmy	Fair	13.0	10.0	1624	3.15	1.57	5.7	0.5	3.09	0.51
02/16/2005	1015	GWJ	Pygmy	Fair	16.0	11.0	1509	3.16	1.74	5.8	0.5	3.04	0.57
02/22/2005	1435	GWJ	AA	Fair	19.0	11.5	1005	3.40	6.89	8.7	0.7	5.96	1.16
03/21/2005	1120	GWJ	Pygmy	Fair	16.5	11.0	1460	3.17	1.93	5.7	0.5	2.94	0.66
03/24/2005	1335	GWJ	AA	Fair	20.0	12.0	822	3.54	12.36	10.8	0.6	6.57	1.88
04/11/2005	1105	GWJ	AA	Fair	15.0	11.0	1119	3.29	4.21	6.0	0.6	3.87	1.09
04/29/2005	1410	GWJ	Pygmy	Fair	24.0	14.0	1360	3.15	1.85	5.8	0.5	3.05	0.61
05/31/2005	1330	GWJ	Pygmy	Fair	21.0	16.5	1575	3.06	0.90	3.9	0.5	1.80	0.50
06/28/2005	1215	GWJ	Pygmy	Fair	18.5	16.0	1644	3.03	0.59	3.9	0.4	1.62	0.36
07/26/2005	1325	GWJ	Pygmy	Fair	24.5	15.0	1728	3.00	0.22	2.1	0.3	0.53	0.42
09/06/2005	1450	GWJ	Pygmy	Poor	22.0	15.0	1802	3.00	0.12	2.0	0.2	0.47	0.25
10/06/2005	1500	GWJ	Pygmy	Fair	25.5	13.0	1787	3.02	0.12	2.0	0.2	0.46	0.27
11/07/2005	1330	GWJ	Pygmy	Fair	20.5	12.5	1694	3.11	0.39	2.4	0.3	0.73	0.54
12/14/2005	1305	GWJ	Pygmy	Fair	15.0	7.0	1620	3.18	0.65	2.7	0.3	0.90	0.72
01/02/2006	1210	GWJ	AA	Fair	12.5	11.0	1039	3.53	6.63	9.7	0.5	4.87	1.36
01/24/2006	1425	GWJ	Pygmy	Fair	20.0	8.0	1548	3.20	1.08	5.7	0.5	2.74	0.39
02/23/2006	1120	GWJ	Pygmy	Fair	19.5	7.0	1540	3.19	0.93	5.7	0.5	2.71	0.34
03/15/2006	1515	GWJ	AA	Fair	16.5	11.0	572	3.77	21.37	10.2	0.9	8.73	2.45
03/29/2006	1305	GWJ	AA	Fair	13.5	10.0	897	3.47	8.57	9.5	0.6	5.74	1.49
04/06/2006	1210	GWJ	AA	Fair	19.0	10.0	523	4.07	47.74	11.7	1.1	13.38	3.57
04/27/2006	1320	GWJ	AA	Fair	24.5	15.0	1012	3.42	7.61	8.0	0.9	6.82	1.12
06/05/2006	1430	GWJ	Pygmy	Fair	20.5	17.5	1350	3.24	1.92	6.4	0.5	3.38	0.57
07/28/2006	1145	GWJ	Pygmy	Fair	21.5	16.5	1650	3.12	0.36	2.4	0.3	0.76	0.48
08/21/2006	1340	GWJ	Pygmy	Fair	19.5	16.0	1630	3.13	0.42	2.6	0.3	0.89	0.47
09/21/2006	1320	GWJ	Pygmy	Fair	19.0	13.5	1685	3.12	0.28	2.5	0.3	0.73	0.38
10/24/2006	1025	GWJ	Pygmy	Fair	15.5	9.5	1645	3.16	0.43	2.5	0.3	0.80	0.53
11/30/2006	1530	GWJ	Pygmy	Fair	13.5	7.0	1545	3.24	0.79	2.8	0.4	1.13	0.70

TABLE C-7 (CONTINUED)

TRIBUTARY STATION: Tularcitos Creek
Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE	SECTION	MEAN	AREA	MEAN
					TEMP.	TEMP.	CONDUCTANCE	HEIGHT		WIDTH	DEPTH		VELOCITY
					(deg C)	(deg C)	(μ S)	(feet)	(CFS)	(feet)	(feet)	(sqft)	(ft/sec)
01/11/2007	1425	GWJ	Pygmy	Fair	8.5	6.5	1520	3.29	1.06	2.7	0.4	1.21	0.87
02/20/2007	1415	GWJ	Pygmy	Fair	16.0	9.0	1608	3.26	1.09	5.4	0.6	3.45	0.32
03/23/2007	1045	GWJ	Pygmy	Fair	17.5	8.5	1601	3.24	1.27	2.7	0.4	1.12	1.14
04/25/2007	1345	GWJ	Pygmy	Fair	14.0	11.0	1598	3.22	1.12	2.9	0.4	1.15	0.97
05/29/2007	1525	GWJ	Pygmy	Fair	20.5	15.0	1675	3.16	0.56	2.9	0.3	0.93	0.60
06/26/2007	1140	GWJ	Pygmy	Fair	18.0	12.5	1790	3.10	0.24	2.7	0.3	0.72	0.33
07/24/2007	1355	GWJ	Pygmy	Poor	22.0	17.5	1857	3.06	0.09	1.3	0.3	0.33	0.26
08/31/2007	1230	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/04/2007	1145	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
10/04/2007	1430	GWJ	Pygmy	Poor	17.0	11.5	1920	3.09	0.09	.9	0.3	0.25	0.35
11/20/2007	1025	GWJ	Pygmy	Fair	11.0	8.5	1740	3.19	0.34	2.4	0.3	0.79	0.43
12/20/2007	1415	GWJ	Pygmy	Fair	13.0	8.0	1685	3.39	0.65	5.4	0.6	3.27	0.20
01/08/2008	1450	GWJ	Pygmy	Fair	9.5	7.0	1773	3.28	1.23	5.3	0.6	3.18	0.39
02/04/2008	1505	GWJ	AA	Fair	10.0	8.0	673	3.75	18.91	9.3	1.0	9.75	1.94
02/27/2008	1325	GWJ	AA	Fair	19.0	11.0	1200	3.42	5.28	6.2	0.9	5.71	0.92
04/08/2008	1125	GWJ	Pygmy	Fair	14.5	8.5	1520	3.26	1.39	3.9	0.4	1.74	0.80
05/20/2008	1455	GWJ	Pygmy	Fair	23.0	15.5	1650	3.20	0.49	3.9	0.4	1.37	0.36
06/24/2008	1315	GWJ	Pygmy	Poor	21.0	13.5	1785	3.16	0.20	2.1	0.2	0.44	0.45
07/22/2008	1445	GWJ	Pygmy	Poor	26.0	16.0	1870	3.13	0.11	2.0	0.2	0.35	0.32
09/08/2008	1220	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/17/2008	1410	GWJ	Flume	Good	--	--	--	3.07	0.04	--	--	--	--

TABLE C-8

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
DISCHARGE MEASUREMENT SUMMARY SHEET

TRIBUTARY STATION: Hitchcock Creek
Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR TEMP. (deg C)	WATER TEMP. (deg C)	SPECIFIC CONDUCTANCE (µS)	GAGE HEIGHT (feet)	DISCHARGE (CFS)	SECTION WIDTH (feet)	MEAN DEPTH (feet)	AREA (sqft)	MEAN VELOCITY (ft/sec)
10/10/2003	1315	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/04/2003	1215	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/02/2003	1240	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/06/2004	1435	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/26/2004	1400	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
02/03/2004	1510	GWJ	Pygmy	Fair	10.5	9.5	623	2.79	2.14	5.2	0.4	1.98	1.08
02/17/2004	1310	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
02/18/2004	1250	GWJ	AA	Poor	13.5	11.5	238	3.12	8.05	8.6	0.6	4.88	1.65
03/09/2004	1310	GWJ	Pygmy	Fair	28.5	15.0	491	2.61	0.75	3.1	0.4	1.21	0.62
03/31/2004	1120	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
04/09/2004	1345	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
06/02/2004	1430	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
07/16/2004	1115	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/14/2004	1300	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
10/12/2004	1040	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/09/2004	1330	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/06/2004	1315	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/29/2004	1040	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/30/2004	1245	GWJ	AA	Poor	14.0	9.5	400	3.17	8.86	9.9	0.7	6.97	1.27
01/05/2005	1015	GWJ	Pygmy	Fair	12.0	7.5	432	2.73	1.73	4.3	0.4	1.54	1.12
01/28/2005	1130	GWJ	AA	Poor	13.0	10.0	349	2.82	2.81	5.3	0.6	3.15	0.89
02/25/2005	1140	GWJ	Pygmy	Fair	14.0	10.5	295	2.92	4.32	5.9	0.5	2.92	1.48
03/21/2005	1230	GWJ	Pygmy	Fair	17.0	11.5	476	2.68	1.06	3.8	0.6	2.22	0.48
03/24/2005	1440	GWJ	AA	Fair	19.0	11.5	237	3.18	10.74	6.7	0.8	5.12	2.10
04/12/2005	1040	GWJ	Pygmy	Fair	14.0	10.5	426	2.72	1.48	4.4	0.6	2.61	0.57
05/23/2005	1325	GWJ	Estimate	na	--	--	--	2.35	0.01	--	--	--	--
05/31/2005	1300	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
06/30/2005	1030	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
07/25/2005	1130	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
08/23/2005	1405	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/26/2005	0945	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
10/25/2005	1320	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/07/2005	1400	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/14/2005	1200	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/30/2005	1100	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/02/2006	1305	GWJ	AA	Fair	14.0	11.5	237	3.45	18.17	7.7	1.0	7.61	2.39
01/25/2006	1005	GWJ	Pygmy	Poor	15.0	6.0	588	2.52	0.26	2.3	0.4	0.83	0.31
02/21/2006	1200	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
03/06/2006	1355	TTC	AA	Fair	20.0	12.0	257	3.00	6.43	7.0	0.6	3.96	1.63
04/04/2006	1125	GWJ	AA	Fair	12.5	11.0	202	3.33	15.00	7.1	0.9	6.29	2.39
04/12/2006	1400	GWJ	Pygmy	Fair	17.0	11.5	295	2.82	4.88	5.8	0.7	4.13	1.18
05/08/2006	1500	GWJ	Pygmy	Fair	23.0	16.5	510	2.42	0.36	2.7	0.4	0.98	0.37
05/30/2006	1225	GWJ	Pygmy	Poor	20.5	14.0	608	2.24	0.01	.4	0.2	0.06	0.17

TABLE C-8 (CONTINUED)

TRIBUTARY STATION: Hitchcock Creek

Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE	SECTION	MEAN	AREA	MEAN
					TEMP.	TEMP.	CONDUCTANCE	HEIGHT		WIDTH	DEPTH		VELOCITY
					(deg C)	(deg C)	(μ S)	(feet)	(CFS)	(feet)	(feet)	(sqft)	(ft/sec)
06/05/2006	1400	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/21/2006	1345	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
10/03/2006	1200	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/01/2006	1405	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/01/2006	1425	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/05/2007	1400	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
02/06/2007	0925	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
02/13/2007	1330	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
02/28/2007	0845	BC	Gage	na	--	--	--	2.51	--	--	--	--	--
03/05/2007	1315	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
04/20/2007	1430	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
05/09/2007	1215	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
07/03/2007	1045	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
08/03/2007	1215	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
10/09/2007	1330	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/01/2007	1420	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/16/2007	1145	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/07/2008	1505	GWJ	Gage	na	--	--	--	2.53	--	--	--	--	--
01/09/2008	1445	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/30/2008	1155	GWJ	AA	Fair	11.0	7.0	321	2.87	4.75	5.9	0.6	3.71	1.28
02/15/2008	0815	GWJ	Pygmy	Fair	3.0	3.5	506	2.49	0.47	3.6	0.4	1.39	0.34
02/28/2008	0935	GWJ	Pygmy	Fair	15.0	7.5	364	2.72	2.39	4.7	0.6	2.74	0.87
04/01/2008	1300	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
05/01/2008	1400	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
06/02/2008	1405	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
07/03/2008	1230	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
08/04/2008	1245	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/08/2008	1210	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--

TABLE C-9

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
DISCHARGE MEASUREMENT SUMMARY SHEET

TRIBUTARY STATION: Garzas Creek near Lower Garzas Canyon
Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR TEMP. (deg C)	WATER TEMP. (deg C)	SPECIFIC CONDUCTANCE (µS)	GAGE HEIGHT (feet)	DISCHARGE (CFS)	SECTION WIDTH (feet)	MEAN DEPTH (feet)	AREA (sqft)	MEAN VELOCITY (ft/sec)
10/30/2003	1130	GWJ	na	na	--	--	519	--	No Flow	--	--	--	--
11/17/2003	0930	GWJ	na	na	--	--	536	--	No Flow	--	--	--	--
12/17/2003	1510	GWJ	Pygmy	Poor	12.5	8.0	453	2.16	0.24	2.5	0.2	0.60	0.41
12/26/2003	1110	GWJ	Pygmy	Fair	9.0	9.0	383	2.42	1.03	3.5	0.4	1.54	0.67
12/30/2003	0835	GWJ	AA	Fair	12.0	9.5	157	3.06	12.05	9.9	1.2	11.63	1.04
01/23/2004	1130	GWJ	Pygmy	Fair	9.5	5.5	210	2.45	1.71	3.9	0.7	2.82	0.60
02/03/2004	1220	GWJ	AA	Fair	12.0	9.0	166	3.25	25.87	18.4	1.6	29.66	0.87
02/17/2004	1115	GWJ	AA	Fair	17.5	11.0	150	2.68	2.95	8.9	0.8	7.19	0.41
03/12/2004	1300	GWJ	AA	Fair	24.5	13.0	170	2.83	6.44	9.2	1.1	9.90	0.65
03/31/2004	1345	GWJ	Pygmy	Fair	15.5	13.0	206	2.58	2.57	7.5	0.9	6.92	0.37
04/14/2004	1115	GWJ	Pygmy	Fair	13.0	11.0	227	2.43	1.51	3.6	0.5	1.93	0.78
05/07/2004	1230	GWJ	Pygmy	Fair	19.0	14.0	274	2.19	0.41	2.5	0.6	1.42	0.29
05/21/2004	0925	GWJ	Pygmy	Fair	14.0	13.0	247	2.32	0.89	2.6	0.7	1.70	0.52
06/10/2004	1330	GWJ	Pygmy	Poor	21.0	16.5	288	2.11	0.13	1.4	0.2	0.26	0.50
06/24/2004	1330	GWJ	Flume	Good	23.5	18.0	293	2.07	0.13	--	--	--	--
07/09/2004	1115	GWJ	Flume	Good	19.5	15.5	333	1.98	0.01	--	--	--	--
07/20/2004	1410	GWJ	Flume	Good	22.0	17.0	360	1.91	--	--	--	--	--
08/16/2004	1215	GWJ	na	na	--	--	433	--	No Flow	--	--	--	--
08/27/2004	1150	GWJ	na	na	--	--	461	--	No Flow	--	--	--	--
09/13/2004	1200	GWJ	na	na	--	--	502	--	No Flow	--	--	--	--
10/08/2004	0725	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
10/22/2004	0910	GWJ	Pygmy	Poor	10.0	11.0	384	2.07	0.11	1.4	0.2	0.28	0.38
11/19/2004	0905	GWJ	Pygmy	Poor	11.0	10.0	427	2.06	0.05	1.3	0.2	0.23	0.20
12/20/2004	1215	GWJ	Pygmy	Fair	11.0	6.0	246	2.37	0.91	3.1	0.5	1.66	0.55
01/21/2005	0930	GWJ	AA	Fair	5.5	7.5	120	2.97	11.72	12.8	1.6	20.36	0.58
02/11/2005	1040	GWJ	AA	Fair	12.5	10.0	173	2.84	7.65	12.4	1.4	17.74	0.43
03/22/2005	1045	GWJ	AA	Fair	17.0	12.0	134	3.58	78.82	18.4	1.7	30.41	2.59
04/05/2005	1030	GWJ	AA	Good	12.5	10.0	152	3.14	26.49	18.1	1.5	26.49	1.00
05/02/2005	1205	GWJ	AA	Good	20.0	13.0	181	2.90	9.03	12.8	1.5	19.19	0.47
05/19/2005	1305	GWJ	AA	Fair	23.0	17.0	190	2.75	5.58	9.1	1.0	8.82	0.63
06/28/2005	1345	GWJ	Pygmy	Fair	20.5	16.0	206	2.48	1.74	6.5	0.9	5.70	0.30
07/21/2005	1210	GWJ	Pygmy	Fair	18.0	16.5	231	2.31	0.91	2.6	0.6	1.61	0.56
08/17/2005	1250	GWJ	Pygmy	Poor	22.5	15.5	309	2.01	0.06	.8	0.1	0.08	0.72
08/30/2005	1620	GWJ	Flume	Good	29.5	16.0	334	1.95	0.01	--	--	--	--
10/07/2005	1015	GWJ	Flume	Good	11.5	11.0	418	1.94	--	--	--	--	--
11/03/2005	1425	GWJ	Flume	Good	15.5	11.5	410	2.06	0.04	--	--	--	--
12/13/2005	1250	GWJ	Pygmy	Poor	13.5	9.0	300	2.12	0.17	1.4	0.3	0.43	0.39
01/23/2006	1105	GWJ	AA	Fair	12.0	6.5	151	2.87	7.65	9.6	1.1	10.12	0.76
02/15/2006	1245	GWJ	AA	Fair	10.0	9.0	186	2.62	2.64	6.8	1.0	6.68	0.39
03/01/2006	1120	TTC	AA	Fair	14.0	10.0	137	3.11	23.69	14.9	1.3	19.66	1.21
04/03/2006	1020	GWJ	AA	Good	14.5	11.0	127	3.49	65.32	21.8	1.8	39.56	1.65
04/17/2006	1240	GWJ	AA	Good	15.5	11.5	141	3.25	40.23	19.0	1.5	28.12	1.43
05/25/2006	1400	GWJ	AA	Fair	18.0	15.5	173	2.71	6.09	8.4	1.1	8.84	0.69

TABLE C-9 (CONTINUED)

TRIBUTARY STATION: Garzas Creek near Lower Garzas Canyon
Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE	SECTION	MEAN	AREA	MEAN
					TEMP.	TEMP.	CONDUCTANCE	HEIGHT		WIDTH	DEPTH		VELOCITY
					(deg C)	(deg C)	(µS)	(feet)	(CFS)	(feet)	(feet)	(sqft)	(ft/sec)
07/10/2006	1405	GWJ	Pygmy	Fair	22.0	17.5	209	2.35	0.90	4.6	0.5	2.40	0.38
08/10/2006	1040	GWJ	Pygmy	Poor	24.5	16.0	317	1.97	0.01	.5	0.1	0.06	0.23
08/22/2006	1305	GWJ	Flume	Good	22.5	15.5	336	1.95	0.01	--	--	--	--
09/05/2006	1510	GWJ	Flume	Good	--	--	--	1.95	0.02	--	--	--	--
09/25/2006	1225	GWJ	Flume	Good	22.5	14.0	387	1.94	0.01	--	--	--	--
10/30/2006	1250	GWJ	Flume	Good	13.5	11.5	425	1.99	--	--	--	--	--
12/06/2006	1015	GWJ	Flume	Good	4.0	6.0	460	2.12	0.10	--	--	--	--
12/14/2006	1445	GWJ	Pygmy	Fair	15.5	10.5	229	2.46	1.61	6.4	0.6	3.63	0.44
01/16/2007	1210	GWJ	Pygmy	Fair	4.5	1.5	198	2.44	1.31	6.5	0.5	3.46	0.38
02/28/2007	1300	GWJ	AA	Fair	11.5	8.0	162	3.19	29.21	20.6	1.4	29.12	1.00
03/21/2007	1245	GWJ	Pygmy	Fair	14.0	10.0	212	2.51	2.06	6.7	0.7	4.41	0.47
04/17/2007	1400	GWJ	Pygmy	Fair	15.0	11.0	237	2.35	0.94	6.3	0.5	2.99	0.31
05/15/2007	0915	GWJ	Pygmy	Fair	13.5	11.0	268	2.24	0.57	2.5	0.3	0.77	0.74
07/05/2007	1025	GWJ	Flume	Good	20.5	14.0	344	1.93	0.01	--	--	--	--
07/16/2007	1130	GWJ	Flume	Good	19.5	15.0	369	1.92	--	--	--	--	--
07/31/2007	1420	GWJ	Flume	Fair	20.0	15.5	388	1.89	--	--	--	--	--
08/17/2007	1205	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/18/2007	1430	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
10/15/2007	1415	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/14/2007	0955	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/17/2007	1430	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/17/2008	1445	GWJ	Pygmy	Fair	12.0	5.0	236	2.45	2.35	8.5	0.5	4.32	0.54
02/12/2008	1410	GWJ	AA	Fair	20.0	9.0	150	2.91	10.84	14.6	1.2	17.05	0.64
03/05/2008	1455	GWJ	AA	Fair	19.5	10.0	179	2.87	10.14	17.1	1.1	18.60	0.55
03/27/2008	1255	GWJ	AA	Fair	12.5	9.0	203	2.54	3.15	8.6	0.6	5.39	0.58
05/05/2008	1100	GWJ	Pygmy	Fair	15.0	10.0	236	2.37	1.20	7.0	0.6	4.19	0.29
05/14/2008	1325	GWJ	Pygmy	Fair	30.0	14.0	249	2.28	0.85	2.9	0.5	1.45	0.59
06/09/2008	1450	GWJ	Pygmy	Poor	33.0	17.5	290	2.06	0.13	1.9	0.2	0.46	0.27
06/30/2008	1435	GWJ	Pygmy	Poor	--	--	313	2.01	0.03	.9	0.1	0.13	0.25
08/12/2008	1215	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
08/26/2008	1400	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/30/2008	1245	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--

TABLE C-10

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
DISCHARGE MEASUREMENT SUMMARY SHEET

TRIBUTARY STATION: Garzas Creek at Garzas Road
Water Years: 2004-2008

DATE	TIME	MADE		RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE	SECTION	MEAN	AREA	MEAN
		BY	INSTRUMENT		TEMP.	TEMP.	CONDUCTANCE	HEIGHT		WIDTH	DEPTH		VELOCITY
					(deg C)	(deg C)	(µS)	(feet)	(CFS)	(feet)	(feet)	(sqft)	(ft/sec)
10/02/2003	1325	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/04/2003	1225	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/02/2003	1030	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/29/2003	0750	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/30/2003	0945	GWJ	AA	Fair	12.5	10.0	164	1.98	8.83	15.3	1.0	14.85	0.60
01/23/2004	1245	GWJ	Pygmy	Poor	15.0	7.0	226	1.52	0.10	1.3	0.2	0.21	0.46
01/28/2004	1405	GWJ	Pygmy	Poor	15.0	10.5	220	1.60	0.48	2.2	0.5	1.04	0.46
02/03/2004	1355	GWJ	AA	Fair	12.0	9.5	166	2.21	26.74	16.4	1.3	21.35	1.25
02/17/2004	1230	GWJ	AA	Fair	22.0	12.0	163	1.71	2.08	8.1	0.7	5.83	0.36
02/18/2004	1400	GWJ	AA	Fair	14.0	11.5	98	2.49	71.04	20.5	1.9	38.33	1.85
03/12/2004	1435	GWJ	AA	Fair	24.0	14.5	176	1.83	4.65	11.1	0.8	9.41	0.49
03/31/2004	1205	GWJ	Pygmy	Fair	17.0	13.0	211	1.65	1.76	6.6	0.5	3.57	0.49
04/14/2004	1250	GWJ	Pygmy	Fair	18.0	13.5	234	1.53	0.55	2.7	0.5	1.25	0.44
04/26/2004	1330	GWJ	Pygmy	Poor	35.5	19.0	245	1.30	0.02	.6	0.1	0.07	0.25
05/03/2004	1200	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
06/04/2004	1330	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
07/01/2004	1415	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
08/03/2004	0730	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/21/2004	1320	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
10/20/2004	1040	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/09/2004	1345	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/06/2004	1300	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/27/2004	1515	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/29/2004	1200	GWJ	AA	Fair	13.5	8.0	--	1.86	3.27	15.9	0.7	10.54	0.31
01/04/2005	1340	GWJ	AA	Fair	14.0	8.0	130	2.17	29.82	20.0	1.1	22.80	1.31
01/10/2005	1205	GWJ	AA	Good	14.5	10.0	103	2.38	64.67	22.6	1.3	29.00	2.23
01/21/2005	1115	GWJ	AA	Fair	14.5	8.0	118	1.95	10.59	17.0	0.9	15.45	0.69
02/11/2005	1215	GWJ	AA	Good	14.0	10.5	173	1.81	5.99	16.2	0.8	12.35	0.49
02/22/2005	1305	GWJ	AA	Good	19.5	11.0	108	2.54	92.12	23.6	1.4	33.78	2.73
03/17/2005	1130	GWJ	AA	Good	13.0	11.0	166	1.95	13.41	16.4	1.0	16.79	0.80
03/24/2005	1525	GWJ	AA	Good	19.5	11.5	115	2.43	67.75	22.8	1.3	30.44	2.23
04/05/2005	1230	GWJ	AA	Good	17.5	11.0	156	2.10	25.07	17.3	1.0	16.54	1.52
05/02/2005	1330	GWJ	AA	Fair	20.5	15.0	184	1.90	7.89	10.7	1.1	11.37	0.69
05/19/2005	1200	GWJ	AA	Fair	24.5	17.0	191	1.86	4.71	10.6	1.0	10.17	0.46
06/28/2005	1510	GWJ	Pygmy	Fair	20.5	19.5	215	1.67	0.84	4.4	0.5	2.27	0.37
07/12/2005	1325	GWJ	Pygmy	Poor	24.0	21.5	230	1.30	0.03	.6	0.1	0.07	0.39
07/19/2005	1105	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
07/21/2005	1035	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
07/26/2005	1115	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
08/02/2005	1240	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
08/30/2005	1500	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/27/2005	1455	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
10/07/2005	0900	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--

TABLE C-10 (CONTINUED)

TRIBUTARY STATION: Garzas Creek at Garzas Road
Water Years: 2004-2008

DATE	TIME	MADE		RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE	SECTION	MEAN	AREA	MEAN
		BY	INSTRUMENT		TEMP.	TEMP.	CONDUCTANCE	HEIGHT		WIDTH	DEPTH		VELOCITY
					(deg C)	(deg C)	(µS)	(feet)	(CFS)	(feet)	(feet)	(sqft)	(ft/sec)
10/25/2005	1330	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/16/2005	1330	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/20/2005	1310	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/30/2005	1200	GWJ	AA	Fair	17.0	10.0	212	1.94	4.69	10.8	1.0	10.67	0.44
01/02/2006	1410	GWJ	AA	Fair	14.0	11.5	128	2.74	127.63	24.2	1.7	41.02	3.11
01/23/2006	1500	GWJ	AA	Fair	21.0	8.0	162	1.85	7.22	15.4	0.8	12.06	0.60
02/15/2006	1430	GWJ	Pygmy	Fair	10.5	10.0	190	1.68	2.03	6.7	0.6	3.78	0.54
03/01/2006	1420	RK	AA	Fair	17.5	11.5	143	2.06	22.59	16.0	1.3	21.27	1.06
03/17/2006	1040	GWJ	AA	Good	11.5	9.5	121	2.27	47.30	18.9	1.3	24.99	1.89
04/06/2006	1330	GWJ	AA	Good	17.5	10.5	101	2.84	140.61	23.9	1.7	40.81	3.45
04/17/2006	1435	GWJ	AA	Good	17.0	12.5	137	2.33	35.42	20.8	1.1	22.94	1.54
05/25/2006	1130	GWJ	AA	Fair	15.5	14.5	176	1.80	4.63	10.1	0.8	8.10	0.57
07/10/2006	1535	GWJ	Pygmy	Fair	22.5	20.5	214	1.34	0.29	2.1	0.3	0.58	0.50
07/20/2006	0740	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
08/31/2006	1220	GWJ	Pygmy	na	--	--	--	--	No Flow	--	--	--	--
09/27/2006	1500	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
10/03/2006	1205	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
10/30/2006	1145	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/30/2006	1430	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/20/2006	1500	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/22/2006	1205	GWJ	Pygmy	Poor	16.0	8.0	217	1.32	0.16	1.4	0.4	0.55	0.29
01/11/2007	1330	GWJ	Pygmy	Poor	13.0	7.0	218	1.35	0.13	1.4	0.3	0.49	0.26
02/13/2007	1245	GWJ	Pygmy	Fair	13.0	9.0	235	1.51	0.60	3.0	0.5	1.51	0.39
02/28/2007	1430	GWJ	AA	Fair	10.5	8.0	180	2.47	28.70	18.0	1.6	28.84	1.00
03/16/2007	1330	GWJ	Pygmy	Fair	23.0	13.0	219	1.76	1.12	5.6	0.5	2.98	0.38
04/13/2007	1420	GWJ	Pygmy	Poor	19.0	14.0	242	1.48	0.08	1.3	0.2	0.32	0.26
05/02/2007	1345	GWJ	Pygmy	Poor	18.0	14.0	250	1.40	0.13	1.3	0.4	0.47	0.27
05/09/2007	1205	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
06/19/2007	0940	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
07/17/2007	1215	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
08/14/2007	1150	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/18/2007	1500	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
10/09/2007	1300	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/06/2007	1220	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/04/2007	1105	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/31/2007	1055	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/05/2008	1455	GWJ	AA	Fair	13.0	8.5	185	2.07	19.64	16.2	1.3	21.58	0.91
01/14/2008	1420	GWJ	Pygmy	Fair	21.0	7.0	226	1.48	1.25	6.2	0.5	3.28	0.38
01/31/2008	1145	GWJ	AA	Good	14.5	7.0	136	2.10	23.26	20.5	0.8	17.20	1.35
02/25/2008	1455	GWJ	AA	Good	16.0	9.5	141	2.18	37.09	20.6	1.1	21.67	1.71
03/27/2008	1400	GWJ	Pygmy	Fair	14.0	10.5	210	1.45	1.78	6.2	0.5	3.24	0.55
04/15/2008	1425	GWJ	Pygmy	Fair	16.0	13.0	230	1.29	0.73	3.9	0.5	2.00	0.37
05/05/2008	1425	GWJ	Pygmy	Poor	18.5	15.5	239	1.05	0.36	2.0	0.4	0.73	0.49
05/13/2008	1435	GWJ	Pygmy	Poor	24.0	19.0	257	0.72	0.03	.5	0.2	0.12	0.26
05/27/2008	1350	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
06/03/2008	1210	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--

TABLE C-10 (CONTINUED)

TRIBUTARY STATION: Garzas Creek at Garzas Road
 Water Years: 2004-2008

DATE	TIME	MADE		RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE	SECTION	MEAN		MEAN
		BY	INSTRUMENT		TEMP.	TEMP.	CONDUCTANCE	HEIGHT		WIDTH	DEPTH	AREA	VELOCITY
					(deg C)	(deg C)	(μ S)	(feet)	(CFS)	(feet)	(feet)	(sqft)	(ft/sec)
06/30/2008	1555	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
07/29/2008	1415	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
08/25/2008	1440	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/22/2008	1300	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--

TABLE C-11

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
DISCHARGE MEASUREMENT SUMMARY SHEET

MAINSTEM STATION: Don Juan Bridge
Water Years: 2004-2008

DATE	TIME	MADE		RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE	SECTION	MEAN	AREA	MEAN
		BY	INSTRUMENT		TEMP.	TEMP.	CONDUCTANCE	HEIGHT		WIDTH	DEPTH		VELOCITY
					(deg C)	(deg C)	(µS)	(feet)	(CFS)	(feet)	(feet)	(sqft)	(ft/sec)
10/02/2003	1220	GWJ	AA	Fair	18.0	17.5	375	3.21	6.59	21.7	0.7	16.24	0.41
11/04/2003	1250	GWJ	AA	Fair	14.0	14.0	384	3.30	5.93	22.0	0.8	18.52	0.32
11/06/2003	1500	GWJ	AA	Fair	16.0	17.0	385	3.13	5.11	22.1	0.7	14.84	0.34
12/02/2003	1330	GWJ	AA	Fair	18.0	15.0	399	3.22	7.71	21.8	0.8	16.54	0.47
01/02/2004	1035	GWJ	AA	Fair	11.0	10.0	191	5.53	400.03	68.0	2.1	140.37	2.85
01/22/2004	1235	GWJ	AA	Good	16.5	10.5	313	3.73	39.27	33.2	1.1	34.89	1.13
02/06/2004	1135	GWJ	AA	Good	16.0	9.5	249	4.36	124.24	50.0	1.3	66.81	1.86
02/19/2004	1440	GWJ	AA	Fair	11.5	11.0	220	5.16	296.33	65.8	1.8	115.55	2.56
02/26/2004	1300	GWJ	AA	Fair	--	--	--	7.33	1466.77	67.0	4.9	328.50	4.47
03/08/2004	1130	GWJ	AA	Good	27.0	12.5	233	4.89	181.14	58.0	1.5	88.84	2.04
03/24/2004	1125	GWJ	AA	Good	18.5	14.0	285	4.28	73.04	36.5	1.2	42.99	1.70
04/06/2004	1345	GWJ	AA	Good	13.5	15.0	301	4.11	52.09	34.4	1.0	35.91	1.45
04/26/2004	1130	GWJ	AA	Good	31.0	16.0	316	3.88	29.07	29.0	1.4	39.42	0.74
05/13/2004	0940	GWJ	AA	Good	18.0	14.0	321	3.80	23.13	28.9	1.2	36.05	0.64
06/04/2004	1215	GWJ	AA	Fair	18.5	17.0	355	3.67	13.63	23.4	1.1	26.07	0.52
07/06/2004	1135	GWJ	AA	Good	18.5	17.5	396	3.51	6.51	18.3	0.6	10.62	0.61
08/05/2004	1345	GWJ	Pygmy	Fair	20.0	20.0	414	3.39	3.27	14.4	0.5	7.38	0.44
09/14/2004	1200	GWJ	Pygmy	Fair	27.0	17.5	431	3.38	2.34	13.8	0.5	6.75	0.35
10/05/2004	1415	GWJ	Pygmy	Fair	19.0	16.5	429	3.40	3.25	13.9	0.5	7.34	0.44
10/26/2004	1310	GWJ	AA	Good	17.0	14.0	395	3.58	9.13	23.6	1.0	24.08	0.38
11/19/2004	1010	GWJ	AA	Good	12.0	12.5	377	3.70	15.04	23.6	1.2	28.07	0.54
12/09/2004	1310	GWJ	AA	Good	19.5	13.0	350	3.88	29.58	40.9	1.1	46.69	0.63
12/29/2004	1325	GWJ	AA	Fair	12.0	9.0	--	5.19	240.81	68.0	1.8	120.44	2.00
12/31/2004	1245	GWJ	AA	Fair	--	--	--	8.56	2155.05	72.0	6.4	462.05	4.66
01/05/2005	1230	GWJ	AA	Fair	16.0	9.0	184	5.70	347.99	78.2	1.4	108.75	3.20
01/11/2005	1030	GWJ	AA	Fair	--	--	--	7.54	1503.15	67.0	5.2	347.25	4.33
01/25/2005	1210	GWJ	AA	Fair	19.0	11.0	227	4.96	168.30	66.6	1.3	88.21	1.91
03/07/2005	1350	GWJ	AA	Good	20.0	12.5	210	5.68	395.55	69.3	2.1	144.07	2.75
03/23/2005	1355	GWJ	AA	Fair	17.0	12.0	148	7.51	1524.40	68.0	5.1	349.55	4.36
04/13/2005	1145	GWJ	AA	Fair	14.0	11.0	231	5.23	257.29	66.5	1.7	110.32	2.33
04/26/2005	1235	GWJ	AA	Good	20.5	12.5	241	4.79	145.48	63.3	1.2	77.63	1.87
05/26/2005	1130	GWJ	AA	Good	17.0	16.0	280	4.26	74.98	32.7	0.9	30.98	2.42
06/22/2005	1130	GWJ	AA	Good	23.0	15.5	309	3.96	40.57	28.6	0.9	25.96	1.56
07/22/2005	1215	GWJ	AA	Good	24.0	17.5	346	3.68	17.43	27.6	0.7	19.09	0.91
08/31/2005	1250	GWJ	AA	Good	25.5	17.5	368	3.51	9.05	20.8	0.9	18.09	0.50
09/20/2005	1340	GWJ	AA	Good	19.0	16.5	383	3.49	7.99	18.5	0.8	15.66	0.51
10/25/2005	1400	GWJ	AA	Fair	17.0	15.0	397	3.50	8.22	18.5	0.9	16.42	0.50
11/30/2005	1420	GWJ	AA	Good	19.5	14.5	423	3.53	8.69	18.3	0.9	16.69	0.52
12/30/2005	1310	GWJ	AA	Good	19.5	11.5	257	4.39	89.74	40.8	1.2	47.44	1.89
01/03/2006	1340	GWJ	AA	Fair	13.5	10.5	156	6.68	910.29	65.4	4.0	262.70	3.47
01/10/2006	1355	GWJ	AA	Good	17.5	10.5	223	4.67	138.96	42.5	1.3	57.25	2.43
01/26/2006	0835	GWJ	AA	Good	13.5	9.0	235	4.47	108.86	37.2	1.3	49.35	2.21
01/30/2006	1000	GWJ	AA	Good	12.5	9.0	241	4.35	90.92	36.0	1.2	43.86	2.07

TABLE C-11 (CONTINUED)

MAINSTEM STATION: Don Juan Bridge
Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE	SECTION	MEAN	AREA	MEAN
					TEMP.	TEMP.	CONDUCTANCE	HEIGHT		WIDTH	DEPTH		VELOCITY
					(deg C)	(deg C)	(µS)	(feet)	(CFS)	(feet)	(feet)	(sqft)	(ft/sec)
02/24/2006	0820	GWJ	AA	Good	8.5	8.5	293	4.02	49.63	31.3	1.0	32.39	1.53
02/28/2006	1415	GWJ	AA	Fair	13.5	10.5	146	7.50	1437.63	66.0	5.3	348.90	4.12
03/13/2006	1130	GWJ	AA	Fair	13.0	8.5	215	5.65	377.42	69.5	2.1	144.53	2.61
04/05/2006	1030	GWJ	AA	Good	18.0	10.0	130	9.73	3184.87	73.0	8.1	590.35	5.39
04/10/2006	1400	GWJ	AA	Good	19.5	11.0	177	6.71	964.17	61.0	4.3	263.45	3.66
05/01/2006	1405	GWJ	AA	Good	20.5	15.5	240	5.31	256.82	72.3	1.6	116.38	2.21
05/19/2006	1350	GWJ	AA	Good	19.0	17.0	263	4.57	121.94	39.3	1.4	55.06	2.21
06/08/2006	1140	GWJ	AA	Good	16.0	16.0	306	4.18	70.48	33.1	1.1	36.66	1.92
06/27/2006	1110	GWJ	AA	Good	18.0	17.0	316	3.81	35.32	29.5	0.9	25.76	1.37
07/12/2006	1410	GWJ	AA	Good	21.0	18.0	340	3.60	22.63	26.5	0.9	23.10	0.98
07/20/2006	1150	GWJ	AA	Good	24.0	18.0	350	3.49	15.92	24.2	0.8	19.97	0.84
08/08/2006	1100	GWJ	AA	Fair	23.0	16.0	371	3.46	13.31	23.7	0.7	15.92	0.84
08/29/2006	1135	GWJ	AA	Fair	18.5	16.0	385	3.37	9.11	22.5	0.6	14.18	0.64
10/03/2006	1230	GWJ	AA	Fair	17.0	14.0	400	3.33	7.51	22.4	0.6	12.94	0.58
11/02/2006	1350	GWJ	AA	Good	22.0	15.0	412	3.32	7.24	22.3	0.7	14.62	0.50
12/04/2006	1215	GWJ	AA	Fair	22.0	10.5	429	3.34	7.91	21.3	0.8	15.99	0.49
01/05/2007	1240	GWJ	AA	Good	12.0	9.0	394	3.68	25.69	27.8	0.8	22.92	1.12
01/16/2007	1500	GWJ	AA	Good	12.0	8.0	396	3.59	19.75	26.0	0.8	21.06	0.94
02/06/2007	1020	GWJ	AA	Good	11.5	10.0	415	3.56	17.56	25.0	0.8	19.77	0.89
02/13/2007	1115	GWJ	AA	Good	15.0	10.0	321	4.28	84.69	36.3	1.3	46.44	1.82
02/27/2007	1535	GWJ	AA	Fair	11.0	9.0	246	5.34	271.13	68.0	1.8	123.51	2.20
03/12/2007	1410	GWJ	AA	Good	29.5	14.0	343	3.97	49.64	31.2	1.1	33.50	1.48
03/26/2007	0950	GWJ	AA	Good	17.5	11.5	389	3.71	28.03	27.2	0.9	24.99	1.12
04/04/2007	1030	GWJ	AA	Good	18.5	12.0	413	3.62	21.39	28.1	0.8	23.02	0.93
05/02/2007	1430	GWJ	AA	Good	19.5	14.5	431	3.53	16.55	25.3	0.8	20.43	0.81
06/04/2007	1110	GWJ	AA	Good	19.0	15.0	450	3.40	8.43	23.3	0.7	16.54	0.51
07/03/2007	0930	GWJ	AA	Fair	17.5	15.0	481	3.20	2.96	14.8	0.7	9.71	0.31
08/02/2007	1220	GWJ	AA	Fair	22.0	17.5	500	3.15	1.69	14.8	0.6	8.50	0.20
09/04/2007	1040	GWJ	Pygmy	Fair	25.0	16.5	539	3.19	1.42	8.7	0.4	3.68	0.39
10/02/2007	1055	GWJ	Pygmy	Fair	22.0	13.5	541	3.20	1.27	8.8	0.4	3.66	0.35
11/02/2007	1135	GWJ	Pygmy	Fair	18.0	12.0	537	3.13	1.39	8.1	0.5	3.82	0.36
12/05/2007	1400	GWJ	Pygmy	Fair	20.5	12.0	532	3.20	1.57	8.2	0.5	4.13	0.38
12/11/2007	1420	GWJ	Pygmy	Good	14.5	8.5	522	3.27	1.81	8.2	0.6	4.61	0.39
01/03/2008	1255	GWJ	AA	Fair	14.0	10.0	503	3.38	3.46	8.5	1.0	8.33	0.42
01/10/2008	1240	GWJ	AA	Good	16.0	8.5	270	4.55	124.68	40.7	1.4	56.43	2.21
01/28/2008	1005	GWJ	AA	Good	14.0	7.5	130	8.39	2024.57	68.0	6.7	455.20	4.45
02/01/2008	1325	GWJ	AA	Good	11.5	8.0	217	5.58	357.48	66.5	2.1	136.44	2.62
02/19/2008	1045	GWJ	AA	Good	8.5	8.5	281	4.37	112.93	37.9	1.4	51.73	2.18
02/28/2008	1120	GWJ	AA	Good	18.0	9.5	220	5.53	346.39	66.3	2.0	134.72	2.57
03/10/2008	1230	GWJ	AA	Good	22.0	10.5	272	4.52	136.28	39.4	1.5	57.39	2.37
03/21/2008	0840	GWJ	AA	Good	6.5	8.5	289	4.17	88.11	35.0	1.3	44.59	1.98
04/08/2008	1230	GWJ	AA	Good	10.5	10.5	325	3.86	51.32	31.1	1.0	31.23	1.64
04/24/2008	1025	GWJ	AA	Good	15.0	10.0	340	3.71	38.27	29.8	0.9	26.72	1.43
05/16/2008	0810	GWJ	AA	Good	19.0	14.0	364	3.44	18.52	26.7	0.7	19.22	0.96
06/10/2008	1025	GWJ	AA	Good	26.0	14.5	380	3.38	14.60	24.8	0.8	19.95	0.73
07/03/2008	1300	GWJ	AA	Fair	24.5	16.5	411	3.23	8.24	21.6	0.6	13.42	0.61

TABLE C-11 (CONTINUED)

MAINSTEM STATION: Don Juan Bridge
Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE	SECTION	MEAN	AREA	MEAN
					TEMP. (deg C)	TEMP. (deg C)	CONDUCTANCE (μ S)	HEIGHT (feet)		WIDTH (feet)	DEPTH (feet)		VELOCITY (ft/sec)
08/04/2008	1330	GWJ	AA	Fair	16.5	16.0	454	3.06	3.81	9.1	1.0	9.11	0.42
09/01/2008	1430	GWJ	AA	Fair	24.0	15.5	470	2.98	2.49	8.9	1.0	8.48	0.29
09/19/2008	1115	GWJ	AA	Fair	19.0	13.0	459	3.05	2.98	8.9	1.0	8.82	0.34

TABLE C-12

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

DISCHARGE MEASUREMENT SUMMARY SHEET

TRIBUTARY STATION: Robinson Canyon Creek

Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE	SECTION	MEAN	AREA	MEAN
					TEMP.	TEMP.	CONDUCTANCE	HEIGHT		WIDTH	DEPTH		VELOCITY
					(deg C)	(deg C)	(µS)	(feet)	(CFS)	(feet)	(feet)	(sqft)	(ft/sec)
10/10/2003	1350	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/17/2003	1030	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/26/2003	1200	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/30/2003	1100	GWJ	Pygmy	Fair	14.0	10.0	343	2.28	1.49	4.0	0.5	2.14	0.70
02/12/2004	1330	GWJ	Pygmy	Poor	22.0	9.5	410	2.07	0.21	2.0	0.2	0.49	0.42
02/26/2004	1445	GWJ	AA	Good	16.5	10.0	174	2.95	19.92	12.9	0.8	10.35	1.92
03/09/2004	1420	GWJ	Pygmy	Fair	28.0	14.0	356	2.22	0.90	3.6	0.4	1.37	0.66
04/09/2004	1310	GWJ	Pygmy	Poor	23.0	16.5	575	1.99	0.08	1.4	0.2	0.29	0.26
05/03/2004	1100	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
05/28/2004	1045	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
07/29/2004	0845	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
08/16/2004	1335	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/14/2004	1130	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
10/20/2004	1025	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/22/2004	1445	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/07/2004	0950	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/30/2004	1430	GWJ	AA	Fair	11.5	10.0	166	2.85	15.96	12.8	0.7	9.05	1.76
01/10/2005	1350	GWJ	AA	Good	16.0	10.0	179	2.71	10.93	12.2	0.7	8.67	1.26
01/28/2005	1230	GWJ	AA	Fair	13.0	10.0	240	2.49	4.38	8.7	0.7	6.38	0.69
02/24/2005	1520	GWJ	AA	Fair	13.0	11.0	230	2.63	7.46	11.0	0.6	6.81	1.09
03/25/2005	1300	GWJ	AA	Good	15.0	11.0	226	2.65	11.08	12.9	0.6	8.36	1.33
04/12/2005	1345	GWJ	Pygmy	Fair	16.5	12.0	342	2.18	2.17	5.9	0.3	1.93	1.13
05/23/2005	1420	GWJ	Pygmy	Poor	20.5	18.5	552	1.86	0.20	1.4	0.2	0.28	0.73
06/29/2005	1450	GWJ	Flume	Good	22.0	22.0	687	1.81	0.04	--	--	--	--
07/12/2005	1225	GWJ	Gage	na	--	--	--	1.65	--	--	--	--	--
08/29/2005	1300	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/22/2005	1430	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
10/26/2005	1245	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/07/2005	1055	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/07/2005	1010	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/20/2005	1345	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/06/2006	1325	GWJ	Pygmy	Fair	18.0	10.5	380	2.23	0.85	3.2	0.3	0.83	1.03
01/25/2006	1100	GWJ	Pygmy	Fair	15.5	6.5	374	2.15	0.36	2.1	0.3	0.54	0.66
02/24/2006	1025	GWJ	Pygmy	Poor	18.0	6.5	565	2.05	0.10	1.1	0.2	0.17	0.58
03/06/2006	1305	GWJ	AA	Fair	19.0	9.0	208	2.58	7.35	11.1	0.6	6.33	1.16
03/17/2006	1155	GWJ	AA	Fair	11.0	9.0	182	2.70	11.30	11.5	0.6	7.09	1.59
04/04/2006	1300	GWJ	AA	Fair	13.5	10.5	127	3.37	44.95	14.2	1.2	16.90	2.66
04/13/2006	1305	GWJ	AA	Fair	23.5	12.0	244	2.51	4.34	7.9	0.6	4.67	0.93
05/09/2006	1310	GWJ	Pygmy	Fair	21.0	14.0	391	2.27	0.64	3.4	0.5	1.53	0.42
06/03/2006	1300	GWJ	Pygmy	Poor	20.0	16.0	511	2.11	0.15	1.1	0.3	0.34	0.44
07/19/2006	1450	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
08/04/2006	1345	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/21/2006	1020	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--

TABLE C-12 (CONTINUED)

TRIBUTARY STATION: Robinson Canyon Creek
Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE	SECTION	MEAN	AREA	MEAN
					TEMP.	TEMP.	CONDUCTANCE	HEIGHT		WIDTH	DEPTH		VELOCITY
					(deg C)	(deg C)	(µS)	(feet)	(CFS)	(feet)	(feet)	(sqft)	(ft/sec)
11/16/2006	1530	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/01/2006	1435	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/22/2006	1130	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/03/2007	1350	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/23/2007	1355	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
02/13/2007	1450	GWJ	Pygmy	Poor	14.5	9.5	645	2.08	0.09	1.1	0.2	0.24	0.37
03/05/2007	1350	GWJ	Pygmy	Poor	22.5	11.5	539	2.14	0.13	1.3	0.2	0.30	0.42
03/23/2007	1155	GWJ	Pygmy	Poor	23.5	11.5	758	1.95	0.01	.7	0.1	0.10	0.14
04/13/2007	1330	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
05/18/2007	1045	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
07/03/2007	1300	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
08/03/2007	1345	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/04/2007	0955	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
10/09/2007	1230	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/01/2007	1430	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/10/2007	1130	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/14/2008	1345	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/30/2008	1325	GWJ	AA	Fair	12.5	7.0	266	2.50	4.68	10.1	0.6	5.76	0.81
02/15/2008	0910	GWJ	Pygmy	Fair	4.0	3.5	382	2.22	0.67	2.3	0.4	0.84	0.80
02/29/2008	1235	GWJ	Pygmy	Fair	15.5	9.0	304	2.36	1.95	4.0	0.5	2.01	0.97
04/09/2008	1220	GWJ	Pygmy	Poor	15.0	10.0	550	2.08	0.09	1.3	0.3	0.34	0.27
05/06/2008	1230	GWJ	Pygmy	Poor	18.0	13.5	720	1.96	0.02	.6	0.1	0.07	0.32
05/20/2008	1315	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
06/06/2008	1355	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
07/11/2008	1445	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
08/12/2008	1130	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/08/2008	1340	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--

TABLE C-13

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
DISCHARGE MEASUREMENT SUMMARY SHEET

TRIBUTARY STATION: Potrero Creek
Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR TEMP. (deg C)	WATER TEMP. (deg C)	SPECIFIC CONDUCTANCE (µS)	GAGE HEIGHT (feet)	DISCHARGE (CFS)	SECTION WIDTH (feet)	MEAN DEPTH (feet)	AREA (sqft)	MEAN VELOCITY (ft/sec)
10/10/2003	1415	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/18/2003	1320	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/16/2003	1125	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/30/2003	1130	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/26/2004	1045	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
02/04/2004	1415	GWJ	Pygmy	Fair	14.5	10.5	272	0.85	1.58	6.9	0.4	3.00	0.53
02/12/2004	1240	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
02/18/2004	1540	GWJ	AA	Fair	12.5	11.5	--	1.13	7.26	8.9	0.6	5.58	1.30
03/09/2004	1505	GWJ	Pygmy	Fair	24.0	15.0	495	0.71	0.42	2.4	0.4	0.98	0.43
03/22/2004	1150	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
05/03/2004	1050	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
05/28/2004	1015	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
07/29/2004	0835	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
08/16/2004	1400	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/14/2004	1120	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/22/2004	1350	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/06/2004	1120	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/30/2004	1540	GWJ	AA	Poor	13.5	10.0	223	1.20	10.15	9.6	0.7	6.72	1.51
01/10/2005	1500	GWJ	AA	Fair	15.5	10.5	184	1.22	10.21	7.1	0.8	5.73	1.78
01/28/2005	1400	GWJ	AA	Fair	14.5	10.5	314	0.89	1.90	5.1	0.5	2.31	0.82
02/24/2005	1400	GWJ	AA	Fair	17.5	11.5	285	1.15	8.45	6.5	0.8	5.44	1.55
03/25/2005	1400	GWJ	AA	Fair	15.5	11.0	282	1.24	10.58	9.6	0.7	6.64	1.59
04/13/2005	1320	GWJ	Pygmy	Fair	16.0	10.5	483	0.89	2.08	6.2	0.6	3.71	0.56
05/20/2005	1615	GWJ	Pygmy	Poor	24.0	16.0	686	0.63	0.06	.9	0.2	0.20	0.30
06/10/2005	1415	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
06/29/2005	1325	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
08/29/2005	1305	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/22/2005	1525	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
10/26/2005	1315	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/07/2005	1045	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/07/2005	1000	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/20/2005	1355	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/04/2006	1405	GWJ	Pygmy	Fair	17.5	10.5	296	0.89	1.40	5.4	0.4	2.34	0.60
01/25/2006	1145	GWJ	Pygmy	Fair	14.5	6.5	479	0.68	0.25	2.5	0.3	0.70	0.35
03/06/2006	1415	GWJ	AA	Fair	16.0	11.0	190	1.19	7.20	8.3	0.7	5.60	1.29
03/17/2006	1025	RK	AA	Fair	14.5	10.0	173	1.24	10.75	8.9	0.7	6.45	1.67
04/04/2006	1420	GWJ	AA	Fair	10.0	11.0	117	2.39	87.98	15.7	1.8	27.69	3.18
04/14/2006	1215	GWJ	AA	Fair	15.0	11.5	375	1.05	5.62	6.4	0.6	3.63	1.55
05/09/2006	1415	GWJ	Pygmy	Fair	17.5	14.0	622	0.81	0.70	2.6	0.2	0.60	1.16
06/05/2006	1310	GWJ	Pygmy	Poor	20.0	15.5	695	0.69	0.03	.6	0.2	0.09	0.37
08/04/2006	1320	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
08/29/2006	1015	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/21/2006	1015	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--

TABLE C-13 (CONTINUED)

TRIBUTARY STATION: Potrero Creek

Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE	SECTION	MEAN	AREA	MEAN
					TEMP.	TEMP.	CONDUCTANCE	HEIGHT		WIDTH	DEPTH		VELOCITY
					(deg C)	(deg C)	(µS)	(feet)	(CFS)	(feet)	(feet)	(sqft)	(ft/sec)
10/18/2006	1335	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/01/2006	1450	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/22/2006	1115	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/23/2007	1405	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
02/01/2007	1300	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
02/13/2007	1525	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
02/23/2007	1325	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
02/27/2007	1100	BC	Gage	na	--	--	--	0.98	--	--	--	--	--
03/05/2007	1425	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
04/17/2007	1300	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
05/18/2007	1015	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
07/03/2007	1310	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
08/03/2007	1330	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
08/24/2007	1345	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/04/2007	0945	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
10/09/2007	1220	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/01/2007	1440	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/10/2007	1100	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/05/2008	1345	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/14/2008	1330	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/30/2008	1440	GWJ	Pygmy	Fair	10.0	7.0	264	1.02	3.60	5.9	0.4	2.23	1.62
02/15/2008	1015	GWJ	Pygmy	Poor	11.0	3.5	529	0.63	0.03	.8	0.1	0.11	0.25
02/29/2008	1420	GWJ	Pygmy	Fair	10.5	10.0	364	0.84	0.97	3.4	0.3	0.93	1.05
03/21/2008	0930	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
04/09/2008	1245	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
05/06/2008	1205	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
06/06/2008	1405	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
07/11/2008	1415	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
08/12/2008	1125	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/08/2008	1350	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--

TABLE C-14

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
DISCHARGE MEASUREMENT SUMMARY SHEET

MAINSTEM STATION: Highway 1 Bridge
Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR TEMP. (deg C)	WATER TEMP. (deg C)	SPECIFIC CONDUCTANCE (µS)	GAGE HEIGHT (feet)	DISCHARGE (CPS)	SECTION WIDTH (feet)	MEAN DEPTH (feet)	AREA (sqft)	MEAN VELOCITY (ft/sec)
10/30/2003	1400	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/15/2003	1445	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/02/2004	1230	GWJ	AA	Good	--	--	195	6.23	337.81	76.3	2.1	162.44	2.08
01/22/2004	1410	GWJ	Pygmy	Good	18.0	11.5	339	4.27	28.45	35.9	0.5	17.36	1.64
02/06/2004	1320	GWJ	AA	Good	20.0	10.5	272	4.96	113.66	72.7	0.9	62.46	1.82
02/19/2004	1300	GWJ	AA	Good	13.0	11.0	224	6.05	303.10	75.8	1.9	143.56	2.11
02/26/2004	1000	GWJ	AA	Good	--	--	--	9.91	1565.40	84.3	5.5	465.25	3.36
03/08/2004	0930	GWJ	AA	Fair	20.0	11.5	251	5.41	198.39	70.5	1.4	100.80	1.97
03/24/2004	1325	GWJ	AA	Fair	16.5	16.5	316	4.64	70.83	54.7	0.7	40.23	1.76
04/06/2004	1150	GWJ	Pygmy	Good	14.0	14.0	340	4.39	45.68	57.0	0.5	28.11	1.62
04/26/2004	0940	GWJ	Pygmy	Good	27.5	17.0	380	4.06	18.02	24.1	0.4	10.34	1.74
05/13/2004	1145	GWJ	Pygmy	Good	18.0	20.5	416	3.93	8.97	18.7	0.3	6.25	1.43
06/02/2004	1150	GWJ	Pygmy	Fair	21.0	21.5	471	3.71	1.34	4.8	0.3	1.39	0.96
06/07/2004	1415	GWJ	Pygmy	Poor	20.0	23.0	530	3.60	0.08	.8	0.1	0.11	0.77
06/15/2004	1100	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
08/25/2004	1245	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/29/2004	1330	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
10/20/2004	1000	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/16/2004	1200	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/29/2004	1500	GWJ	AA	Good	13.5	9.5	--	4.90	106.24	59.2	1.0	57.80	1.84
12/31/2004	1510	GWJ	AA	Fair	--	--	--	10.87	1815.14	94.0	5.5	519.75	3.49
01/05/2005	1440	GWJ	AA	Fair	11.5	9.0	198	6.22	354.89	76.4	2.0	155.26	2.29
01/11/2005	1330	GWJ	AA	Good	--	--	--	9.36	1449.14	83.0	5.1	425.30	3.41
01/25/2005	1345	GWJ	AA	Good	16.0	11.0	242	5.16	180.91	74.0	1.2	89.82	2.01
03/03/2005	1200	GWJ	AA	Good	16.5	11.5	209	6.36	464.10	76.8	2.4	187.78	2.47
03/23/2005	1045	GWJ	AA	Good	18.0	11.5	160	9.61	1497.16	79.0	5.5	437.50	3.42
04/05/2005	1410	GWJ	AA	Good	19.0	12.5	240	5.90	339.33	75.8	1.9	145.47	2.33
04/26/2005	0950	GWJ	AA	Good	16.0	12.0	279	4.78	159.31	67.8	1.1	74.83	2.13
05/09/2005	0950	GWJ	AA	Good	16.0	14.0	301	4.43	128.70	39.5	1.2	46.89	2.74
05/26/2005	1320	GWJ	AA	Good	17.5	17.5	324	3.96	69.98	29.8	1.3	39.67	1.76
06/22/2005	0945	GWJ	AA	Fair	18.0	16.0	364	3.56	31.91	25.8	1.1	28.14	1.13
07/08/2005	1420	GWJ	AA	Good	22.0	21.5	405	3.30	14.76	14.9	1.2	17.71	0.83
07/18/2005	1315	GWJ	AA	Fair	21.0	22.5	430	3.13	6.89	13.8	1.1	14.91	0.46
08/03/2005	1010	GWJ	Pygmy	Fair	18.5	17.0	540	2.85	0.85	3.0	0.3	0.83	1.03
08/12/2005	1035	GWJ	Pygmy	Fair	20.5	17.5	546	2.81	0.43	2.0	0.3	0.53	0.82
08/29/2005	1100	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/28/2005	1410	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
10/07/2005	1315	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/05/2005	1000	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/20/2005	1410	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/30/2005	1455	GWJ	AA	Good	17.5	12.0	285	3.97	66.15	34.5	0.9	30.53	2.17
01/03/2006	1130	GWJ	AA	Fair	15.0	10.0	161	8.13	977.64	76.0	3.9	296.80	3.29
01/11/2006	1255	GWJ	AA	Good	16.0	10.5	248	4.60	138.77	48.8	1.2	60.09	2.31

TABLE C-14 (CONTINUED)

MAINSTEM STATION: Highway 1 Bridge
Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE	SECTION	MEAN	AREA	MEAN
					TEMP.	TEMP.	CONDUCTANCE	HEIGHT		WIDTH	DEPTH		VELOCITY
					(deg C)	(deg C)	(μ S)	(feet)	(CFS)	(feet)	(feet)	(sqft)	(ft/sec)
01/26/2006	0955	GWJ	AA	Good	11.0	9.5	252	4.27	104.80	45.0	1.1	48.25	2.17
02/08/2006	1225	GWJ	AA	Good	24.0	12.0	--	3.73	63.12	24.0	1.2	27.90	2.26
02/24/2006	1125	GWJ	AA	Good	16.5	11.5	335	3.55	44.26	22.4	1.1	23.61	1.87
02/28/2006	1140	GWJ	AA	Good	15.5	11.5	159	10.44	1755.93	92.0	5.6	515.85	3.40
03/02/2006	1310	GWJ	AA	Good	16.0	10.5	180	6.27	556.27	76.7	2.7	204.92	2.71
03/13/2006	1320	GWJ	AA	Good	12.0	9.0	223	5.84	391.19	76.0	2.1	162.58	2.41
03/27/2006	1010	GWJ	AA	Good	16.5	10.0	214	5.47	396.82	71.0	2.1	147.39	2.69
04/05/2006	1345	GWJ	AA	Good	22.5	12.0	128	11.93	3369.30	100.0	7.1	707.95	4.76
04/10/2006	1200	GWJ	AA	Fair	--	--	--	6.53	946.79	71.5	3.5	251.33	3.77
05/01/2006	1120	GWJ	AA	Good	15.0	14.5	260	4.01	270.76	46.3	2.0	92.25	2.94
05/18/2006	1415	GWJ	AA	Good	20.0	16.5	285	2.86	123.58	39.7	1.1	42.90	2.88
05/30/2006	1445	GWJ	AA	Good	18.5	17.5	326	2.53	91.24	36.9	1.0	35.90	2.54
06/12/2006	1315	GWJ	AA	Good	18.0	17.0	351	2.23	60.85	28.4	1.1	30.35	2.01
06/27/2006	1340	GWJ	AA	Fair	20.5	19.0	381	1.95	28.31	20.6	1.0	20.21	1.40
07/06/2006	0930	GWJ	AA	Good	14.0	15.5	405	1.86	21.09	20.4	0.9	18.30	1.15
07/24/2006	1345	GWJ	Pygmy	Fair	20.5	20.0	577	1.39	1.68	4.4	0.5	2.09	0.80
08/03/2006	1300	GWJ	Pygmy	Fair	23.0	17.5	627	1.41	1.52	4.5	0.3	1.51	1.01
08/08/2006	1220	GWJ	Pygmy	Fair	20.0	19.0	640	1.33	0.60	2.4	0.3	0.61	0.99
08/18/2006	1255	GWJ	Pygmy	Poor	18.0	17.5	649	1.28	0.25	1.2	0.2	0.25	0.97
08/28/2006	1330	GWJ	Pygmy	Poor	19.5	18.0	679	1.24	0.11	1.1	0.2	0.19	0.59
09/05/2006	1230	GWJ	Estimate	na	--	--	--	--	0.05	--	--	--	--
09/15/2006	1300	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
10/10/2006	1200	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/02/2006	1445	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/01/2006	1500	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/03/2007	1410	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/12/2007	1305	GWJ	Pygmy	Fair	11.0	7.5	463	1.68	2.13	7.0	0.5	3.29	0.65
01/26/2007	1350	TTC	Pygmy	Fair	14.0	9.0	477	1.66	6.38	8.3	0.7	5.68	1.12
01/29/2007	1500	GWJ	AA	Fair	14.0	11.0	473	1.78	9.76	12.4	1.1	13.61	0.72
02/09/2007	1310	GWJ	AA	Fair	16.0	12.0	515	1.76	7.66	12.7	1.2	15.26	0.50
02/12/2007	1110	GWJ	AA	Good	15.0	9.0	336	2.59	81.08	35.2	1.1	37.74	2.15
02/28/2007	1055	GWJ	AA	Fair	12.5	8.0	258	3.49	217.81	48.7	1.7	81.31	2.68
03/12/2007	1250	GWJ	AA	Good	22.5	13.5	380	2.23	49.28	23.5	1.2	27.57	1.79
03/26/2007	1125	GWJ	AA	Good	17.0	13.0	450	1.95	19.38	17.6	0.7	12.70	1.53
03/30/2007	0810	GWJ	AA	Good	10.5	10.5	441	1.96	20.21	17.7	0.7	12.75	1.58
04/04/2007	1200	GWJ	AA	Good	18.5	14.0	478	1.88	12.88	17.4	0.6	10.95	1.18
04/23/2007	1240	GWJ	AA	Good	18.5	15.0	474	2.11	17.71	18.9	0.8	15.07	1.18
04/25/2007	1110	GWJ	AA	Fair	14.0	13.0	470	2.34	17.10	22.6	0.9	20.88	0.82
04/30/2007	1035	GWJ	AA	Fair	23.5	15.0	496	2.22	10.40	21.8	0.8	18.30	0.57
05/04/2007	1310	GWJ	AA	Fair	16.0	16.0	515	2.09	8.74	21.7	0.8	17.86	0.49
05/10/2007	0955	GWJ	AA	Fair	15.0	14.5	550	1.70	3.47	8.3	1.1	8.91	0.39
05/18/2007	0915	GWJ	Pygmy	Fair	15.0	14.0	626	1.44	0.90	3.1	0.2	0.77	1.18
05/29/2007	1325	GWJ	Pygmy	Poor	15.0	16.0	662	1.32	0.21	1.9	0.2	0.32	0.65
06/06/2007	1310	GWJ	Pygmy	Poor	18.5	17.0	672	1.29	0.09	1.2	0.2	0.20	0.43
06/13/2007	1445	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
07/12/2007	0945	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--

TABLE C-14 (CONTINUED)

MAINSTEM STATION: Highway 1 Bridge
 Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE	SECTION	MEAN	AREA	MEAN
					TEMP.	TEMP.	CONDUCTANCE	HEIGHT		WIDTH	DEPTH		VELOCITY
					(deg C)	(deg C)	(μ S)	(feet)	(CFS)	(feet)	(feet)	(sqft)	(ft/sec)
08/07/2007	1145	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/13/2007	0920	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/01/2007	1500	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
11/16/2007	1350	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
12/10/2007	1040	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
01/10/2008	1445	GWJ	AA	Good	12.0	9.5	286	2.24	38.09	33.3	0.8	26.08	1.46
01/22/2008	1310	GWJ	AA	Good	13.0	8.0	326	1.95	13.67	13.9	1.1	15.33	0.89
01/28/2008	1155	GWJ	AA	Fair	18.0	8.0	133	9.00	1976.48	77.0	6.4	489.90	4.03
02/01/2008	1135	GWJ	AA	Good	13.0	8.0	224	4.18	370.15	68.5	2.0	135.11	2.74
02/19/2008	1245	GWJ	AA	Good	12.0	9.0	290	2.70	115.83	35.8	1.3	46.55	2.49
02/28/2008	1415	GWJ	AA	Good	15.0	10.5	221	4.00	347.67	68.0	1.8	122.75	2.83
03/10/2008	1410	GWJ	AA	Good	18.5	12.0	284	2.93	133.02	38.7	1.5	59.60	2.23
03/21/2008	1015	GWJ	AA	Good	13.0	9.0	315	2.51	79.97	35.2	1.2	40.98	1.95
04/08/2008	1415	GWJ	AA	Good	15.0	12.5	353	2.14	44.99	34.1	0.9	31.24	1.44
04/24/2008	1210	GWJ	AA	Good	19.5	13.0	375	1.92	25.90	33.3	0.7	24.32	1.06
05/09/2008	1310	GWJ	AA	Fair	16.5	15.0	402	1.71	13.82	12.6	1.0	12.09	1.14
05/16/2008	0945	GWJ	AA	Fair	22.0	16.5	433	1.49	5.44	9.9	0.9	9.21	0.59
05/22/2008	1405	GWJ	AA	Fair	15.0	18.5	439	1.58	7.71	11.7	0.9	11.01	0.70
06/10/2008	1225	GWJ	Pygmy	Fair	18.5	19.0	500	1.30	1.22	3.8	0.4	1.70	0.72
06/20/2008	1120	GWJ	Pygmy	Poor	36.5	20.0	575	1.22	0.07	.7	0.2	0.13	0.53
06/26/2008	1205	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
08/25/2008	1330	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/22/2008	1225	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--

TABLE C-15

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
DISCHARGE MEASUREMENT SUMMARY SHEET

TRIBUTARY STATION: San Jose Creek
Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE	SECTION	MEAN	AREA	MEAN
					TEMP.	TEMP.	CONDUCTANCE	HEIGHT		WIDTH	DEPTH		VELOCITY
					(deg C)	(deg C)	(μ S)	(feet)	(CFS)	(feet)	(feet)	(sqft)	(ft/sec)
10/28/2003	1415	GWJ	Flume	Good	21.5	16.0	370	2.02	0.01	--	--	--	--
11/17/2003	1130	GWJ	Pygmy	Poor	18.0	13.0	404	2.14	0.12	2.3	0.3	0.71	0.18
12/16/2003	1200	GWJ	Pygmy	Fair	17.5	8.0	335	2.26	0.55	3.4	0.3	1.18	0.47
12/30/2003	1250	GWJ	AA	Fair	15.0	10.5	263	2.79	8.24	9.2	1.1	9.67	0.85
02/10/2004	1440	GWJ	AA	Fair	20.0	8.0	283	2.52	3.16	8.0	0.8	6.56	0.48
02/23/2004	1040	GWJ	AA	Fair	15.0	9.0	260	2.65	5.21	8.2	0.9	7.63	0.68
03/25/2004	1255	GWJ	AA	Fair	17.5	12.0	281	2.52	3.41	8.2	0.6	4.56	0.75
04/16/2004	1135	GWJ	Pygmy	Fair	16.5	10.0	297	2.39	2.02	8.2	0.4	3.33	0.61
05/25/2004	1150	GWJ	Pygmy	Fair	19.0	13.0	315	2.26	0.66	3.4	0.7	2.47	0.27
06/15/2004	1140	GWJ	Pygmy	Fair	17.0	13.0	330	2.20	0.33	2.1	0.3	0.72	0.45
07/28/2004	1415	GWJ	Flume	Good	18.5	17.0	368	2.04	0.03	--	--	--	--
08/25/2004	1400	GWJ	Flume	Good	20.5	17.0	369	1.97	0.01	--	--	--	--
09/14/2004	1445	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
09/29/2004	1350	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
10/13/2004	1315	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--
10/27/2004	1245	GWJ	Pygmy	Fair	15.0	11.0	366	2.25	0.39	2.3	0.4	0.85	0.47
11/22/2004	1130	GWJ	Pygmy	Fair	14.5	9.0	401	2.16	0.18	2.1	0.3	0.70	0.25
12/22/2004	1330	GWJ	Pygmy	Poor	15.5	9.0	348	2.32	0.36	2.1	0.4	0.77	0.46
01/04/2005	1515	GWJ	AA	Fair	12.5	9.0	201	3.37	35.89	23.8	0.9	21.62	1.66
01/20/2005	1455	GWJ	AA	Fair	15.5	10.0	183	2.96	14.52	9.4	0.9	8.81	1.65
02/11/2005	1355	GWJ	AA	Fair	15.0	10.0	256	2.67	5.13	6.9	0.7	4.79	1.07
02/22/2005	1035	GWJ	AA	Good	13.5	10.5	164	3.88	83.12	20.7	1.5	30.51	2.72
03/17/2005	1315	GWJ	AA	Fair	15.5	10.5	226	3.00	15.55	8.4	1.0	8.66	1.80
04/11/2005	1355	GWJ	AA	Fair	18.5	11.5	213	3.05	18.23	11.3	1.0	10.79	1.69
05/27/2005	1300	GWJ	AA	Fair	16.5	13.0	245	2.60	4.33	6.4	0.8	5.23	0.83
06/29/2005	1230	GWJ	Pygmy	Fair	16.5	13.5	260	2.47	2.23	6.0	0.6	3.63	0.61
08/03/2005	1105	GWJ	Pygmy	Fair	14.5	13.0	295	2.32	0.91	4.2	0.7	2.73	0.33
08/29/2005	1345	GWJ	Pygmy	Fair	21.5	14.5	313	2.27	0.47	3.4	0.3	1.09	0.43
10/05/2005	1325	GWJ	Pygmy	Fair	19.0	12.0	325	2.24	0.31	3.1	0.3	0.91	0.34
10/31/2005	1445	GWJ	Pygmy	Fair	20.5	12.0	318	2.25	0.35	2.9	0.3	0.93	0.38
12/16/2005	1300	GWJ	Pygmy	Fair	14.5	7.0	300	2.29	0.57	3.0	0.4	1.18	0.48
01/06/2006	1155	GWJ	AA	Fair	16.5	10.0	225	2.87	10.54	7.0	1.2	8.69	1.21
01/25/2006	1240	GWJ	AA	Fair	12.5	8.0	227	2.71	6.51	8.1	0.9	7.57	0.86
02/27/2006	1230	GWJ	AA	Fair	20.5	12.5	250	2.56	3.71	6.8	1.0	6.77	0.55
03/10/2006	1225	GWJ	AA	Fair	14.5	8.5	192	3.06	20.05	11.4	1.2	13.20	1.52
03/21/2006	1510	GWJ	AA	Fair	17.0	10.0	173	3.33	36.26	13.0	1.5	18.86	1.92
04/05/2006	1550	GWJ	AA	Fair	19.0	11.0	126	4.64	235.26	44.5	1.6	72.39	3.25
04/07/2006	1340	GWJ	AA	Good	18.0	11.0	148	3.97	106.38	29.0	1.3	38.84	2.74
04/19/2006	1515	GWJ	AA	Fair	18.0	11.0	183	3.21	27.52	14.3	1.0	14.62	1.88
05/25/2006	0945	GWJ	AA	Fair	17.5	11.5	230	2.68	6.11	8.8	0.8	7.46	0.82
07/18/2006	1400	GWJ	Pygmy	Fair	21.0	14.5	260	2.39	1.68	4.9	0.8	3.73	0.45
08/03/2006	1400	GWJ	Pygmy	Fair	16.0	14.0	276	2.35	1.24	4.8	0.7	3.31	0.38
09/15/2006	1345	GWJ	Pygmy	Fair	21.5	13.5	296	2.28	0.62	4.1	0.6	2.43	0.26

TABLE C-15 (CONTINUED)

TRIBUTARY STATION: San Jose Creek
Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE (CFS)	SECTION	MEAN	AREA (sqft)	MEAN
					TEMP. (deg C)	TEMP. (deg C)	CONDUCTANCE (µS)	HEIGHT (feet)		WIDTH (feet)	DEPTH (feet)		VELOCITY (ft/sec)
10/18/2006	1250	GWJ	Pygmy	Fair	23.0	11.5	293	2.28	0.69	4.2	0.6	2.53	0.27
11/16/2006	1345	GWJ	Pygmy	Fair	20.5	11.0	288	2.32	0.86	4.2	0.6	2.72	0.32
12/18/2006	1340	GWJ	Pygmy	Fair	13.5	7.0	271	2.38	1.27	4.7	0.7	3.23	0.39
01/29/2007	1355	GWJ	Pygmy	Fair	15.5	8.0	275	2.40	1.31	4.8	0.7	3.24	0.40
02/12/2007	1415	GWJ	Pygmy	Fair	14.5	9.0	264	2.51	2.91	5.7	0.8	4.66	0.63
03/02/2007	1245	GWJ	AA	Fair	18.0	7.0	235	2.79	8.54	9.5	0.8	7.62	1.12
04/09/2007	1240	GWJ	Pygmy	Good	16.5	10.0	292	2.38	1.72	7.5	0.4	3.09	0.55
05/07/2007	1030	GWJ	Pygmy	Fair	20.0	10.5	305	2.32	1.16	6.6	0.3	2.29	0.51
06/13/2007	1540	GWJ	Pygmy	Poor	19.0	13.5	332	2.24	0.42	2.3	0.4	0.94	0.45
07/12/2007	1020	GWJ	Pygmy	Fair	21.0	13.0	343	2.20	0.28	2.4	0.3	0.64	0.43
08/15/2007	1405	GWJ	Flume	Good	17.5	14.0	362	2.12	0.07	--	--	--	--
09/21/2007	1055	GWJ	Flume	Good	16.0	13.0	350	2.11	0.01	--	--	--	--
10/18/2007	1410	GWJ	Pygmy	Poor	21.0	12.0	391	2.17	0.19	1.9	0.3	0.54	0.35
11/19/2007	1325	GWJ	Pygmy	Poor	22.0	12.0	381	2.20	0.19	1.8	0.3	0.61	0.31
12/20/2007	1250	GWJ	Pygmy	Fair	10.0	8.5	325	2.34	0.74	4.9	0.5	2.45	0.30
01/15/2008	1120	GWJ	Pygmy	Fair	11.0	6.0	340	2.33	1.29	5.8	0.5	3.10	0.42
01/31/2008	1335	GWJ	AA	Fair	12.0	7.0	251	3.00	15.47	10.2	0.9	8.82	1.75
03/14/2008	1020	GWJ	AA	Fair	13.0	8.5	270	2.57	4.13	7.8	0.7	5.65	0.73
05/02/2008	1350	GWJ	Pygmy	Good	17.0	9.0	296	2.33	1.26	5.6	0.4	2.44	0.52
06/04/2008	1100	GWJ	Pygmy	Fair	14.0	10.5	308	2.28	0.82	5.6	0.4	1.97	0.42
07/09/2008	0945	GWJ	Pygmy	Poor	17.5	11.5	343	2.17	0.18	3.0	0.2	0.56	0.32
08/15/2008	1250	GWJ	Flume	Good	16.0	12.5	360	2.12	0.04	--	--	--	--
09/22/2008	1150	GWJ	na	na	--	--	--	--	No Flow	--	--	--	--

TABLE C-16

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
DISCHARGE MEASUREMENT SUMMARY SHEET

MAINSTEM STATION: Arroyo Del Rey at Del Rey Oaks
Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE	SECTION	MEAN	AREA	MEAN
					TEMP.	TEMP.	CONDUCTANCE	HEIGHT		WIDTH	DEPTH		VELOCITY
					(deg C)	(deg C)	(µS)	(feet)	(CFS)	(feet)	(feet)	(sqft)	(ft/sec)
10/31/2003	1250	GWJ	Pygmy	Fair	14.0	14.0	618	3.18	0.51	3.4	0.3	0.96	0.53
11/18/2003	1055	GWJ	Pygmy	Poor	18.5	11.0	1044	3.00	0.10	2.0	0.2	0.43	0.23
12/22/2003	1325	GWJ	Pygmy	Poor	17.5	11.0	950	3.02	0.14	1.8	0.2	0.36	0.39
12/30/2003	1435	GWJ	AA	Fair	15.5	11.5	724	3.69	7.20	7.3	0.8	5.65	1.28
01/28/2004	1210	GWJ	AA	Fair	12.0	9.5	449	3.34	2.54	6.8	0.6	4.17	0.61
02/23/2004	1330	GWJ	Pygmy	Fair	13.0	13.5	964	3.06	0.51	3.0	0.3	0.87	0.58
02/25/2004	1525	GWJ	AA	Fair	17.0	12.5	328	4.84	45.72	13.5	1.4	18.27	2.50
03/22/2004	1000	GWJ	Pygmy	Poor	13.5	14.0	1260	2.94	0.15	1.3	0.3	0.38	0.40
04/23/2004	1415	GWJ	Pygmy	Poor	17.5	13.5	1190	2.97	0.09	1.5	0.2	0.35	0.27
05/14/2004	0950	GWJ	Pygmy	Poor	18.0	13.5	1262	3.04	0.15	1.5	0.3	0.44	0.35
06/23/2004	1235	GWJ	Flume	Good	17.5	15.5	1404	3.03	0.06	--	--	--	--
07/29/2004	1210	GWJ	Flume	Good	20.0	17.5	1455	3.01	0.05	--	--	--	--
08/27/2004	1025	GWJ	Flume	Good	22.0	15.0	1407	3.00	0.04	--	--	--	--
10/12/2004	1245	GWJ	Flume	Good	26.0	11.5	1372	2.98	0.05	--	--	--	--
10/20/2004	1350	GWJ	Pygmy	Fair	19.0	15.0	451	3.47	1.27	5.1	0.5	2.60	0.49
11/29/2004	1350	GWJ	Pygmy	Poor	12.0	7.0	968	2.95	0.10	1.0	0.2	0.23	0.45
12/07/2004	1415	GWJ	Pygmy	Fair	14.5	11.5	305	3.30	1.47	5.7	0.4	2.56	0.58
01/03/2005	1210	GWJ	AA	Fair	16.5	8.5	488	3.85	9.00	7.9	0.9	7.01	1.28
02/14/2005	0945	GWJ	Pygmy	Poor	15.5	12.0	1097	3.00	0.32	2.2	0.4	0.77	0.41
02/16/2005	1540	GWJ	AA	Fair	17.5	14.5	565	3.78	10.11	7.7	0.8	6.38	1.58
03/14/2005	0940	GWJ	Pygmy	Fair	16.0	13.0	847	3.12	1.30	3.9	0.5	1.78	0.73
03/22/2005	1455	GWJ	AA	Fair	13.0	13.0	295	4.46	33.77	10.5	1.3	13.70	2.47
04/22/2005	1335	GWJ	Pygmy	Poor	20.0	14.0	1230	2.95	0.27	1.7	0.3	0.57	0.48
06/07/2005	1045	GWJ	Pygmy	Poor	18.0	15.5	1180	2.92	0.11	1.0	0.3	0.34	0.32
07/18/2005	1440	GWJ	Pygmy	Poor	18.5	17.0	1160	3.00	0.08	1.3	0.3	0.42	0.19
09/19/2005	1235	GWJ	Pygmy	Poor	19.5	14.0	1016	3.00	0.08	1.4	0.2	0.23	0.37
11/09/2005	0830	GWJ	Pygmy	Poor	17.0	12.5	1165	3.13	0.16	1.7	0.2	0.39	0.41
12/16/2005	1415	GWJ	Pygmy	Poor	12.0	8.0	1115	2.88	0.09	1.4	0.2	0.21	0.41
01/06/2006	1040	GWJ	Pygmy	Fair	15.5	9.5	945	2.97	0.39	3.3	0.4	1.30	0.30
02/17/2006	1140	GWJ	Pygmy	Poor	12.0	9.0	1210	2.92	0.19	1.8	0.2	0.40	0.47
03/02/2006	1500	GWJ	Pygmy	Fair	12.5	13.0	599	3.41	4.54	5.7	0.8	4.74	0.96
03/03/2006	1450	GWJ	AA	Fair	12.0	10.5	353	4.58	34.33	9.7	1.5	14.89	2.31
03/28/2006	1030	GWJ	Pygmy	Fair	17.0	12.0	753	3.12	1.43	5.3	0.4	2.08	0.69
04/14/2006	1330	GWJ	Pygmy	Fair	14.5	13.0	678	3.17	2.01	5.7	0.6	3.43	0.59
05/24/2006	1140	GWJ	Pygmy	Poor	25.5	16.5	1130	2.92	0.16	1.3	0.2	0.25	0.63
07/13/2006	1245	GWJ	Pygmy	Poor	17.5	17.5	1118	2.92	0.09	1.1	0.2	0.21	0.44
08/29/2006	0825	GWJ	Pygmy	Poor	17.0	14.5	1200	2.93	0.08	1.5	0.2	0.25	0.30
09/29/2006	1325	GWJ	Pygmy	Poor	20.0	14.0	953	2.88	0.03	.7	0.1	0.08	0.40
10/23/2006	1200	GWJ	Pygmy	Poor	19.5	11.0	1134	2.96	0.06	1.5	0.1	0.20	0.29
12/08/2006	1235	GWJ	Pygmy	Poor	17.0	8.5	1110	2.91	0.08	1.0	0.1	0.14	0.59
12/22/2006	1325	GWJ	Pygmy	Fair	14.0	8.5	743	3.39	2.92	5.3	0.7	3.80	0.77
02/05/2007	1300	GWJ	Pygmy	Poor	17.5	10.0	1210	2.90	0.13	1.3	0.2	0.31	0.42
03/20/2007	1010	GWJ	Pygmy	Poor	15.0	12.0	1250	2.92	0.14	1.1	0.2	0.21	0.69

TABLE C-16 (CONTINUED)

MAINSTEM STATION: Arroyo Del Rey at Del Rey Oaks

Water Years: 2004-2008

DATE	TIME	MADE BY	INSTRUMENT	RATING	AIR	WATER	SPECIFIC	GAGE	DISCHARGE	SECTION	MEAN	AREA	MEAN
					TEMP.	TEMP.	CONDUCTANCE	HEIGHT		WIDTH	DEPTH		VELOCITY
					(deg C)	(deg C)	(µS)	(feet)	(CFS)	(feet)	(feet)	(sqft)	(ft/sec)
03/27/2007	1330	GWJ	Pygmy	Fair	13.5	12.0	678	3.06	0.56	3.0	0.2	0.67	0.84
04/30/2007	1155	GWJ	Pygmy	Poor	20.0	15.0	1207	2.90	0.09	1.0	0.2	0.18	0.51
05/23/2007	1235	GWJ	Pygmy	Fair	26.0	15.0	1230	2.99	0.07	1.1	0.3	0.31	0.24
06/29/2007	1420	GWJ	Pygmy	Poor	22.0	17.0	1271	2.94	0.09	1.1	0.2	0.25	0.37
07/26/2007	1425	GWJ	Flume	Good	19.0	15.0	1392	2.98	0.07	--	--	--	--
09/17/2007	1245	GWJ	Flume	Good	18.5	14.5	1450	2.99	0.05	--	--	--	--
10/17/2007	1120	GWJ	Pygmy	Poor	18.5	13.0	851	2.99	0.10	1.2	0.2	0.19	0.54
11/30/2007	1410	GWJ	Flume	Good	10.0	9.0	1440	2.95	0.05	--	--	--	--
12/20/2007	0940	GWJ	AA	Poor	12.0	9.5	546	3.33	1.01	5.5	0.6	3.03	0.33
01/03/2008	1000	GWJ	Pygmy	Poor	8.5	6.0	1236	2.96	0.08	1.0	0.2	0.18	0.42
02/26/2008	1200	GWJ	Pygmy	Fair	17.5	9.0	851	3.24	1.60	4.5	0.7	3.08	0.52
04/04/2008	1420	GWJ	Pygmy	Poor	11.5	13.5	960	3.02	0.37	2.3	0.4	0.98	0.38
04/18/2008	1235	GWJ	Pygmy	Fair	12.0	12.0	865	3.02	0.29	1.8	0.4	0.76	0.38
06/09/2008	1115	GWJ	Pygmy	Poor	21.0	12.5	1068	3.08	0.09	.6	0.2	0.14	0.62
07/17/2008	1500	GWJ	Flume	Good	--	--	--	3.07	0.06	--	--	--	--
08/25/2008	1015	GWJ	Flume	Good	16.0	14.5	1453	3.06	0.05	--	--	--	--
09/24/2008	1410	GWJ	Flume	Good	19.0	13.0	1508	3.03	0.04	--	--	--	--

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER BASIN

**SURFACE WATER RESOURCES DATA REPORT
WATER YEARS 2004 - 2008**

APPENDIX D

STREAMFLOW DATA

FIGURE D-1

CARMEL RIVER BELOW LOS PADRES RESERVOIR - WY 2004

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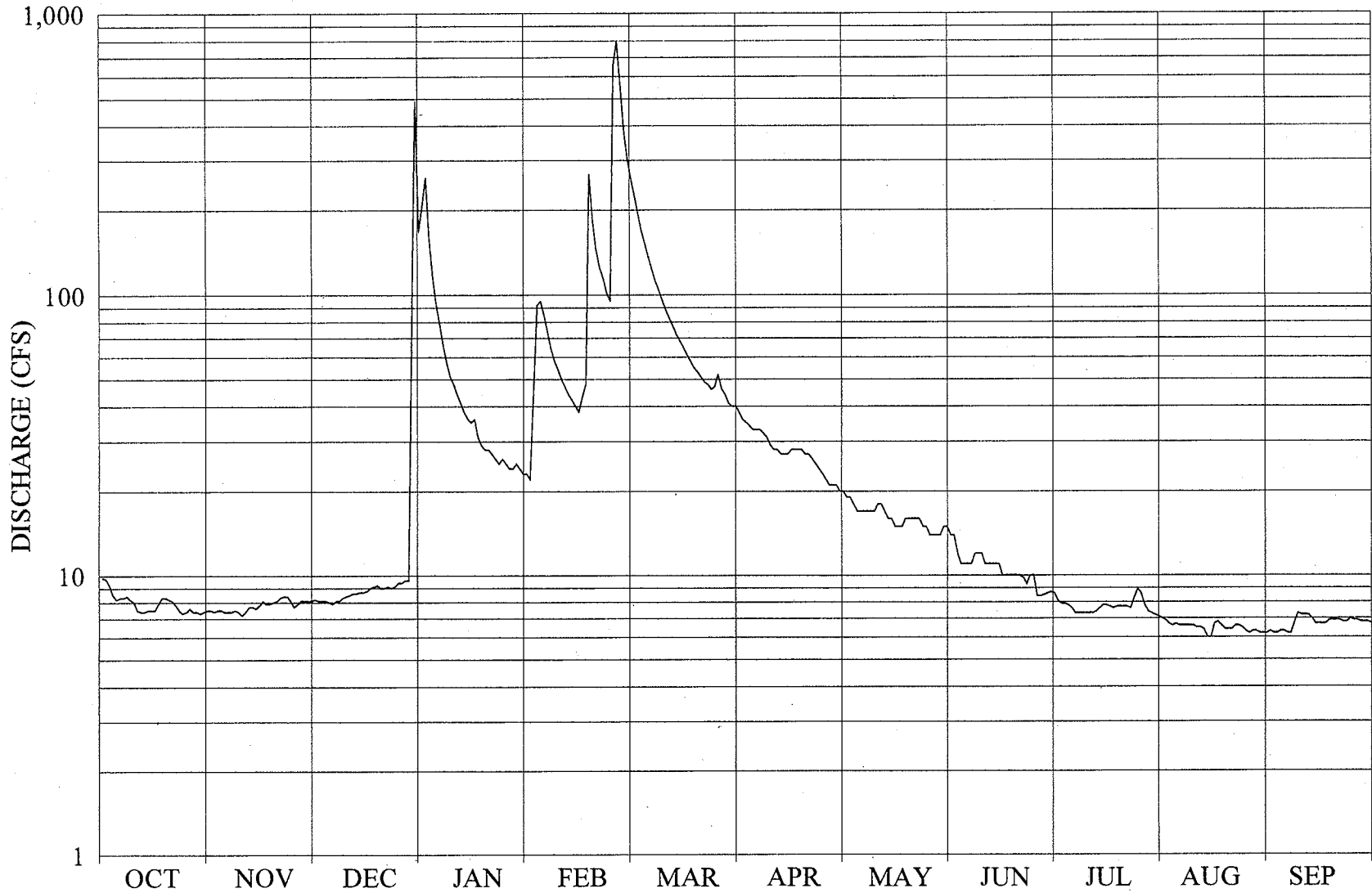


TABLE D-1

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
 CARMEL RIVER BELOW LOS PADRES RESERVOIR

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2003 TO SEP 2004

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.8	7.5	8.2	207	22	258	38	20	14	8.6	7.0	6.3
2	9.7	7.4	8.1	260	47	224	36	19	14	8.1	6.9	6.2
3	9.2	7.5	8.1	160	92	193	35	19	12	7.9	6.7	6.2
4	8.5	7.5	8.1	115	95	169	34	18	11	7.9	6.6	6.3
5	8.2	7.4	8.0	92	84	151	33	17	11	7.8	6.7	6.3
6	8.3	7.4	7.9	78	73	136	33	17	11	7.6	6.6	6.2
7	8.3	7.4	8.1	66	64	123	33	17	11	7.3	6.6	6.2
8	8.4	7.5	8.1	57	58	112	32	17	12	7.3	6.6	6.8
9	8.2	7.4	8.3	51	54	103	31	17	12	7.3	6.6	7.3
10	8.0	7.2	8.4	48	50	95	29	17	12	7.3	6.6	7.2
11	7.5	7.4	8.5	44	47	88	28	18	11	7.3	6.5	7.2
12	7.4	7.7	8.6	41	44	82	28	18	11	7.3	6.5	7.2
13	7.4	7.7	8.6	38	42	77	27	17	11	7.4	6.4	7.0
14	7.5	7.6	8.7	36	40	72	27	16	11	7.6	6.0	6.7
15	7.5	7.8	8.7	35	38	68	27	16	11	7.8	6.0	6.7
16	7.5	8.1	8.8	36	43	65	28	15	10	7.8	6.7	6.7
17	7.9	7.9	9.0	31	48	61	28	15	10	7.7	6.8	6.7
18	8.3	7.9	9.1	29	267	58	28	15	10	7.6	6.6	6.9
19	8.3	8.0	9.2	28	185	55	28	16	10	7.7	6.4	6.9
20	8.2	8.1	9.0	28	146	53	27	16	10	7.7	6.4	6.9
21	8.1	8.3	9.0	27	125	51	27	16	10	7.7	6.4	6.9
22	7.8	8.4	9.1	26	115	49	26	16	9.8	7.7	6.6	6.8
23	7.5	8.4	9.0	25	102	48	25	16	9.3	7.6	6.6	6.8
24	7.3	8.1	9.1	26	95	46	24	15	10	8.3	6.5	7.0
25	7.4	7.7	9.4	25	653	47	23	15	10	8.9	6.3	6.9
26	7.6	7.9	9.4	24	797	52	22	14	8.4	8.6	6.2	6.9
27	7.4	8.1	9.6	24	549	46	21	14	8.4	7.8	6.3	6.8
28	7.4	8.1	9.6	25	381	44	21	14	8.5	7.4	6.3	6.8
29	7.3	8.1	9.2	24	304	41	21	14	8.6	7.3	6.2	6.8
30	7.4	8.1	490	23	-----	40	20	15	8.7	7.2	6.2	6.7
31	7.5	-----	168	23	-----	40	-----	15	-----	7.1	6.2	-----
TOTAL	246.8	233.6	993.7	1,752	4,660	2,747	840	504	316.7	238.6	201.0	202.3
MEAN	7.96	7.79	32.1	56.5	161	88.6	28.0	16.3	10.6	7.70	6.48	6.74
MAX	9.8	8.4	490	260	797	258	38	20	14	8.9	7.0	7.3
MIN	7.3	7.2	7.9	23	22	40	20	14	8.4	7.1	6.0	6.2
AC-FT	490	463	1,970	3,480	9,240	5,450	1,670	1,000	628	473	399	401
CAL YEAR 2003 TOTAL		15,826.50	MEAN	43.4	MAX	490	MIN	7.2	AC-FT	31,390		
WTR YEAR 2004 TOTAL		12,935.70	MEAN	35.3	MAX	797	MIN	6.0	AC-FT	25,660		

Discharge values based on current meter measurements to approx. 200 cfs.
 Above 200 cfs, the station rating or stage/discharge relation has been developed based on correlation with Los Padres Dam Spillway discharge.

FIGURE D-2

CARMEL RIVER BELOW LOS PADRES RESERVOIR - WY 2005

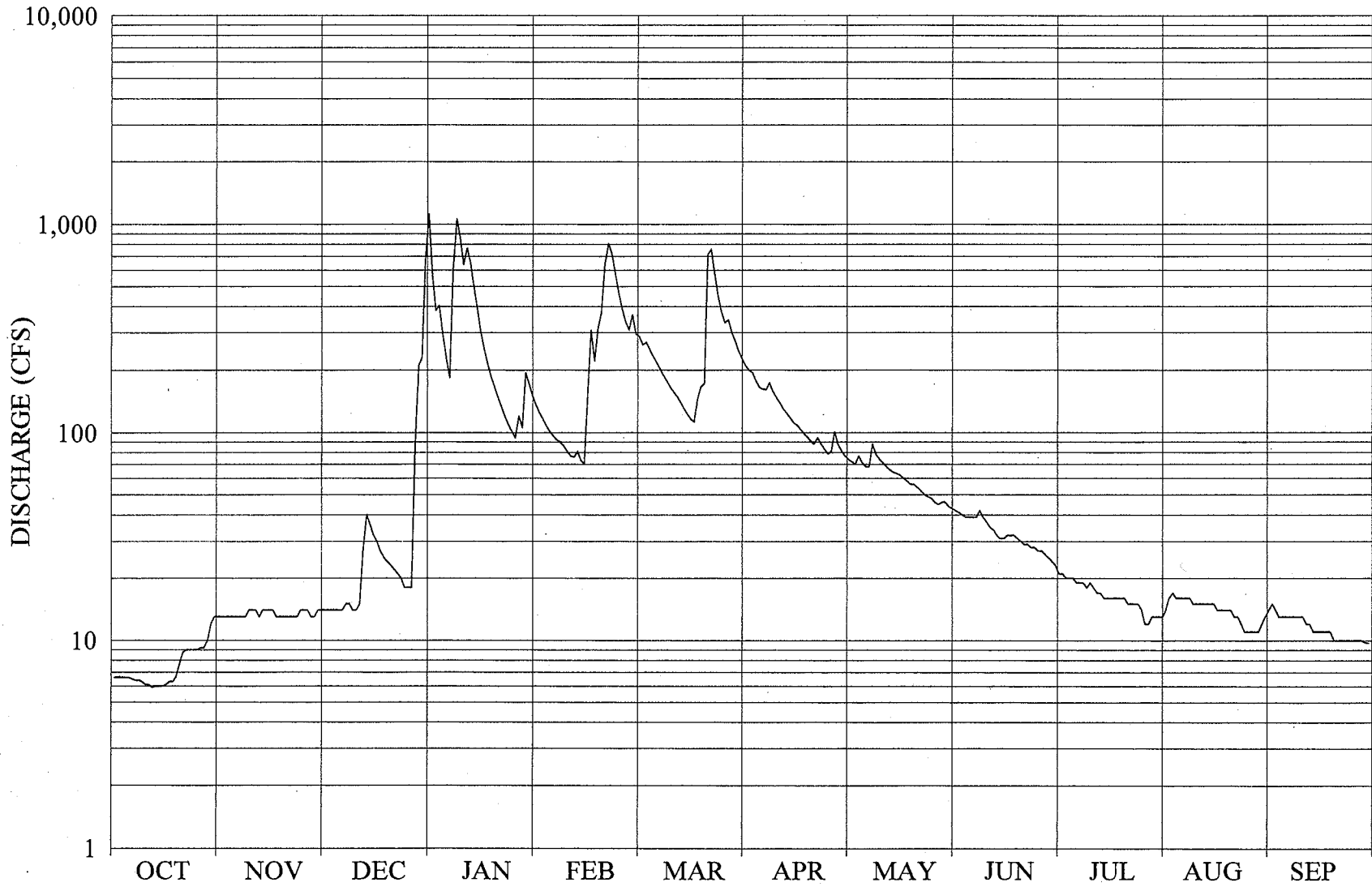


TABLE D-2

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
 CARMEL RIVER BELOW LOS PADRES RESERVOIR

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2004 TO SEP 2005

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	13	14	564	125	296	226	77	43	23	13	14
2	6.6	13	14	382	116	289	210	74	42	21	14	15
3	6.6	13	14	405	108	263	200	72	41	21	16	14
4	6.6	13	14	293	101	269	195	70	40	20	17	13
5	6.6	13	14	227	96	251	178	77	39	20	16	13
6	6.5	13	14	184	92	232	166	71	39	20	16	13
7	6.4	13	15	597	90	217	162	68	39	19	16	13
8	6.4	13	15	1,060	86	203	161	68	39	19	16	13
9	6.3	14	14	858	81	189	174	88	42	19	16	13
10	6.1	14	14	642	77	177	158	78	39	18	15	13
11	6.1	14	15	768	76	166	147	74	37	19	15	13
12	5.9	13	27	646	81	157	139	71	35	18	15	12
13	6.0	14	40	497	73	149	130	68	34	17	15	12
14	6.0	14	36	384	70	140	124	66	32	17	15	11
15	6.0	14	32	303	151	131	118	64	31	16	15	11
16	6.1	14	30	249	306	123	112	63	31	16	15	11
17	6.3	13	27	213	221	117	109	62	32	16	14	11
18	6.3	13	25	186	315	113	104	60	32	16	14	11
19	6.7	13	24	165	372	145	99	58	32	16	14	11
20	7.7	13	23	147	639	166	95	56	31	16	14	10
21	8.8	13	22	133	806	173	91	56	30	16	14	10
22	9.0	13	21	120	720	715	88	54	29	15	13	10
23	9.0	13	20	109	581	758	94	52	29	15	13	10
24	9.0	14	18	101	464	581	88	50	28	15	12	10
25	9.0	14	18	94	390	450	83	49	28	15	11	10
26	9.2	14	18	121	339	377	79	48	27	14	11	10
27	9.2	13	83	106	309	334	81	46	27	12	11	10
28	10	13	210	194	364	345	101	45	26	12	11	10
29	12	14	228	172	-----	301	87	46	25	13	11	9.8
30	13	14	669	150	-----	274	81	46	24	13	12	9.7
31	13	-----	1,120	136	-----	247	-----	44	-----	13	13	-----
TOTAL	239.0	402	2,848	10,206	7,249	8,348	3,880	1,921	1,003	520	433	346.5
MEAN	7.71	13.4	91.9	329	259	269	129	62.0	33.4	16.8	14.0	11.6
MAX	13	14	1,120	1,060	806	758	226	88	43	23	17	15
MIN	5.9	13	14	94	70	113	79	44	24	12	11	9.7
AC-FT	474	797	5,650	20,240	14,380	16,560	7,700	3,810	1,990	1,030	859	687

CAL YEAR 2004	TOTAL	14,950.6	MEAN	40.8	MAX	1,120	MIN	5.9	AC-FT	29,650
WTR YEAR 2005	TOTAL	37,395.5	MEAN	102	MAX	1,120	MIN	5.9	AC-FT	74,170

Discharge values based on current meter measurements to approx. 200 cfs.
 Above 200 cfs, the station rating or stage/discharge relation has been developed based on correlation with Los Padres Dam Spillway discharge.

FIGURE D-3

CARMEL RIVER BELOW LOS PADRES RESERVOIR - WY 2006

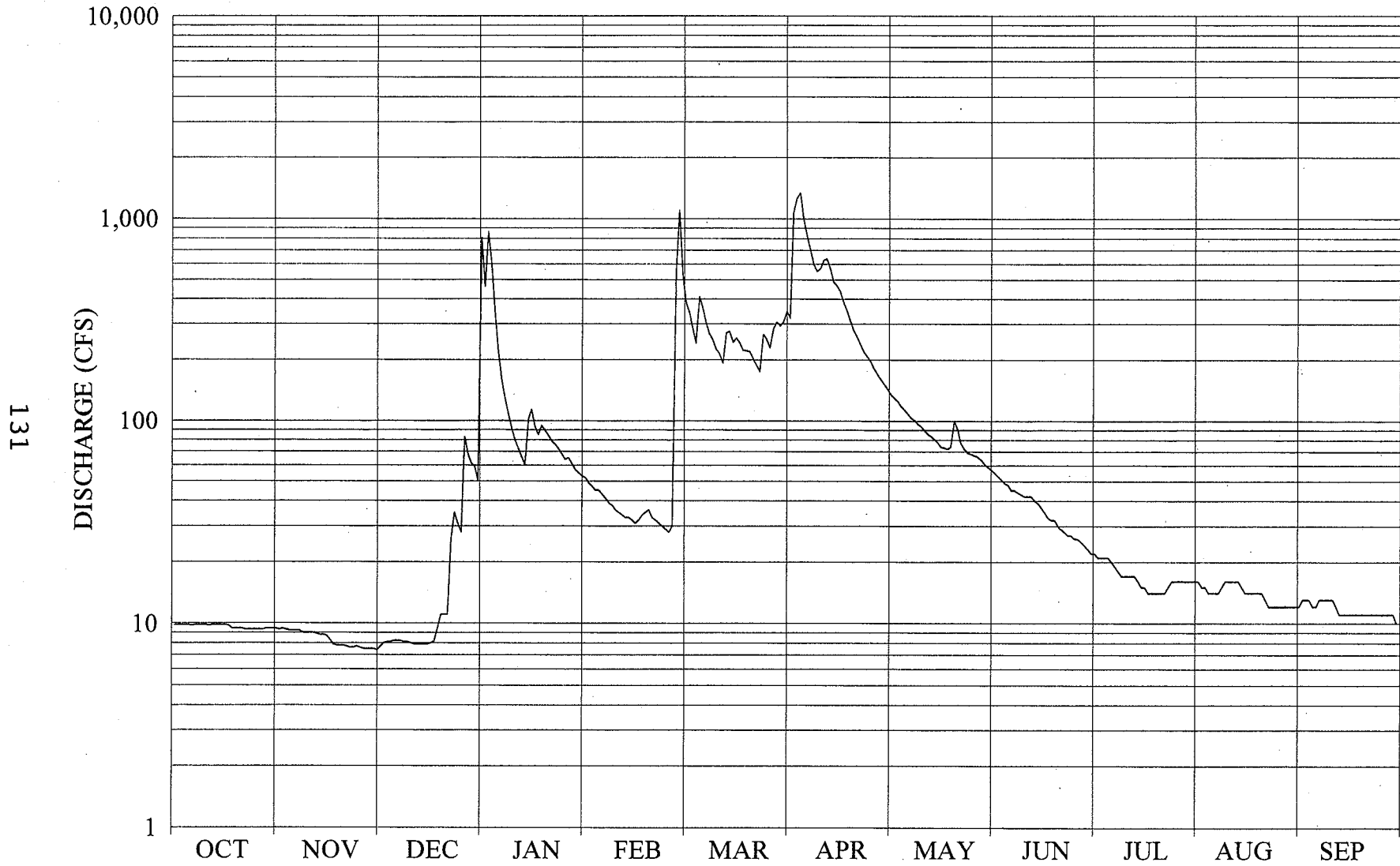


TABLE D-3

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
 CARMEL RIVER BELOW LOS PADRES RESERVOIR

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2005 TO SEP 2006

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.8	9.3	7.7	462	49	536	345	144	57	22	16	12
2	9.8	9.4	8.0	863	47	386	321	136	55	22	16	13
3	9.8	9.3	8.1	597	45	341	1,070	130	53	21	15	13
4	9.8	9.2	8.1	333	45	285	1,260	126	51	21	15	13
5	9.8	9.2	8.2	219	43	242	1,340	119	49	21	14	12
6	9.7	9.2	8.2	161	41	410	994	114	48	21	14	12
7	9.8	9.2	8.2	130	39	358	816	109	45	20	14	13
8	9.8	9.0	8.1	108	38	303	702	104	45	19	14	13
9	9.8	9.0	8.1	92	36	268	596	101	44	18	15	13
10	9.8	9.0	8.0	80	35	249	552	97	43	17	16	13
11	9.7	9.0	7.9	72	34	225	568	94	42	17	16	13
12	9.8	8.9	7.9	66	33	213	626	90	42	17	16	12
13	9.8	8.8	7.9	60	33	193	633	86	42	17	16	11
14	9.8	8.8	7.9	102	32	271	559	84	40	17	16	11
15	9.8	8.7	7.9	114	31	275	486	81	39	16	15	11
16	9.8	8.3	8.0	93	32	244	464	78	37	15	14	11
17	9.7	7.9	8.1	85	34	255	434	74	35	15	14	11
18	9.4	7.8	9.4	94	35	241	384	73	33	14	14	11
19	9.4	7.8	11	89	36	222	347	72	32	14	14	11
20	9.4	7.8	11	84	33	221	309	74	32	14	14	11
21	9.4	7.7	11	79	32	218	277	100	30	14	14	11
22	9.3	7.6	26	76	31	201	259	91	29	14	13	11
23	9.3	7.6	35	72	30	187	237	77	28	14	12	11
24	9.3	7.7	31	68	29	175	218	72	27	15	12	11
25	9.3	7.6	28	64	28	266	207	69	27	16	12	11
26	9.3	7.5	83	65	30	252	196	68	26	16	12	11
27	9.3	7.5	68	61	555	229	181	67	26	16	12	11
28	9.4	7.5	61	57	1,100	283	170	66	25	16	12	11
29	9.4	7.5	59	55	-----	307	160	64	24	16	12	11
30	9.4	7.4	50	53	-----	293	152	61	23	16	12	10
31	9.4	-----	808	52	-----	306	-----	59	-----	16	12	-----
TOTAL	297.3	251.2	1,427.7	4,606	2,586	8,455	14,863	2,780	1,129	527	433	349
MEAN	9.59	8.37	46.1	149	92.4	273	495	89.7	37.6	17.0	14.0	11.6
MAX	9.8	9.4	808	863	1,100	536	1,340	144	57	22	16	13
MIN	9.3	7.4	7.7	52	28	175	152	59	23	14	12	10
AC-FT	590	498	2,830	9,140	5,130	16,770	29,480	5,510	2,240	1,050	859	692

CAL YEAR 2005 TOTAL 35,882.7 MEAN 98.3 MAX 1,060 MIN 7.4 AC-FT 71,170
 WTR YEAR 2006 TOTAL 37,704.2 MEAN 103 MAX 1,340 MIN 7.4 AC-FT 74,790

Discharge values based on current meter measurements to approx. 200 cfs.
 Above 200 cfs, the station rating or stage discharge relation has been developed based on correlation with Los Padres Dam Spillway discharge.

FIGURE D-4

CARMEL RIVER BELOW LOS PADRES RESERVOIR - WY 2007

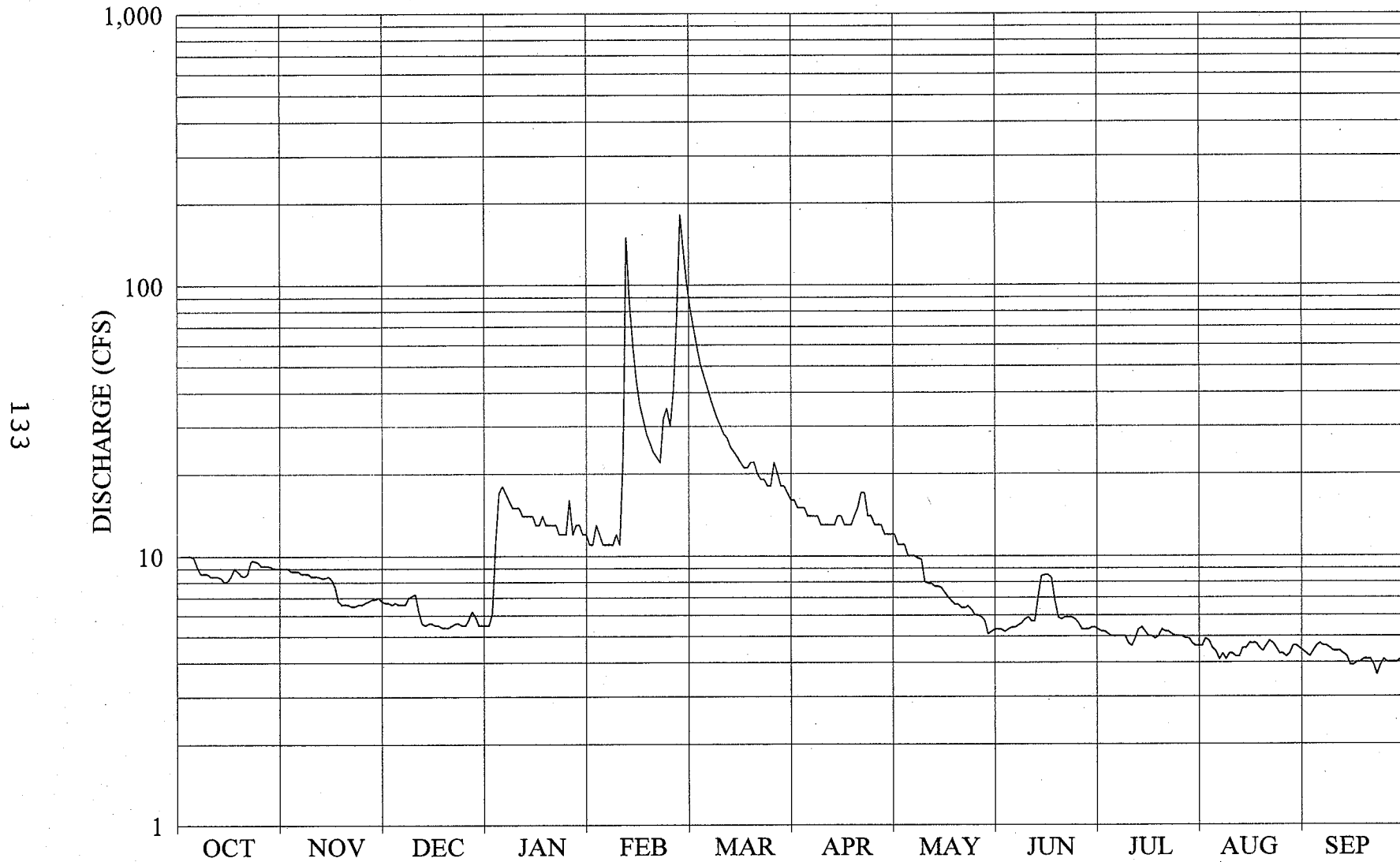


TABLE D-4

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
 CARMEL RIVER BELOW LOS PADRES RESERVOIR

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2006 TO SEP 2007

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	9.0	6.7	5.5	11	101	16	12	5.3	5.4	4.6	4.4
2	10	9.0	6.7	6.1	13	82	16	12	5.3	5.3	4.6	4.3
3	10	8.8	6.6	11	12	69	15	11	5.3	5.2	4.9e	4.2
4	10	8.8	6.7	17	11	59	15	11	5.2	5.2	4.8e	4.4
5	9.9	8.8	6.6	18	11	51	15	11	5.3	5.1	4.5e	4.6
6	9.1	8.6	6.6	17	11	46	14	10	5.4	5.0	4.4e	4.7
7	8.6	8.6	6.6	16	11	42	14	10	5.4	5.0	4.1e	4.6
8	8.6	8.6	7.0	15	12	38	14	10	5.5	5.0	4.3e	4.6
9	8.6	8.4	7.1	15	11	35	14	9.8	5.6	5.0	4.1e	4.5
10	8.4	8.4	7.2	15	23	32	13	9.7	5.8	5.0	4.3e	4.4
11	8.4	8.4	6.2	14	149	30	13	8.0	5.9	4.7	4.3e	4.4
12	8.4	8.3	5.6	14	83	28	13	7.9	5.7	4.6	4.2e	4.4
13	8.3	8.3	5.5	14	58	27	13	7.9	5.7	4.9	4.2e	4.3
14	8.0	8.4	5.6	14	44	25	13	7.7	7.0	5.3	4.5e	4.2
15	8.1	8.2	5.6	13	36	24	14	7.7	8.4	5.4	4.5	3.9
16	8.4	7.7	5.5	13	32	23	14	7.6	8.5	5.2	4.7	3.9
17	9.0	6.8	5.5	14	28	22	13	7.3	8.5	5.0	4.7	4.0
18	8.8	6.6	5.4	13	26	21	13	7.0	8.3	5.0	4.7	4.0
19	8.5	6.6	5.4	13	24	21	13	6.8	6.8	4.9	4.5	4.1
20	8.4	6.6	5.4	13	23	22	14	6.6	5.9	5.0	4.4	4.1
21	8.6	6.5	5.5	13	22	22	15	6.6	5.8	5.3	4.6	4.1
22	9.6	6.5	5.6	12	32	20	17	6.4	5.9	5.2	4.8	3.9
23	9.6	6.6	5.6	12	35	19	17	6.4	5.9	5.2	4.7	3.6
24	9.5	6.6	5.5	12	30	19	14	6.5	5.9	5.1	4.5	3.9
25	9.2	6.7	5.5	16	41	18	14	6.3	5.8	5.0	4.3	4.1
26	9.2	6.8	5.8	12	74	18	13	6.0	5.6	5.0	4.3	4.0
27	9.2	6.9	6.2	13	181	22	13	6.0	5.3	5.0	4.2	4.0
28	9.1	6.9	5.9	13	134	20	13	5.9	5.3	4.9	4.3	4.0
29	9.0	7.0	5.5	12	-----	18	12	5.7	5.3	4.9	4.6	4.0
30	9.0	6.8	5.5	12	-----	18	12	5.1	5.4	4.7	4.6	4.1
31	9.0	-----	5.5	11	-----	17	-----	5.2	-----	4.6	4.5	-----
TOTAL	278.5	230.2	185.6	408.6	1,178	1,009	419	247.1	181.0	156.1	138.7	125.7
MEAN	8.98	7.67	5.99	13.2	42.1	32.5	14.0	7.97	6.03	5.04	4.47	4.19
MAX	10	9.0	7.2	18	181	101	17	12	8.5	5.4	4.9	4.7
MIN	8.0	6.5	5.4	5.5	11	17	12	5.1	5.2	4.6	4.1	3.6
AC-FT	552	457	368	810	2,340	2,000	831	490	359	310	275	249
CAL YEAR 2006	TOTAL	36,422.3	MEAN	99.8	MAX	1,340	MIN	5.4	AC-FT	72,240		
WTR YEAR 2007	TOTAL	4,557.5	MEAN	12.5	MAX	181	MIN	3.6	AC-FT	9,040		

FIGURE D-5

CARMEL RIVER BELOW LOS PADRES RESERVOIR - WY 2008

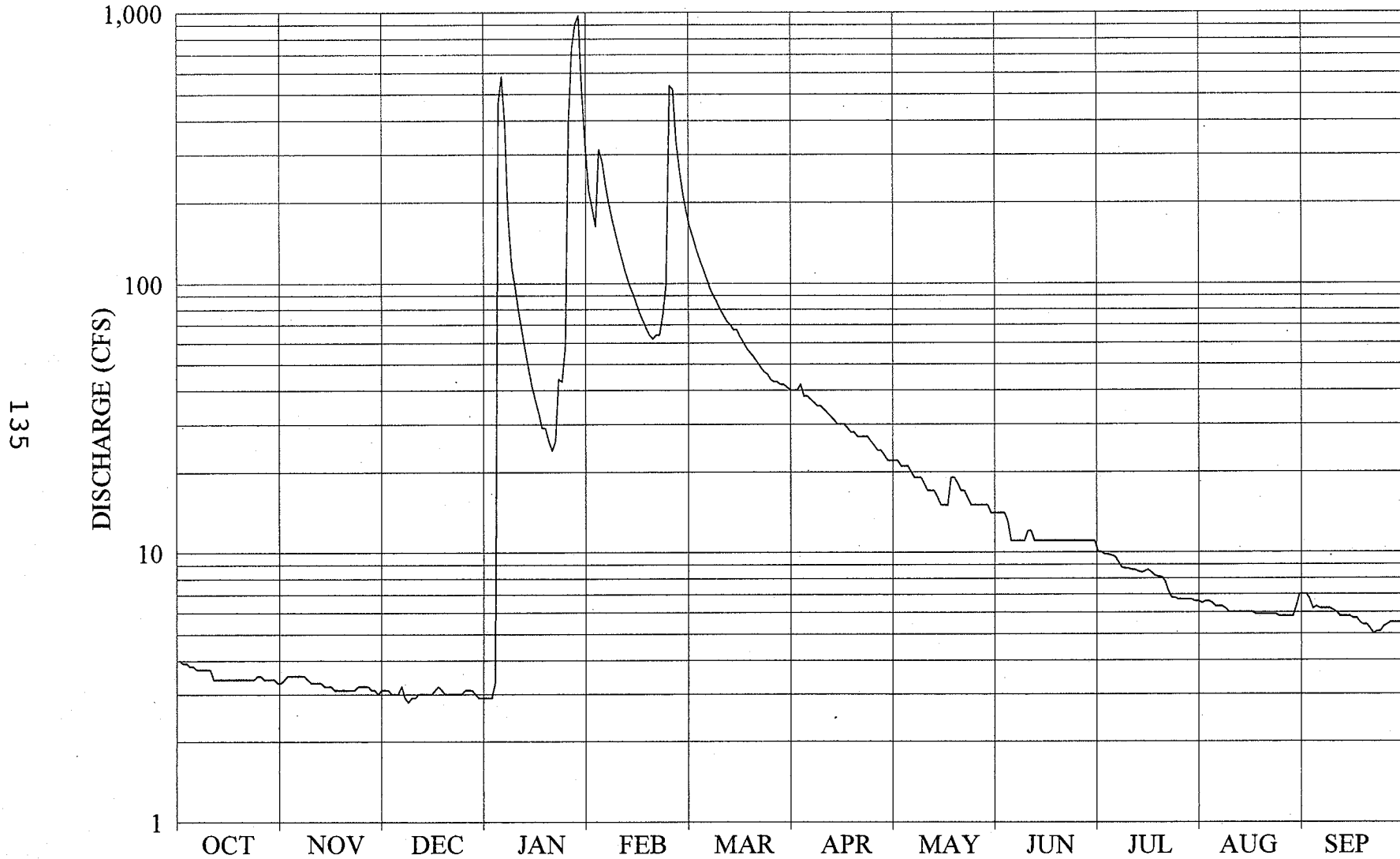


TABLE D-5

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
 CARMEL RIVER BELOW LOS PADRES RESERVOIR

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2007 TO SEP 2008

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	3.4	3.1	2.9	191	162	40	22	14	10	6.5	7.0
2	3.9	3.5	3.1	2.9	163	147	40	22	14	10	6.6	6.7
3	3.9	3.5	3.0	3.3	313	133	42	21	14	9.8	6.6	6.2
4	3.8	3.5	3.0	457	283	122	38	21	13	9.8	6.5	6.3
5	3.8	3.5	3.0	582	230	113	38	21	11	9.7	6.3	6.2
6	3.7	3.5	3.2	388	197	104	37	20	11	9.6	6.3	6.2
7	3.7	3.5	2.9	175	172	96	36	19	11	9.2	6.3	6.2
8	3.7	3.4	2.8	115	153	90	35	19	11	8.8	6.2	6.2
9	3.7	3.3	2.9	97	135	85	35	19	11	8.7	6.0	6.1
10	3.7	3.3	2.9	79	121	80	34	18	12	8.7	6.0	6.0
11	3.4	3.3	3.0	66	109	76	33	17	12	8.6	6.0	5.8
12	3.4	3.3	3.0	56	99	72	32	17	11	8.6	6.0	5.8
13	3.4	3.2	3.0	48	92	70	31	17	11	8.5	6.0	5.8
14	3.4	3.2	3.0	41	85	67	30	16	11	8.4	6.0	5.8
15	3.4	3.2	3.0	37	78	67	30	15	11	8.5	6.0	5.7
16	3.4	3.1	3.1	33	73	63	30	15	11	8.6	6.0	5.7
17	3.4	3.1	3.2	29	68	60	29	15	11	8.4	5.9	5.5
18	3.4	3.1	3.1	29	64	57	28	19	11	8.2	5.9	5.4
19	3.4	3.1	3.0	26	62	55	28	19	11	8.1	5.9	5.4
20	3.4	3.1	3.0	24	64	53	27	18	11	8.1	5.9	5.2
21	3.4	3.1	3.0	26	64	51	27	17	11	7.8	5.9	5.0
22	3.4	3.1	3.0	44	76	49	27	17	11	7.2	5.9	5.1
23	3.4	3.2	3.0	43	99	47	27	16	11	6.8	5.9	5.1
24	3.5	3.2	3.0	59	537	46	26	15	11	6.8	5.8	5.3
25	3.5	3.2	3.1	390	520	44	25	15	11	6.7	5.8	5.4
26	3.4	3.2	3.1	741	335	43	24	15	11	6.7	5.8	5.5
27	3.4	3.1	3.1	907	259	43	24	15	11	6.7	5.8	5.5
28	3.4	3.1	3.0	972	214	42	23	15	11	6.7	5.8	5.5
29	3.4	3.0	2.9	515	184	42	22	15	11	6.7	6.3	5.5
30	3.3	3.1	2.9	317	-----	41	22	14	11	6.6	7.0	5.5
31	3.3	-----	2.9	222	-----	40	-----	14	-----	6.6	7.0	-----
TOTAL	109.3	97.4	93.3	6,527.1	5,040	2,260	920	538	343	253.6	189.9	172.6
MEAN	3.53	3.25	3.01	211	174	72.9	30.7	17.4	11.4	8.18	6.13	5.75
MAX	4.0	3.5	3.2	972	537	162	42	22	14	10	7.0	7.0
MIN	3.3	3.0	2.8	2.9	62	40	22	14	11	6.6	5.8	5.0
AC-FT	217	193	185	12,950	10,000	4,480	1,820	1,070	680	503	377	342

CAL YEAR 2007 TOTAL 4,163.2 MEAN 11.4 MAX 181 MIN 2.8 AC-FT 8,260
 WTR YEAR 2008 TOTAL 16,544.2 MEAN 45.2 MAX 972 MIN 2.8 AC-FT 32,820

Discharge values based on current meter measurements to approx. 200 cfs.
 Above 200 cfs, the station rating or stage/discharge relation has been developed based on correlation with Los Padres Dam Spillway discharge.

FIGURE D-6

CACHAGUA CREEK - WY 2004

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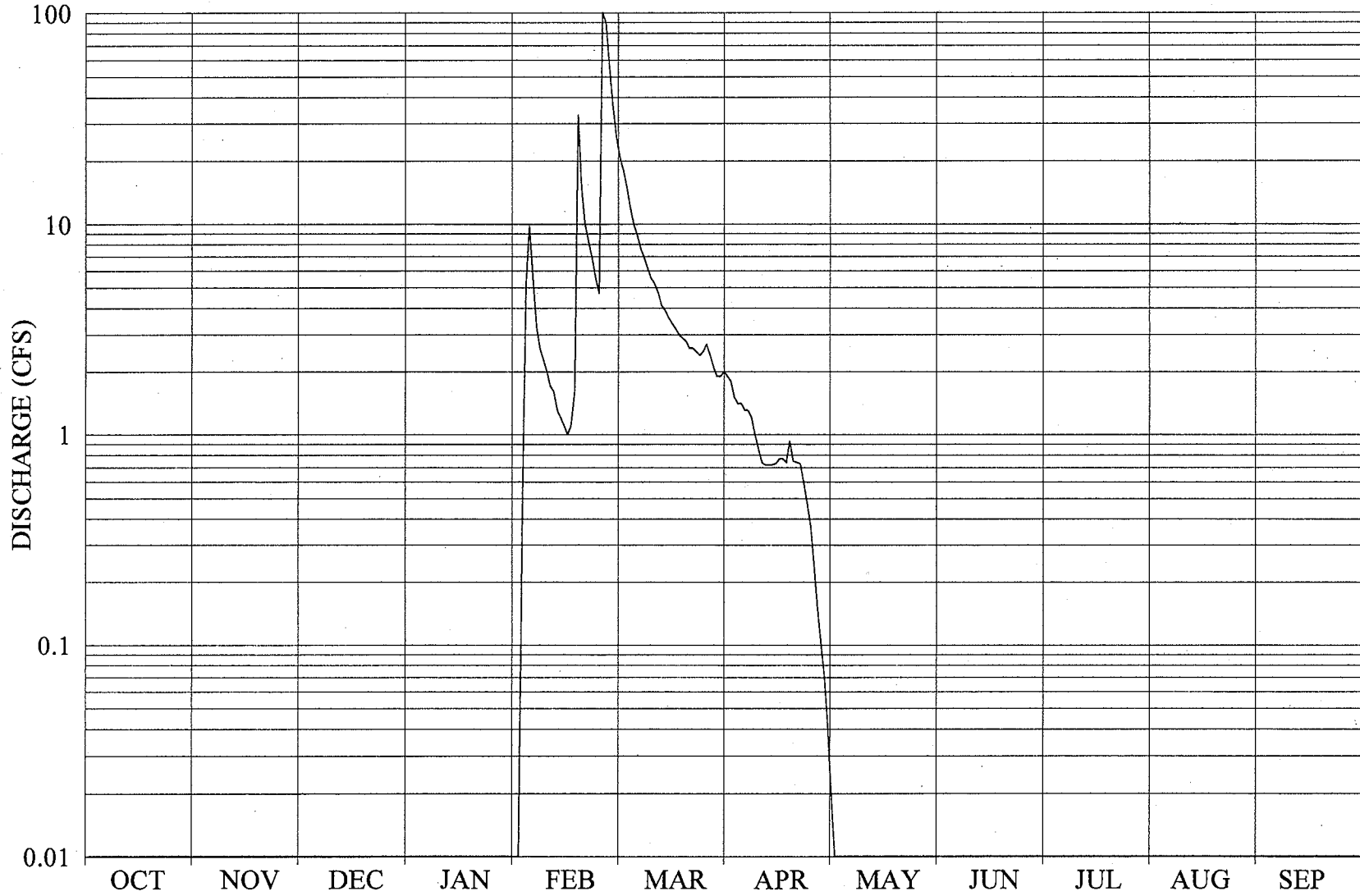


TABLE D-6

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
CACHAGUA CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2003 TO SEP 2004

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	21	1.9	.02	0	0	0	0
2	0	0	0	0	.43	18	1.8	0	0	0	0	0
3	0	0	0	0	5.1	15	1.5	0	0	0	0	0
4	0	0	0	0	9.8	12	1.4	0	0	0	0	0
5	0	0	0	0	5.5	9.9	1.4	0	0	0	0	0
6	0	0	0	0	3.3	8.8	1.3	0	0	0	0	0
7	0	0	0	0	2.6	7.6	1.3	0	0	0	0	0
8	0	0	0	0	2.3	6.9	1.2	0	0	0	0	0
9	0	0	0	0	2.0	6.1	1.0	0	0	0	0	0
10	0	0	0	0	1.7	5.5	.85	0	0	0	0	0
11	0	0	0	0	1.6	5.2	.74	0	0	0	0	0
12	0	0	0	0	1.3	4.7	.72	0	0	0	0	0
13	0	0	0	0	1.2	4.1	.72	0	0	0	0	0
14	0	0	0	0	1.1	3.9	.72	0	0	0	0	0
15	0	0	0	0	1.0	3.6	.73	0	0	0	0	0
16	0	0	0	0	1.1	3.4	.77	0	0	0	0	0
17	0	0	0	0	1.6	3.2	.77	0	0	0	0	0
18	0	0	0	0	33	3.0	.74	0	0	0	0	0
19	0	0	0	0	15	2.9	.93	0	0	0	0	0
20	0	0	0	0	10	2.8	.75	0	0	0	0	0
21	0	0	0	0	8.2	2.6	.74	0	0	0	0	0
22	0	0	0	0	6.9	2.6	.73	0	0	0	0	0
23	0	0	0	0	5.6	2.5	.60	0	0	0	0	0
24	0	0	0	0	4.7	2.4	.48	0	0	0	0	0
25	0	0	0	0	100	2.5	.37	0	0	0	0	0
26	0	0	0	0	90	2.7	.24	0	0	0	0	0
27	0	0	0	0	55	2.4	.15	0	0	0	0	0
28	0	0	0	0	36	2.1	-.10	0	0	0	0	0
29	0	0	0	0	26	1.9	-.07	0	0	0	0	0
30	0	0	0	0	-----	1.9	-.04	0	0	0	0	0
31	0	-----	0	0	-----	2.0	-----	0	-----	0	0	-----
TOTAL	0	0	0	0	432.03	173.2	24.76	0.02	0	0	0	0
MEAN	0	0	0	0	14.9	5.59	.83	.001	0	0	0	0
MAX	0	0	0	0	100	21	1.9	.02	0	0	0	0
MIN	0	0	0	0	0	1.9	.04	0	0	0	0	0
AC-FT	0	0	0	0	857	344	49	.04	0	0	0	0
CAL YEAR 2003	TOTAL	452.26	MEAN	1.24	MAX	14	MIN	.0	AC-FT	897		
WTR YEAR 2004	TOTAL	630.01	MEAN	1.72	MAX	100	MIN	0	AC-FT	1,250		

FIGURE D-7

CACHAGUA CREEK - WY 2005

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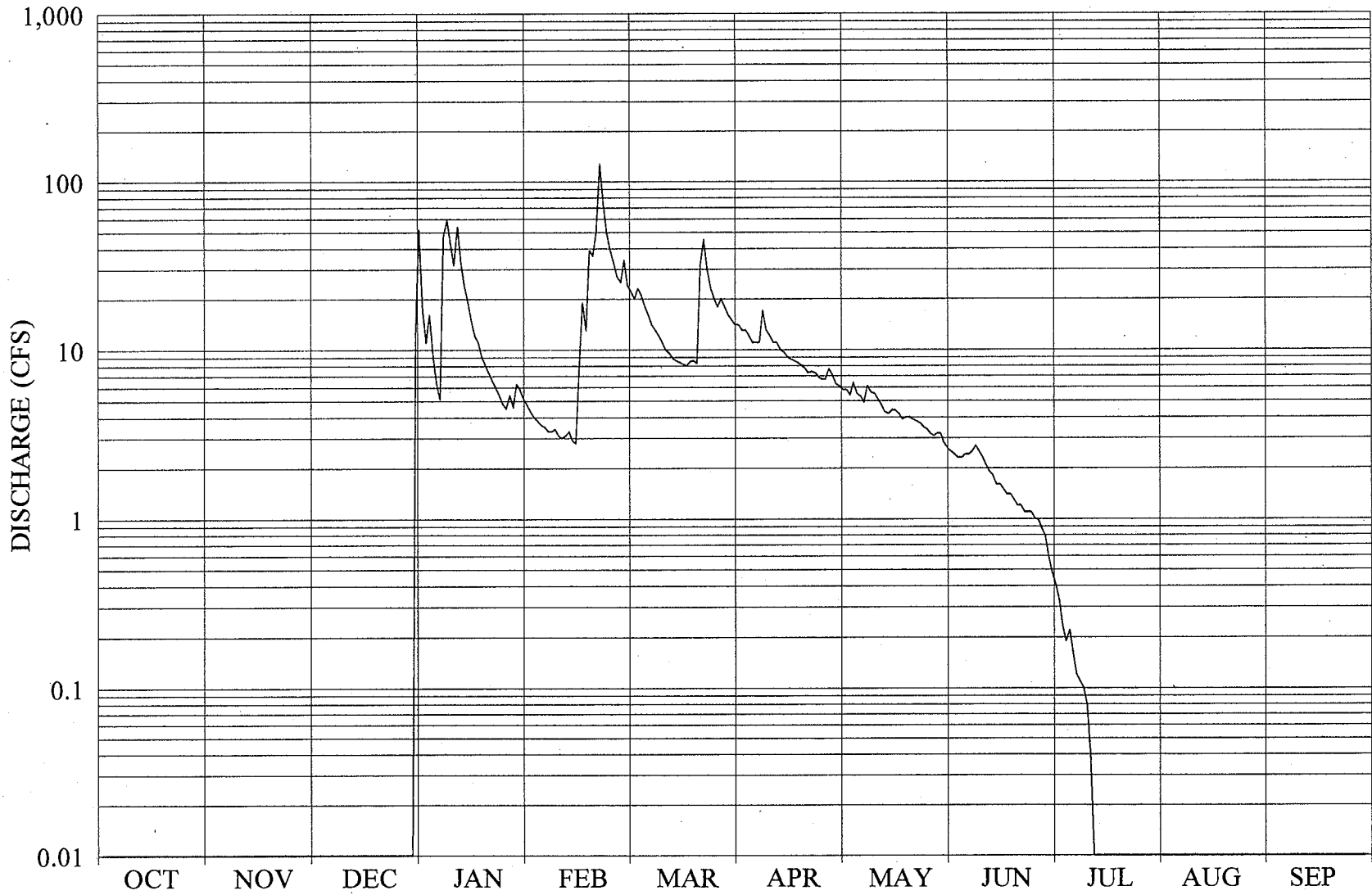


TABLE D-7

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
CACHAGUA CREEK

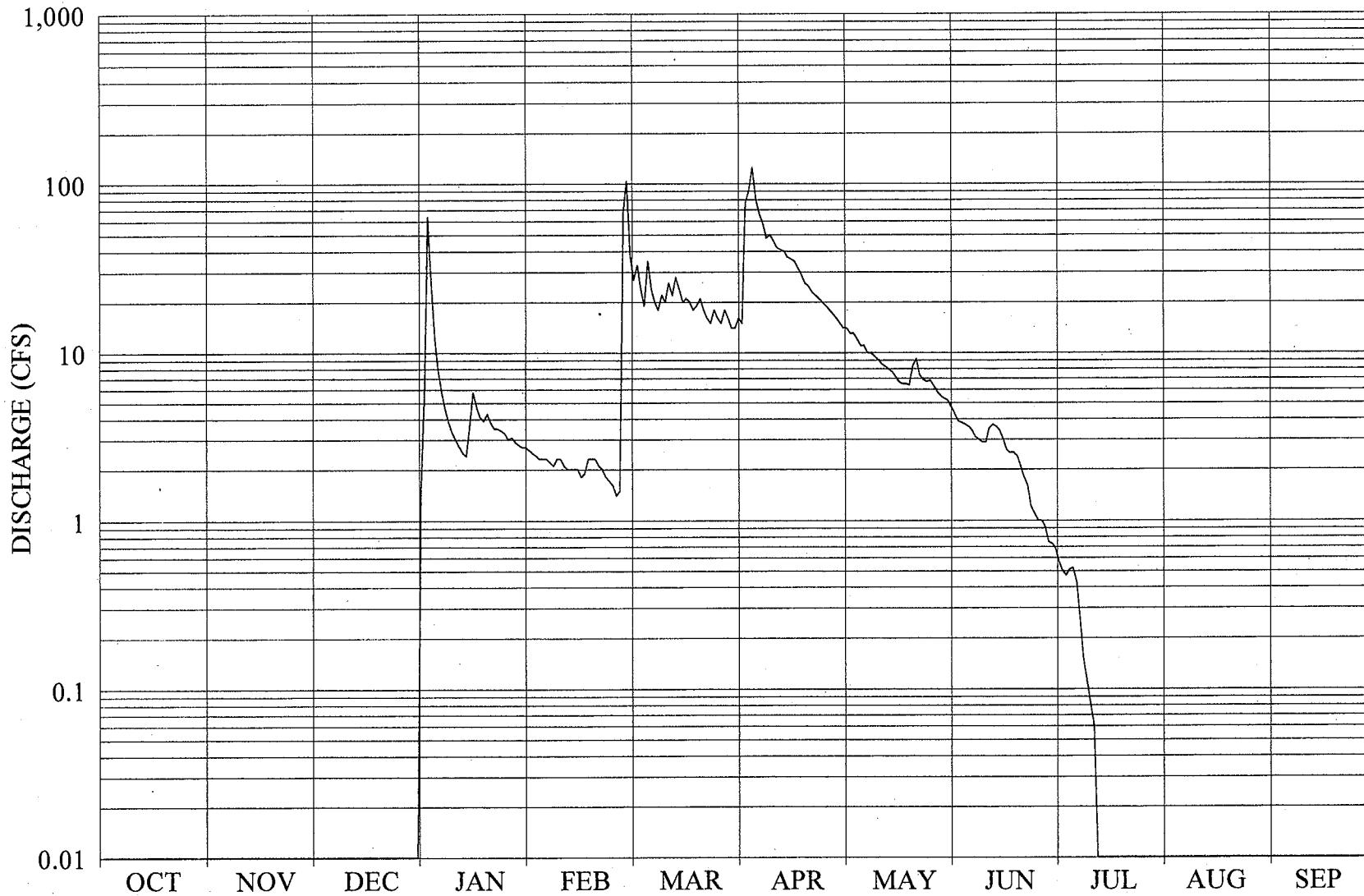
DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2004 TO SEP 2005

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	17	4.3	24	14	6.1	2.6	.48	0	0
2	0	0	0	11	4.0	22	14	5.8	2.5	.41	0	0
3	0	0	0	16	3.8	20	13	5.8	2.4	.33	0	0
4	0	0	0	9.0	3.6	23	13	5.4	2.3	.23	0	0
5	0	0	0	6.3	3.5	21	12	6.4	2.3	.19	0	0
6	0	0	0	5.1	3.3	18	11	5.5	2.4	.22	0	0
7	0	0	0	47	3.3	16	11	5.3	2.4	.16	0	0
8	0	0	0	59	3.4	14	11	4.9	2.5	.12	0	0
9	0	0	0	43	3.1	13	17	6.1	2.7	.11	0	0
10	0	0	0	32	3.0	12	13	5.6	2.5	.10	0	0
11	0	0	0	54	3.1	11	12	5.5	2.3	.08	0	0
12	0	0	0	33	3.3	10	11	5.1	2.1	.04	0	0
13	0	0	0	24	2.9	9.5	11	4.7	1.9	0	0	0
14	0	0	0	19	2.8	8.9	10	4.3	1.8	0	0	0
15	0	0	0	15	7.7	8.6	9.7	4.2	1.6	0	0	0
16	0	0	0	12	19	8.4	9.1	4.4	1.6	0	0	0
17	0	0	0	11	13	8.2	8.8	4.4	1.5	0	0	0
18	0	0	0	9.1	39	8.0	8.6	4.2	1.4	0	0	0
19	0	0	0	8.1	36	8.5	8.4	3.9	1.4	0	0	0
20	0	0	0	7.3	50	8.6	8.1	4.0	1.3	0	0	0
21	0	0	0	6.6	127	8.3	7.8	4.0	1.2	0	0	0
22	0	0	0	6.0	74	32	7.3	3.9	1.2	0	0	0
23	0	0	0	5.4	50	45	7.4	3.8	1.1	0	0	0
24	0	0	0	4.8	39	30	7.3	3.7	1.1	0	0	0
25	0	0	0	4.5	33	23	6.9	3.5	1.1	0	0	0
26	0	0	0	5.4	27	20	6.7	3.4	1.0	0	0	0
27	0	0	0	4.6	25	18	6.7	3.2	.99	0	0	0
28	0	0	0	6.3	34	20	7.7	3.1	.88	0	0	0
29	0	0	0	5.8	-----	18	7.0	3.2	.79	0	0	0
30	0	0	12	5.1	-----	16	6.3	3.2	.59	0	0	0
31	0	-----	52	4.7	-----	15	-----	2.8	-----	0	0	-----
TOTAL	0	0	64	497.1	621.1	518.0	296.8	139.4	51.45	2.47	0	0
MEAN	0	0	2.06	16.0	22.2	16.7	9.89	4.50	1.72	.080	0	0
MAX	0	0	52	59	127	45	17	6.4	2.7	.48	0	0
MIN	0	0	0	4.5	2.8	8.0	6.3	2.8	.59	0	0	0
AC-FT	0	0	127	986	1,230	1,030	589	276	102	4.9	0	0

CAL YEAR 2004	TOTAL	695.37	MEAN	1.90	MAX	100	MIN	0	AC-FT	1,380
WTR YEAR 2005	TOTAL	2,190.32	MEAN	6.00	MAX	127	MIN	0	AC-FT	4,340

FIGURE D-8

CACHAGUA CREEK - WY 2006



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TABLE D-8

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
CACHAGUA CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2005 TO SEP 2006

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	5.5	2.5	38	16	14	4.7	.68	0	0
2	0	0	0	64	2.4	27	15	14	4.3	.57	0	0
3	0	0	0	26	2.3	33	76	13	3.9	.50	0	0
4	0	0	0	12	2.3	24	91	13	3.8	.47	0	0
5	0	0	0	7.7	2.3	19	125	12	3.7	.51	0	0
6	0	0	0	5.8	2.2	35	81	11	3.6	.52	0	0
7	0	0	0	4.6	2.1	24	66	11	3.4	.43	0	0
8	0	0	0	3.8	2.3	20	58	10	3.1	.26	0	0
9	0	0	0	3.3	2.3	18	48	10	3.0	.15	0	0
10	0	0	0	3.0	2.1	22	50	9.5	2.9	.11	0	0
11	0	0	0	2.7	2.0	20	46	9.1	2.9	.08	0	0
12	0	0	0	2.5	2.0	26	42	8.6	3.5	.06	0	0
13	0	0	0	2.4	2.0	22	41	8.3	3.7	.01	0	0
14	0	0	0	3.7	2.0	28	40	8.0	3.6	0	0	0
15	0	0	0	5.8	1.8	24	37	7.7	3.4	0	0	0
16	0	0	0	4.7	1.9	20	36	7.2	3.0	0	0	0
17	0	0	0	4.1	2.3	21	35	6.7	2.6	0	0	0
18	0	0	0	3.9	2.3	20	32	6.5	2.5	0	0	0
19	0	0	0	4.3	2.3	18	29	6.5	2.5	0	0	0
20	0	0	0	3.8	2.1	19	26	6.4	2.4	0	0	0
21	0	0	0	3.5	2.0	21	25	8.4	2.1	0	0	0
22	0	0	0	3.5	1.8	18	23	9.2	1.8	0	0	0
23	0	0	0	3.4	1.7	16	22	7.3	1.6	0	0	0
24	0	0	0	3.3	1.6	15	21	6.9	1.2	0	0	0
25	0	0	0	3.0	1.4	18	20	6.7	1.1	0	0	0
26	0	0	0	3.1	1.5	16	19	6.8	1.0	0	0	0
27	0	0	0	2.9	67	15	18	6.3	1.0	0	0	0
28	0	0	0	2.8	104	18	17	5.8	.92	0	0	0
29	0	0	0	2.7	-----	16	16	5.5	.75	0	0	0
30	0	0	0	2.7	-----	14	15	5.3	.73	0	0	0
31	0	-----	1.5	2.6	-----	14	-----	5.2	-----	0	0	-----
TOTAL	0	0	1.5	207.1	224.5	659	1,186	265.9	78.70	4.35	0	0
MEAN	0	0	.048	6.68	8.02	21.3	39.5	8.58	2.62	.14	0	0
MAX	0	0	1.5	64	104	38	125	14	4.7	.68	0	0
MIN	0	0	0	2.4	1.4	14	15	5.2	.73	0	0	0
AC-FT	0	0	3.0	411	445	1,310	2,350	527	156	8.6	0	0

CAL YEAR 2005	TOTAL	2,127.82	MEAN	5.83	MAX	127	MIN	0	AC-FT	4,220
WTR YEAR 2006	TOTAL	2,627.05	MEAN	7.20	MAX	125	MIN	0	AC-FT	5,210

FIGURE D-9

CACHAGUA CREEK - WY 2007

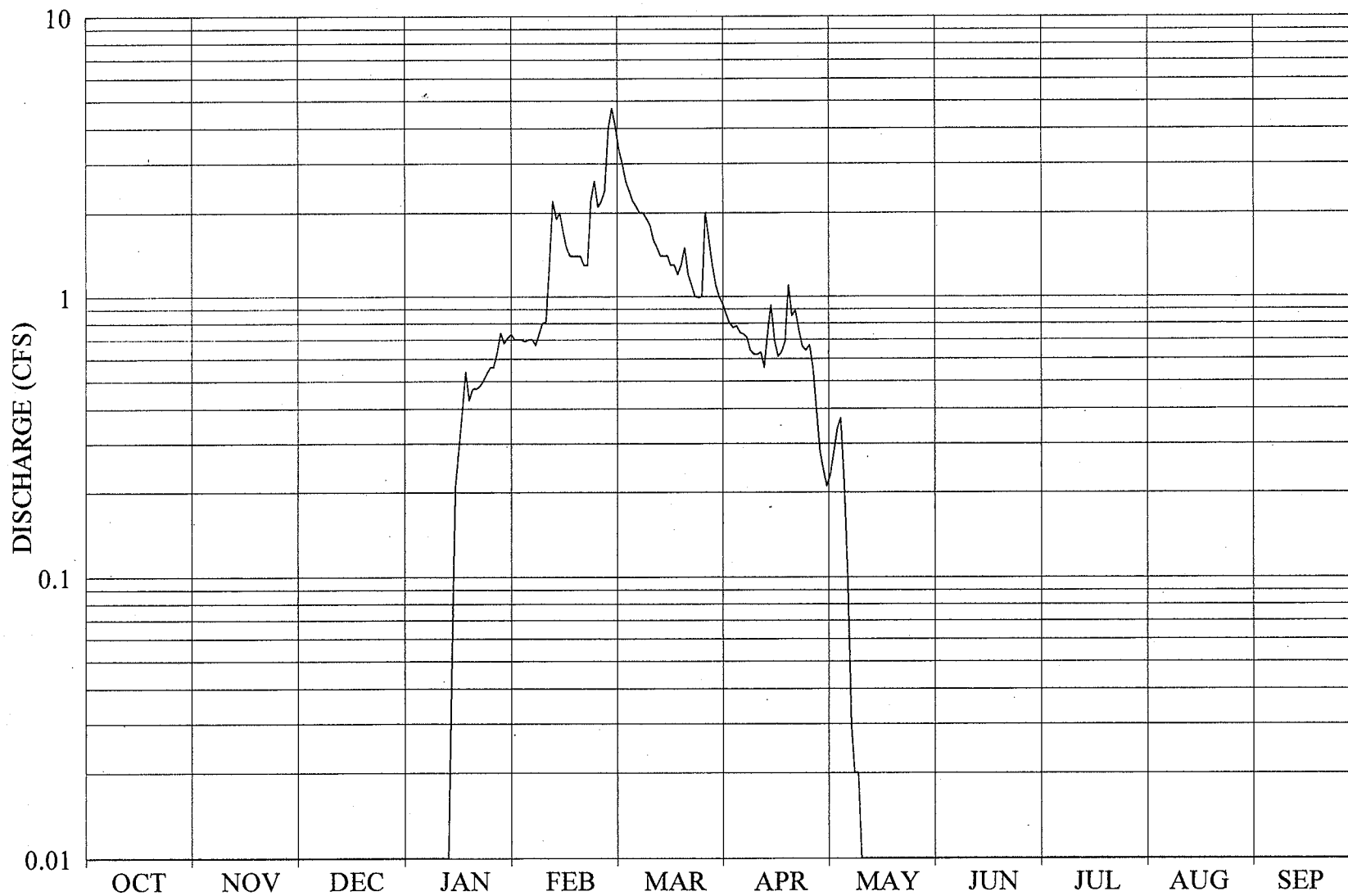


TABLE D-9

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
CACHAGUA CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2006 TO SEP 2007

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	.70	4.1	.94	.21	0	0	0	0
2	0	0	0	0	.70	3.4	.86	.23	0	0	0	0
3	0	0	0	0	.69	3.0	.80	.28	0	0	0	0
4	0	0	0	0	.70	2.6	.77	.34	0	0	0	0
5	0	0	0	0	.70	2.4	.78	.37	0	0	0	0
6	0	0	0	0	.67	2.2	.74	.21	0	0	0	0
7	0	0	0	0	.73	2.1	.73	.10	0	0	0	0
8	0	0	0	0	.80	2.0	.71	.03	0	0	0	0
9	0	0	0	0	.81	2.0	.64	.02	0	0	0	0
10	0	0	0	0	1.3	1.9	.62	.02	0	0	0	0
11	0	0	0	0	2.2	1.8	.62	.01	0	0	0	0
12	0	0	0	0	1.9	1.6	.63	.01	0	0	0	0
13	0	0	0	.05	2.0	1.5	.56	0	0	0	0	0
14	0	0	0	.21	1.7	1.4	.75	0	0	0	0	0
15	0	0	0	.28	1.5	1.4	.93	0	0	0	0	0
16	0	0	0	.39	1.4	1.4	.69	0	0	0	0	0
17	0	0	0	.54	1.4	1.3	.61	0	0	0	0	0
18	0	0	0	.43	1.4	1.3	.63	0	0	0	0	0
19	0	0	0	.47	1.4	1.2	.69	0	0	0	0	0
20	0	0	0	.47	1.3	1.3	1.1	0	0	0	0	0
21	0	0	0	.48	1.3	1.5	.85	0	0	0	0	0
22	0	0	0	.50	2.2	1.2	.89	0	0	0	0	0
23	0	0	0	.53	2.6	1.1	.75	0	0	0	0	0
24	0	0	0	.56	2.1	1.0	.66	0	0	0	0	0
25	0	0	0	.56	2.2	.99	.64	0	0	0	0	0
26	0	0	0	.63	2.4	1.0	.67	0	0	0	0	0
27	0	0	0	.74	4.0	2.0	.56	0	0	0	0	0
28	0	0	0	.68	4.7	1.6	.40	0	0	0	0	0
29	0	0	0	.71	-----	1.3	.28	0	0	0	0	0
30	0	0	0	.73	-----	1.1	.24	0	0	0	0	0
31	0	-----	0	.70	-----	1.0	-----	0	-----	0	0	-----
TOTAL	0	0	0	9.66	45.50	53.69	20.74	1.83	0	0	0	0
MEAN	0	0	0	.31	1.63	1.73	.69	.059	0	0	0	0
MAX	0	0	0	.74	4.7	4.1	1.1	.37	0	0	0	0
MIN	0	0	0	0	.67	.99	.24	0	0	0	0	0
AC-FT	0	0	0	19	90	106	41	3.6	0	0	0	0

CAL YEAR 2006	TOTAL	2,625.55	MEAN	7.19	MAX	125	MIN	0	AC-FT	5,210
WTR YEAR 2007	TOTAL	131.42	MEAN	.36	MAX	4.7	MIN	0	AC-FT	261

FIGURE D-10

CACHAGUA CREEK - WY 2008

145

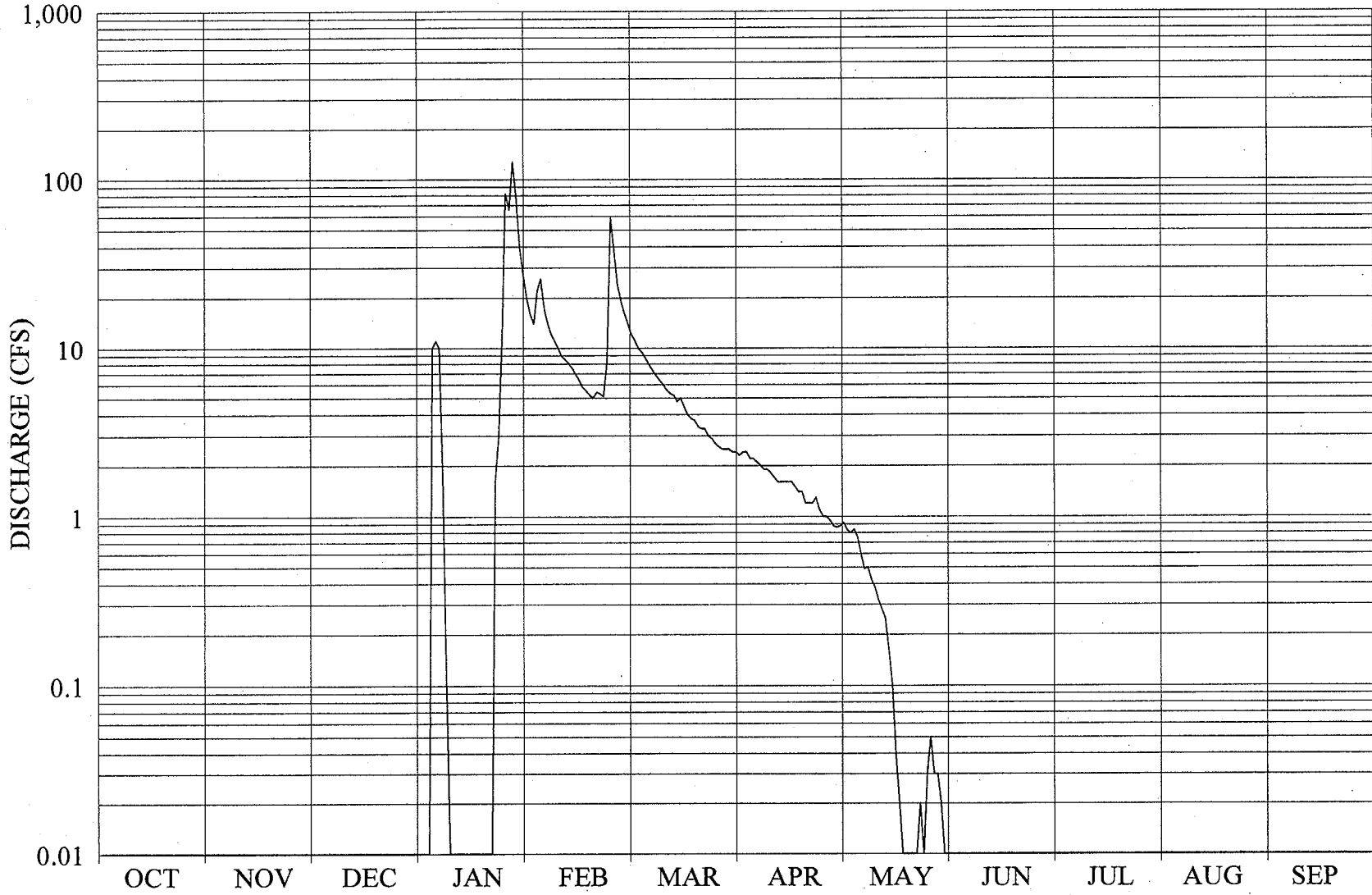


TABLE D-10

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
CACHAGUA CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2007 TO SEP 2008

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	16	12	2.3	.92	0	0	0	0
2	0	0	0	0	14	11	2.4	.83	0	0	0	0
3	0	0	0	0	22	9.9	2.4	.80	0	0	0	0
4	0	0	0	10	26	9.4	2.2	.84	0	0	0	0
5	0	0	0	11	17	8.6	2.2	.75	0	0	0	0
6	0	0	0	10	14	7.9	2.1	.59	0	0	0	0
7	0	0	0	1.7	12	7.3	2.0	.49	0	0	0	0
8	0	0	0	.09	11	6.8	1.9	.50	0	0	0	0
9	0	0	0	0	9.9	6.4	1.9	.42	0	0	0	0
10	0	0	0	0	8.9	6.0	1.8	.38	0	0	0	0
11	0	0	0	0	8.5	5.6	1.7	.32	0	0	0	0
12	0	0	0	0	8.0	5.3	1.6	.28	0	0	0	0
13	0	0	0	0	7.5	5.2	1.6	.25	0	0	0	0
14	0	0	0	0	6.9	4.8	1.6	.16	0	0	0	0
15	0	0	0	0	6.4	5.0	1.6	.10	0	0	0	0
16	0	0	0	0	5.8	4.5	1.6	.04	0	0	0	0
17	0	0	0	0	5.5	4.0	1.5	.02	0	0	0	0
18	0	0	0	0	5.2	3.8	1.4	.01	0	0	0	0
19	0	0	0	0	5.0	3.7	1.4	.01	0	0	0	0
20	0	0	0	0	5.4	3.4	1.2	0	0	0	0	0
21	0	0	0	0	5.3	3.3	1.2	0	0	0	0	0
22	0	0	0	1.6	5.1	3.3	1.2	.01	0	0	0	0
23	0	0	0	3.0	8.1	3.0	1.3	.02	0	0	0	0
24	0	0	0	12	59	2.9	1.1	.01	0	0	0	0
25	0	0	0	82	38	2.7	1.0	.03	0	0	0	0
26	0	0	0	66	24	2.6	1.0	.05	0	0	0	0
27	0	0	0	127	19	2.5	.95	.03	0	0	0	0
28	0	0	0	78	16	2.5	.88	.03	0	0	0	0
29	0	0	0	40	14	2.5	.86	.02	0	0	0	0
30	0	0	0	27	-----	2.4	.88	.01	0	0	0	0
31	0	-----	0	20	-----	2.4	-----	0	-----	0	0	-----
TOTAL	0	0	0	489.39	403.5	160.7	46.77	7.92	0	0	0	0
MEAN	0	0	0	15.8	13.9	5.18	1.56	.26	0	0	0	0
MAX	0	0	0	127	59	12	2.4	.92	0	0	0	0
MIN	0	0	0	0	5.0	2.4	.86	0	0	0	0	0
AC-FT	0	0	0	971	800	319	93	16	0	0	0	0

CAL YEAR 2007	TOTAL	131.42	MEAN	.36	MAX	4.7	MIN	0	AC-FT	261
WTR YEAR 2008	TOTAL	1,108.28	MEAN	3.03	MAX	127	MIN	0	AC-FT	2,200

FIGURE D-11

PINE CREEK - WY 2004

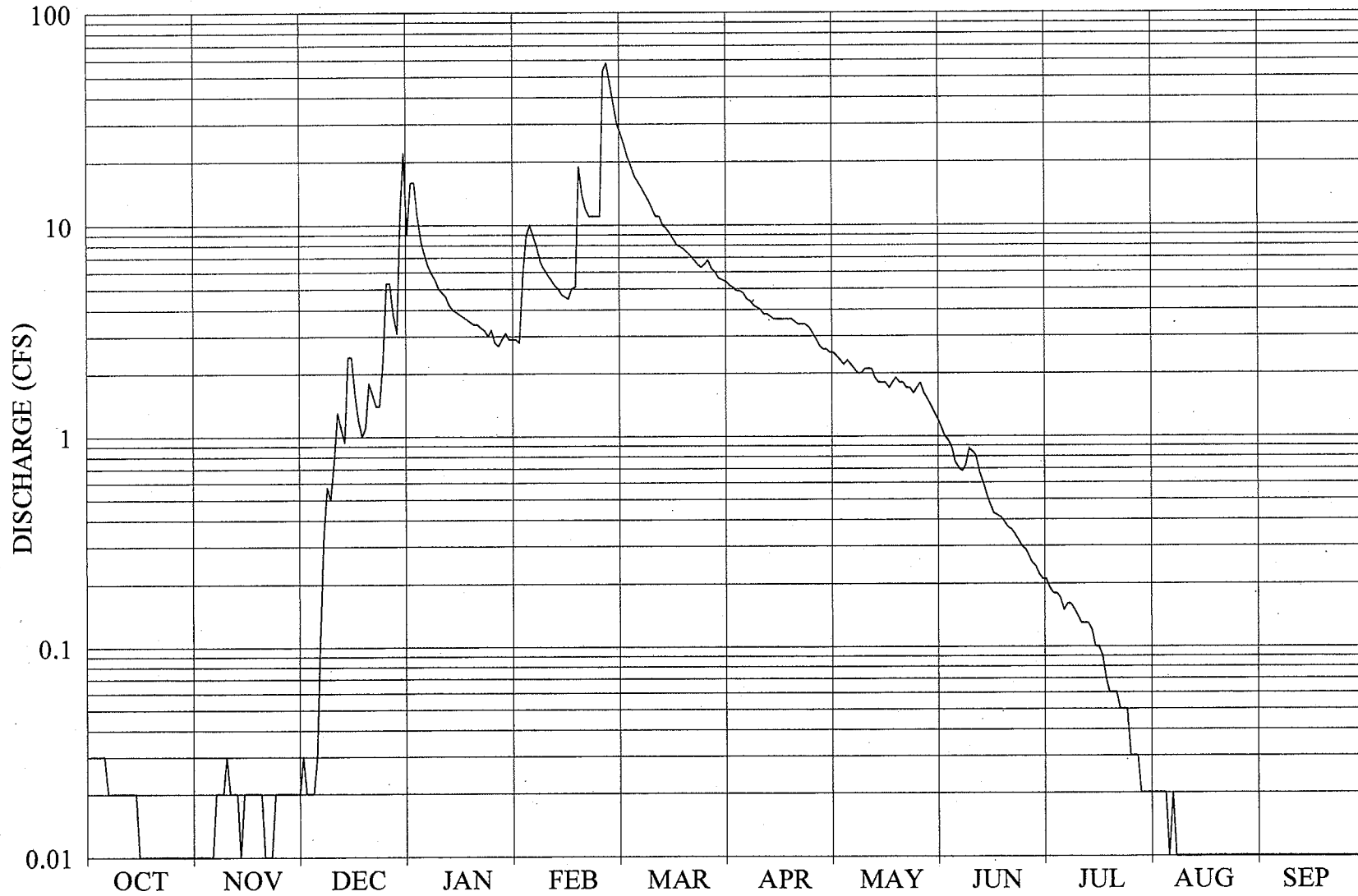


TABLE D-11

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
PINE CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2003 TO SEP 2004

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.03	0	.03	16	2.8	27	5.2	2.5	1.1	.21	.02	0
2	.03	.01	.02	16	5.8	24	5.1	2.4	1.0	.19	.02	0
3	.03	.01	.02	11	8.9	21	4.9	2.3	.95	.18	.02	0
4	.03	.01	.02	8.3	10	19	4.9	2.2	.88	.18	.02	0
5	.03	.01	.03	7.2	8.8	17	4.8	2.3	.75	.17	.01	0
6	.02	.02	.12	6.4	7.8	16	4.5	2.2	.70	.15	.02	0
7	.02	.02	.34	5.9	6.7	15	4.4	2.1	.68	.16	.01	0
8	.02	.02	.57	5.5	6.2	14	4.2	2.0	.73	.16	.01	0
9	.02	.03	.50	5.0	5.8	13	4.1	2.0	.87	.15	.01	0
10	.02	.02	.77	4.8	5.5	12	4.0	2.1	.84	.14	.01	0
11	.02	.02	1.3	4.6	5.2	11	3.8	2.1	.80	.13	.01	0
12	.02	.02	1.1	4.2	5.0	11	3.8	2.1	.67	.13	.01	0
13	.02	.01	.94	4.0	4.7	10	3.7	1.9	.60	.13	.01	0
14	.02	.02	2.4	3.9	4.6	9.6	3.6	1.8	.53	.12	.01	0
15	.01	.02	2.4	3.8	4.5	9.1	3.6	1.8	.47	.10	.01	0
16	.01	.02	1.6	3.7	5.0	8.6	3.6	1.8	.43	.10	.01	0
17	.01	.02	1.2	3.6	5.1	8.0	3.6	1.7	.42	.09	.01	0
18	.01	.02	1.0	3.5	19	7.9	3.6	1.8	.41	.07	.01	0
19	.01	.02	1.1	3.4	14	7.7	3.6	1.9	.39	.06	.01	0
20	.01	.01	1.8	3.4	12	7.4	3.5	1.8	.37	.06	0	0
21	.01	.01	1.6	3.3	11	7.1	3.4	1.8	.36	.06	0	0
22	.01	.01	1.4	3.2	11	6.8	3.4	1.7	.34	.05	0	0
23	.01	.02	1.4	3.0	11	6.5	3.4	1.7	.32	.05	0	0
24	.01	.02	2.2	3.2	11	6.3	3.3	1.6	.30	.05	0	0
25	.01	.02	5.3	2.8	53	6.5	3.1	1.7	.29	.03	0	0
26	0	.02	5.3	2.7	58	6.8	2.9	1.8	.27	.03	0	0
27	0	.02	3.8	2.9	46	6.2	2.7	1.6	.25	.03	0	0
28	0	.02	3.1	3.1	37	6.0	2.6	1.5	.24	.02	0	0
29	0	.02	11	2.9	30	5.6	2.6	1.4	.22	.02	0	0
30	0	.02	22	2.9	-----	5.5	2.5	1.3	.21	.02	0	0
31	.01	-----	9.1	2.9	-----	5.4	-----	1.2	-----	.02	0	-----
TOTAL	0.45	0.51	83.46	157.1	415.4	337.0	112.4	58.1	16.39	3.06	0.24	0
MEAN	.015	.017	2.69	5.07	14.3	10.9	3.75	1.87	.55	.099	.008	0
MAX	.03	.03	22	16	58	27	5.2	2.5	1.1	.21	.02	0
MIN	0	0	.02	2.7	2.8	5.4	2.5	1.2	.21	.02	0	0
AC-FT	.9	1.0	166	312	824	668	223	115	33	6.1	.5	0
CAL YEAR 2003	TOTAL	1,533.15	MEAN	4.20	MAX	31	MIN	0	AC-FT	3,040		
WTR YEAR 2004	TOTAL	1,184.11	MEAN	3.24	MAX	58	MIN	0	AC-FT	2,350		

FIGURE D-12

PINE CREEK - WY 2005

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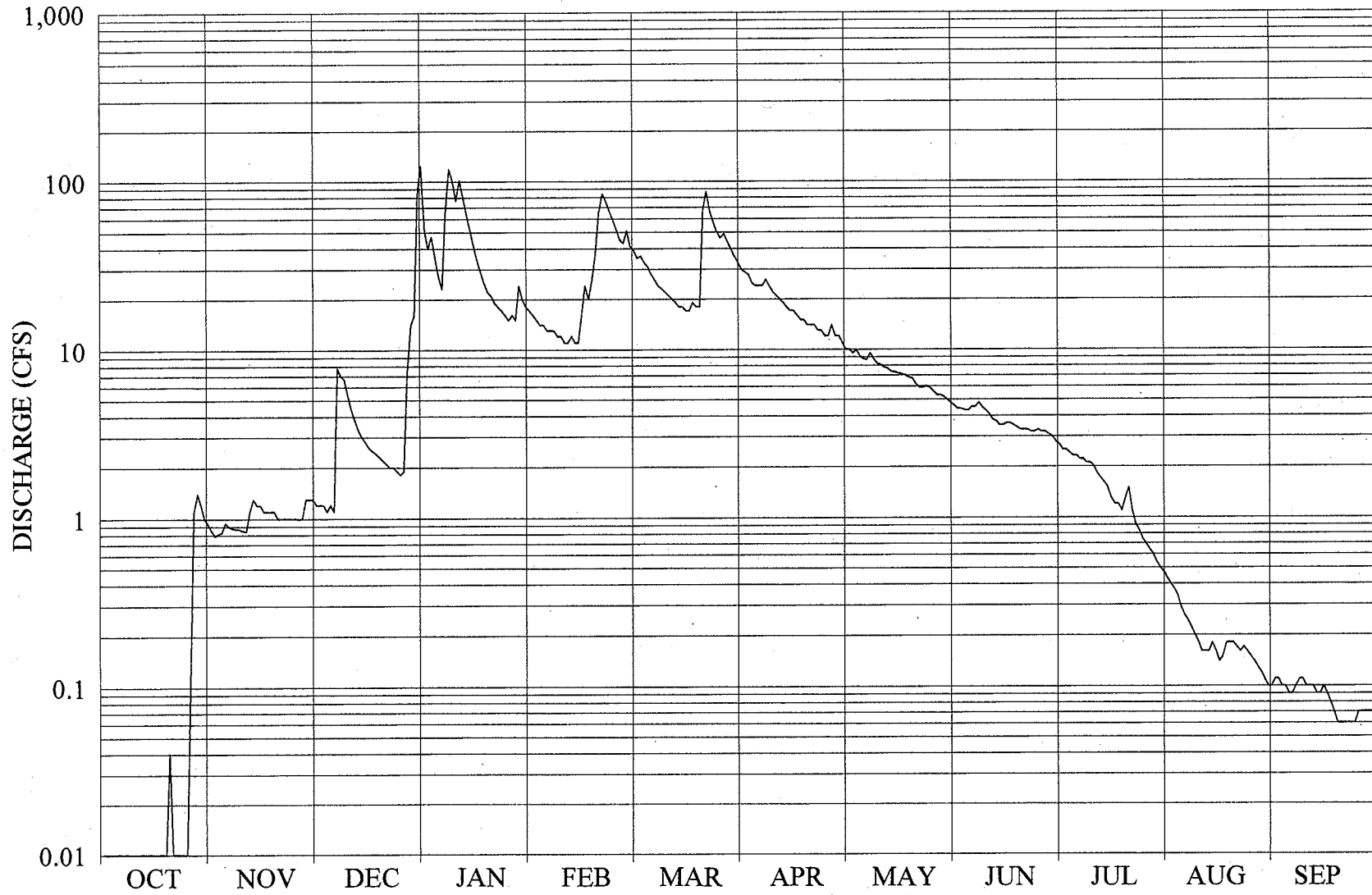


TABLE D-12

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
PINE CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2004 TO SEP 2005

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	.85	1.2	51	16	41	33	11	4.8	2.8	.47	.10
2	0	.79	1.2	40	15	39	30	10	4.6	2.7	.43	.11
3	0	.81	1.2	47	14	35	29	10	4.4	2.5	.40	.11
4	0	.83	1.1	35	14	36	28	9.5	4.4	2.5	.37	.10
5	0	.94	1.2	27	13	33	25	9.9	4.3	2.4	.34	.10
6	0	.90	1.1	23	13	31	24	9.1	4.3	2.3	.29	.09
7	0	.88	7.8	65	13	28	24	8.8	4.5	2.3	.26	.09
8	0	.87	7.0	118	12	26	24	8.7	4.5	2.2	.24	.10
9	0	.87	6.7	101	12	24	26	9.5	4.8	2.2	.22	.11
10	0	.85	5.3	77	11	23	24	8.7	4.5	2.1	.20	.11
11	0	.84	4.4	101	11	22	22	8.2	4.3	2.1	.18	.10
12	0	1.1	3.8	80	12	21	21	8.1	4.1	2.0	.16	.10
13	0	1.3	3.3	64	11	20	20	7.8	3.8	1.8	.16	.10
14	0	1.2	3.0	51	11	19	19	7.7	3.7	1.7	.16	.09
15	0	1.2	2.8	42	16	18	18	7.4	3.5	1.6	.18	.09
16	0	1.1	2.6	34	24	18	17	7.3	3.5	1.5	.16	.10
17	0	1.1	2.5	29	20	17	17	7.2	3.6	1.3	.14	.09
18	0	1.1	2.4	25	26	17	16	7.1	3.6	1.2	.15	.08
19	.01	1.1	2.3	22	37	19	15	7.0	3.5	1.2	.18	.07
20	.04	1.0	2.2	21	65	18	15	6.8	3.4	1.1	.18	.06
21	.01	1.0	2.1	19	84	18	14	6.7	3.3	1.3	.18	.06
22	.01	1.0	2.0	18	76	67	14	6.2	3.3	1.5	.17	.06
23	.01	1.0	2.0	17	67	87	14	5.9	3.3	1.1	.16	.06
24	.01	1.0	1.9	16	59	67	13	5.9	3.2	.91	.17	.06
25	.01	1.0	1.8	15	52	57	13	6.0	3.2	.83	.16	.06
26	.11	.99	1.9	16	45	50	12	5.9	3.3	.74	.15	.07
27	1.1	1.0	7.2	15	43	46	12	5.6	3.2	.69	.14	.07
28	1.4	1.3	14	24	51	49	14	5.3	3.2	.64	.13	.07
29	1.2	1.3	16	20	-----	44	12	5.3	3.1	.60	.12	.07
30	1.0	1.3	83	18	-----	40	12	5.2	3.0	.54	.11	.07
31	.93	-----	124	17	-----	36	-----	5.0	-----	.50	.10	-----
TOTAL	5.84	30.52	319.0	1,248	843	1,066	577	232.8	114.2	48.85	6.46	2.55
MEAN	.19	1.02	10.3	40.3	30.1	34.4	19.2	7.51	3.81	1.58	.21	.085
MAX	1.4	1.3	124	118	84	87	33	11	4.8	2.8	.47	.11
MIN	0	.79	1.1	15	11	17	12	5.0	3.0	.50	.10	.06
AC-FT	12	61	633	2,480	1,670	2,110	1,140	462	227	97	13	5.1
CAL YEAR 2004	TOTAL	1,455.05	MEAN	3.98	MAX	124	MIN	0	AC-FT	2,890		
WTR YEAR 2005	TOTAL	4,494.22	MEAN	12.3	MAX	124	MIN	0	AC-FT	8,910		

FIGURE D-13

PINE CREEK - WY 2006

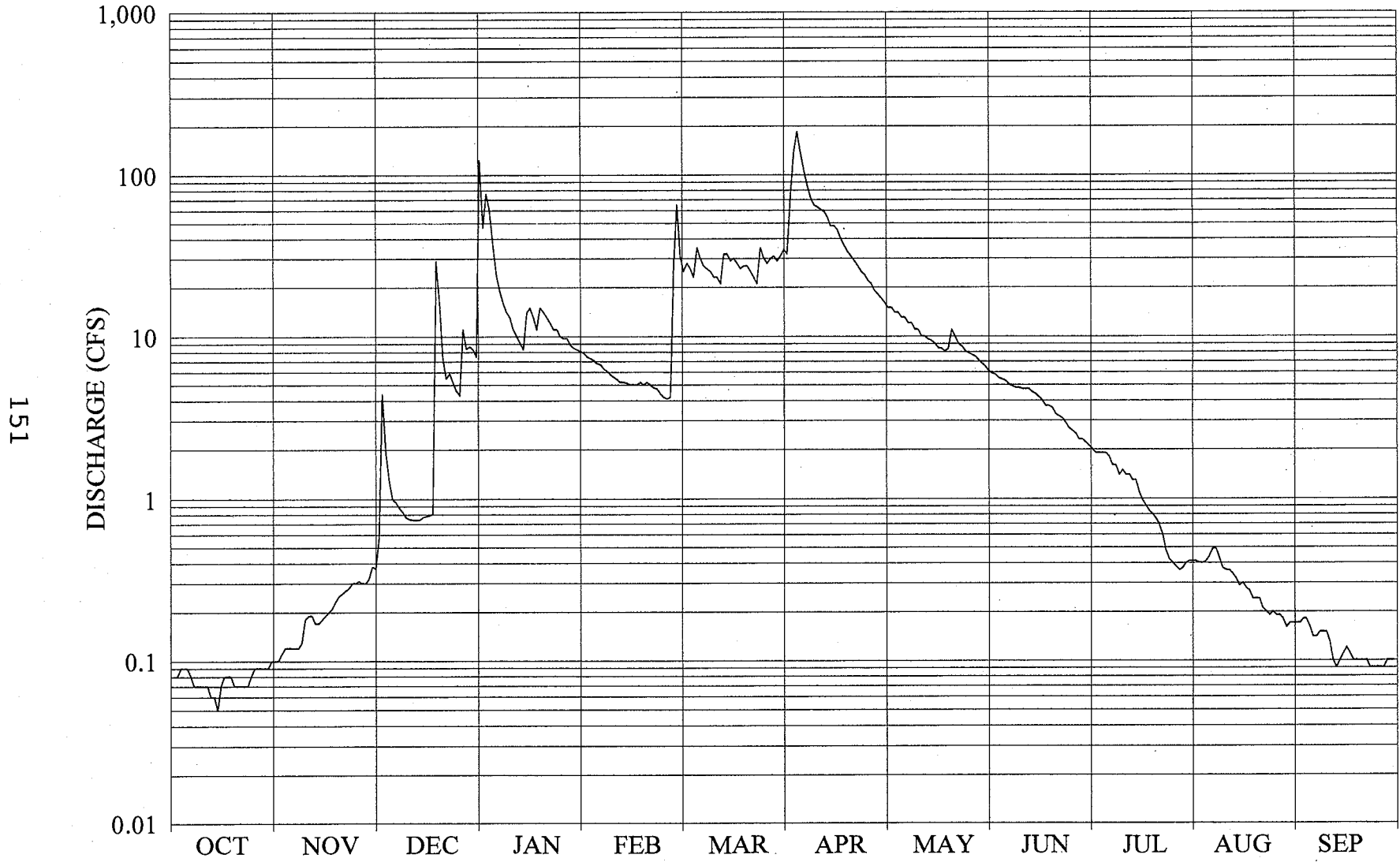


TABLE D-13

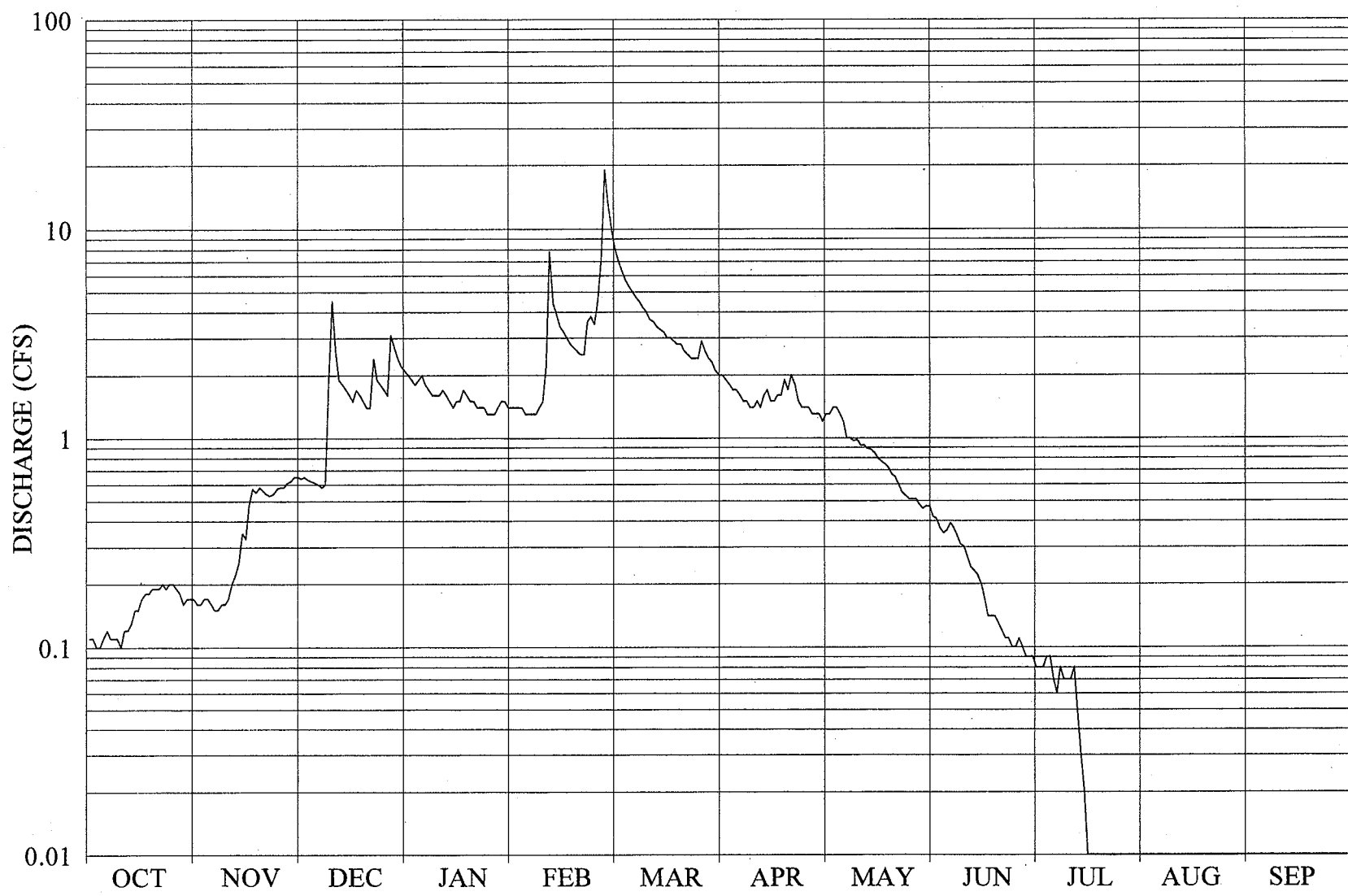
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
PINE CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2005 TO SEP 2006

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.08	.10	.57	47	7.5	31	34	16	6.1	2.1	-.41	-.17
2	.08	.11	4.4	76	7.3	25	32	15	5.9	2.0	-.41	-.17
3	.09	.12	1.9	60	7.1	28	72	15	5.8	1.9	-.40	-.18
4	.09	.12	1.3	36	6.8	26	137	14	5.5	1.9	-.40	-.18
5	.09	.12	1.0	24	6.7	23	184	14	5.4	1.9	-.41	-.16
6	.08	.12	.95	19	6.3	35	138	13	5.3	1.9	-.44	-.14
7	.07	.12	.88	16	6.1	30	106	13	5.0	1.8	-.49	-.14
8	.07	.13	.83	14	5.8	27	86	12	4.9	1.6	-.49	-.15
9	.07	.18	.77	13	5.6	26	72	12	4.8	1.6	-.43	-.15
10	.07	.19	.75	11	5.4	25	65	11	4.8	1.4	-.37	-.15
11	.07	.19	.74	10	5.2	23	63	11	4.7	1.5	-.36	-.13
12	.06	.17	.74	9.1	5.2	23	61	10	4.7	1.4	-.36	-.10
13	.06	.17	.74	8.3	5.1	21	59	10	4.7	1.4	-.34	-.09
14	.05	.18	.77	14	5.0	32	54	9.6	4.5	1.3	-.32	-.10
15	.07	.19	.78	15	5.0	32	48	9.4	4.4	1.3	-.29	-.11
16	.08	.20	.79	13	5.0	29	48	9.0	4.2	1.1	-.30	-.12
17	.08	.21	.81	11	5.2	30	45	8.5	4.0	.98	-.28	-.11
18	.08	.23	29	15	5.0	28	40	8.4	3.7	.90	-.27	-.10
19	.07	.25	16	14	5.2	26	36	8.1	3.7	.84	-.24	-.10
20	.07	.26	7.4	13	5.0	27	33	8.4	3.6	.80	-.24	-.10
21	.07	.27	5.5	12	4.8	27	31	11	3.3	.75	-.24	-.10
22	.07	.28	5.9	11	4.7	25	29	9.9	3.2	.69	-.21	-.10
23	.07	.30	5.2	11	4.4	23	27	9.0	3.1	.60	-.20	-.09
24	.08	.30	4.6	10	4.2	21	25	8.7	2.9	.48	-.19	-.09
25	.09	.31	4.3	9.7	4.1	35	24	8.1	2.7	.42	-.20	-.09
26	.09	.30	11	9.7	4.2	30	22	7.9	2.6	.40	-.19	-.09
27	.09	.30	8.4	8.9	27	28	21	7.7	2.5	.38	-.19	-.09
28	.09	.32	8.7	8.5	65	30	19	7.5	2.3	.36	-.18	-.10
29	.09	.38	8.3	8.3	-----	31	18	7.1	2.3	.37	-.16	-.10
30	.10	.37	7.5	8.1	-----	29	17	6.8	2.2	.40	-.17	-.10
31	.10	-----	123	7.9	-----	31	-----	6.5	-----	.41	-.17	-----
TOTAL	2.42	6.49	263.52	543.5	233.9	857	1,646	317.6	122.8	34.88	9.35	3.60
MEAN	.078	.22	8.50	17.5	8.35	27.6	54.9	10.2	4.09	1.13	.30	.12
MAX	.10	.38	123	76	65	35	184	16	6.1	2.1	.49	.18
MIN	.05	.10	.57	7.9	4.1	21	17	6.5	2.2	.36	-.16	-.09
AC-FT	4.8	13	523	1,080	464	1,700	3,260	630	244	69	19	7.1
CAL YEAR 2005	TOTAL	4,411.29	MEAN	12.1	MAX	123	MIN	.05	AC-FT	8,750		
WTR YEAR 2006	TOTAL	4,041.06	MEAN	11.1	MAX	184	MIN	.05	AC-FT	8,020		

FIGURE D-14

PINE CREEK - WY 2007



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TABLE D-14
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
PINE CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2006 TO SEP 2007

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.11	.16	.64	2.0	1.4	10	2.0	1.2	.47	.09	0	0
2	.11	.16	.65	1.9	1.4	8.1	2.0	1.3	.42	.08	0	0
3	.10	.17	.63	1.8	1.4	7.0	1.9	1.3	.41	.08	0	0
4	.10	.17	.62	1.9	1.3	6.3	1.8	1.4	.37	.08	0	0
5	.11	.16	.61	2.0	1.3	5.7	1.7	1.4	.35	.09	0	0
6	.12	.15	.60	1.8	1.3	5.3	1.7	1.3	.36	.09	0	0
7	.11	.15	.58	1.7	1.3	5.0	1.6	1.2	.39	.07	0	0
8	.11	.16	.60	1.6	1.4	4.7	1.5	1.0	.37	.06	0	0
9	.11	.16	1.8	1.6	1.5	4.5	1.5	1.0	.34	.08	0	0
10	.10	.17	4.5	1.6	2.2	4.2	1.4	.97	.31	.07	0	0
11	.12	.20	2.6	1.7	7.8	4.0	1.4	.98	.30	.07	0	0
12	.12	.22	1.9	1.6	4.4	3.7	1.5	.92	.27	.07	0	0
13	.13	.25	1.8	1.5	3.9	3.6	1.4	.92	.24	.08	0	0
14	.15	.35	1.7	1.4	3.4	3.4	1.6	.89	.23	.05	0	0
15	.15	.33	1.6	1.5	3.2	3.3	1.7	.88	.22	.03	0	0
16	.17	.48	1.5	1.5	3.0	3.2	1.5	.85	.20	.02	0	0
17	.18	.57	1.7	1.7	2.8	3.0	1.5	.80	.17	.01	0	0
18	.18	.55	1.6	1.6	2.7	3.0	1.6	.77	.14	.01	0	0
19	.19	.58	1.5	1.5	2.6	2.9	1.6	.75	.14	.01	0	0
20	.19	.56	1.4	1.5	2.5	2.8	1.9	.72	.14	.01	0	0
21	.19	.54	1.4	1.4	2.5	2.8	1.7	.67	.13	.01	0	0
22	.20	.53	2.4	1.4	3.6	2.6	2.0	.65	.12	0	0	0
23	.19	.54	1.9	1.4	3.8	2.5	1.8	.60	.11	0	0	0
24	.20	.57	1.8	1.3	3.5	2.4	1.5	.55	.11	0	0	0
25	.20	.58	1.7	1.3	4.5	2.4	1.4	.53	.10	0	0	0
26	.19	.58	1.6	1.3	7.1	2.4	1.4	.51	.10	0	0	0
27	.18	.61	3.1	1.4	19	2.9	1.4	.51	.11	0	0	0
28	.16	.62	2.7	1.5	13	2.6	1.3	.51	.10	0	0	0
29	.17	.65	2.4	1.5	-----	2.4	1.3	.48	.09	0	0	0
30	.17	.65	2.2	1.4	-----	2.3	1.3	.46	.09	0	0	0
31	.17	-----	2.1	1.4	-----	2.1	-----	.47	-----	0	0	0
TOTAL	4.68	11.57	51.83	48.7	107.8	121.1	47.9	26.49	6.90	1.16	0	0
MEAN	.15	.39	1.67	1.57	3.85	3.91	1.60	.85	.23	.037	0	0
MAX	.20	.65	4.5	2.0	19	10	2.0	1.4	.47	.09	0	0
MIN	.10	.15	.58	1.3	1.3	2.1	1.3	.46	.09	0	0	0
AC-FT	9.3	23	103	97	214	240	95	53	14	2.3	0	0
CAL YEAR 2006	TOTAL	3,836.71	MEAN	10.5	MAX	184	MIN	.09	AC-FT	7,610		
WTR YEAR 2007	TOTAL	428.13	MEAN	1.17	MAX	19	MIN	0	AC-FT	849		

FIGURE D-15

PINE CREEK - WY 2008

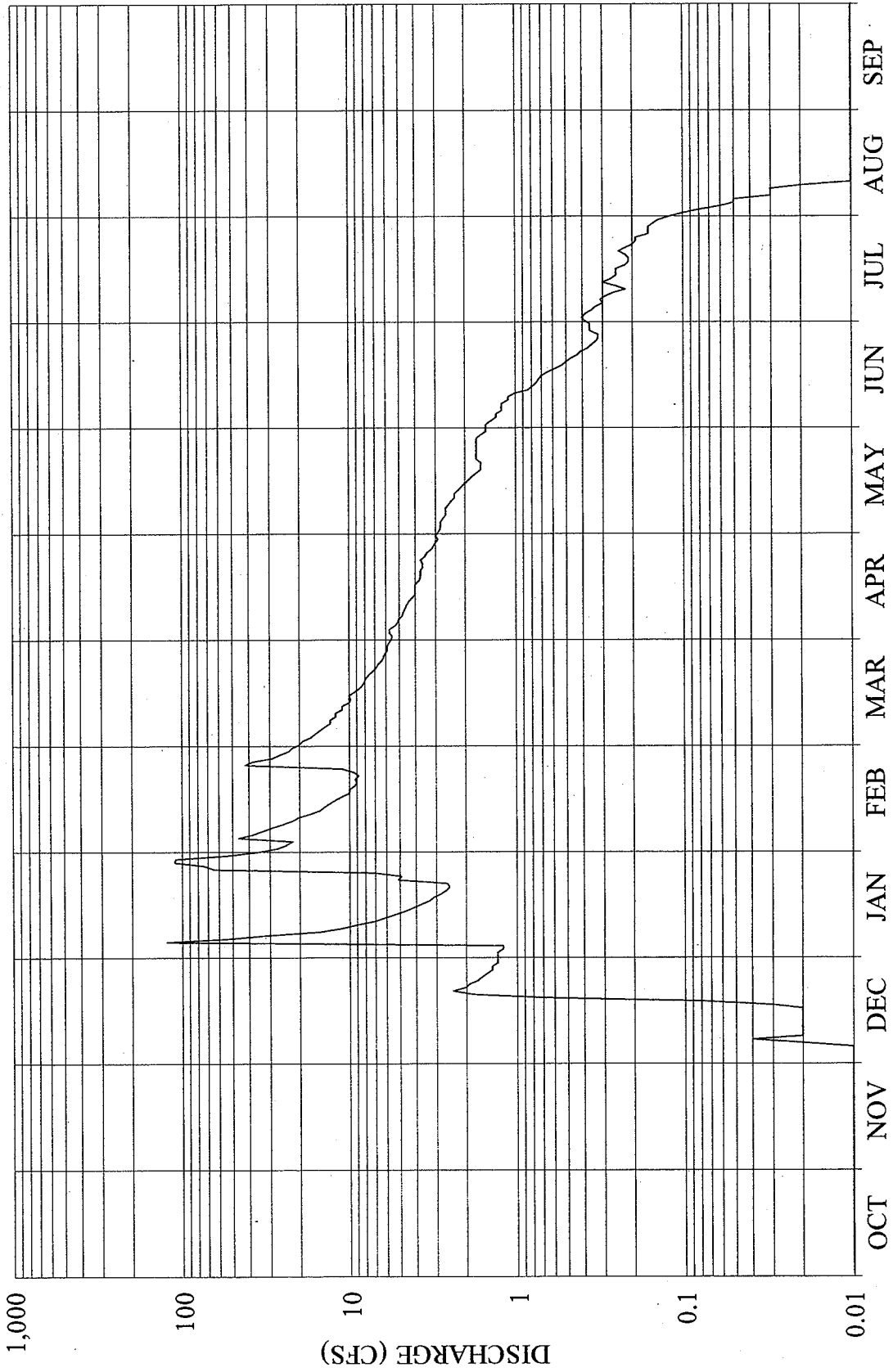


TABLE D-15

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
PINE CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2007 TO SEP 2008

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	.01	1.3	24	20	5.5	2.9	1.5	.39	-.10	0
2	0	0	.01	1.2	22	19	5.7	2.8	1.4	.40	-.08	0
3	0	0	.01	1.2	46	17	5.7	2.8	1.3	.38	-.06	0
4	0	0	.01	124	38	16	5.3	2.8	1.3	.35	.05	0
5	0	0	.01	52	33	15	5.1	2.7	1.2	.33	-.05	0
6	0	0	.02	30	29	14	5.0	2.6	1.2	.30	-.03	0
7	0	0	.04	15	25	13	4.8	2.6	1.2	.31	-.03	0
8	0	0	.02	11	22	13	4.7	2.6	1.1	.29	-.03	0
9	0	0	.02	9.0	20	12	4.6	2.5	1.1	.26	-.02	0
10	0	0	.02	7.1	17	12	4.5	2.4	1.0	.22	-.01	0
11	0	0	.02	6.1	15	11	4.4	2.3	.84	.25	0	0
12	0	0	.02	5.3	14	11	4.2	2.3	.79	.30	.01	0
13	0	0	.02	4.6	13	10	4.0	2.2	.75	.27	0	0
14	0	0	.02	4.1	12	9.8	4.0	2.1	.73	.25	0	0
15	0	0	.02	3.7	11	10	4.0	2.0	.70	.25	0	0
16	0	0	.02	3.3	10	9.3	4.0	1.9	.65	.25	0	0
17	0	0	.03	3.1	9.9	8.7	3.8	1.8	.59	.22	0	0
18	0	0	.08	2.8	9.3	8.3	3.7	1.7	.53	.21	0	0
19	0	0	.66	2.6	9.0	8.1	3.7	1.6	.50	.21	0	0
20	0	0	1.8	2.5	9.2	7.9	3.7	1.6	.47	.22	0	0
21	0	0	2.4	2.6	8.8	7.6	3.6	1.6	.43	.24	0	0
22	0	.01	2.0	5.1	9.4	7.2	3.6	1.7	.41	.22	0	0
23	0	.01	1.9	4.9	11	6.9	3.7	1.7	.37	.20	0	0
24	0	.01	1.7	7.1	42	6.7	3.5	1.7	.35	.19	0	0
25	0	.01	1.6	64	38	6.4	3.4	1.7	.33	.19	0	0
26	0	.01	1.5	74	29	6.2	3.2	1.7	.32	.16	0	0
27	0	.01	1.4	111	26	6.1	3.1	1.7	.32	.16	0	0
28	0	.01	1.4	109	23	5.9	3.0	1.7	.36	.16	0	0
29	0	.01	1.3	54	22	5.9	2.9	1.6	.36	.15	0	0
30	0	.01	1.3	35	-----	5.8	3.0	1.5	.36	.14	0	0
31	0	-----	1.3	27	-----	5.6	-----	1.5	-----	.12	0	-----
TOTAL	0	0.09	20.66	783.6	597.6	315.4	123.4	64.3	22.46	7.59	0.47	0
MEAN	0	.003	.67	25.3	20.6	10.2	4.11	2.07	.75	.24	.015	0
MAX	0	.01	2.4	124	46	20	5.7	2.9	1.5	.40	-.10	0
MIN	0	0	.01	1.2	8.8	5.6	2.9	1.5	.32	.12	0	0
AC-FT	0	.2	41	1,550	1,190	626	245	128	45	15	.9	0
CAL YEAR 2007	TOTAL	380.80	MEAN	1.04	MAX	19	MIN	0	AC-FT	755		
WTR YEAR 2008	TOTAL	1,935.57	MEAN	5.29	MAX	124	MIN	0	AC-FT	3,840		

FIGURE D-16

SAN CLEMENTE CREEK - WY 2004

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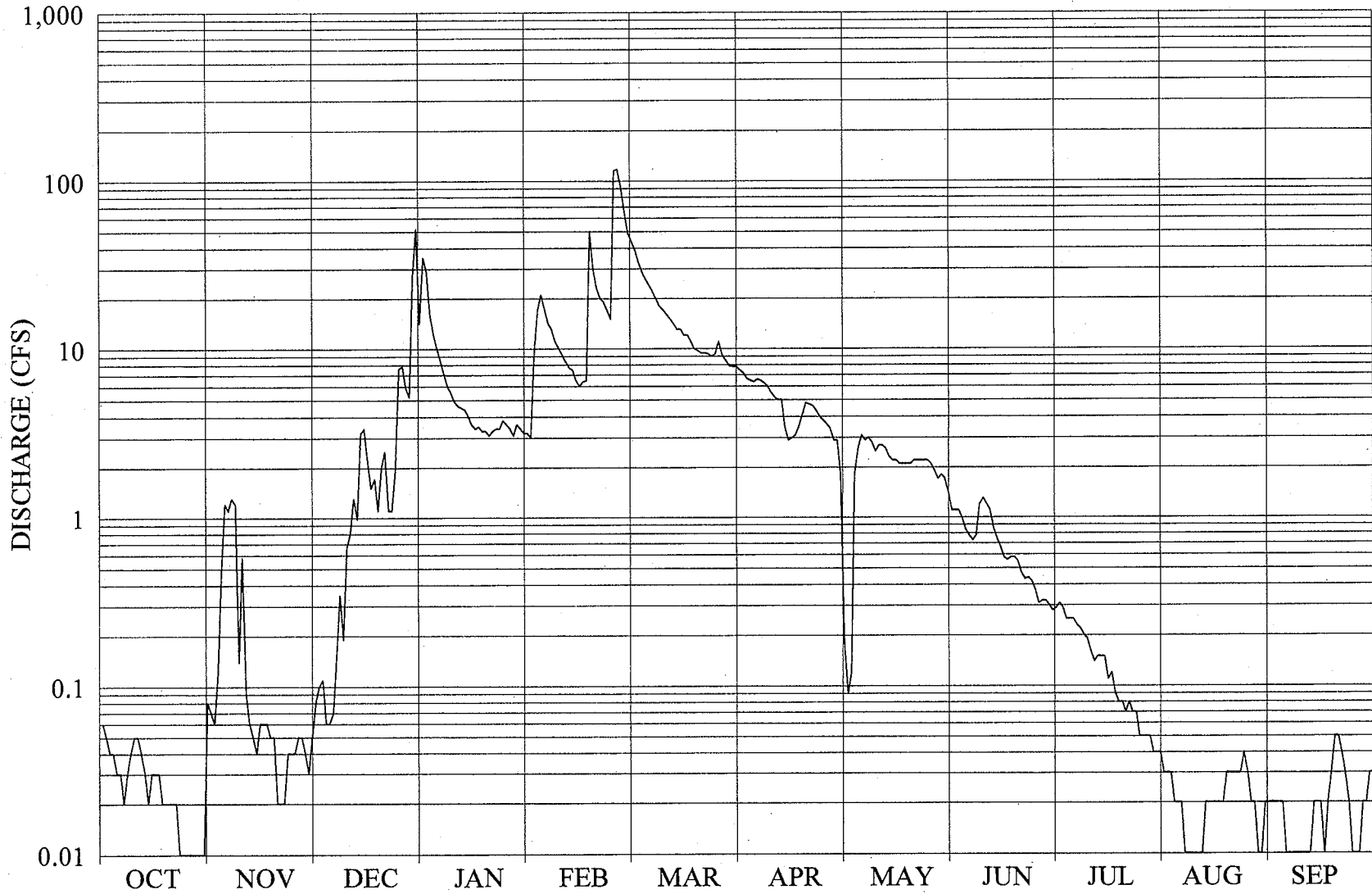


TABLE D-16

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
SAN CLEMENTE CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2003 TO SEP 2004

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.06	.07	.08	35	3.0	44	7.5	.18	1.1	.29	.03	.02
2	.05	.06	.10	29	9.6	39	7.2	.09	1.1	.31	.03	.02
3	.04	.12	.11	16	17	33	6.7	.12	1.1	.29	.03	.02
4	.04	.48	.06	12	21	29	6.5	1.8	.98	.25	.02	.02
5	.03	1.2	.06	10	17	26	6.4	2.6	.84	.25	.02	.01
6	.03	1.1	.07	8.5	14	24	6.6	3.1	.77	.25	.02	.01
7	.02	1.3	.15	7.1	13	22	6.5	2.9	.73	.23	.01	0
8	.03	1.2	.35	6.0	11	20	6.3	3.0	.78	.22	.01	0
9	.04	.14	.19	5.5	10	18	6.0	2.8	1.2	.20	.01	0
10	.05	.58	.67	4.9	9.2	17	5.5	2.5	1.3	.19	.01	0
11	.05	.09	.80	4.6	8.4	16	5.2	2.7	1.2	.16	.01	.01
12	.04	.06	1.3	4.5	7.7	15	5.0	2.7	1.1	.14	.01	.01
13	.03	.05	.98	4.4	7.5	14	5.0	2.6	.87	.15	.02	.02
14	.02	.04	3.2	4.0	6.5	13	3.5	2.3	.75	.15	.02	.02
15	.03	.06	3.4	3.6	6.0	13	2.9	2.2	.67	.15	.02	.02
16	.03	.06	2.2	3.4	6.4	12	3.0	2.2	.58	.11	.02	.01
17	.03	.06	1.5	3.5	6.5	12	3.1	2.1	.56	.12	.02	.02
18	.02	.05	1.7	3.3	50	11	3.5	2.1	.58	.09	.02	.03
19	.02	.05	1.1	3.3	30	10	4.1	2.1	.58	.08	.03	.05
20	.02	.02	2.0	3.1	23	9.7	4.8	2.1	.55	.08	.03	.05
21	.02	.02	2.5	3.3	20	9.4	4.7	2.2	.47	.07	.03	.04
22	.02	.02	1.1	3.4	19	9.4	4.6	2.2	.43	.08	.03	.03
23	.01	.04	1.1	3.4	17	9.3	4.3	2.2	.44	.07	.03	.02
24	.01	.04	1.9	3.8	15	9.0	4.0	2.2	.42	.07	.04	.01
25	.01	.04	7.6	3.6	115	9.3	3.8	2.2	.37	.05	.03	.01
26	.01	.05	7.9	3.4	117	11	3.6	2.1	.31	.05	.02	.01
27	.01	.05	5.9	3.1	91	9.1	3.4	1.9	.32	.05	.02	.02
28	0	.04	5.2	3.6	65	8.5	2.9	1.7	.32	.05	.01	.02
29	.01	.03	27	3.4	49	7.9	2.9	1.8	.30	.04	.01	.03
30	.01	.05	52	3.2	-----	7.8	1.8	1.7	.28	.04	.02	.03
31	.08	-----	14	3.2	-----	7.8	-----	1.4	-----	.04	.02	-----
TOTAL	0.87	7.17	146.22	209.1	784.8	496.2	141.3	63.79	21.00	4.32	0.65	0.56
MEAN	.028	.24	4.72	6.75	27.1	16.0	4.71	2.06	.70	.14	.021	.019
MAX	.08	1.3	52	35	117	44	7.5	3.1	1.3	.31	.04	.05
MIN	0	.02	.06	3.1	3.0	7.8	1.8	.09	.28	.04	.01	0
AC-FT	1.7	14	290	415	1,560	984	280	127	42	8.6	1.3	1.1
CAL YEAR 2003	TOTAL	2,201.98	MEAN	6.03	MAX	52	MIN	0	AC-FT	4,370		
WTR YEAR 2004	TOTAL	1,875.98	MEAN	5.13	MAX	117	MIN	0	AC-FT	3,720		

FIGURE D-17

SAN CLEMENTE CREEK - WY 2005

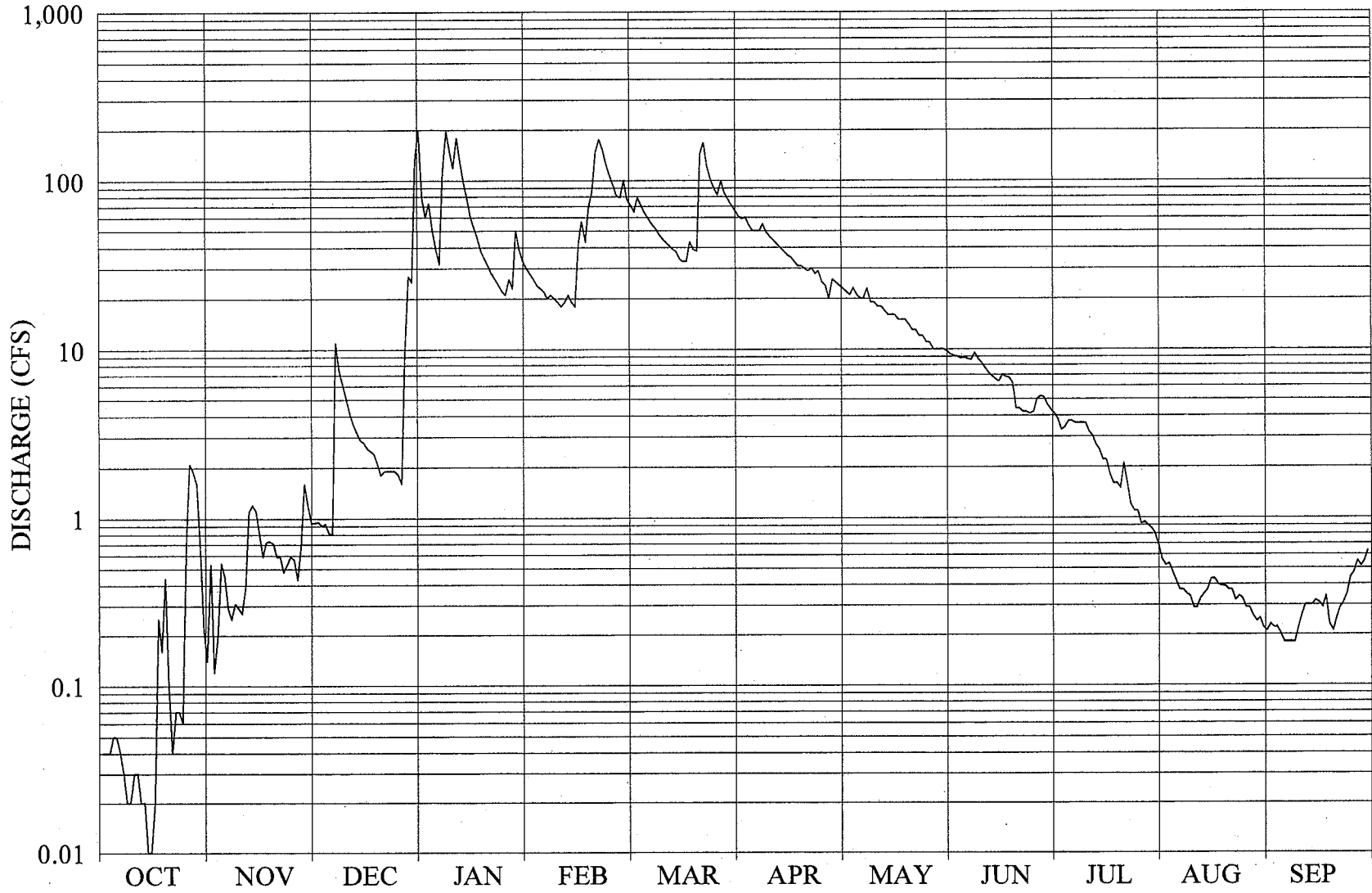


TABLE D-17

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
SAN CLEMENTE CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2004 TO SEP 2005

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.04	.53	.94	78	28	77	66	24	9.7	4.3	.68	.21
2	.04	.12	.95	60	26	71	61	23	9.3	4.1	.56	.23
3	.04	.19	.90	73	24	65	59	22	9.1	3.8	.52	.22
4	.05	.54	.93	50	23	79	60	21	9.0	3.3	.53	.22
5	.05	.45	.82	39	22	71	54	23	8.8	3.4	.47	.20
6	.04	.29	.80	32	20	64	50	21	8.9	3.7	.42	.18
7	.03	.25	11	112	21	59	50	20	8.7	3.7	.37	.18
8	.02	.31	7.6	196	20	55	50	20	8.6	3.6	.37	.18
9	.02	.29	6.2	150	19	52	55	23	9.5	3.6	.35	.18
10	.03	.27	5.1	119	18	48	49	19	8.7	3.6	.34	.22
11	.03	.39	4.2	180	19	45	46	19	8.2	3.6	.29	.26
12	.02	1.1	3.6	129	21	43	44	18	7.7	3.2	.29	.30
13	.02	1.2	3.2	98	19	41	42	18	7.2	3.0	.33	.30
14	.01	1.1	2.9	77	18	39	40	17	6.9	2.7	.35	.30
15	.01	.81	2.8	61	41	38	38	16	6.6	2.5	.37	.32
16	.02	.59	2.6	52	57	34	36	16	6.4	2.2	.43	.31
17	.25	.72	2.5	45	43	33	35	16	7.0	2.2	.43	.29
18	.16	.73	2.4	38	69	33	33	15	6.8	1.8	.40	.34
19	.44	.71	2.1	34	86	43	31	15	6.7	1.6	.39	.23
20	.10	.59	1.8	31	147	39	31	15	6.2	1.6	.39	.21
21	.04	.59	1.9	28	175	38	30	14	4.4	1.5	.37	.25
22	.07	.48	1.9	26	153	144	29	13	4.4	2.1	.37	.29
23	.07	.53	1.9	24	126	168	30	13	4.2	1.6	.32	.31
24	.06	.59	1.9	22	107	122	28	12	4.2	1.2	.34	.35
25	.69	.57	1.8	21	94	101	29	12	4.1	1.1	.33	.44
26	2.1	.43	1.6	26	81	90	25	11	4.2	1.1	.29	.47
27	1.9	.68	9.4	23	79	82	24	11	5.0	.92	.29	.55
28	1.6	1.6	27	50	100	99	20	10	5.2	.94	.26	.51
29	.67	1.2	25	39	-----	84	26	10	5.1	.90	.24	.55
30	.22	.94	130	33	-----	77	25	10	4.6	.86	.25	.63
31	.14	-----	200	30	-----	71	-----	10	-----	.80	.22	-----
TOTAL	8.98	18.79	465.74	1,976	1,656	2,105	1,196	507	205.4	74.52	11.56	9.23
MEAN	.29	.63	15.0	63.7	59.1	67.9	39.9	16.4	6.85	2.40	.37	.31
MAX	2.1	1.6	200	196	175	168	66	24	9.7	4.3	.68	.63
MIN	.01	.12	.80	21	18	33	20	10	4.1	.80	.22	.18
AC-FT	18	37	924	3,920	3,280	4,180	2,370	1,010	407	148	23	18
CAL YEAR 2004	TOTAL	2,215.23	MEAN	6.05	MAX	200	MIN	0	AC-FT	4,390		
WTR YEAR 2005	TOTAL	8,234.22	MEAN	22.6	MAX	200	MIN	.01	AC-FT	16,330		

FIGURE D-18

SAN CLEMENTE CREEK - WY 2006

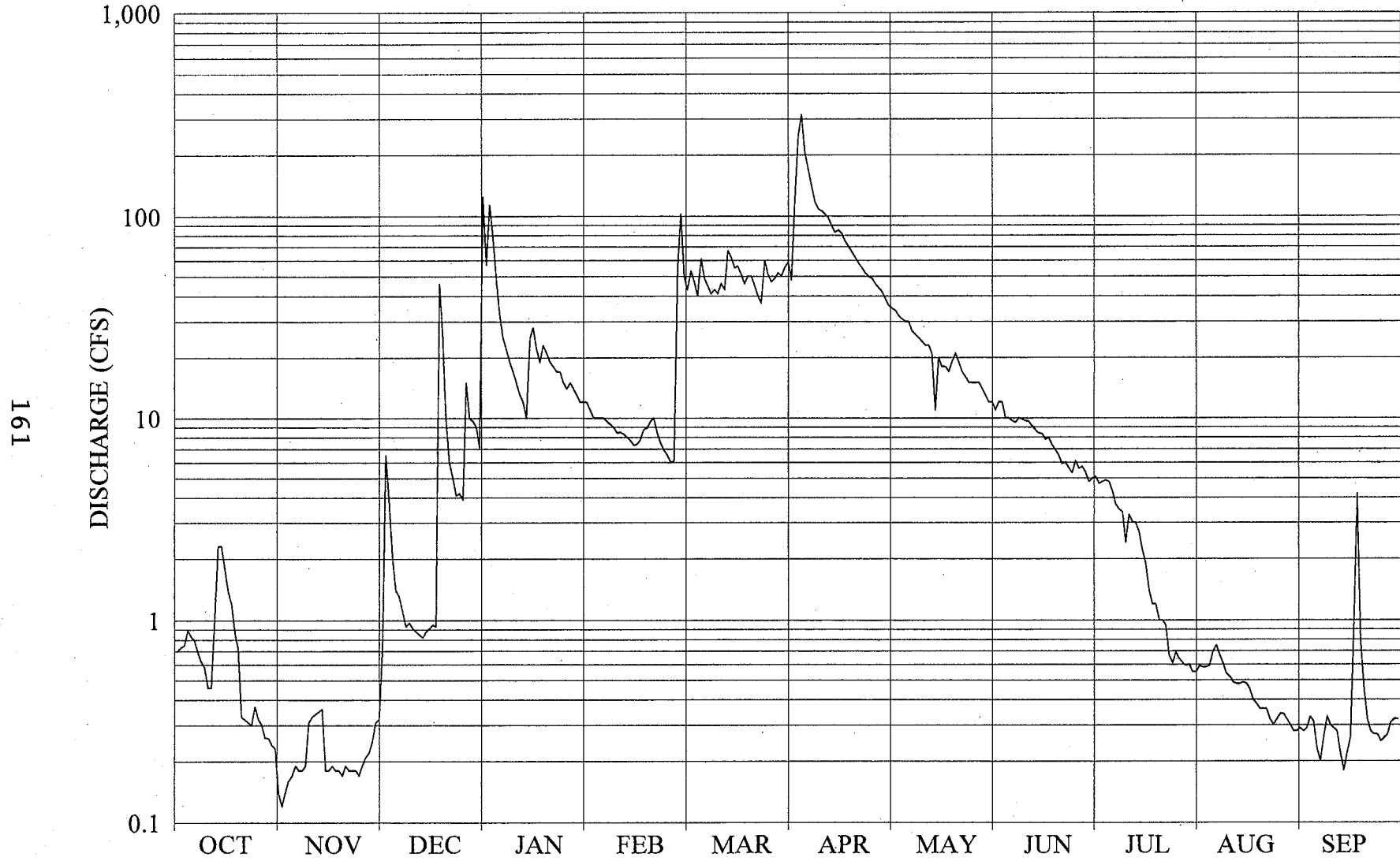


TABLE D-18

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
SAN CLEMENTE CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2005 TO SEP 2006

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.70	.12	.72	57	11	50	59	36	12	5.0	.55	.29
2	.73	.14	6.5	114	10	43	48	35	11	5.1	.59	.28
3	.75	.16	3.7	79	10	53	117	34	12	4.7	.58	.29
4	.89	.17	2.0	47	10	47	245	32	12	4.8	.58	.33
5	.83	.19	1.4	32	10	40	315	31	10	4.9	.59	.31
6	.79	.18	1.3	25	9.6	61	207	30	10	4.8	.69	.23
7	.69	.18	1.1	22	9.3	49	169	30	9.7	4.3	.75	.20
8	.62	.19	.93	19	9.0	45	141	27	9.5	3.7	.67	.26
9	.58	.31	.97	17	8.4	41	118	26	10	3.5	.61	.33
10	.46	.33	.91	15	8.5	43	109	25	9.9	3.4	.54	.30
11	.46	.34	.88	13	8.3	41	106	24	9.7	2.4	.52	.29
12	1.0	.35	.85	12	8.0	46	102	23	9.6	3.3	.49	.28
13	2.3	.36	.82	10	7.7	43	98	23	9.1	3.0	.48	.22
14	2.3	.18	.88	25	7.3	67	89	21	8.7	3.0	.48	.18
15	1.8	.18	.91	28	7.4	62	83	11	8.4	2.7	.49	.22
16	1.4	.19	.95	22	7.8	55	85	20	8.3	2.2	.48	.26
17	1.2	.18	.93	19	8.8	56	82	18	7.8	1.9	.45	1.0
18	.87	.18	46	23	8.9	51	75	18	8.0	1.4	.40	4.2
19	.72	.17	25	21	9.6	46	70	17	7.3	1.2	.38	.79
20	.33	.19	9.8	19	10	50	66	19	6.9	1.2	.36	.45
21	.32	.18	6.0	18	8.4	50	62	21	6.5	1.0	.36	.32
22	.31	.18	5.0	17	7.5	45e	58	19	5.9	1.0	.36	.28
23	.30	.18	4.1	17	6.9	40e	55	17	6.0	.94	.32	.27
24	.37	.17	4.2	15	6.5	37e	52	16	5.6	.67	.30	.27
25	.32	.19	3.9	14	6.0	60e	50	15	5.3	.61	.32	.25
26	.30	.21	15	15	6.1	51	49	15	6.1	.69	.34	.26
27	.26	.22	10	14	54	47	46	15	5.6	.64	.34	.27
28	.26	.25	9.6	13	103	49	44	15	5.7	.61	.32	.31
29	.24	.31	9.0	12	-----	52	42	14	5.3	.59	.30	.32
30	.23	.32	7.1	12	-----	50	39	13	4.8	.60	.28	.32
31	.14	-----	125	12	-----	55	-----	12	-----	.55	.28	-----
TOTAL	22.47	6.50	305.45	778	378.0	1,525	2,881	672	246.7	74.40	14.20	13.58
MEAN	.72	.22	9.85	25.1	13.5	49.2	96.0	21.7	8.22	2.40	.46	.45
MAX	2.3	.36	125	114	103	67	315	36	12	5.1	.75	4.2
MIN	.14	.12	.72	10	6.0	37	39	11	4.8	.55	.28	.18
AC-FT	45	13	606	1,540	750	3,020	5,710	1,330	489	148	28	27
CAL YEAR 2005 TOTAL		8,075.13	MEAN	22.1	MAX	196	MIN	.12	AC-FT	16,020		
WTR YEAR 2006 TOTAL		6,917.30	MEAN	19.0	MAX	315	MIN	.12	AC-FT	13,720		

FIGURE D-19

SAN CLEMENTE CREEK - WY 2007

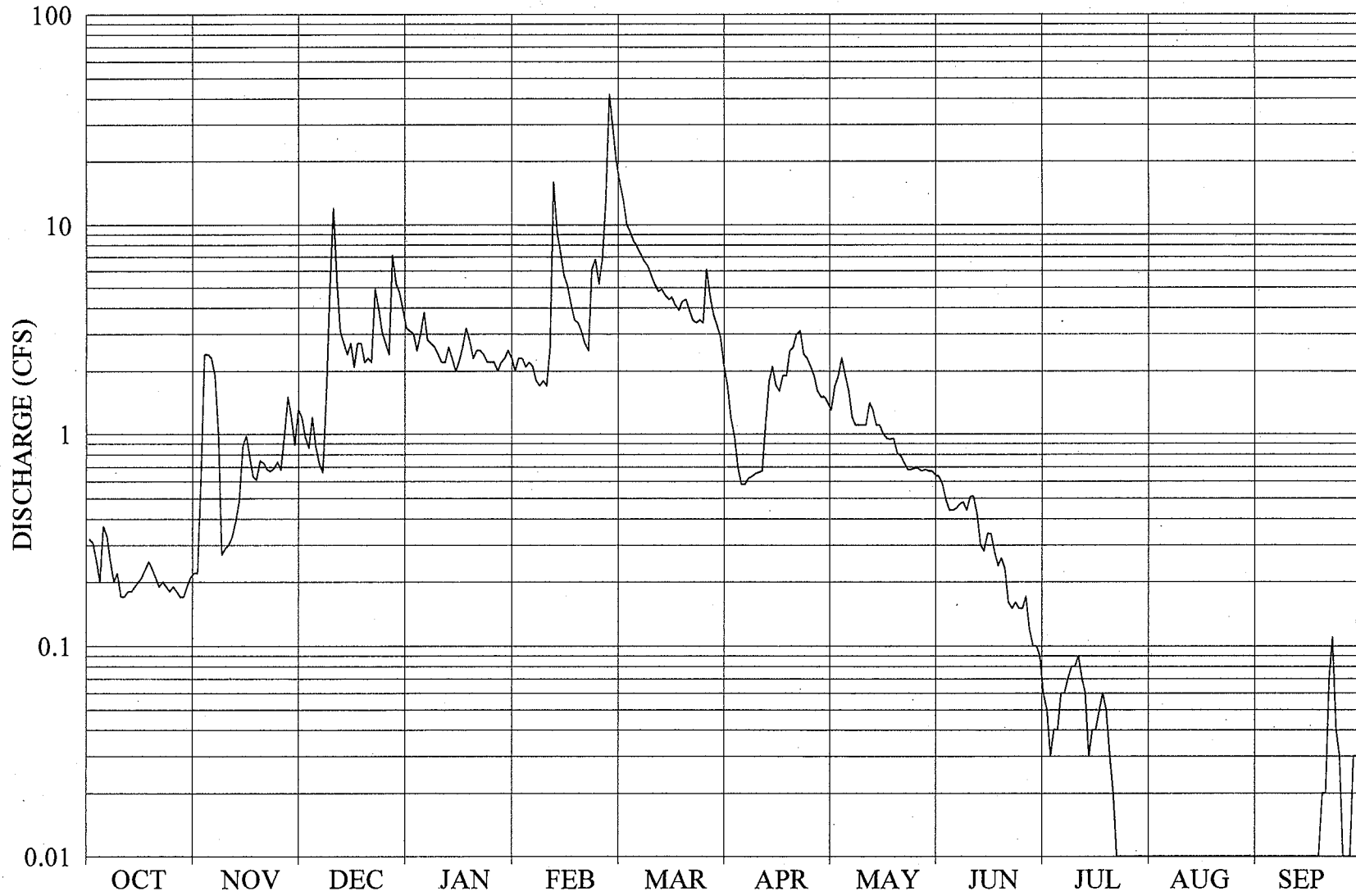


TABLE D-19

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
SAN CLEMENTE CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2006 TO SEP 2007

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.32	.22	1.2	3.1	2.3	20	2.1	1.4	.64	.09	.01	0 e
2	.31	.64	.97	3.0	2.3	16	1.7	1.3	.63	.06	.01	0 e
3	.25	2.4	.86	2.5	2.1	13	1.2	1.7	.58	.05	.01	0 e
4	.20	2.4	1.2	3.0	2.2	10	.97	1.9	.49	.03	.01e	0 e
5	.37	2.3	.87	3.8	2.1	9.2	.70	2.3	.44	.04	.01e	0 e
6	.33	1.9	.72	2.8	1.8	8.3	.58	1.9	.44	.04	.01e	0 e
7	.25	1.0	.66	2.7	1.7	7.8	.58	1.6	.45	.06	.01e	0 e
8	.20	.27	1.5	2.6	1.8	7.2	.62	1.2	.47	.06	.01e	0 e
9	.22	.29	4.8	2.4	1.7	6.7	.63	1.1	.48	.07	.01e	0 e
10	.17	.30	12	2.2	2.6	6.3	.65	1.1	.44	.08	.01e	0 e
11	.17	.33	5.4	2.2	16	5.7	.66	1.1	.51	.08	.01e	0 e
12	.18	.39	3.1	2.6	9.2	5.2	.67	1.1	.51	.09	.01e	.01e
13	.18	.48	2.7	2.3	7.3	4.8	1.1	1.4	.42	.07	.01e	.01e
14	.19	.88	2.4	2.0	5.7	4.9	1.8	1.3	.30	.06	.01e	.01e
15	.20	.98	2.7	2.2	5.1	4.6	2.1	1.1	.28	.03	.01e	.01e
16	.21	.78	2.1	2.6	4.2	4.4	1.7	1.1	.34	.04	.01e	.01e
17	.23	.63	2.7	3.2	3.5	4.5	1.6	1.0	.34	.04	.01e	.01
18	.25	.61	2.7	2.8	3.4	4.1	1.9	.95	.28	.05	.01e	.01
19	.23	.75	2.2	2.3	3.1	3.9	1.9	.94	.24	.06	.01e	.01
20	.21	.73	2.3	2.5	2.7	4.3	2.5	.95	.26	.05	.01e	.02
21	.19	.68	2.2	2.5	2.5	4.4	2.6	.81	.23	.03	.01e	.02
22	.20	.67	4.9	2.4	6.1	3.9	3.0	.79	.16	.02	.01e	.07
23	.19	.69	4.0	2.2	6.8	3.5	3.1	.73	.15	.01	.01e	.11
24	.18	.74	3.1	2.2	5.2	3.4	2.4	.68	.16	.01	.01e	.04
25	.19	.68	2.7	2.2	6.8	3.5	2.3	.68	.15	.01	.01e	.03
26	.18	1.0	2.4	2.0	13	3.4	2.1	.69	.15	.01	.01e	.01
27	.17	1.5	7.1	2.2	42	6.1	1.9	.69	.17	.01	.01e	.01
28	.17	1.2	5.2	2.3	29	4.5	1.6	.67	.12	.01	.01e	.01
29	.19	.89	4.7	2.5	-----	3.7	1.5	.68	.10	.01	.01e	.03
30	.21	1.3	3.9	2.3	-----	3.3	1.5	.67	.10	.01	0 e	.03
31	.22	-----	3.2	2.0	-----	2.9	-----	.67	-----	.01	0 e	-----
TOTAL	6.76	27.63	96.48	77.6	192.2	193.5	47.66	34.20	10.03	1.29	0.29	0.46
MEAN	.22	.92	3.11	2.50	6.86	6.24	1.59	1.10	.33	.042	.009	.015
MAX	.37	2.4	12	3.8	42	20	3.1	2.3	.64	.09	.01	.11
MIN	.17	.22	.66	2.0	1.7	2.9	.58	.67	.10	.01	0	0
AC-FT	.13	55	191	154	381	384	95	68	20	2.6	.6	.9
CAL YEAR 2006	TOTAL	6,713.75	MEAN	18.4	MAX	315	MIN	.17	AC-FT	13,320		
WTR YEAR 2007	TOTAL	688.10	MEAN	1.89	MAX	42	MIN	0	AC-FT	1,360		

FIGURE D-20

SAN CLEMENTE CREEK - WY 2008

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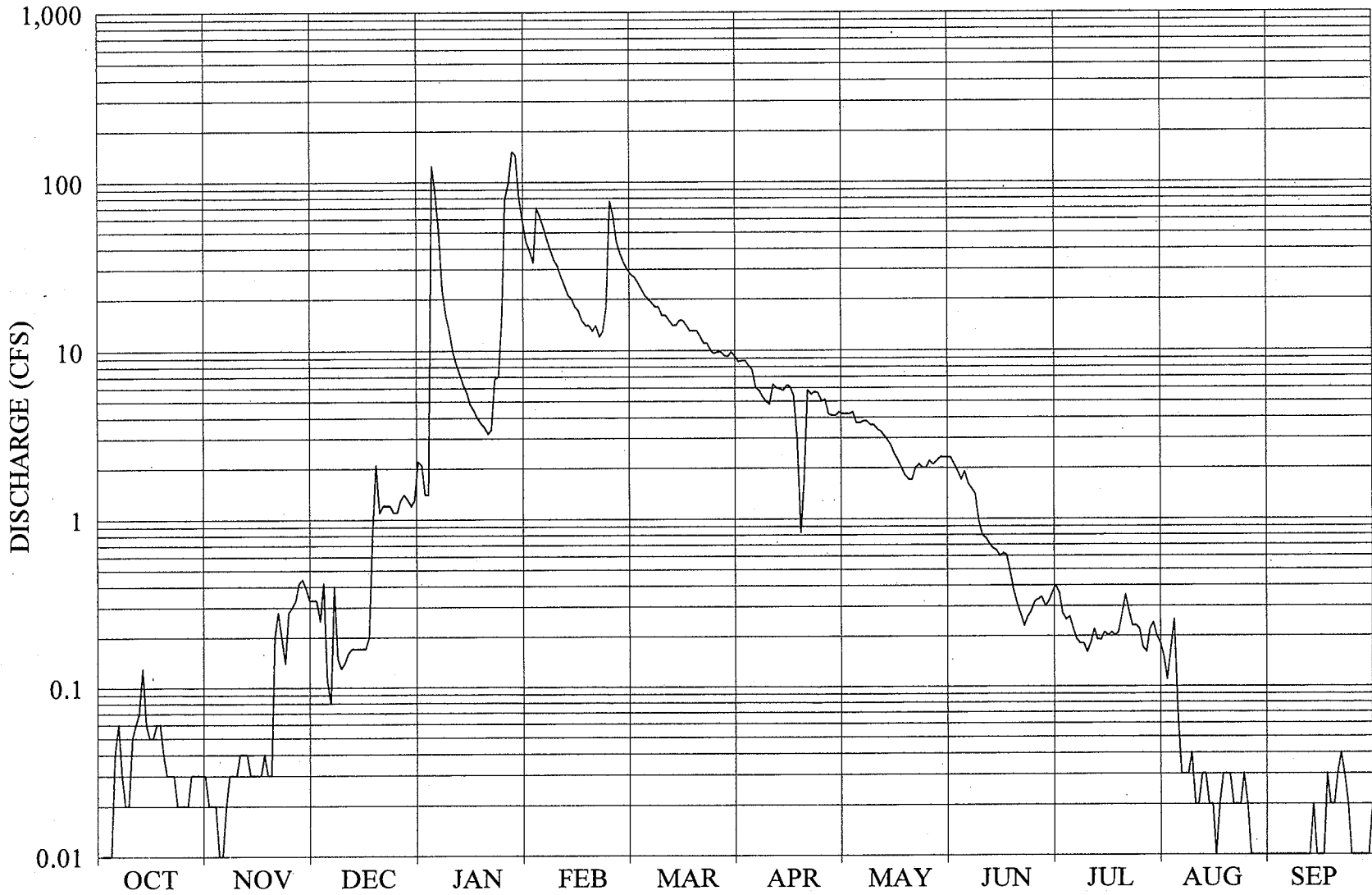


TABLE D-20

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
SAN CLEMENTE CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2007 TO SEP 2008

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	.02	.33	2.1	39	28	8.6	4.2	2.3	.40	.15	0
2	.01	.02	.33	1.4	33	27	8.7	4.2	2.1	.36	.11	0
3	.01	.02	.25	1.4	70	25	8.7	4.2	1.9	.27	.17	0
4	.01	.01	.42	125	62	23	8.1	4.3	1.7	.25	.25	0
5	.04	.01	.11	87	53	21	7.7	3.7	1.9	.26	.07	0
6	.06	.02	.08	52	45	20	6.0	3.7	1.6	.22	.03	0
7	.03	.03	.40	23	39	19	5.8	3.8	1.5	.19	.03	0
8	.02	.03	.15	16	34	18	5.3	3.8	1.4	.18	.03	0
9	.02	.03	.13	13	31	18	5.0	3.6	.98	.18	.04	.01
10	.05	.04	.14	9.9	27	16	4.8	3.6	.80	.16	.02	.01
11	.06	.04	.16	8.3	24	16	6.3	3.4	.77	.18	.02	.01
12	.07	.04	.17	7.2	21	15	6.0	3.3	.71	.22	.03	.01
13	.13	.03	.17	6.3	20	14	5.9	3.1	.67	.19	.03	.02
14	.06	.03	.17	5.6	18	14	5.8	2.9	.65	.19	.02	.01
15	.05	.03	.17	4.8	17	15	6.2	2.7	.60	.21	.02	.01
16	.05	.03	.17	4.4	15	15	6.1	2.4	.62	.20	.01	.01
17	.06	.04	.20	4.0	14	14	5.4	2.2	.61	.21	.02	.03
18	.06	.03	.84	3.7	14	13	2.9	2.0	.48	.20	.03	.02
19	.04	.03	2.1	3.5	13	13	.83	1.8	.37	.21	.03	.02
20	.03	.20	1.1	3.2	14	13	1.7	1.7	.31	.27	.03	.03
21	.03	.28	1.2	3.4	12	12	5.8	1.7	.27	.35	.02	.04
22	.03	.20	1.2	6.8	13	11	5.5	2.0	.23	.28	.02	.03
23	.02	.14	1.2	7.0	18	11	5.7	2.1	.26	.23	.02	.02
24	.02	.28	1.1	15	77	10	5.6	2.0	.28	.23	.03	.01
25	.02	.30	1.1	79	63	9.6	5.0	2.0	.32	.22	.02	.01
26	.02	.33	1.3	99	44	9.8	5.1	2.2	.33	.17	.01	.01
27	.03	.42	1.4	152	37	9.8	4.2	2.1	.34	.16	.01	.01
28	.03	.44	1.3	144	33	9.3	4.1	2.2	.30	.22	.01	.01
29	.03	.39	1.2	81	30	9.2	4.1	2.3	.32	.24	0	.01
30	.03	.33	1.3	58	-----	9.8	4.3	2.3	.36	.20	0	.02
31	.03	-----	2.2	44	-----	9.2	-----	2.3	-----	.18	0	-----
TOTAL	1.16	3.84	22.09	1,071.0	930	467.7	165.23	87.8	24.98	7.03	1.28	0.36
MEAN	.037	.13	.71	34.5	32.1	15.1	5.51	2.83	.83	.23	.041	.012
MAX	.13	.44	2.2	152	77	28	8.7	4.3	2.3	.40	.25	.04
MIN	.01	.01	.08	1.4	12	9.2	.83	1.7	.23	.16	0	0
AC-FT	2.3	7.6	44	2,120	1,840	928	328	174	50	14	2.5	.7
CAL YEAR 2007	TOTAL	583.69	MEAN	1.60	MAX	42	MIN	0	AC-FT	1,160		
WTR YEAR 2008	TOTAL	2,782.47	MEAN	7.60	MAX	152	MIN	0	AC-FT	5,520		

FIGURE D-21

CARMEL RIVER AT SLEEPY HOLLOW WEIR - WY 2004

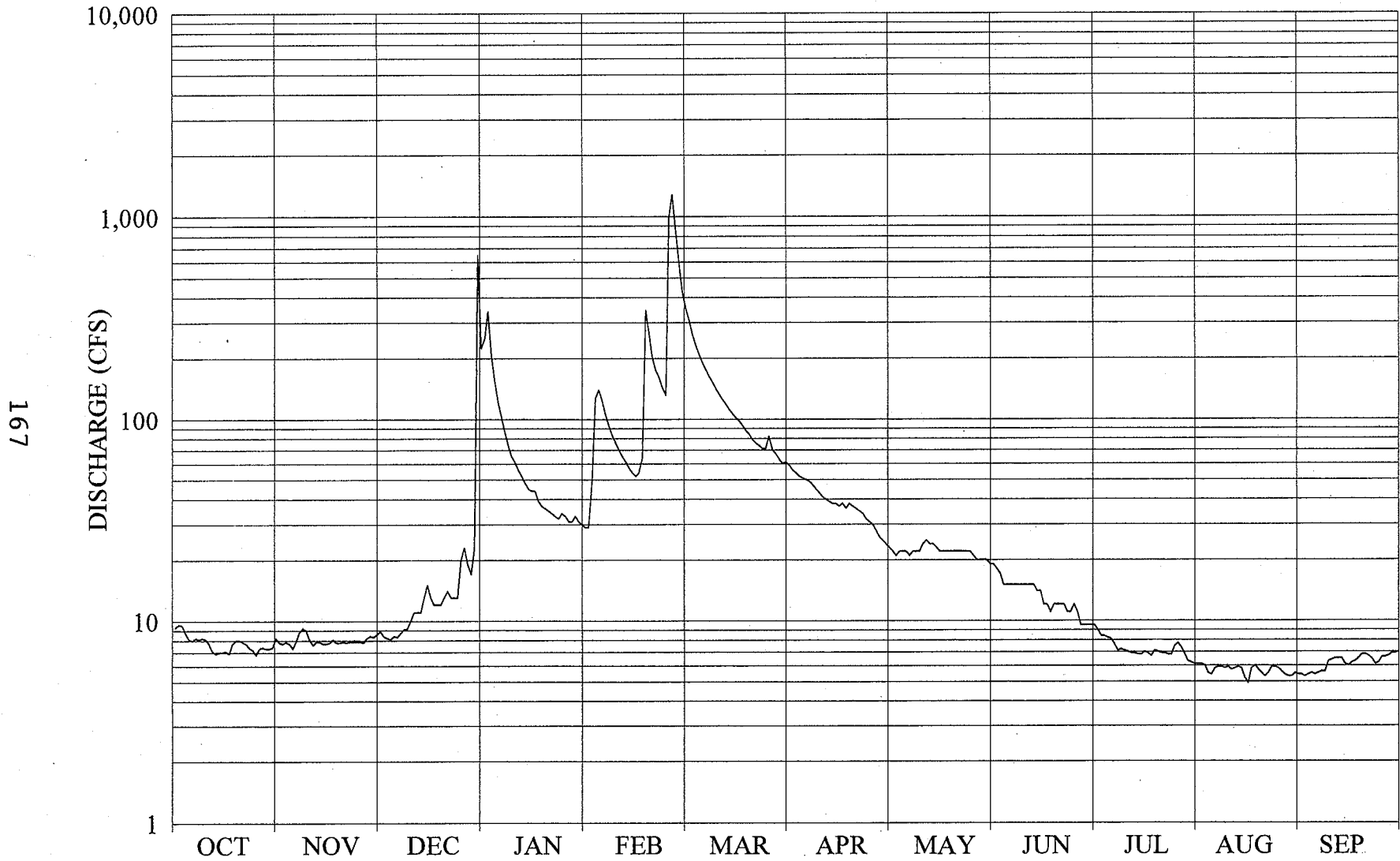


TABLE D-21

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
 CARMEL RIVER AT SLEEPY HOLLOW WEIR

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2003 TO SEP 2004

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.3	7.8	8.9	248	29	354	59	23	19	9.5	6.1	5.4
2	9.6	7.7	8.4	341	50	308	56	22	18	9.0	6.1	5.3
3	9.5	7.9	8.2	209	127	262	54	21	17	8.4	6.0	5.4
4	8.7	7.7	8.1	153	140	232	52	22	15	8.4	5.5	5.5
5	8.1	7.3	8.4	122	123	208	51	22	15	8.2	5.4	5.4
6	8.0	7.9	8.3	103	105	190	50	22	15	8.1	5.8	5.5
7	8.2	8.8	8.7	87	93	176	49	21	15	7.6	5.9	5.6
8	8.1	9.2	9.1	74	83	163	47	22	15	7.1	5.9	5.6
9	8.2	9.0	9.1	65	76	152	45	22	15	7.2	5.8	6.3
10	8.1	8.1	10	61	70	142	43	22	15	7.1	5.9	6.4
11	7.7	7.6	11	56	65	133	41	24	15	7.0	5.7	6.5
12	7.1	7.9	11	52	61	125	40	25	15	6.9	5.8	6.5
13	6.9	7.9	11	48	57	119	39	24	15	6.9	5.9	6.5
14	7.0	7.7	13	45	54	112	38	24	14	6.8	5.8	6.1
15	7.0	7.7	15	44	52	106	38	23	14	6.8	5.2	6.0
16	7.1	7.8	13	44	54	102	37	22	12	7.0	4.9	6.2
17	6.9	8.1	12	39	64	98	38	22	12	6.9	5.8	6.3
18	7.7	7.8	12	37	346	93	36	22	11	6.7	6.0	6.5
19	8.0	7.8	12	36	266	88	38	22	12	7.1	5.7	6.8
20	8.0	7.9	13	35	202	84	37	22	12	7.0	5.5	6.8
21	7.9	7.8	14	34	174	79	36	22	12	6.9	5.3	6.7
22	7.7	7.9	13	33	161	76	35	22	12	6.9	5.5	6.5
23	7.4	7.9	13	32	144	74	34	22	11	6.8	5.9	6.1
24	7.2	7.9	13	34	132	71	32	22	11	6.8	5.9	6.2
25	6.8	7.9	20	33	979e	71	31	22	12	7.5	5.8	6.6
26	7.3	7.8	23	31	1,280e	82	30	21	11	7.7	5.6	6.6
27	7.4	8.2	19	31	844e	70	28	20	9.5	7.3	5.4	6.7
28	7.3	8.4	17	33	587e	67	26	20	9.5	6.8	5.3	6.9
29	7.3	8.3	23	31	426	63	25	20	9.5	6.3	5.3	6.9
30	7.4	8.6	648 e	30	-----	60	24	20	9.5	6.2	5.5	7.0
31	8.2	-----	224	29	-----	61	-----	19	-----	6.1	5.4	-----
TOTAL	241.1	240.3	1,237.2	2,250	6,844	4,021	1,189	679	398.0	225.0	175.6	186.8
MEAN	7.78	8.01	39.9	72.6	236	130	39.6	21.9	13.3	7.26	5.66	6.23
MAX	9.6	9.2	648	341	1,280	354	59	25	19	9.5	6.1	7.0
MIN	6.8	7.3	8.1	29	29	60	24	19	9.5	6.1	4.9	5.3
AC-FT	478	477	2,450	4,460	13,580	7,980	2,360	1,350	789	446	348	371

CAL YEAR 2003	TOTAL	20,698.5	MEAN	56.7	MAX	648	MIN	6.8	AC-FT	41,060
WTR YEAR 2004	TOTAL	17,687.0	MEAN	48.3	MAX	1,280	MIN	4.9	AC-FT	35,080

Discharge values based on current meter measurements to approx. 500 cfs.
 Above 500 cfs, the station rating or stage/discharge relation has been developed based on correlation with San Clemente Dam Spillway discharge.

FIGURE D-22

CARMEL RIVER AT SLEEPY HOLLOW WEIR - WY 2005

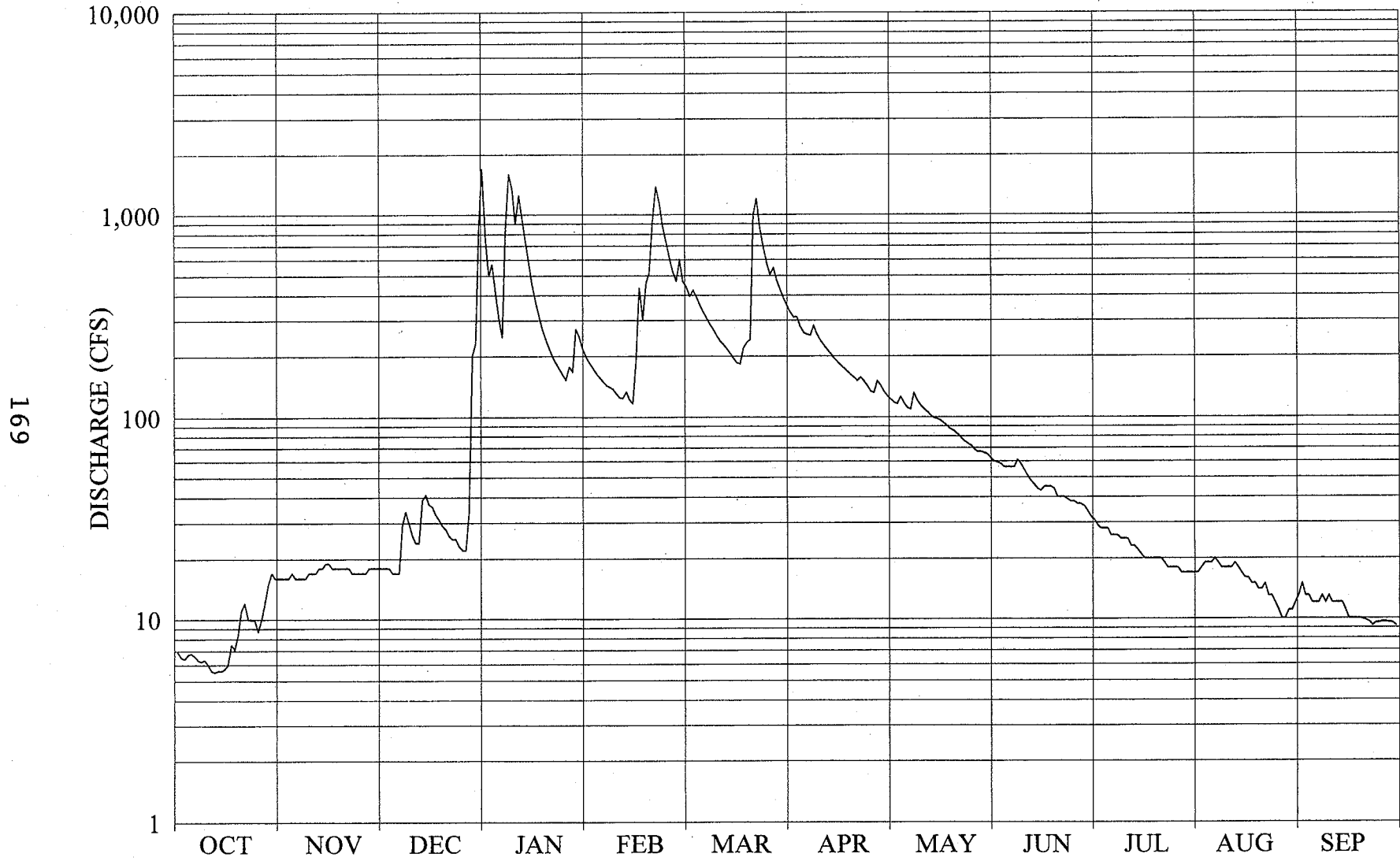


TABLE D-22

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
 CARMEL RIVER AT SLEEPY HOLLOW WEIR

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2004 TO SEP 2005

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.9	16	18	759e	186	465	355	127	62	32	17	13
2	6.5	16	18	497	175	439	329	123	60	31	17	15
3	6.4	16	18	569e	165	395	311	118	59	29	18	13
4	6.7	17	17	405	157	423	312	116	58	28	19	13
5	6.8	16	17	305	150	394	279	126	56	28	19	12
6	6.6	16	17	248	144	357	261	117	56	28	19	12
7	6.3	16	29	809e	141	330	255	111	56	26	20	12
8	6.2	16	34	1,590e	138	307	253	109	56	26	19	13
9	6.3	17	30	1,340e	131	287	283	132	61	26	18	12
10	6.0	17	26	903e	125	269	256	120	58	25	18	13
11	5.6	17	24	1,240e	124	252	238	114	54	25	18	12
12	5.5	18	24	952e	134	238	226	110	51	25	18	12
13	5.6	18	39	732e	122	227	215	106	48	23	19	12
14	5.6	19	41	567e	117	217	205	102	46	23	18	12
15	5.7	19	37	450	189	206	196	99	44	22	17	11
16	6.0	18	36	369	433	194	188	98	43	21	16	10
17	7.5	18	33	315	304	186	181	96	45	20	16	10
18	7.1	18	31	273	456	183	175	93	45	20	15	10
19	8.3	18	29	242	515e	218	168	90	45	20	15	10
20	11	18	28	219	918e	233	162	87	44	20	14	9.9
21	12	18	26	200	1,370e	241	157	85	40	20	14	9.8
22	10	17	25	186	1,150e	990e	151	82	40	20	15	9.6
23	9.9	17	25	173	882e	1,200e	157	79	40	19	13	9.2
24	9.9	17	23	162	729e	862e	150	76	39	18	13	9.5
25	8.7	17	22	152	611e	689e	143	74	38	18	12	9.5
26	10	17	22	177	522e	578e	134	72	38	18	11	9.6
27	12	18	34	167	470e	506e	132	69	37	18	10	9.6
28	15	18	201	272	594e	546e	150	67	37	17	10	9.5
29	17	18	230	249	-----	471	143	67	36	17	11	9.5
30	16	18	821e	217	-----	427	133	66	34	17	11	9.2
31	16	-----	1,690e	199	-----	387	-----	65	-----	17	12	-----
TOTAL	269.1	519	3,665	14,938	11,152	12,717	6,298	2,996	1,426	697	482	331.9
MEAN	8.68	17.3	118	482	398	410	210	96.6	47.5	22.5	15.5	11.1
MAX	17	19	1,690	1,590	1,370	1,200	355	132	62	32	20	15
MIN	5.5	16	17	152	117	183	132	65	34	17	10	9.2
AC-FT	534	1,030	7,270	29,630	22,120	25,220	12,490	5,940	2,830	1,380	956	658

CAL YEAR 2004	TOTAL	20,421.50	MEAN	55.8	MAX	1,690	MIN	4.9	AC-FT	40,510
WTR YEAR 2005	TOTAL	55,491.00	MEAN	152	MAX	1,690	MIN	5.5	AC-FT	110,100

Discharge values based on current meter measurements to approx. 500 cfs.
 Above 500 cfs, the station rating or stage/discharge relation has been
 developed based on correlation with San Clemente Dam Spillway discharge.

FIGURE D-23

CARMEL RIVER AT SLEEPY HOLLOW WEIR - WY 2006

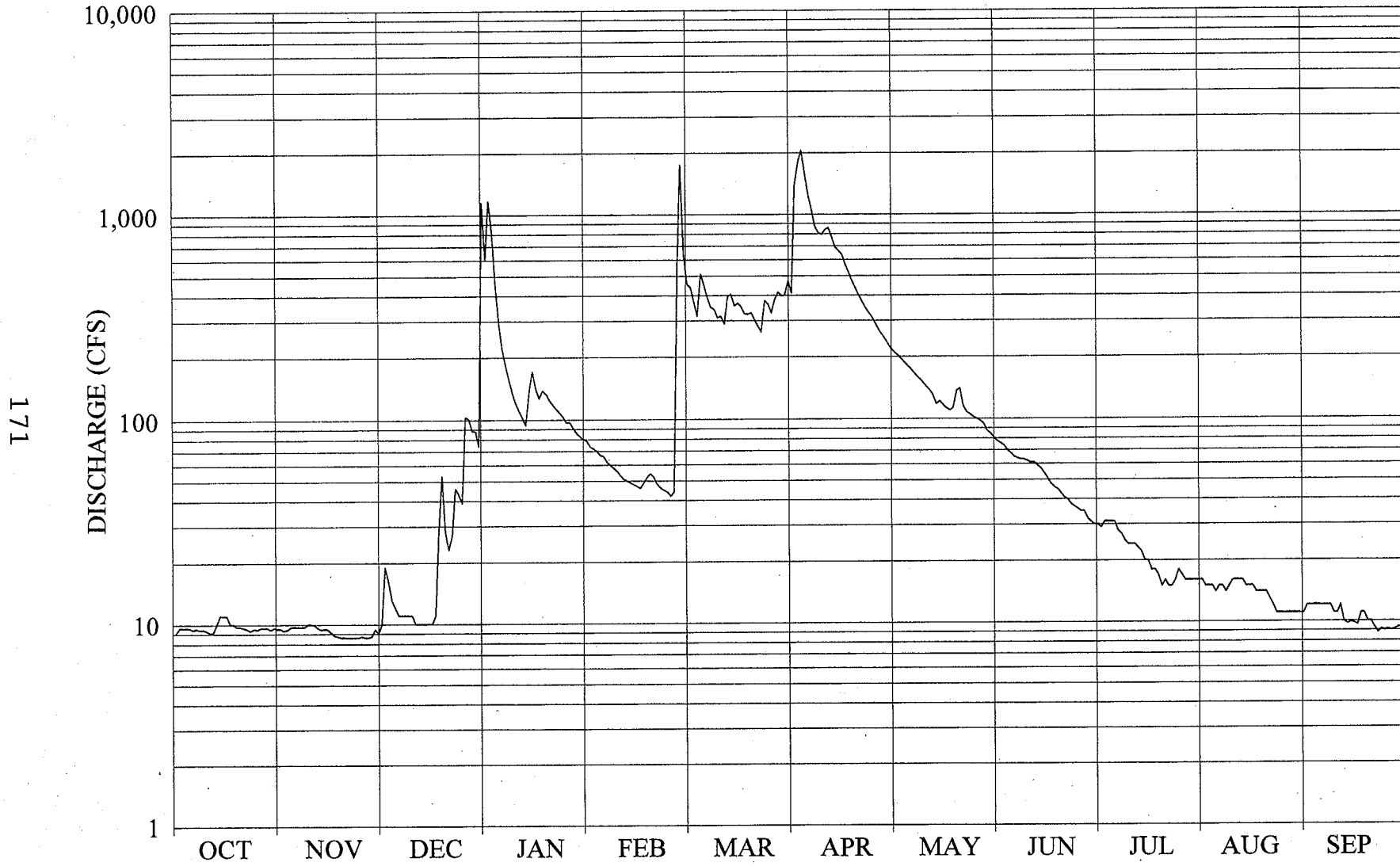


TABLE D-23

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
 CARMEL RIVER AT SLEEPY HOLLOW WEIR

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2005 TO SEP 2006.

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	9.5	10	603e	74	640e	470	225	81	30	16	11
2	9.6	9.3	19	1,170e	72	455	412	214	78	30	16	12
3	9.6	9.4	16	834e	70	438	1,380e	206	76	29	15	12
4	9.6	9.7	13	450	67	371	1,790e	199	74	31	15	12
5	9.6	9.7	12	294	66	316	2,050e	191	70	31	15	12
6	9.4	9.7	11	221	62	512e	1,600e	183	68	31	14	12
7	9.5	9.7	11	184	60	450	1,240e	177	65	31	15	12
8	9.4	9.7	11	156	58	390	1,050e	169	64	28	15	12
9	9.4	10	11	135	56	350	868e	162	63	27	14	12
10	9.3	10	11	120	53	341	809e	156	63	25	15	11
11	9.1	9.9	10	110	51	311	795e	149	62	24	16	11
12	9.1	9.6	10	102	50	315	841e	143	61	24	16	12
13	10	9.4	10	94	49	290	856e	137	61	24	16	10
14	11	9.5	10	139	48	396	767e	130	59	23	16	9.7
15	11	9.4	10	171	47	405	690e	118	57	22	15	9.9
16	11	9.1	10	140	46	355	661e	122	54	20	15	9.8
17	10	8.8	11	127	49	366	636e	117	51	20	15	9.6
18	10	8.7	28	138	52	351	568e	113	48	18	14	11
19	9.7	8.6	53	133	54	324	517e	110	46	18	14	11
20	9.7	8.6	28	124	52	322	470	113	45	17	14	10
21	9.6	8.6	23	118	48	328	433	137	43	15	14	10
22	9.5	8.6	27	113	46	303	399	140	41	16	13	9.3
23	9.3	8.6	46	108	45	281	369	115	40	15	12	8.8
24	9.5	8.6	43	103	44	265	345	108	38	15	11	9.1
25	9.4	8.7	39	97	42	376	326	105	37	16	11	9.0
26	9.6	8.6	103	97	44	363	309	102	36	18	11	9.1
27	9.6	8.6	101	91	508e	328	287	100	35	17	11	9.0
28	9.6	8.7	88	86	1,750e	382	268	98	35	16	11	9.1
29	9.4	9.4	88	83	-----	414	253	95	32	16	11	9.3
30	9.6	9.0	74	80	-----	398	239	88	31	16	11	9.3
31	9.5	-----	1,150e	79	-----	400	-----	85	-----	16	11	-----
TOTAL	299.7	275.7	2,087	6,500	3,663	11,536	21,698	4,307	1,614	679	428	314.0
MEAN	9.67	9.19	67.3	210	131	372	723	139	53.8	21.9	13.8	10.5
MAX	11	10	1,150	1,170	1,750	640	2,050	225	81	31	16	12
MIN	9.1	8.6	10	79	42	265	239	85	31	15	11	8.8
AC-FT	594	547	4,140	12,890	7,270	22,880	43,040	8,540	3,200	1,350	849	623

CAL YEAR 2005	TOTAL	53,700.3	MEAN	147	MAX	1,590	MIN	8.6	AC-FT	106,500
WTR YEAR 2006	TOTAL	53,401.4	MEAN	146	MAX	2,050	MIN	8.6	AC-FT	105,900

Discharge values based on current meter measurements to approx. 500 cfs.
 Above 500 cfs, the station rating or stage discharge relation has been developed based on correlation with San Clemente Dam Spillway discharge.

FIGURE D-24

CARMEL RIVER AT SLEEPY HOLLOW WEIR - WY 2007

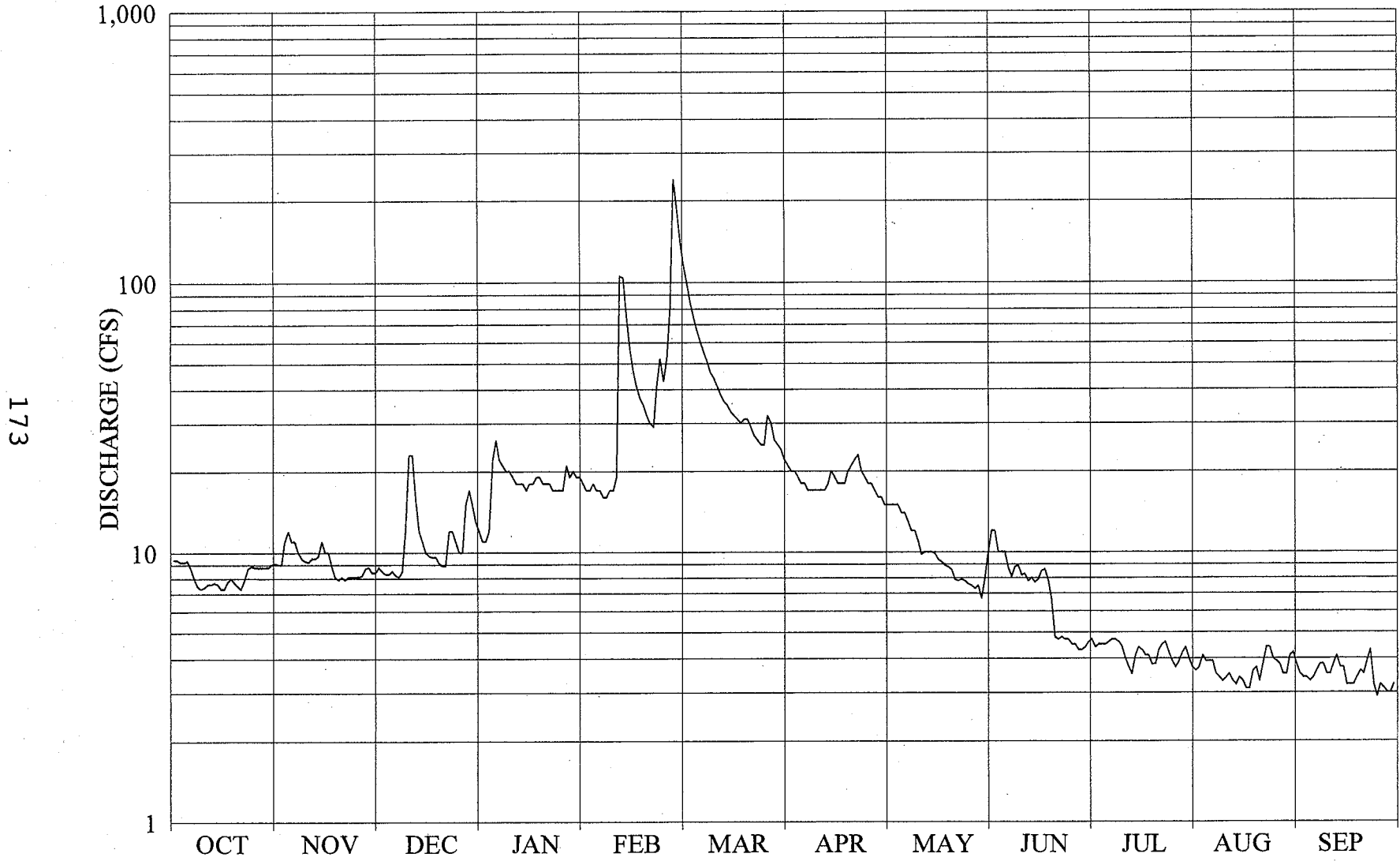


TABLE D-24

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
 CARMEL RIVER AT SLEEPY HOLLOW WEIR

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2006 TO SEP 2007

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	9.0	8.8	11	17	142	22	15	10	4.6	3.7	3.8
2	9.4	9.0	8.5	11	17	116	21	15	12	4.7	3.6	3.5
3	9.2	11	8.3	12	18	99	20	15	12	4.4	3.7	3.4
4	9.2	12	8.3	22	17	84	20	15	10	4.5	4.1	3.4
5	9.3	11	8.5	26	17	74	19	15	10	4.5	3.9	3.3
6	8.7	11	8.2	22	16	66	18	14	10	4.5	3.9	3.4
7	8.0	10	8.1	21	16	60	18	14	8.7	4.6	3.9	3.6
8	7.5	9.5	8.5	20	17	55	17	13	8.1	4.7	3.5	3.8
9	7.3	9.3	12	20	17	51	17	12	8.8	4.7	3.4	3.8
10	7.4	9.2	23	19	19	46	17	12	8.9	4.6	3.3	3.5
11	7.6	9.5	23	18	105	44	17	11	8.2	4.4	3.4	3.5
12	7.6	9.5	16	18	104	41	17	9.8	8.3	4.0	3.5	3.8
13	7.7	9.7	12	18	75	38	17	10	7.8	3.7	3.3	4.1
14	7.6	11	11	17	57	36	18	10	8.0	3.5	3.2	3.7
15	7.3	10	10	18	47	35	20	10	7.7	4.1	3.4	3.7
16	7.3	10	9.7	18	41	33	19	9.9	7.9	4.4	3.3	3.2
17	7.8	8.9	9.6	19	37	32	18	9.4	8.5	4.3	3.1	3.2
18	8.0	8.1	9.6	19	35	31	18	9.2	8.6	4.1	3.1	3.2
19	7.7	7.9	9.1	18	32	30	18	8.9	7.8	4.1	3.6	3.4
20	7.5	8.1	8.9	18	30	31	20	8.8	6.6	3.8	3.7	3.6
21	7.3	7.9	8.9	18	29	31	21	8.6	4.8	3.8	3.3	3.5
22	7.9	8.1	12	17	41	29	22	7.9	4.7	4.3	3.8	3.9
23	8.7	8.1	12	17	52	27	23	7.8	4.8	4.5	4.4	4.3
24	8.9	8.1	11	17	43	26	20	7.9	4.7	4.6	4.4	3.2
25	8.8	8.1	10	17	52	25	19	7.8	4.7	4.2	4.0	2.9
26	8.8	8.2	10	21	81	25	18	7.6	4.5	3.9	3.9	3.2
27	8.8	8.7	15	19	240	32	18	7.5	4.5	3.7	3.8	3.1
28	8.8	8.8	17	20	187	30	17	7.3	4.3	3.9	3.5	3.0
29	8.8	8.4	15	19	-----	26	16	7.5	4.3	4.2	3.5	3.0
30	9.0	8.4	13	19	-----	25	16	6.7	4.4	4.4	4.1	3.2
31	9.1	-----	12	18	-----	24	-----	7.9	-----	4.0	4.2	-----
TOTAL	256.4	276.5	357.0	567	1,459	1,444	561	321.5	223.6	131.7	113.5	104.2
MEAN	8.27	9.22	11.5	18.3	52.1	46.6	18.7	10.4	7.45	4.25	3.66	3.47
MAX	9.4	12	23	26	240	142	23	15	12	4.7	4.4	4.3
MIN	7.3	7.9	8.1	11	16	24	16	6.7	4.3	3.5	3.1	2.9
AC-FT	509	548	708	1,120	2,890	2,860	1,110	638	444	261	225	207
CAL YEAR 2006	TOTAL	51,628.9	MEAN	141	MAX	2,050.	MIN	7.3	AC-FT	102,400		
WTR YEAR 2007	TOTAL	5,815.4	MEAN	15.9	MAX	240	MIN	2.9	AC-FT	11,530		

FIGURE D-25

CARMEL RIVER AT SLEEPY HOLLOW WEIR - WY 2008

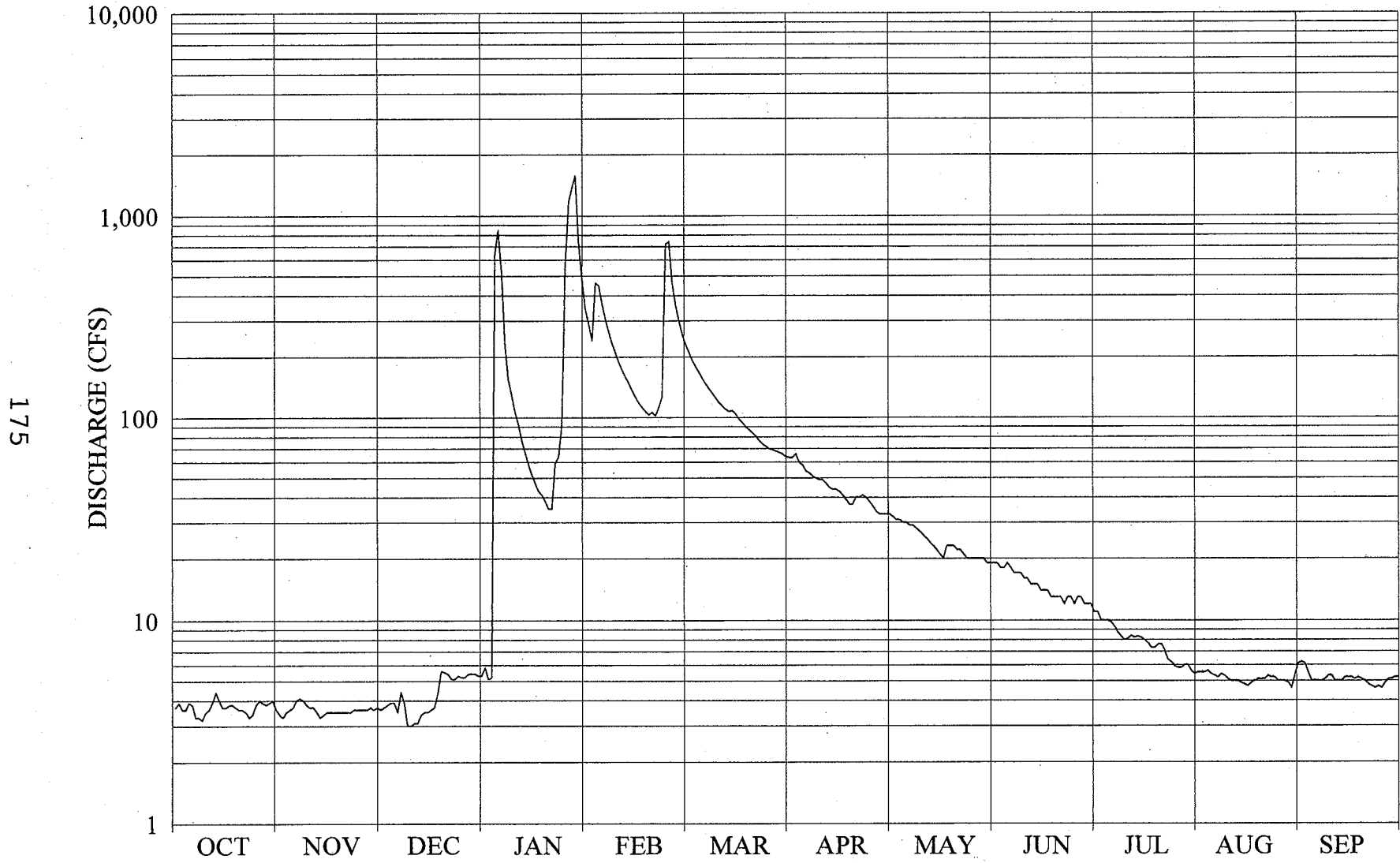


TABLE D-25

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
 CARMEL RIVER AT SLEEPY HOLLOW WEIR

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2007 TO SEP 2008

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	3.4	3.6	5.8	290	231	63	33	19	11	5.5	6.2
2	3.9	3.3	3.7	5.1	241	211	63	32	19	11	5.5	6.1
3	3.6	3.5	3.8	5.2	461	192	66	31	18	10	5.5	5.5
4	3.6	3.6	3.9	632 e	450	179	60	31	18	10	5.6	5.0
5	3.9	3.7	3.9	842 e	360	167	58	30	19	10	5.4	5.0
6	3.8	4.0	3.5	532 e	305	156	54	30	18	9.8	5.3	5.0
7	3.3	4.1	4.4	236	264	147	53	29	17	9.3	5.2	5.0
8	3.3	4.0	3.9	154	233	139	51	29	17	8.7	5.4	5.1
9	3.2	3.8	3.0	130	209	132	50	28	17	8.3	5.3	5.3
10	3.5	3.7	3.0	107	188	125	49	27	16	8.0	5.1	5.3
11	3.6	3.7	3.1	92	172	119	49	26	16	8.1	5.0	5.0
12	3.9	3.5	3.1	77	158	114	47	25	15	8.4	5.0	5.0
13	4.4	3.3	3.4	67	147	110	45	24	15	8.2	5.0	5.0
14	4.0	3.4	3.5	58	136	107	44	23	15	8.3	4.9	5.2
15	3.7	3.5	3.5	52	126	108	44	22	14	8.2	4.8	5.2
16	3.7	3.5	3.6	47	118	104	43	21	14	8.0	4.7	5.2
17	3.8	3.5	3.7	43	112	98	41	20	14	7.7	4.9	5.1
18	3.8	3.5	4.4	41	107	94	39	23	13	7.3	5.0	5.2
19	3.7	3.5	5.6	38	103	90	37	23	13	7.3	5.1	5.1
20	3.6	3.5	5.5	35	106	87	37	23	13	7.6	5.1	5.0
21	3.6	3.5	5.4	35	102	84	40	22	13	7.6	5.1	4.8
22	3.5	3.5	5.1	59	112	81	40	22	12	7.1	5.3	4.7
23	3.3	3.6	5.1	64	126	77	41	21	13	6.4	5.2	4.6
24	3.4	3.6	5.3	93	722e	74	40	20	13	6.2	5.2	4.7
25	3.8	3.6	5.2	537 e	740e	72	38	20	12	5.9	5.0	4.6
26	4.0	3.6	5.2	1,170 e	464	70	36	20	13	5.8	5.0	4.9
27	3.9	3.6	5.4	1,370 e	358	69	34	20	13	5.8	5.0	5.1
28	3.8	3.7	5.4	1,580 e	301	68	33	20	12	6.0	4.9	5.1
29	3.9	3.6	5.4	742 e	260	67	33	20	12	6.0	4.6	5.2
30	4.0	3.7	5.3	478	-----	66	33	19	12	5.6	5.3	5.2
31	3.6	-----	5.3	344	-----	64	-----	19	-----	5.4	6.1	-----
TOTAL	114.8	108.0	134.2	9,671.1	7,471	3,502	1,361	753	445	243.0	160.0	153.4
MEAN	3.70	3.60	4.33	312	258	113	45.4	24.3	14.8	7.84	5.16	5.11
MAX	4.4	4.1	5.6	1,580	740	231	66	33	19	11	6.1	6.2
MIN	3.2	3.3	3.0	5.1	102	64	33	19	12	5.4	4.6	4.6
AC-FT	228	214	266	19,180	14,820	6,950	2,700	1,490	883	482	317	304

CAL YEAR 2007	TOTAL	5,282.5	MEAN	14.5	MAX	240	MIN	2.9	AC-FT	10,480
WTR YEAR 2008	TOTAL	24,116.5	MEAN	65.9	MAX	1,580	MIN	3.0	AC-FT	47,840

Discharge values based on current meter measurements to approx. 500 cfs.
 Above 500 cfs, the station rating or stage/discharge relation has been
 developed based on correlation with San Clemente Dam Spillway discharge.

FIGURE D-26

TULARCITOS CREEK - WY 2004

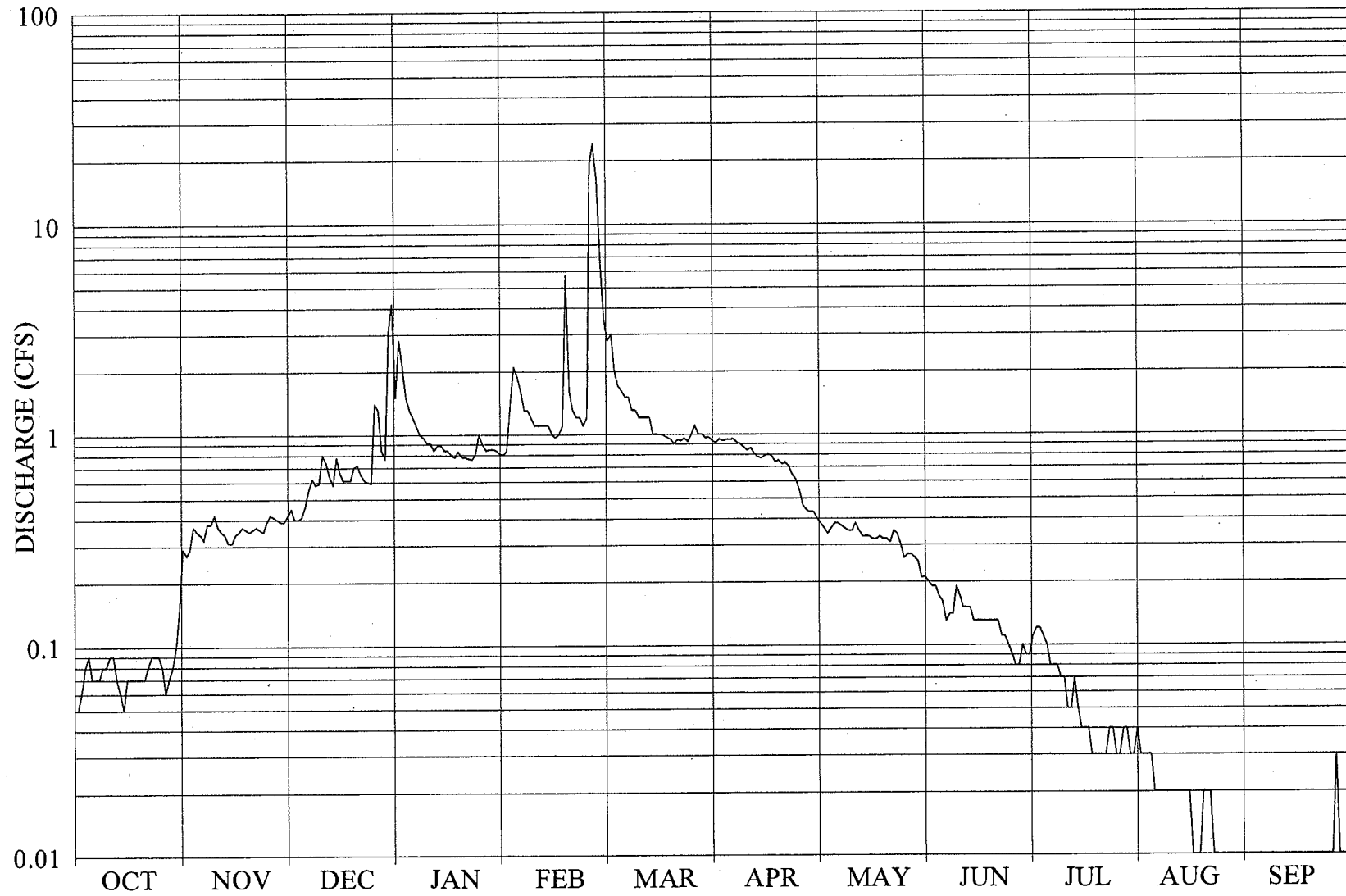


TABLE D-26

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
TULARCITOS CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2003 TO SEP 2004

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.05	.27	.45	2.8	.84	2.8	.91	.38	.20	.11	-.03	-.01
2	.06	.29	.40	2.1	1.4	3.0	.95	.36	.19	.12	-.03	-.01
3	.08	.37	.40	1.5	2.1	2.0	.93	.34	.19	.12	-.03	-.01
4	.09	.35	.41	1.3	1.9	1.7	.94	.36	.17	.11	-.03	-.01
5	.07	.34	.46	1.2	1.6	1.6	.94	.38	.16	.10	-.02	-.01
6	.07	.32	.55	1.1	1.3	1.5	.95	.38	.13	.08	-.02	-.01
7	.07	.38	.62	1.0	1.3	1.5	.91	.37	.14	.08	-.02	-.01
8	.08	.38	.58	.97	1.2	1.3	.90	.36	.14	.08	-.02	-.01
9	.08	.42	.59	.91	1.1	1.3	.87	.35	.19	.07	-.02	-.01
10	.09	.37	.80	.91	1.1	1.2	.84	.35	.17	.07	-.02	-.01
11	.09	.35	.74	.84	1.1	1.2	.86	.38	.15	.05	-.02	-.01
12	.07	.34	.64	.89	1.1	1.2	.81	.35	.15	.05	-.02	-.01
13	.06	.31	.58	.89	1.1	1.2	.78	.33	.15	.07	-.02	-.01
14	.05	.31	.78	.84	1.0	1.0	.77	.33	.13	.05	-.02	-.01
15	.07	.34	.66	.84	.97	1.0	.79	.33	.13	.04	-.02	0
16	.07	.35	.61	.80	1.0	1.0	.80	.32	.13	.04	.01	0
17	.07	.37	.61	.78	1.1	.99	.79	.32	.13	.04	.01	0
18	.07	.36	.61	.83	5.7	.97	.74	.33	.13	.03	.01	0
19	.07	.35	.70	.78	1.6	.95	.75	.32	.13	.03	.02	0
20	.07	.36	.72	.78	1.3	.90	.72	.32	.13	.03	.02	0
21	.08	.37	.65	.77	1.2	.94	.73	.31	.13	.03	.02	0
22	.09	.36	.61	.76	1.2	.93	.70	.35	.11	.03	.01	0
23	.09	.35	.60	.81	1.1	.96	.64	.34	.11	.04	.01	0
24	.09	.39	.59	1.0	1.2	.92	.61	.30	.10	.04	.01	0
25	.08	.42	1.4	.90	19	1.0	.54	.26	.09	.03	.01	0
26	.06	.41	1.3	.84	24	1.1	.46	.27	.08	.03	.01	-.03
27	.07	.40	.84	.85	16	1.0	.44	.27	.08	.04	.01	-.01
28	.08	.39	.77	.85	6.6	1.0	.43	.26	.10	.04	.01	-.01
29	.10	.39	3.1	.84	3.5	.96	.43	.25	.09	.03	.01	-.01
30	.15	.42	4.2	.81	-----	.97	.40	.21	.09	.03	.01	-.01
31	.29	-----	1.5	.80	-----	.93	-----	.21	-----	.04	.01	-----
TOTAL	2.61	10.83	27.47	31.29	103.61	39.02	22.33	9.99	4.02	1.75	0.53	0.21
MEAN	.084	.36	.89	1.01	3.57	1.26	.74	.32	.13	.056	.017	.007
MAX	.29	.42	4.2	2.8	24	3.0	.95	.38	.20	.12	.03	.03
MIN	.05	.27	.40	.76	.84	.90	.40	.21	.08	.03	.01	0
AC-FT	5.2	21	54	62	206	77	44	20	8.0	3.5	1.1	.4

CAL YEAR 2003	TOTAL	244.90	MEAN	.67	MAX	4.2	MIN	.01	AC-FT	486
WTR YEAR 2004	TOTAL	253.66	MEAN	.69	MAX	24	MIN	0	AC-FT	503

FIGURE D-27

TULARCITOS CREEK - WY 2005

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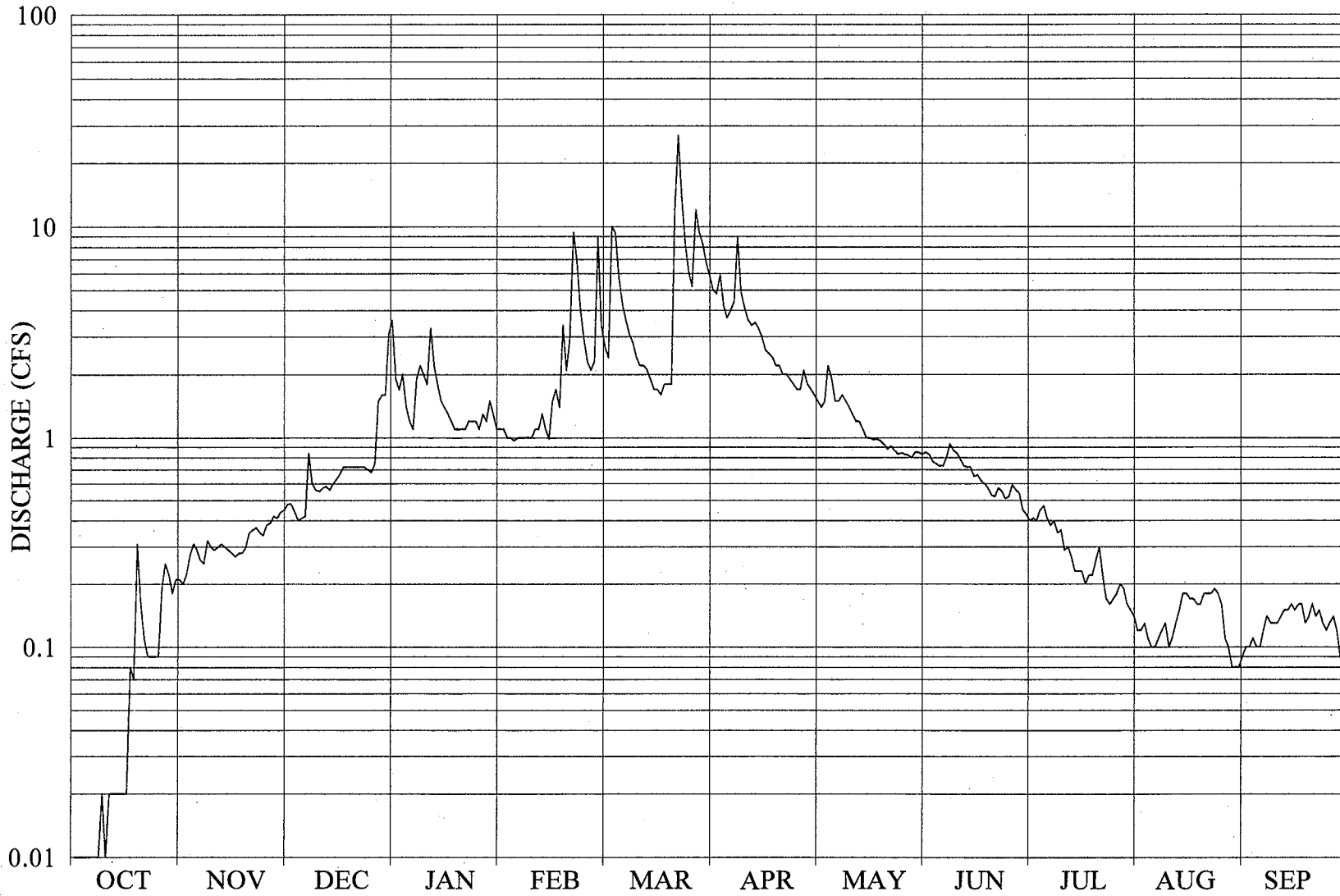


TABLE D-27

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
TULARCITOS CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2004 TO SEP 2005

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	.20	.48	1.9	1.1	3.4	5.8	1.6	.83	.43	.14	.09
2	.01	.22	.48	1.7	1.0	2.7	5.0	1.5	.85	.40	.12	.10
3	.01	.27	.44	2.0	1.0	2.4	4.8	1.4	.83	.41	.12	.10
4	.01	.31	.40	1.4	.97	10	5.9	1.5	.77	.40	.13	.11
5	.01	.29	.41	1.2	1.0	9.3	4.2	2.2	.75	.45	.11	.10
6	.01	.26	.42	1.1	1.0	5.7	3.7	1.9	.73	.47	.10	.10
7	.01	.25	.84	1.9	1.0	4.3	4.0	1.5	.73	.41	.10	.12
8	.01	.32	.60	2.2	1.0	3.6	4.4	1.5	.80	.38	.11	.14
9	.02	.30	.56	2.0	1.0	3.1	8.9	1.6	.93	.40	.12	.13
10	.01	.29	.55	1.8	1.1	2.8	4.9	1.5	.87	.35	.13	.13
11	.02	.30	.57	3.3	1.1	2.4	4.1	1.4	.84	.36	.10	.13
12	.02	.31	.58	2.2	1.3	2.2	3.6	1.3	.79	.29	.11	.14
13	.02	.30	.56	1.8	1.1	2.2	3.4	1.2	.73	.30	.13	.15
14	.02	.29	.60	1.5	.99	2.1	3.5	1.2	.72	.27	.15	.15
15	.02	.28	.63	1.4	1.5	1.9	3.3	1.1	.72	.23	.18	.16
16	.02	.27	.67	1.3	1.7	1.7	3.0	1.0	.65	.23	.18	.15
17	.08	.28	.72	1.2	1.4	1.7	2.6	1.0	.66	.23	.17	.16
18	.07	.28	.72	1.1	3.4	1.6	2.5	.98	.62	.20	.17	.16
19	.31	.30	.72	1.1	2.1	1.8	2.4	.99	.60	.22	.16	.13
20	.16	.35	.72	1.1	2.9	1.8	2.2	.97	.57	.22	.16	.14
21	.11	.36	.72	1.1	9.4	1.8	2.2	.93	.53	.26	.18	.16
22	.09	.37	.72	1.2	6.9	12	2.0	.88	.52	.30	.18	.14
23	.09	.35	.72	1.2	4.1	27	2.0	.91	.57	.22	.18	.15
24	.09	.34	.70	1.2	2.9	14	1.9	.87	.55	.17	.19	.13
25	.09	.38	.68	1.1	2.3	8.2	1.8	.83	.51	.16	.18	.12
26	.19	.39	.75	1.3	2.1	6.1	1.7	.84	.52	.17	.16	.13
27	.25	.42	1.5	1.2	2.3	5.2	1.7	.83	.59	.18	.11	.14
28	.22	.41	1.6	1.5	8.9	12	2.1	.82	.56	.20	.10	.12
29	.18	.44	1.6	1.3	-----	9.4	1.8	.80	.54	.19	.08	.09
30	.21	.45	3.1	1.1	-----	8.3	1.7	.85	.45	.16	.08	.08
31	.21	-----	3.6	1.1	-----	6.8	-----	.85	-----	.15	.08	-----
TOTAL	2.58	9.58	27.36	46.5	66.56	177.5	101.1	36.75	20.33	8.81	4.21	3.85
MEAN	.083	.32	.88	1.50	2.38	5.73	3.37	1.19	.68	.28	.14	.13
MAX	.31	.45	3.6	3.3	9.4	27	8.9	2.2	.93	.47	.19	.16
MIN	.01	.20	.40	1.1	.97	1.6	1.7	.80	.45	.15	.08	.08
AC-FT	5.1	19	54	92	132	352	201	73	40	17	8.4	7.6

CAL YEAR 2004	TOTAL	252.27	MEAN	.69	MAX	24	MIN	0	AC-FT	500
WTR YEAR 2005	TOTAL	505.13	MEAN	1.38	MAX	27	MIN	.01	AC-FT	1,000

FIGURE D-28

TULARCITOS CREEK - WY 2006

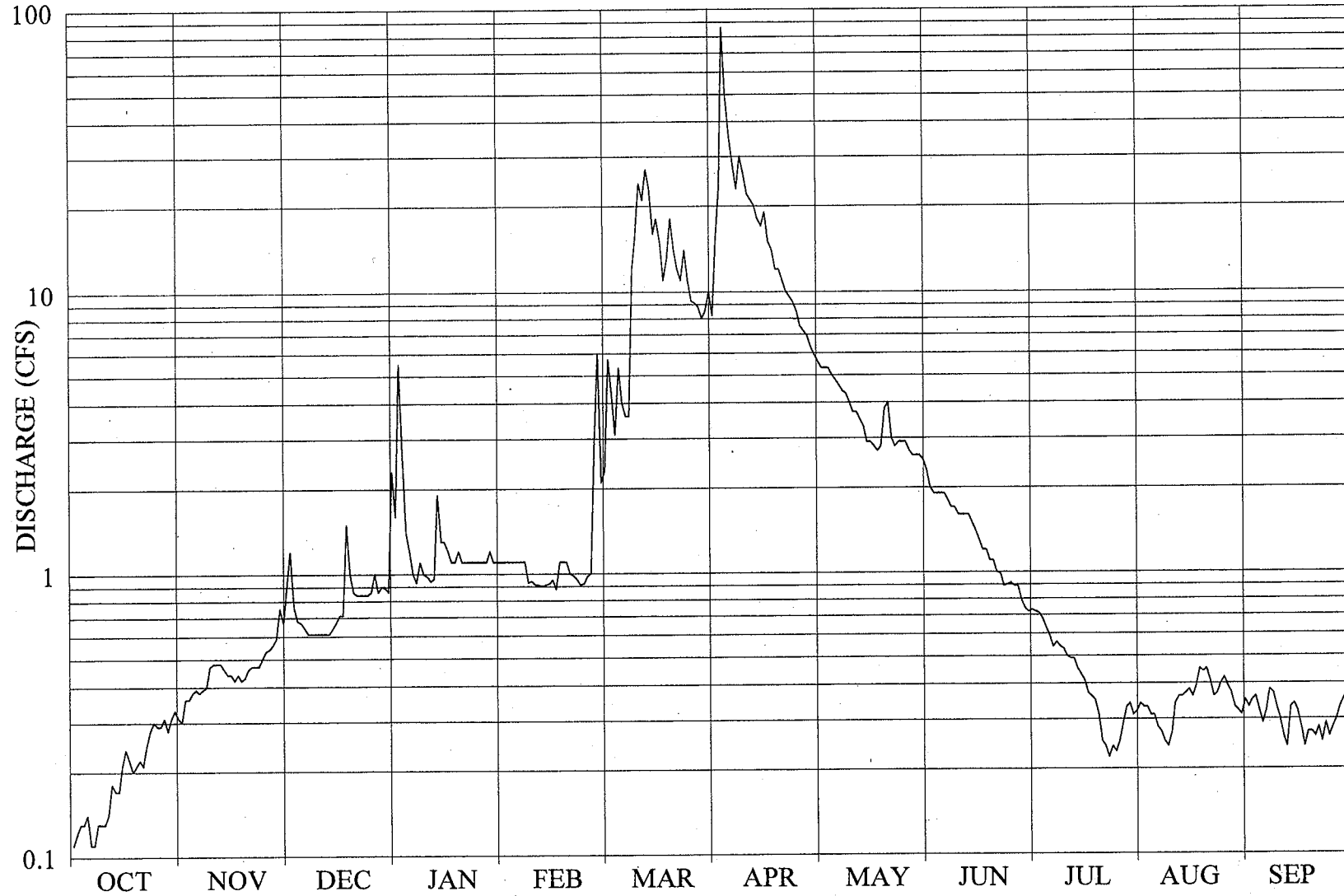


TABLE D-28

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
TULARCITOS CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2005 TO SEP 2006

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.11	.30	.90	1.6	1.1	2.1	10	5.9	2.5	.72	.32	.35
2	.12	.36	1.2	5.5	1.1	2.3	8.2	5.6	2.3	.73	.34	.33
3	.13	.36	.76	2.7	1.1	5.7	15	5.3	2.0	.72	.33	.35
4	.13	.38	.68	1.4	1.1	4.3	23	5.3	1.9	.71	.33	.36
5	.14	.39	.67	1.2	1.1	3.1	86	5.3	1.9	.68	.31	.32
6	.11	.38	.64	1.0	1.1	5.3	49	5.0	1.9	.63	.31	.29
7	.11	.39	.61	.93	1.1	4.0	35	4.8	1.9	.59	.28	.32
8	.13	.40	.61	1.1	.93	3.6	28	4.6	1.8	.54	.27	.38
9	.13	.47	.61	1.0	.94	3.6	23	4.4	1.7	.56	.25	.37
10	.13	.48	.61	.98	.91	12	30	4.3	1.7	.54	.24	.33
11	.14	.48	.61	.94	.91	16	26	4.0	1.6	.53	.27	.30
12	.18	.48	.61	.96	.90	24	22	3.7	1.6	.50	.34	.26
13	.17	.46	.61	1.9	.91	21	21	3.7	1.6	.49	.36	.24
14	.17	.44	.64	1.3	.92	27	20	3.5	1.6	.49	.36	.33
15	.21	.44	.67	1.3	.95	23	18	3.3	1.5	.45	.37	.34
16	.24	.42	.71	1.2	.88	16	17	2.9	1.4	.43	.38	.32
17	.22	.44	.71	1.1	1.1	18	19	2.9	1.3	.41	.36	.28
18	.20	.42	1.5	1.1	1.1	15	15	2.8	1.2	.37	.39	.24
19	.21	.43	1.0	1.2	1.1	11	14	2.7	1.2	.36	.45	.27
20	.22	.46	.86	1.1	1.0	13	12	2.8	1.1	.35	.44	.27
21	.21	.47	.84	1.1	.98	18	12	3.8	1.1	.31	.45	.26
22	.25	.47	.84	1.1	.95	14	11	4.0	1.0	.25	.41	.28
23	.28	.47	.84	1.1	.91	12	10	3.0	.99	.24	.36	.25
24	.30	.50	.84	1.1	.92	11	9.6	2.8	.89	.22	.37	.29
25	.29	.53	.86	1.1	.98	14	9.2	2.9	.90	.24	.40	.26
26	.29	.54	1.0	1.1	1.0	11	8.5	2.9	.91	.23	.42	.28
27	.31	.56	.86	1.1	2.9	9.3	7.5	2.9	.89	.25	.39	.30
28	.28	.59	.90	1.2	6.0	9.1	7.2	2.7	.89	.29	.37	.33
29	.31	.75	.89	1.1	-----	8.8	6.9	2.6	.79	.33	.33	.35
30	.33	.67	.86	1.1	-----	8.0	6.3	2.6	.74	.34	.32	.37
31	.31	-----	2.3	1.1	-----	8.5	-----	2.6	-----	.31	.31	-----
TOTAL	6.36	13.93	26.24	41.71	34.89	353.7	579.4	115.6	42.80	13.81	10.83	9.22
MEAN	.21	.46	.85	1.35	1.25	11.4	19.3	3.73	1.43	.45	.35	.31
MAX	.33	.75	2.3	5.5	6.0	27	86	5.9	2.5	.73	.45	.38
MIN	.11	.30	.61	.93	.88	2.1	6.3	2.6	.74	.22	.24	.24
AC-FT	13	28	52	83	69	702	1,150	229	85	27	21	18
CAL YEAR 2005	TOTAL	512.14	MEAN	1.40	MAX	27	MIN	.08	AC-FT	1,020		
WTR YEAR 2006	TOTAL	1,248.49	MEAN	3.42	MAX	86	MIN	.11	AC-FT	2,480		

FIGURE D-29

TULARCITOS CREEK - WY 2007



TABLE D-29

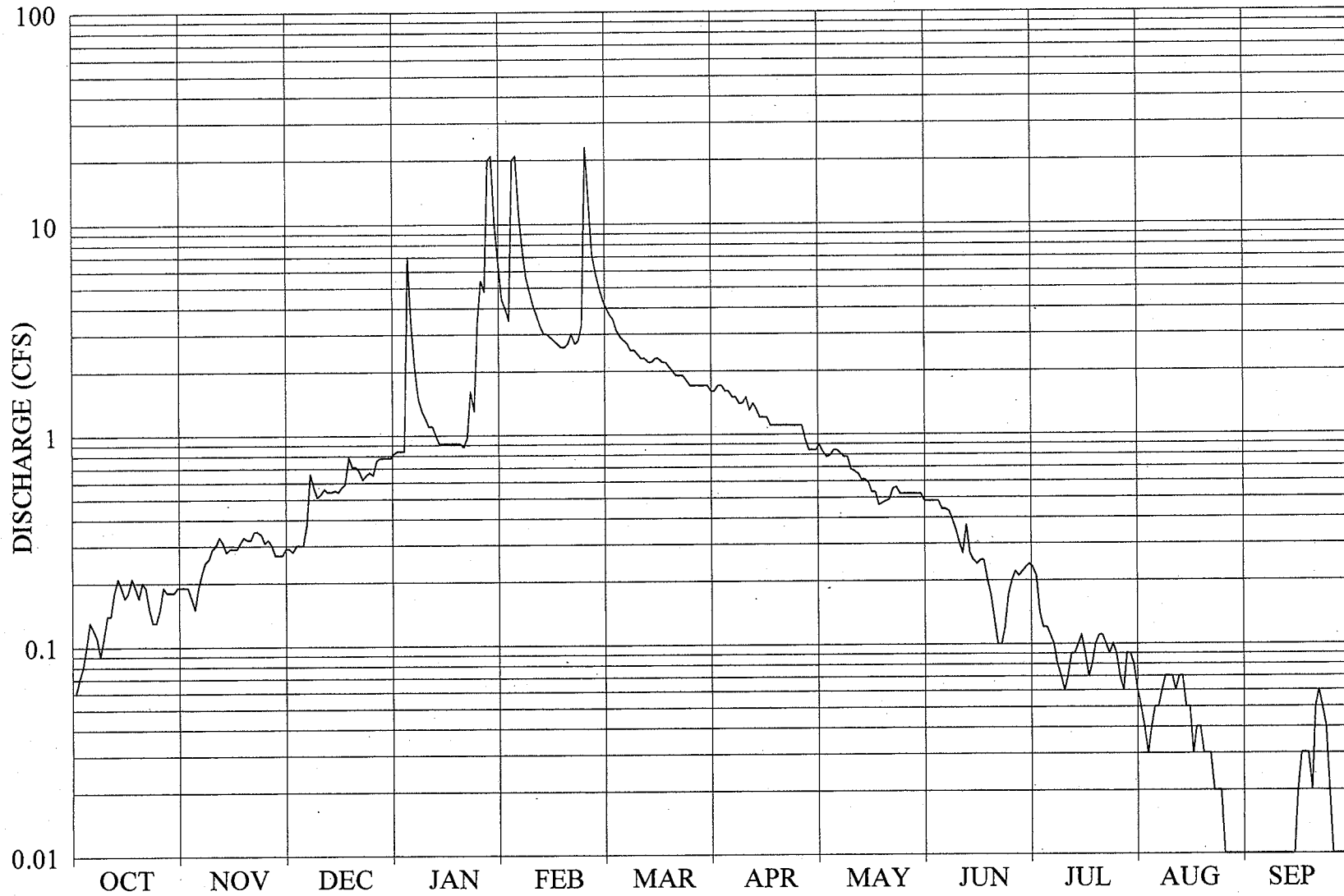
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
TULARCITOS CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2006 TO SEP 2007

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.38	.57	.78	1.1	1.2	1.4	1.2	.96	.59	.20	.08	0
2	.35	.55	.78	1.1	1.1	1.4	1.2	.91	.59	.18	.08	0
3	.34	.55	.78	1.1	1.1	1.5	1.2	.98	.54	.16	.07	0
4	.38	.59	.78	1.3	1.1	1.4	1.2	.99	.50	.17	.06	0
5	.44	.58	.78	1.3	1.1	1.3	1.2	.99	.51	.15	.07	0
6	.43	.56	.78	1.2	1.1	1.2	1.2	.99	.54	.15	.07	0
7	.43	.55	.74	1.1	1.2	1.2	1.2	.93	.48	.18	.07	0
8	.44	.57	.89	1.1	1.2	1.3	1.2	.87	.47	.18	.06	.01
9	.39	.62	1.2	1.1	1.2	1.2	1.1	.81	.48	.17	.05	.01
10	.39	.60	1.5	1.1	1.5	1.2	1.2	.88	.44	.16	.05	.01
11	.42	.67	1.1	1.1	1.6	1.2	1.2	.88	.41	.17	.04	.01
12	.42	.69	1.1	1.1	1.4	1.2	1.2	.84	.38	.14	.04	.02
13	.44	.73	.98	1.1	1.3	1.2	1.1	.77	.33	.12	.03	.02
14	.45	.98	1.0	1.1	1.3	1.2	1.3	.75	.32	.12	.03	.01
15	.43	.69	1.1	1.1	1.3	1.3	1.3	.76	.28	.12	.03	.01
16	.44	.67	1.1	1.1	1.2	1.2	1.2	.76	.30	.10	.03	.01
17	.43	.66	1.2	1.2	1.3	1.3	1.2	.77	.34	.09	.02	.02
18	.45	.66	1.2	1.2	1.2	1.3	1.2	.74	.33	.09	.02	.02
19	.41	.65	1.1	1.1	1.1	1.3	1.2	.73	.31	.10	.02	.02
20	.38	.65	1.1	1.1	1.1	1.6	1.4	.73	.29	.09	.02	.03
21	.40	.66	1.2	1.1	1.1	1.5	1.3	.70	.27	.09	.01	.03
22	.39	.67	1.4	1.1	1.4	1.3	1.4	.62	.22	.08	.02	.07
23	.39	.67	1.1	1.1	1.4	1.3	1.2	.61	.24	.08	.02	.07
24	.40	.67	1.1	1.1	1.2	1.3	1.1	.55	.25	.09	.02	.05
25	.44	.71	1.1	1.1	1.3	1.3	1.1	.57	.24	.11	.01	.04
26	.38	.72	1.1	1.1	1.4	1.3	1.1	.59	.22	.11	.02	.03
27	.38	.76	1.5	1.3	1.7	1.8	1.1	.59	.25	.09	.02	.04
28	.40	.77	1.3	1.2	1.6	1.4	1.0	.59	.23	.09	.01	.06
29	.43	.74	1.2	1.2	-----	1.3	1.1	.56	.20	.08	.01	.07
30	.47	.78	1.2	1.1	-----	1.3	1.0	.59	.20	.08	.01	.07
31	.50	-----	1.1	1.2	-----	1.3	-----	.59	-----	.07	0	-----
TOTAL	12.82	19.94	33.29	35.3	35.7	41.0	35.6	23.60	10.75	3.81	1.09	0.73
MEAN	.41	.66	1.07	1.14	1.28	1.32	1.19	.76	.36	.12	.035	.024
MAX	.50	.98	1.5	1.3	1.7	1.8	1.4	.99	.59	.20	.08	.07
MIN	.34	.55	.74	1.1	1.1	1.2	1.0	.55	.20	.07	0	0
AC-FT	25	40	66	70	71	81	71	47	21	7.6	2.2	1.4
CAL YEAR 2006	TOTAL	1,268.01	MEAN	3.47	MAX	86	MIN	.22	AC-FT	2,520		
WTR YEAR 2007	TOTAL	253.63	MEAN	.69	MAX	1.8	MIN	0	AC-FT	503		

FIGURE D-30

TULARCITOS CREEK - WY 2008



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TABLE D-30

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
TULARCITOS CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2007 TO SEP 2008

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.06	.19	.29	.84	4.0	4.0	1.6	.89	.48	.23	.05	.01
2	.07	.19	.28	.84	3.5	3.7	1.7	.82	.48	.21	.04	0
3	.08	.17	.30	.84	20	3.5	1.7	.78	.48	.14	.03	0
4	.10	.15	.30	7.0	21	3.1	1.6	.79	.48	.12	.04	0
5	.13	.19	.30	3.3	11	2.9	1.6	.84	.44	.12	.05	0
6	.12	.22	.38	2.1	7.5	2.8	1.5	.84	.44	.11	.05	0
7	.11	.25	.66	1.5	5.6	2.7	1.5	.81	.43	.10	.06	0
8	.09	.26	.57	1.3	4.8	2.5	1.4	.78	.39	.08	.07	0
9	.11	.29	.51	1.2	4.1	2.5	1.4	.78	.35	.07	.07	0
10	.14	.30	.53	1.1	3.7	2.4	1.5	.68	.30	.06	.07	0
11	.14	.33	.56	1.1	3.3	2.3	1.3	.67	.27	.07	.06	0
12	.18	.31	.54	1.0	3.0	2.3	1.4	.65	.37	.09	.07	.01
13	.21	.28	.54	.91	3.0	2.2	1.3	.61	.27	.09	.07	.01
14	.19	.29	.55	.91	2.9	2.2	1.2	.61	.25	.10	.05	.01
15	.17	.29	.54	.91	2.8	2.3	1.2	.59	.24	.11	.05	.02
16	.18	.29	.57	.91	2.7	2.3	1.2	.53	.25	.09	.03	.03
17	.21	.31	.59	.91	2.6	2.2	1.1	.53	.25	.07	.04	.03
18	.19	.33	.79	.91	2.6	2.2	1.1	.46	.20	.08	.04	.03
19	.17	.32	.71	.91	2.7	2.1	1.1	.47	.17	.10	.03	.02
20	.20	.32	.71	.88	3.0	2.0	1.1	.48	.13	.11	.03	.05
21	.19	.35	.68	.97	2.7	1.9	1.1	.49	.10	.11	.03	.06
22	.15	.35	.62	1.6	2.8	1.9	1.1	.55	.10	.10	.02	.05
23	.13	.34	.65	1.3	3.3	1.9	1.1	.56	.12	.09	.02	.04
24	.13	.31	.67	3.4	23	1.8	1.1	.52	.17	.10	.02	.02
25	.15	.32	.65	5.4	13	1.7	1.1	.52	.20	.09	.01	.01
26	.19	.30	.76	4.8	7.2	1.7	1.1	.52	.22	.07	.01	0
27	.18	.27	.78	20	5.8	1.7	.94	.52	.21	.06	.01	0
28	.18	.27	.78	21	5.0	1.7	.84	.52	.22	.09	.01	0
29	.18	.27	.78	10	4.4	1.7	.84	.52	.23	.09	.01	.01
30	.19	.29	.78	6.5	-----	1.7	.84	.52	.24	.08	.01	.02
31	.19	-----	.82	4.4	-----	1.6	-----	.48	-----	.06	.01	-----
TOTAL	4.71	8.35	18.19	108.74	181.0	71.5	37.56	19.33	8.48	3.09	1.16	0.43
MEAN	.15	.28	.59	3.51	6.24	2.31	1.25	.62	.28	.10	.037	.014
MAX	.21	.35	.82	21	23	4.0	1.7	.89	.48	.23	.07	.06
MIN	.06	.15	.28	.84	2.6	1.6	.84	.46	.10	.06	.01	0
AC-FT	9.3	17	36	216	359	142	75	38	17	6.1	2.3	.9

CAL YEAR 2007	TOTAL	218.83	MEAN	.60	MAX	1.8	MIN	0	AC-FT	434
WTR YEAR 2008	TOTAL	462.54	MEAN	1.26	MAX	23	MIN	0	AC-FT	917

FIGURE D-31

HITCHCOCK CREEK - WY 2004

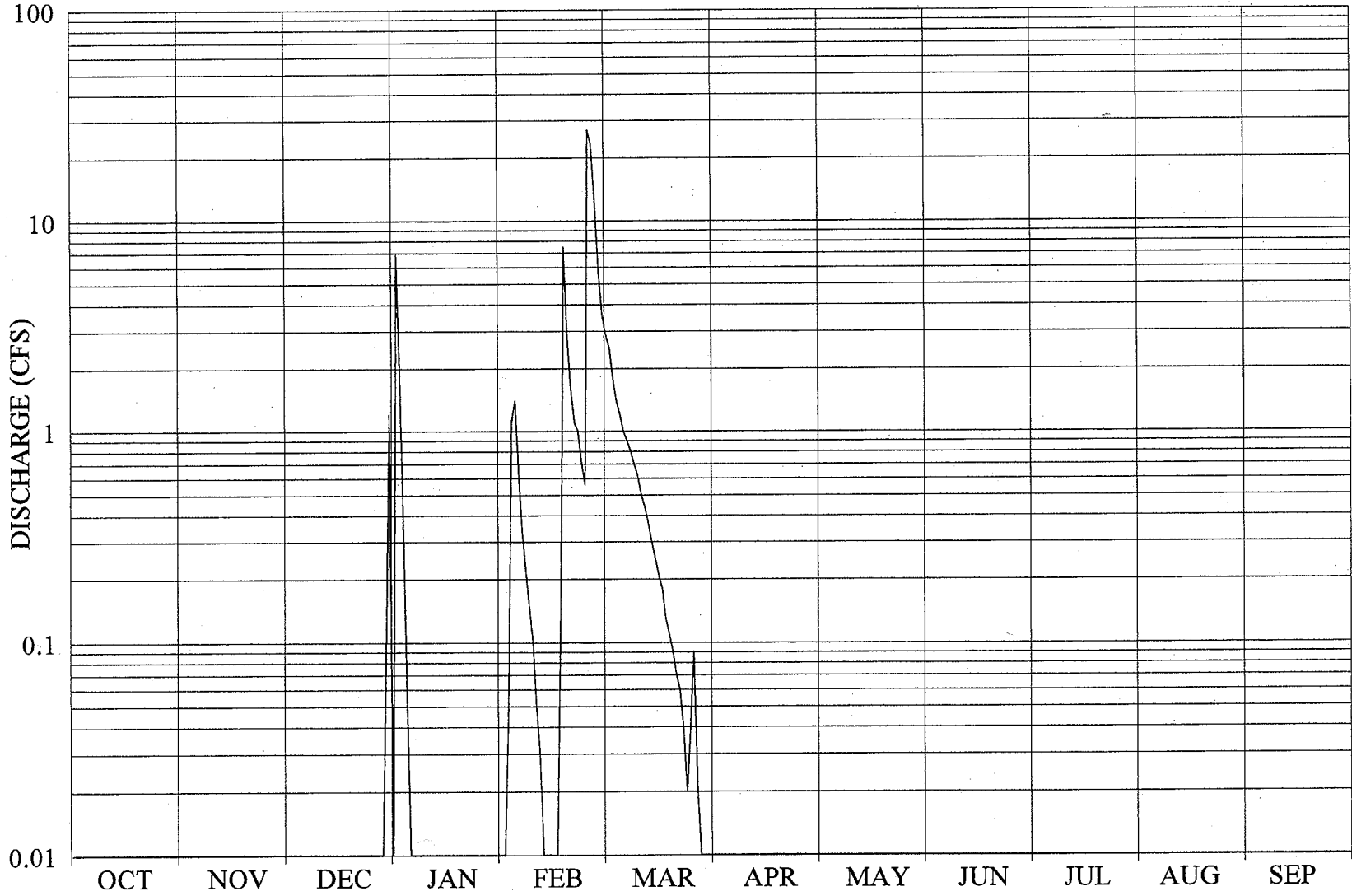


TABLE D-31

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
HITCHCOCK CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2003 TO SEP 2004

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	6.9	0	2.9	0	0	0	0	0	0
2	0	0	0	1.8	.05	2.5	0	0	0	0	0	0
3	0	0	0	.37	1.1	1.8	0	0	0	0	0	0
4	0	0	0	.05	1.4	1.4	0	0	0	0	0	0
5	0	0	0	0	.61	1.2	0	0	0	0	0	0
6	0	0	0	0	.33	1.0	0	0	0	0	0	0
7	0	0	0	0	.22	.90	0	0	0	0	0	0
8	0	0	0	0	.15	.81	0	0	0	0	0	0
9	0	0	0	0	.10	.70	0	0	0	0	0	0
10	0	0	0	0	.05	.62	0	0	0	0	0	0
11	0	0	0	0	.03	.51	0	0	0	0	0	0
12	0	0	0	0	.01	.44	0	0	0	0	0	0
13	0	0	0	0	0	.37	0	0	0	0	0	0
14	0	0	0	0	0	.30	0	0	0	0	0	0
15	0	0	0	0	0	.25	0	0	0	0	0	0
16	0	0	0	0	0	.21	0	0	0	0	0	0
17	0	0	0	0	.14	.18	0	0	0	0	0	0
18	0	0	0	0	7.5	.13	0	0	0	0	0	0
19	0	0	0	0	2.8	.11	0	0	0	0	0	0
20	0	0	0	0	1.6	.09	0	0	0	0	0	0
21	0	0	0	0	1.1	.07	0	0	0	0	0	0
22	0	0	0	0	1.0	.06	0	0	0	0	0	0
23	0	0	0	0	.72	.04	0	0	0	0	0	0
24	0	0	0	0	.56	.02	0	0	0	0	0	0
25	0	0	0	0	27	.04	0	0	0	0	0	0
26	0	0	0	0	23	.09	0	0	0	0	0	0
27	0	0	0	0	12	.02	0	0	0	0	0	0
28	0	0	0	0	5.7	.01	0	0	0	0	0	0
29	0	0	.09	0	3.6	0	0	0	0	0	0	0
30	0	0	1.2	0	-----	0	0	0	0	0	0	0
31	0	-----	0	0	-----	0	-----	0	-----	0	0	-----
TOTAL	0	0	1.29	9.12	90.77	16.77	0	0	0	0	0	0
MEAN	0	0	.042	.29	3.13	.54	0	0	0	0	0	0
MAX	0	0	1.2	6.9	27	2.9	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	2.6	18	180	33	0	0	0	0	0	0
CAL YEAR 2003 TOTAL		45.07	MEAN	.12	MAX	4.6	MIN	0	AC-FT	89		
WTR YEAR 2004 TOTAL		117.95	MEAN	.32	MAX	27	MIN	0	AC-FT	234		

FIGURE D-32

HITCHCOCK CREEK - WY 2005

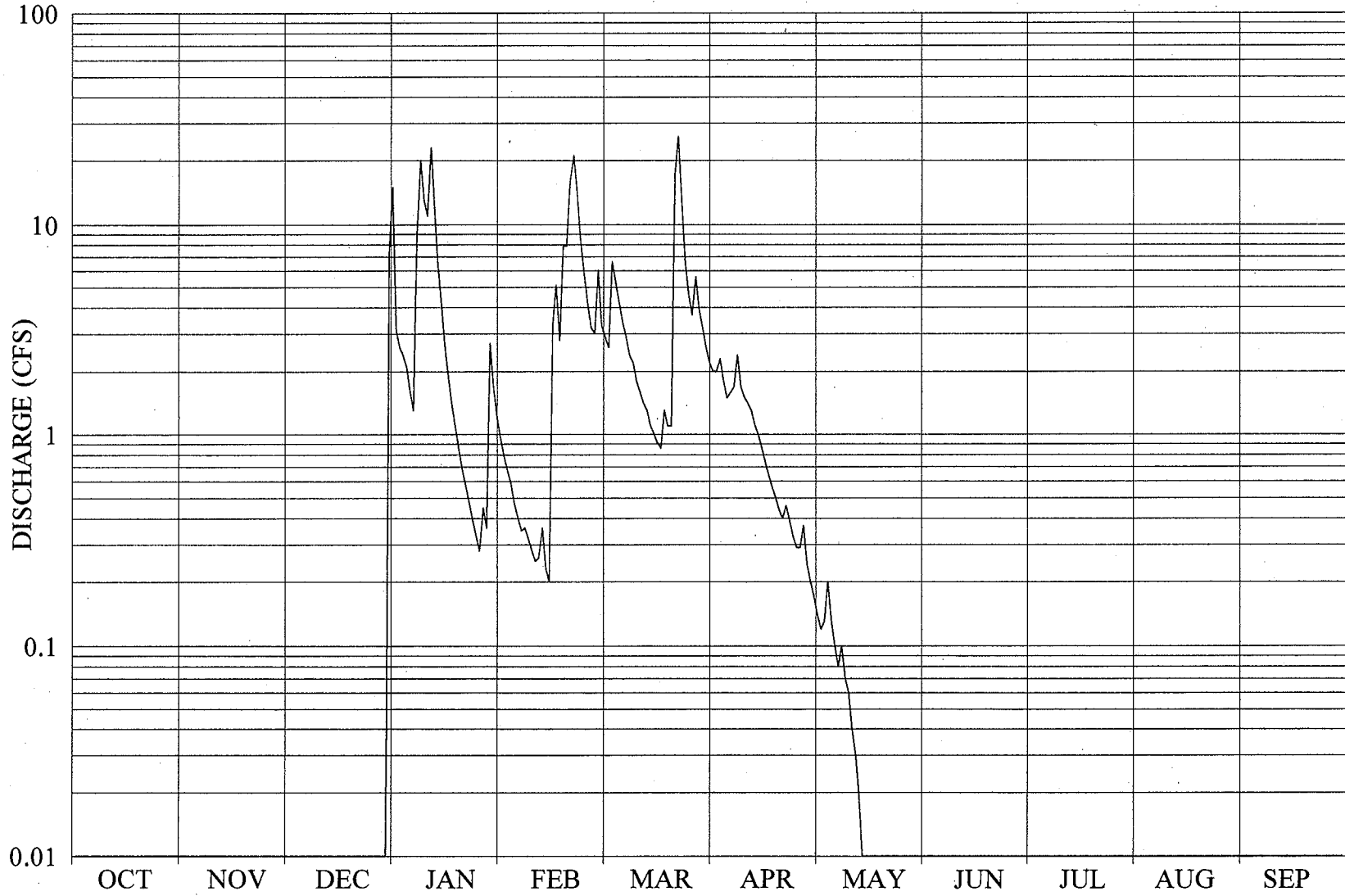


TABLE D-32

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
HITCHCOCK CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2004 TO SEP 2005

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	3.1	.79	3.3	2.2	.17	0	0	0	0
2	0	0	0	2.6	.67	2.9	2.0	.14	0	0	0	0
3	0	0	0	2.4	.58	2.6	2.0	.12	0	0	0	0
4	0	0	0	2.1	.47	6.6	2.3	.13	0	0	0	0
5	0	0	0	1.6	.40	5.3	1.8	.20	0	0	0	0
6	0	0	0	1.3	.35	4.2	1.5	.13	0	0	0	0
7	0	0	0	9.0	.36	3.4	1.6	.10	0	0	0	0
8	0	0	0	20	.32	2.9	1.7	.08	0	0	0	0
9	0	0	0	13	.28	2.4	2.4	.10	0	0	0	0
10	0	0	0	11	.25	2.2	1.7	.07	0	0	0	0
11	0	0	0	23	.26	1.8	1.5	.06	0	0	0	0
12	0	0	0	12	.36	1.6	1.4	.04	0	0	0	0
13	0	0	0	6.4	.23	1.4	1.3	.03	0	0	0	0
14	0	0	0	4.1	.20	1.3	1.1	.02	0	0	0	0
15	0	0	0	2.7	3.3	1.1	1.0	.01	0	0	0	0
16	0	0	0	1.9	5.1	1.0	.86	.01	0	0	0	0
17	0	0	0	1.4	2.8	.91	.74	.01	0	0	0	0
18	0	0	0	1.1	7.9	.86	.64	.01	0	0	0	0
19	.01	0	0	.85	7.9	1.3	.56	0	0	0	0	0
20	0	0	0	.68	16	1.1	.50	0	0	0	0	0
21	0	0	0	.57	21	1.1	.44	0	0	0	0	0
22	0	0	0	.48	14	17	.40	0	0	0	0	0
23	0	0	0	.39	8.4	26	.46	0	0	0	0	0
24	0	0	0	.33	5.7	13	.39	0	0	0	0	0
25	0	0	0	.28	4.2	6.5	.33	0	0	0	0	0
26	0	0	0	.45	3.2	4.6	.29	0	0	0	0	0
27	0	0	0	.36	3.0	3.7	.29	0	0	0	0	0
28	0	0	0	2.7	6.0	5.6	.37	0	0	0	0	0
29	0	0	0	1.7	-----	3.9	.24	0	0	0	0	0
30	0	0	7.2	1.2	-----	3.2	.20	0	0	0	0	0
31	0	-----	15	.96	-----	2.6	-----	0	-----	0	0	-----
TOTAL	0.01	0	22.2	129.65	114.02	135.37	32.21	1.43	0	0	0	0
MEAN	0	0	.72	4.18	4.07	4.37	1.07	.046	0	0	0	0
MAX	.01	0	15	23	21	26	2.4	.20	0	0	0	0
MIN	0	0	0	.28	.20	.86	.20	0	0	0	0	0
AC-FT	.02	0	44	257	226	269	64	2.8	0	0	0	0
CAL YEAR 2004 TOTAL		138.87	MEAN	.38	MAX	27	MIN	0	AC-FT	275		
WTR YEAR 2005 TOTAL		434.89	MEAN	1.19	MAX	26	MIN	0	AC-FT	863		

FIGURE D-33

HITCHCOCK CREEK - WY 2006

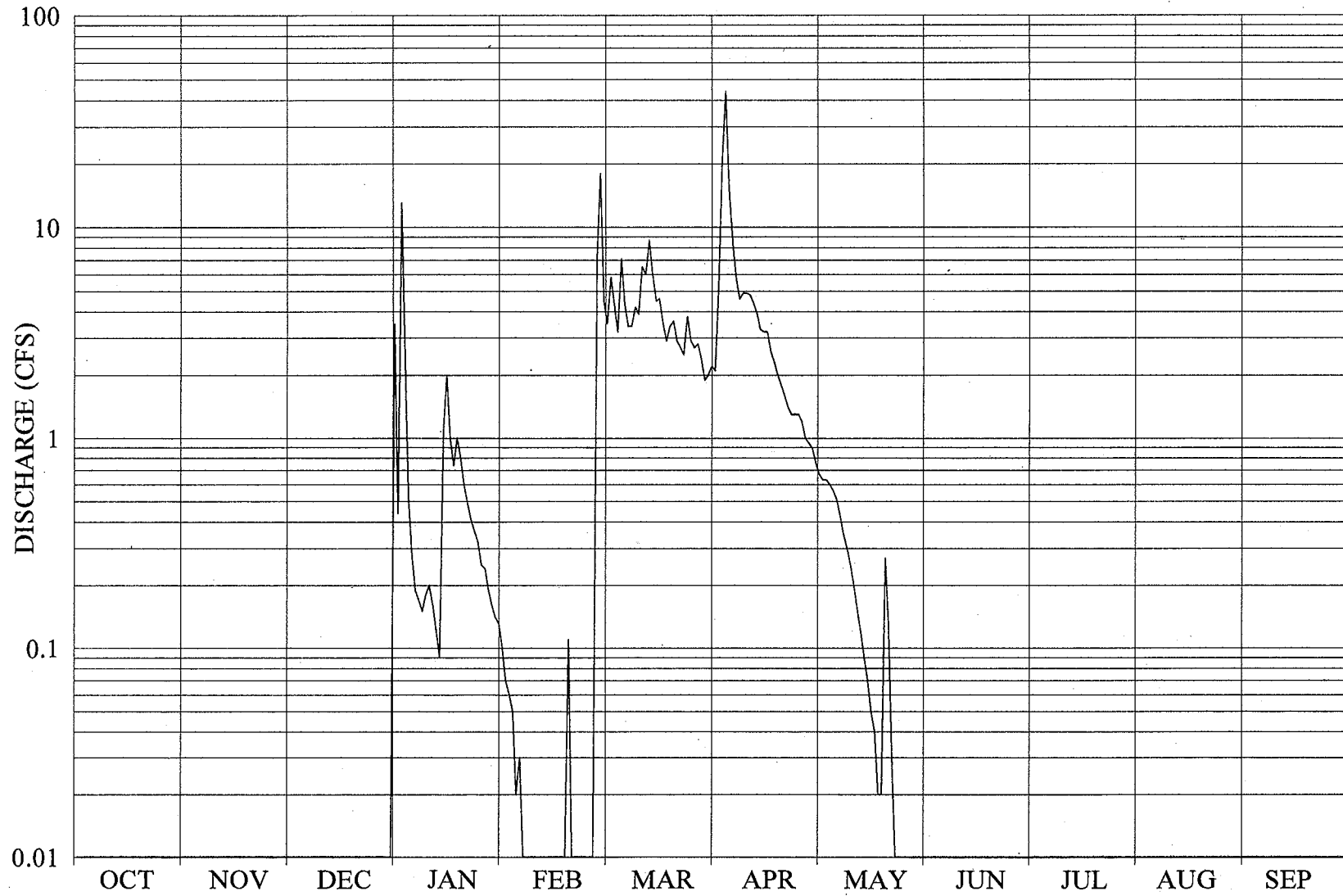


TABLE D-33

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
HITCHCOCK CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2005 TO SEP 2006

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	.44	.07	4.5	2.2	.76	0	0	0	0
2	0	0	0	13	.06	3.5	2.1	.67	0	0	0	0
3	0	0	0	2.5	.05	5.8	5.3	.63	0	0	0	0
4	0	0	0	.52	.02	4.3	21	.63	0	0	0	0
5	0	0	0	.28	.03	3.2	44	.60	0	0	0	0
6	0	0	0	.19	0	7.1	15	.56	0	0	0	0
7	0	0	0	.17	0	4.3	8.3	.51	0	0	0	0
8	0	0	0	.15	0	3.4	5.7	.43	0	0	0	0
9	0	0	0	.18	0	3.4	4.6	.35	0	0	0	0
10	0	0	0	.20	0	4.2	4.9	.30	0	0	0	0
11	0	0	0	.16	0	3.9	4.9	.25	0	0	0	0
12	0	0	0	.12	0	6.5	4.8	.20	0	0	0	0
13	0	0	0	.09	0	6.0	4.4	.15	0	0	0	0
14	0	0	0	1.1	0	8.7	3.9	.12	0	0	0	0
15	0	0	0	2.0	0	6.0	3.3	.09	0	0	0	0
16	0	0	0	.99	0	4.5	3.2	.07	0	0	0	0
17	0	0	0	.74	0	4.6	3.2	.05	0	0	0	0
18	0	0	0	1.0	.01	3.5	2.6	.04	0	0	0	0
19	0	0	0	.79	.11	2.9	2.3	.02	0	0	0	0
20	0	0	0	.59	0	3.4	2.0	.02	0	0	0	0
21	0	0	0	.49	0	3.6	1.8	.27	0	0	0	0
22	0	0	0	.41	0	2.9	1.6	.13	0	0	0	0
23	0	0	0	.36	0	2.7	1.4	.03	0	0	0	0
24	0	0	0	.32	0	2.5	1.3	.01	0	0	0	0
25	0	0	0	.25	0	3.8	1.3	.01	0	0	0	0
26	0	0	0	.24	0	2.9	1.3	.01	0	0	0	0
27	0	0	0	.19	7.2	2.7	1.2	0	0	0	0	0
28	0	0	0	.16	18	2.8	1.0	0	0	0	0	0
29	0	0	0	.14	-----	2.4	.94	.01	0	0	0	0
30	0	0	0	.13	-----	1.9	.89	0	0	0	0	0
31	0	-----	3.5	.10	-----	2.0	-----	0	-----	0	0	-----
TOTAL	0	0	3.5	28.00	25.55	123.9	160.43	6.92	0	0	0	0
MEAN	0	0	.11	.90	.91	4.00	5.35	.22	0	0	0	0
MAX	0	0	3.5	13	18	8.7	44	.76	0	0	0	0
MIN	0	0	0	.09	0	1.9	.89	0	0	0	0	0
AC-FT	0	0	6.9	56	51	246	318	14	0	0	0	0

CAL YEAR 2005	TOTAL	416.18	MEAN	1.14	MAX	26	MIN	0	AC-FT	825
WTR YEAR 2006	TOTAL	348.30	MEAN	.95	MAX	44	MIN	0	AC-FT	691

FIGURE D-34

HITCHCOCK CREEK - WY 2007

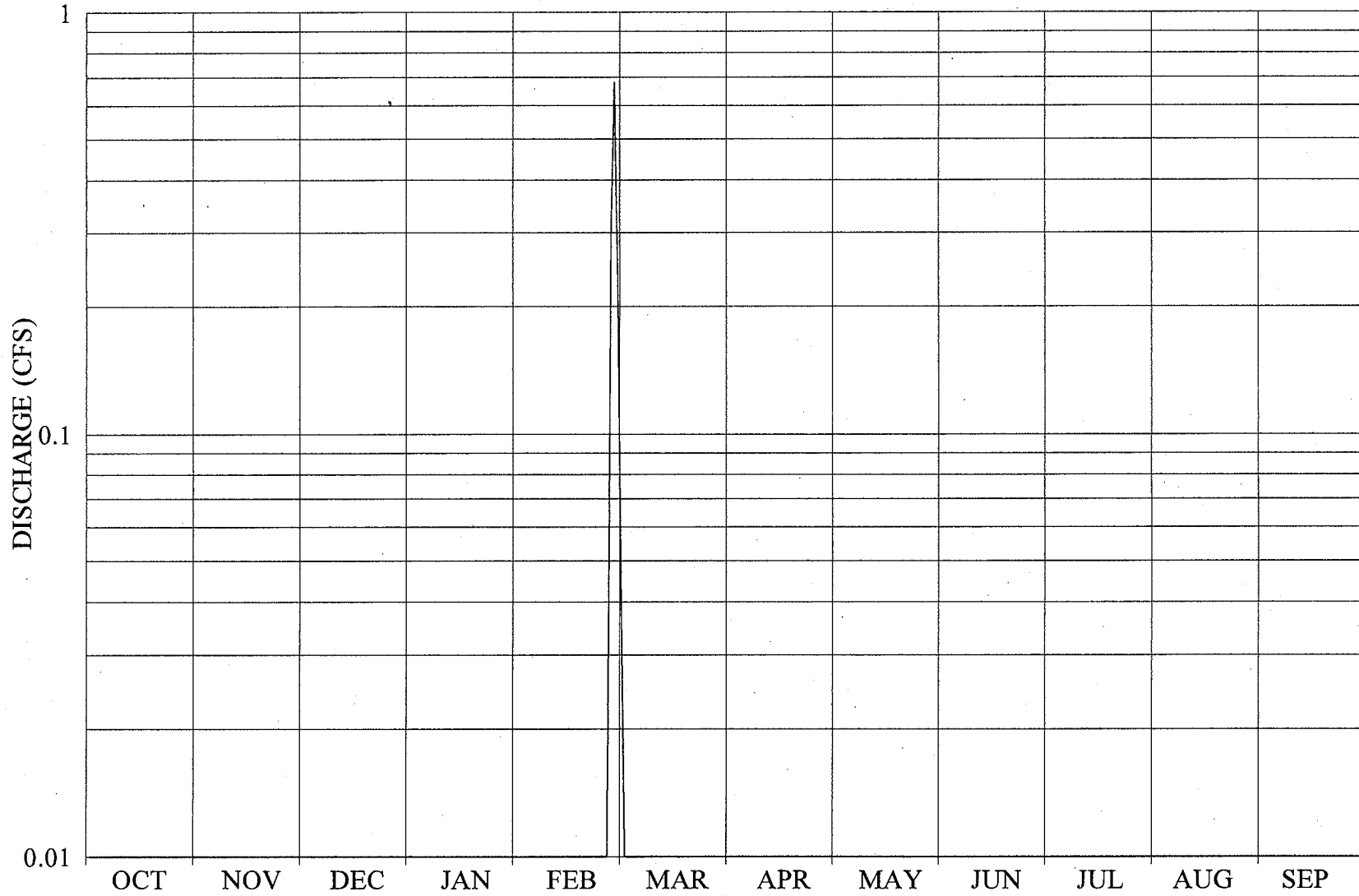


TABLE D-34

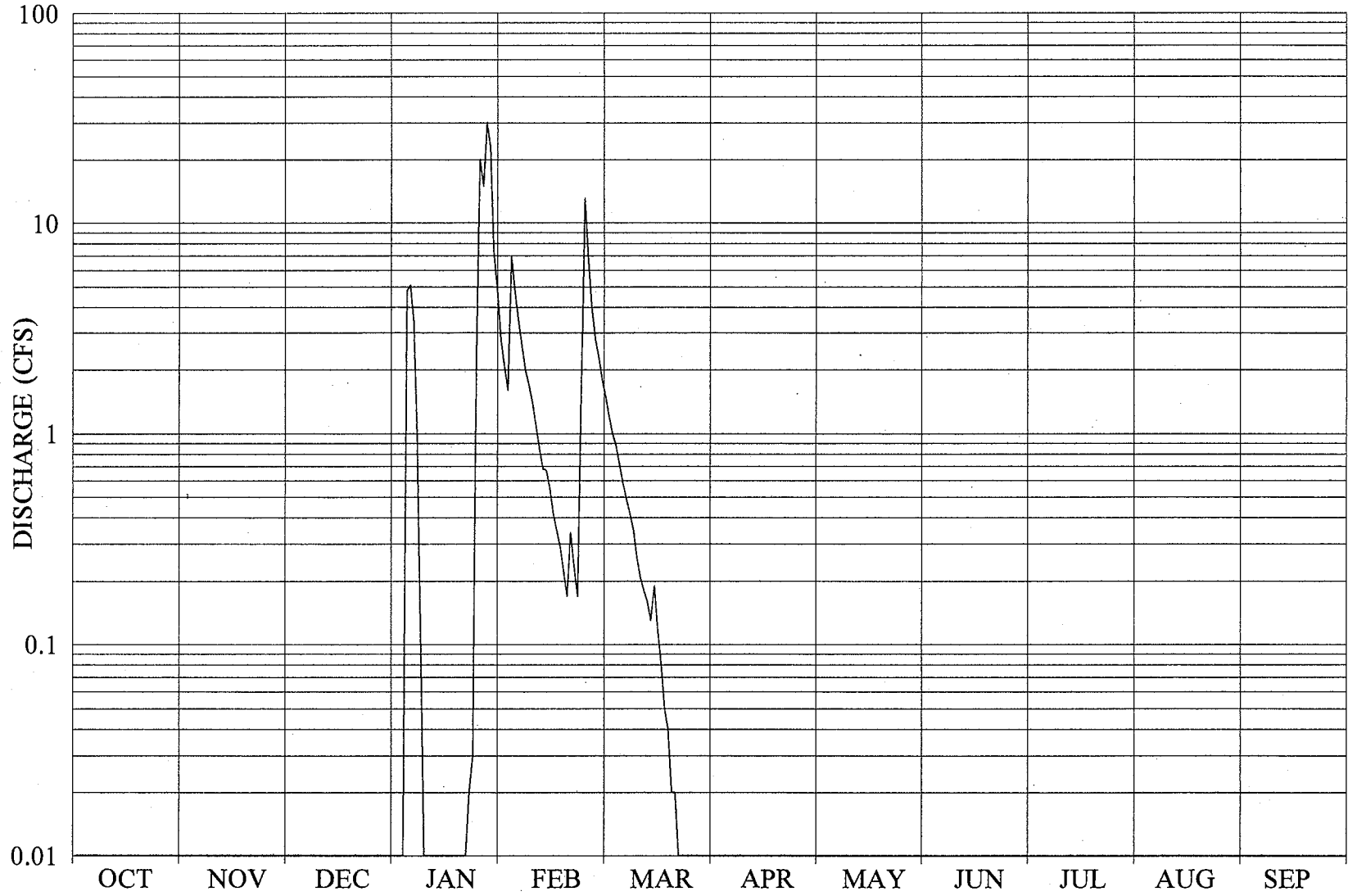
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
HITCHCOCK CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2006 TO SEP 2007

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	.23	0	0	0	0	0	0
2	0	0	0	0	0	.04	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	.29	0	0	0	0	0	0	0
28	0	0	0	0	.68	0	0	0	0	0	0	0
29	0	0	0	0	-----	0	0	0	0	0	0	0
30	0	0	0	0	-----	0	0	0	0	0	0	0
31	0	-----	0	0	-----	0	-----	0	-----	0	0	-----
TOTAL	0	0	0	0	0.97	0.27	0	0	0	0	0	0
MEAN	0	0	0	0	.035	.009	0	0	0	0	0	0
MAX	0	0	0	0	.68	.23	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	1.9	.5	0	0	0	0	0	0
CAL YEAR 2006	TOTAL	344.80	MEAN	.94	MAX	44	MIN	0	AC-FT	684		
WTR YEAR 2007	TOTAL	1.24	MEAN	.003	MAX	.68	MIN	0	AC-FT	2.5		

FIGURE D-35

HITCHCOCK CREEK - WY 2008



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TABLE D-35

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
HITCHCOCK CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2007 TO SEP 2008

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	2.1	1.5	0	0	0	0	0	0
2	0	0	0	0	1.6	1.2	0	0	0	0	0	0
3	0	0	0	0	6.9	1.0	0	0	0	0	0	0
4	0	0	0	4.8 e	4.8	.88	0	0	0	0	0	0
5	0	0	0	5.1 e	3.4	.71	0	0	0	0	0	0
6	0	0	0	3.4 e	2.6	.58	0	0	0	0	0	0
7	0	0	0	1.0 e	2.0	.49	0	0	0	0	0	0
8	0	0	0	.11	1.7	.42	0	0	0	0	0	0
9	0	0	0	.01	1.4	.35	0	0	0	0	0	0
10	0	0	0	0	1.1	.26	0	0	0	0	0	0
11	0	0	0	0	.86	.21	0	0	0	0	0	0
12	0	0	0	0	.68	.18	0	0	0	0	0	0
13	0	0	0	0	.67	.16	0	0	0	0	0	0
14	0	0	0	0	.55	.13	0	0	0	0	0	0
15	0	0	0	0	.42	.19	0	0	0	0	0	0
16	0	0	0	0	.35	.12	0	0	0	0	0	0
17	0	0	0	0	.29	.08	0	0	0	0	0	0
18	0	0	0	0	.22	.05	0	0	0	0	0	0
19	0	0	0	0	.17	.04	0	0	0	0	0	0
20	0	0	0	0	.34	.02	0	0	0	0	0	0
21	0	0	0	0	.23	.02	0	0	0	0	0	0
22	0	0	0	.02	.17	.01	0	0	0	0	0	0
23	0	0	0	.03	1.5	0	0	0	0	0	0	0
24	0	0	0	2.4	13	0	0	0	0	0	0	0
25	0	0	0	20 e	6.8	0	0	0	0	0	0	0
26	0	0	0	15 e	4.0	0	0	0	0	0	0	0
27	0	0	0	30 e	2.8	0	0	0	0	0	0	0
28	0	0	0	23 e	2.3	0	0	0	0	0	0	0
29	0	0	0	7.3 e	1.8	0	0	0	0	0	0	0
30	0	0	0	4.8 e	-----	0	0	0	0	0	0	0
31	0	-----	0	2.8	-----	0	-----	0	-----	0	0	-----
TOTAL	0	0	0	119.77	64.75	8.60	0	0	0	0	0	0
MEAN	0	0	0	3.86	2.23	.28	0	0	0	0	0	0
MAX	0	0	0	30	13	1.5	0	0	0	0	0	0
MIN	0	0	0	0	.17	0	0	0	0	0	0	0
AC-FT	0	0	0	238	128	17	0	0	0	0	0	0

CAL YEAR 2007	TOTAL	1.24	MEAN	.003	MAX	.68	MIN	0	AC-FT	2.5
WTR YEAR 2008	TOTAL	193.12	MEAN	.53	MAX	30	MIN	0	AC-FT	383

FIGURE D-36

GARZAS CREEK NEAR LOWER GARZAS CANYON - WY 2004

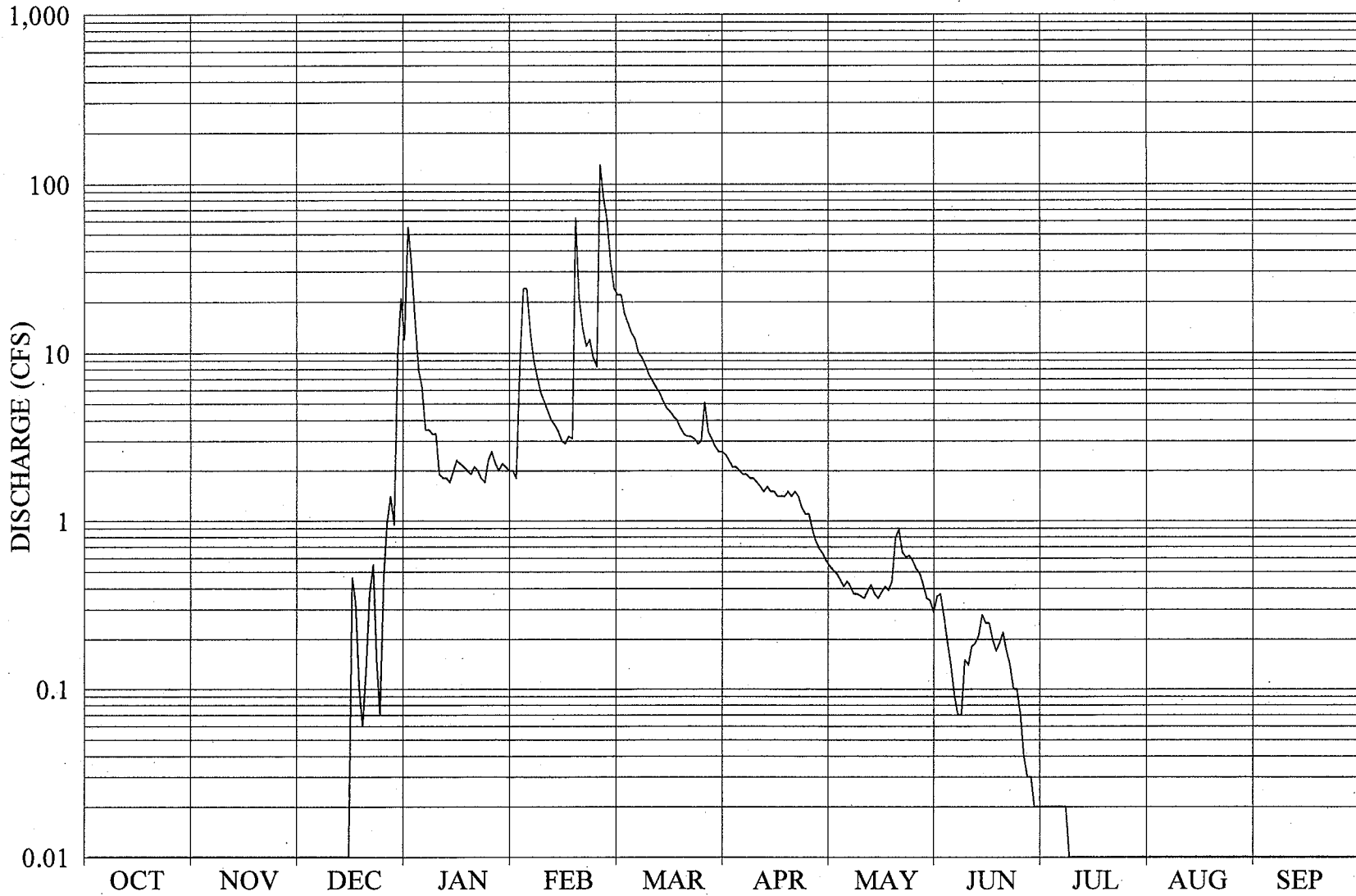


TABLE D-36

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
GARZAS CREEK NEAR LOWER GARZAS CANYON

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2003 TO SEP 2004

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	55	1.8	22	2.5	.54	.36	.02	0	0
2	0	0	0	33	8.9	22	2.3	.51	.37	.02	0	0
3	0	0	0	16	24	17	2.1	.49	.27	.02	0	0
4	0	0	0	7.9	24	15	2.1	.45	.19	.02	0	0
5	0	0	0	6.2	13	13	2.0	.41	.14	.02	0	0
6	0	0	0	3.5	8.9	12	1.9	.44	.09	.02	0	0
7	0	0	0	3.5	7.1	10	1.9	.41	.07	.02	0	0
8	0	0	0	3.3	5.8	9.4	1.8	.37	.07	.02	0	0
9	0	0	0	3.3	5.1	8.4	1.8	.37	.15	.01	0	0
10	0	0	0	1.9	4.5	7.4	1.7	.36	.14	.01e	0	0
11	0	0	0	1.8	4.0	6.8	1.6	.35	.18	.01	0	0
12	0	0	0	1.8	3.7	6.2	1.5	.39	.19	.01	0	0
13	0	0	0	1.7	3.4	5.8	1.6	.42	.21	.01	0	0
14	0	0	0	2.0	3.0	5.2	1.5	.37	.28	.01	0	0
15	0	0	0	2.3	2.9	4.7	1.5	.35	.25	.01	0	0
16	0	0	.46	2.2	3.2	4.5	1.4	.38	.25	.01	0	0
17	0	0	.33	2.1	3.1	4.2	1.4	.41	.20	.01	0	0
18	0	0	.10	2.0	63	4.0	1.4	.39	.17	0	0	0
19	0	0	.06	1.9	21	3.6	1.5	.44	.19	0	0	0
20	0	0	.13	2.1	14	3.3	1.4	.79	.22	0	0	0
21	0	0	.37	2.0	11	3.2	1.5	.89	.17	0	0	0
22	0	0	.55	1.8	12	3.2	1.4	.65	.14	0	0	0
23	0	0	.15	1.7	9.4	3.1	1.2	.61	.10	0	0	0
24	0	0	.07	2.3	8.3	2.9	1.1	.62	.10	0	0	0
25	0	0	.47	2.6	130 e	3.0	1.1	.58	.07	0	0	0
26	0	0	.97	2.2	83 e	5.1	.89	.52	.04	0	0	0
27	0	0	1.4	2.0	60 e	3.4	.76	.49	.03	0	0	0
28	0	0	.95	2.2	34	3.1	.68	.42	.03	0	0	0
29	0	0	9.7 e	2.1	24	2.8	.64	.35	.02	0	0	0
30	0	0	21 e	2.0	-----	2.6	.58	.34	.02	0	0	0
31	0	-----	12	2.0	-----	2.6	-----	.29	-----	0	0	-----
TOTAL	0	0	48.71	176.4	596.1	219.5	44.75	14.40	4.71	0.25	0	0
MEAN	0	0	1.57	5.69	20.6	7.08	1.49	.46	.16	.008	0	0
MAX	0	0	21	55	130	22	2.5	.89	.37	.02	0	0
MIN	0	0	0	1.7	1.8	2.6	.58	.29	.02	0	0	0
AC-FT	0	0	97	350	1,180	435	89	29	9.3	.5	0	0
CAL YEAR 2003 TOTAL		986.55	MEAN	2.70	MAX	42	MIN	0	AC-FT	1,960		
WTR YEAR 2004 TOTAL		1,104.82	MEAN	3.02	MAX	130	MIN	0	AC-FT	2,190		

e - Estimated value based on computed discharge at the Garzas Creek at Garzas Road gaging station located 0.7 miles downstream.

FIGURE D-37

GARZAS CREEK NEAR LOWER GARZAS CANYON - WY 2005

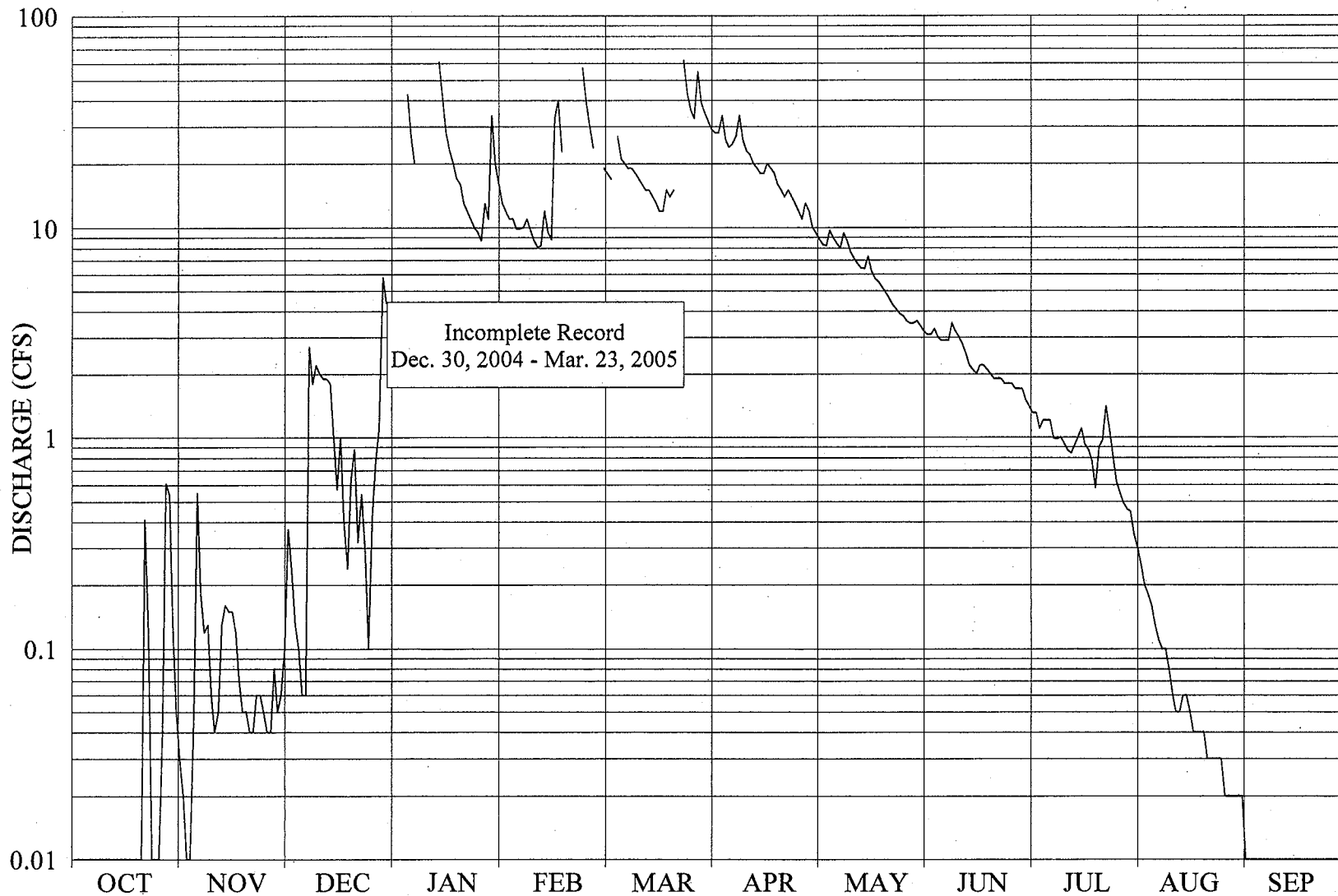


TABLE D-37

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
GARZAS CREEK NEAR LOWER GARZAS CANYON

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2004 TO SEP 2005

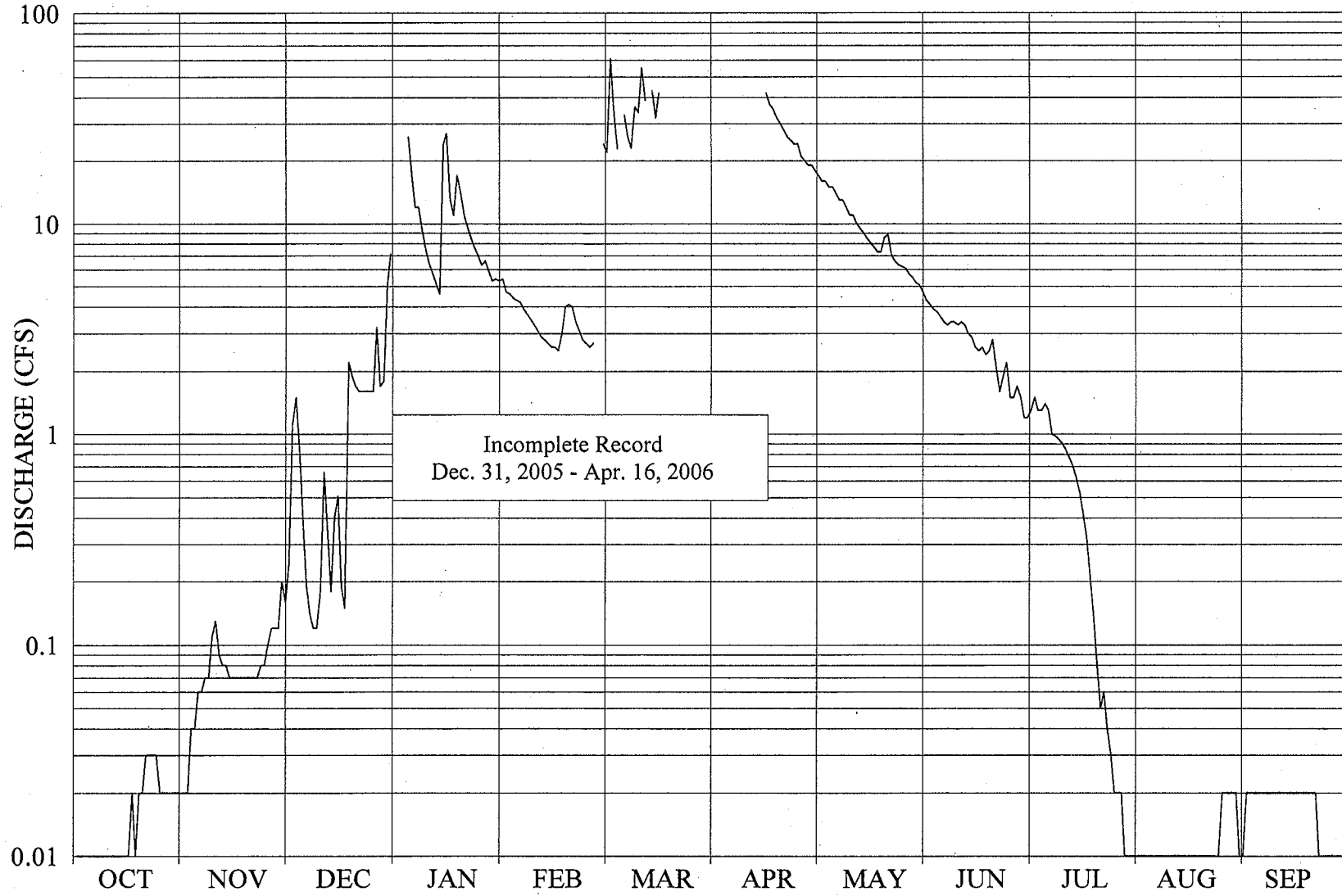
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	.02	.37	r	12	19	29	9.4	3.2	1.4	.30	.01
2	0	.01	.24	r	11	18	28	8.8	3.1	1.3	.25	.01
3	0	.01	.13	r	11	17	28	8.3	3.1	1.3	.20	.01
4	0	.05	.10	43	9.9	r	34	8.2	3.3	1.1	.18	.01
5	0	.55	.06	27	9.9	27	26	9.7	3.0	1.2	.16	.01
6	0	.18	.06	20	10	21	24	8.9	2.9	1.2	.13	.01
7	0	.12	2.7	r	11	20	25	8.4	2.9	1.2	.11	.01
8	0	.13	1.8	r	9.8	19	27	8.0	2.9	.99	.10	.01
9	0	.06	2.2	r	8.7	19	34	9.4	3.5	.98	.10	.01
10	0	.04	2.0	r	8.1	18	26	8.6	3.2	1.0	.08	.01
11	0	.05	1.9	r	8.2	17	23	7.6	3.0	.93	.06	.01
12	0	.13	1.9	r	12	16	22	7.1	2.8	.87	.05	.01
13	0	.16	1.8	61	9.5	15	20	6.7	2.5	.84	.05	.01
14	0	.15	1.0	40	8.8	15	19	6.4	2.2	.91	.06	.01
15	0	.15	.57	28	33	14	18	6.4	2.1	1.0	.06	.01
16	0	.12	1.0	23	40	13	18	7.3	2.0	1.1	.05	.01
17	0	.07	.40	20	23	12	20	6.2	2.2	.92	.04	.01
18	0	.05	.24	17	r	12	19	5.7	2.2	.87	.04	.01
19	0	.05	.64	16	r	15	18	5.5	2.1	.77	.04	.01
20	0	.04	.88	13	r	14	16	5.2	2.0	.58	.04	.01
21	.41	.04	.32	12	r	15	15	4.9	1.9	.90	.03	.01
22	.11	.06	.54	11	r	r	14	4.6	1.9	.97	.03	0
23	0	.06	.29	10	57	r	15	4.3	1.9	1.4	.03	0
24	0	.05	.10	9.5	39	62	14	4.1	1.8	1.1	.03	0
25	0	.04	.42	8.7	30	43	13	3.9	1.8	.81	.03	0
26	.04	.04	.77	13	24	36	12	3.8	1.8	.62	.02	0
27	.61	.08	1.1	11	r	33	11	3.6	1.7	.55	.02	0
28	.54	.05	5.8	34	r	55	13	3.5	1.7	.49	.02	0
29	.12	.06	4.4	20	-----	39	12	3.5	1.7	.46	.02	0
30	.05	.10	r	16	-----	35	10	3.6	1.5	.45	.02	0
31	.03	-----	r	13	-----	32	-----	3.4	-----	.35	.02	-----
TOTAL	1.91	2.72	33.73	466.2	385.9	671	603	195.0	71.9	28.56	2.37	0.21
MEAN	.062	.091	1.16	21.2	18.4	24.0	20.1	6.29	2.40	.92	.076	.007
MAX	.61	.55	5.8	61	57	62	34	9.7	3.5	1.4	.30	.01
MIN	0	.01	.06	8.7	8.1	12	10	3.4	1.5	.35	.02	0
AC-FT	3.8	5.4	67	925	765	1,330	1,200	387	143	57	4.7	.4
			*	*	*	*						
CAL YEAR 2004	TOTAL*	1,094.47	MEAN	3.01	MAX	130	MIN	0	AC-FT	2,170		
WTR YEAR 2005	TOTAL*	2,462.50	MEAN	7.16	MAX	62	MIN	0	AC-FT	4,880		

* Incomplete Record

r - Stage above the limits of the station rating, no discharge computed.

FIGURE D-38

GARZAS CREEK NEAR LOWER GARZAS CANYON - WY 2006



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TABLE D-38

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
GARZAS CREEK NEAR LOWER GARZAS CANYON

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2005 TO SEP 2006

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	.02	.24	51	4.7	24	m	18	4.7	1.2	.01	.01
2	0	.02	1.1	r	4.6	22	m	17	4.3	1.3	.01	.02
3	0	.04	1.5	r	4.4	61	m	16	4.1	1.5	.01	.02
4	0	.04	.84	26	4.3	34	m	16	3.9	1.3	.01	.02
5	0	.06	.40	17	4.2	23	m	15	3.8	1.3	.01	.02
6	0	.06	.19	12	3.9	r	m	15	3.6	1.4	.01	.02
7	0	.07	.14	12	3.7	33	m	14	3.4	1.3	.01	.02
8	0	.07	.12	9.2	3.5	26	m	13	3.3	1.0	.01	.02
9	0	.11	.12	7.5	3.3	23	m	13	3.4	.98	.01	.02
10	0	.13	.18	6.4	3.1	36	m	12	3.4	.94	0	.02
11	0	.09	.66	5.7	2.9	34	m	11	3.3	.90	0	.02
12	0	.08	.36	5.1	2.8	55	m	11	3.4	.84	.01	.02
13	0	.08	.18	4.6	2.7	39	m	10	3.3	.77	.01	.02
14	0	.07	.40	24	2.6	r	m	9.5	3.0	.71	.01	.02
15	.01	.07	.51	27	2.6	43	m	9.0	2.9	.62	.01	.02
16	.01	.07	.19	13	2.5	32	m	8.5	2.6	.53	.01	.02
17	.02	.07	.15	11	3.0	42	42	8.1	2.5	.42	.01	.02
18	.01	.07	2.2	17	4.0	m	37	7.7	2.6	.32	.01	.02
19	.02	.07	1.9	14	4.1	m	35	7.3	2.4	.21	.01	.02
20	.02	.07	1.7	11	4.0	m	32	7.3	2.5	.14	.01	.02
21	.03	.07	1.6	9.6	3.4	m	30	8.6	2.8	.08	.01	.02
22	.03	.07	1.6	8.5	3.1	m	28	8.9	2.1	.05	.01	.02
23	.03	.08	1.6	7.6	2.8	m	26	7.1	1.6	.06	.01	.01
24	.03	.08	1.6	7.0	2.7	m	25	6.6	1.9	.04	.01	.01
25	.02	.10	1.6	6.3	2.6	m	24	6.3	2.2	.03	.01	.01
26	.02	.12	3.2	6.6	2.7	m	24	6.2	1.5	.02	.02	.01
27	.02	.12	1.7	5.9	r	m	21	6.1	1.5	.02	.02	.01
28	.02	.12	1.8	5.3	r	m	20	5.7	1.7	.02	.02	.01
29	.02	.20	5.0	5.4	-----	m	19	5.5	1.5	.01	.02	.01
30	.02	.16	7.1	5.3	-----	m	19	5.2	1.2	.01	.02	.01
31	.02	-----	r	5.4	-----	m	-----	5.1	-----	.01	.01	-----
TOTAL	0.35	2.48	39.88	346.4	88.2	527	382	309.7	84.4	18.03	0.34	0.51
MEAN	.011	.083	1.33	11.9	3.39	35.1	27.3	9.99	2.81	.58	.011	.017
MAX	.03	.20	7.1	51	4.7	61	42	18	4.7	1.5	.02	.02
MIN	0	.02	.12	4.6	2.5	22	19	5.1	1.2	.01	0	.01
AC-FT	.7	4.9	79	687	175	1,050	758	614	167	36	.7	1.0
			*	*	*	*	*					
CAL YEAR 2005	TOTAL*	2,466.75	MEAN	6.78	MAX	62	MIN	0	AC-FT	4,890		
WTR YEAR 2006	TOTAL*	1,799.29	MEAN	5.49	MAX	61	MIN	0	AC-FT	3,570		

* Incomplete Record

r - Stage above the limits of the station rating, no discharge computed.

m - Missing record due to insufficient field discharge measurements.

FIGURE D-39

GARZAS CREEK NEAR LOWER GARZAS CANYON - WY 2007

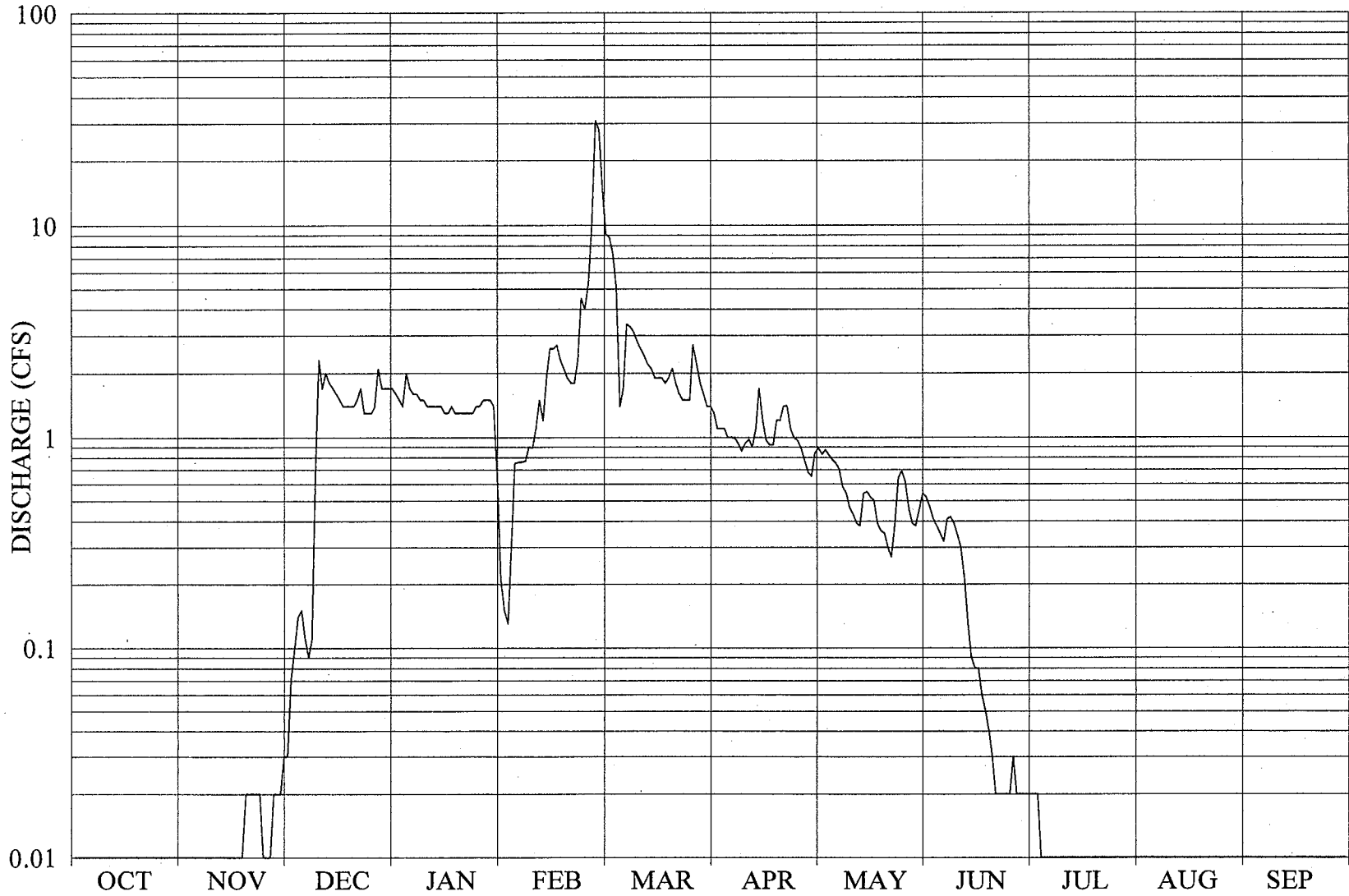


TABLE D-39

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
GARZAS CREEK NEAR LOWER GARZAS CANYON

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2006 TO SEP 2007

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	.01	.03	1.6	.15	15	1.4	.84	.54	.02	0	0
2	.01	0	.07	1.5	.13	9.1	1.3	.89	.52	.02	0	0
3	.01	0	.10	1.4	.31	8.8	1.1	.83	.47	.02	0	0
4	.01	.01	.14	2.0	.75	7.4	1.1	.87	.41	.02	0	0
5	.01	0	.15	1.7	.76	5.1	1.1	.82	.38	.01	0	0
6	.01	0	.11	1.6	.76	1.4	1.0	.78	.35	.01	0	0
7	.01	.01	.09	1.6	.77	1.7	1.0	.75	.32	.01	0	0
8	.01	.01	.11	1.5	.90	3.4	.99	.70	.41	.01	0	0
9	.01	.01	.66	1.5	.89	3.3	.93	.58	.42	.01	0	0
10	.01	.01	2.3	1.4	1.1	3.1	.86	.54	.39	.01	0	0
11	.01	.01	1.7	1.4	1.5	2.8	.94	.46	.34	0	0	0
12	.01	.01	2.0	1.4	1.2	2.6	.98	.43	.30	0	0	0
13	0	.01	1.8	1.4	1.9	2.4	.90	.39	.21	0	0	0
14	0	0	1.7	1.4	2.6	2.2	1.1	.38	.13	0	0	0
15	0	0	1.6	1.3	2.6	2.1	1.7	.54	.09	0	0	0
16	0	.01	1.5	1.3	2.7	1.9	1.2	.55	.08	0	0	0
17	0	.01	1.4	1.4	2.3	1.9	.97	.52	.08	0	0	0
18	0	.01	1.4	1.3	2.1	1.9	.92	.50	.06	0	0	0
19	0	.02	1.4	1.3	1.9	1.8	.92	.39	.05	.01	0	0
20	0	.02	1.4	1.3	1.8	1.9	1.2	.36	.04	.01	0	0
21	0	.02	1.5	1.3	1.8	2.1	1.2	.35	.03	.01	0	0
22	0	.02	1.7	1.3	2.3	1.8	1.4	.30	.02	.01	0	0
23	0	.02	1.3	1.3	4.5	1.6	1.4	.27	.02	.01	0	0
24	0	.01	1.3	1.4	4.0	1.5	1.1	.38	.02	.01	0	0
25	0	.01	1.3	1.4	5.3	1.5	1.0	.64	.02	.01	0	0
26	0	.01	1.4	1.5	10	1.5	.97	.69	.02	.01	0	0
27	0	.02	2.1	1.5	31	2.7	.89	.62	.03	.01	0	0
28	0	.02	1.7	1.5	28	2.2	.78	.46	.02	.01	0	0
29	0	.02	1.7	1.4	-----	1.8	.68	.39	.02	0	0	0
30	0	.03	1.7	.64	-----	1.6	.65	.38	.02	0	0	0
31	0	-----	1.7	.21	-----	1.4	-----	.45	-----	0	0	-----
TOTAL	0.12	0.34	37.06	42.75	114.02	99.5	31.68	17.05	5.81	0.24	0	0
MEAN	.004	.011	1.20	1.38	4.07	3.21	1.06	.55	.19	.008	0	0
MAX	.01	.03	2.3	2.0	31	15	1.7	.89	.54	.02	0	0
MIN	0	0	.03	.21	.13	1.4	.65	.27	.02	0	0	0
AC-FT	.2	.7	74	85	226	197	63	34	12	.5	0	0
CAL YEAR 2006	TOTAL	144.54	MEAN	.40	MAX	4.7	MIN	0	AC-FT	287		
WTR YEAR 2007	TOTAL	348.57	MEAN	.95	MAX	31	MIN	0	AC-FT	691		

FIGURE D-40

GARZAS CREEK NEAR LOWER GARZAS CANYON - WY 2008

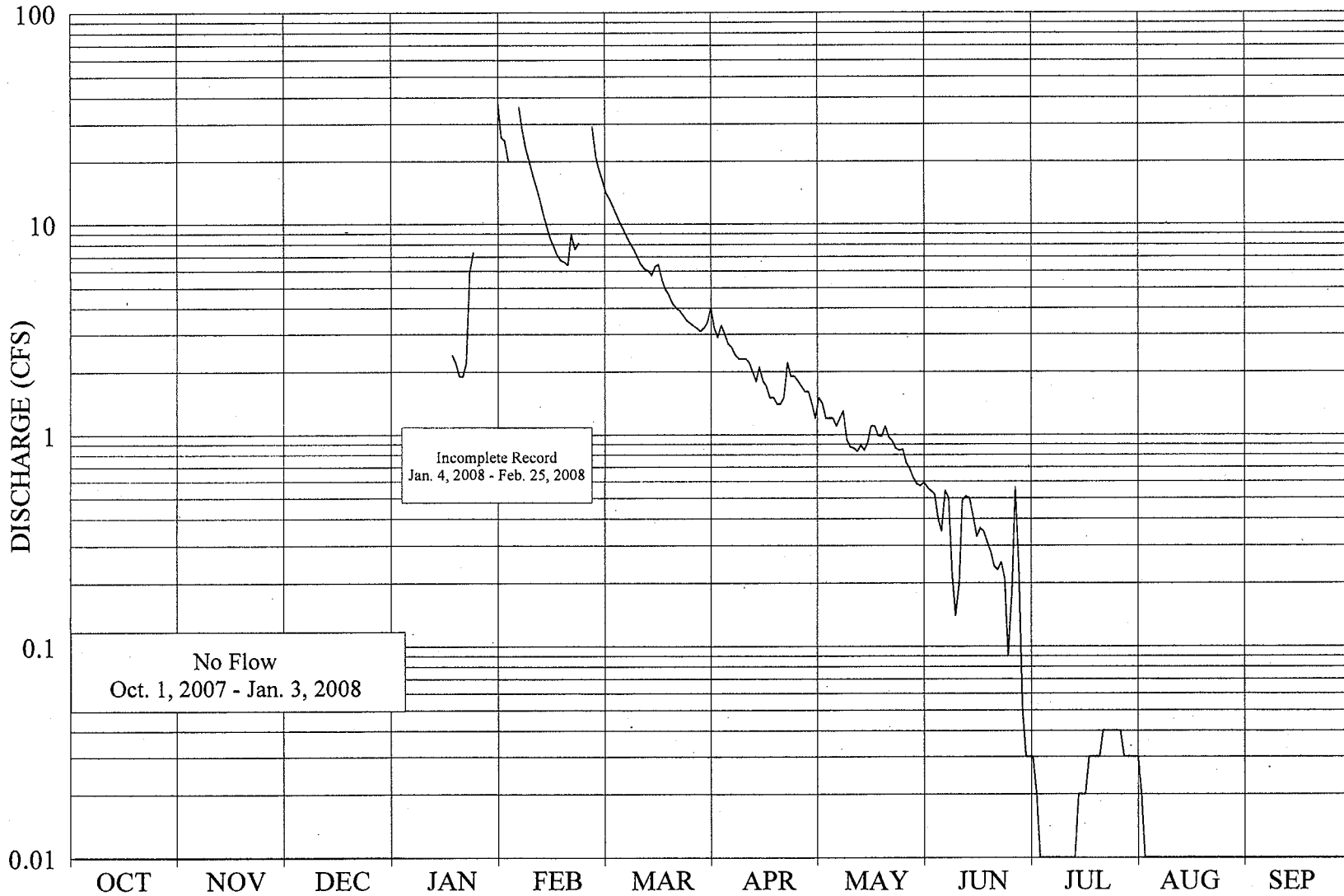


TABLE D-40

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
GARZAS CREEK NEAR LOWER GARZAS CANYON

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2007 TO SEP 2008

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	25	14	3.2	1.5	.56	.03	.02	0
2	0	0	0	0	20	13	2.9	1.4	.54	.02	.01	0
3	0	0	0	0	r	12	3.3	1.2	.52	.01	.01	0
4	0	0	0	r	r	11	3.0	1.2	.40	.01	.01	0
5	0	0	0	r	36	10	2.7	1.2	.35	.01	.01	0
6	0	0	0	r	28	9.3	2.6	1.1	.54	.01	0	0
7	0	0	0	m	23	8.6	2.4	1.2	.50	.01	0	0
8	0	0	0	m	20	8.0	2.3	1.3	.22	.01	0	0
9	0	0	0	m	17	7.5	2.3	.94	.14	.01	0	0
10	0	0	0	m	15	6.9	2.3	.87	.20	.01	0	0
11	0	0	0	m	13	6.4	2.2	.86	.49	.01	0	0
12	0	0	0	m	11	6.1	2.0	.83	.51	.01	0	0
13	0	0	0	m	9.6	6.0	1.8	.89	.50	.01	0	0
14	0	0	0	m	8.5	5.7	2.1	.84	.41	.02	0	0
15	0	0	0	m	7.8	6.3	1.8	.91	.33	.02	0	0
16	0	0	0	m	7.1	6.4	1.7	1.1	.36	.02	0	0
17	0	0	0	2.4	6.7	5.4	1.5	1.1	.35	.03	0	0
18	0	0	0	2.2	6.6	4.9	1.5	.99	.31	.03	0	0
19	0	0	0	1.9	6.4	4.6	1.4	.98	.28	.03	0	0
20	0	0	0	1.9	8.9	4.2	1.4	1.1	.24	.03	0	0
21	0	0	0	2.2	7.6	4.0	1.5	.97	.23	.04	0	0
22	0	0	0	5.9	8.1	3.9	2.2	.93	.25	.04	0	0
23	0	0	0	7.3	r	3.7	1.9	.86	.21	.04	0	0
24	0	0	0	r	r	3.5	1.9	.84	.09	.04	0	0
25	0	0	0	r	r	3.4	1.8	.85	.18	.04	0	0
26	0	0	0	r	29	3.3	1.7	.73	.56	.04	0	0
27	0	0	0	r	21	3.2	1.6	.68	.24	.03	0	0
28	0	0	0	r	18	3.1	1.6	.62	.05	.03	0	0
29	0	0	0	r	16	3.2	1.4	.58	.03	.03	0	0
30	0	0	0	38	-----	3.4	1.2	.57	.03	.03	0	0
31	0	-----	0	26	-----	4.0	-----	.59	-----	.03	0	-----
TOTAL	0	0	0	87.8	369.3	195.0	61.2	29.73	9.62	0.73	0.06	0
MEAN	0	0	0	7.32	15.4	6.29	2.04	.96	.32	.024	.002	0
MAX	0	0	0	38	36	14	3.3	1.5	.56	.04	.02	0
MIN	0	0	0	0	6.4	3.1	1.2	.57	.03	.01	0	0
AC-FT	0	0	0	174	733	387	121	59	19	1.4	.1	0

CAL YEAR 2007	TOTAL	311.05	MEAN	.85	MAX	31	MIN	0	AC-FT	617
WTR YEAR 2008	TOTAL*	753.44	MEAN	2.20	MAX	38	MIN	0	AC-FT	1,490

* Incomplete Record
r - Stage above the limits of the station rating, no discharge computed.
m - Missing record due to insufficient field discharge measurements.

FIGURE D-41

GARZAS CREEK AT GARZAS ROAD - WY 2004

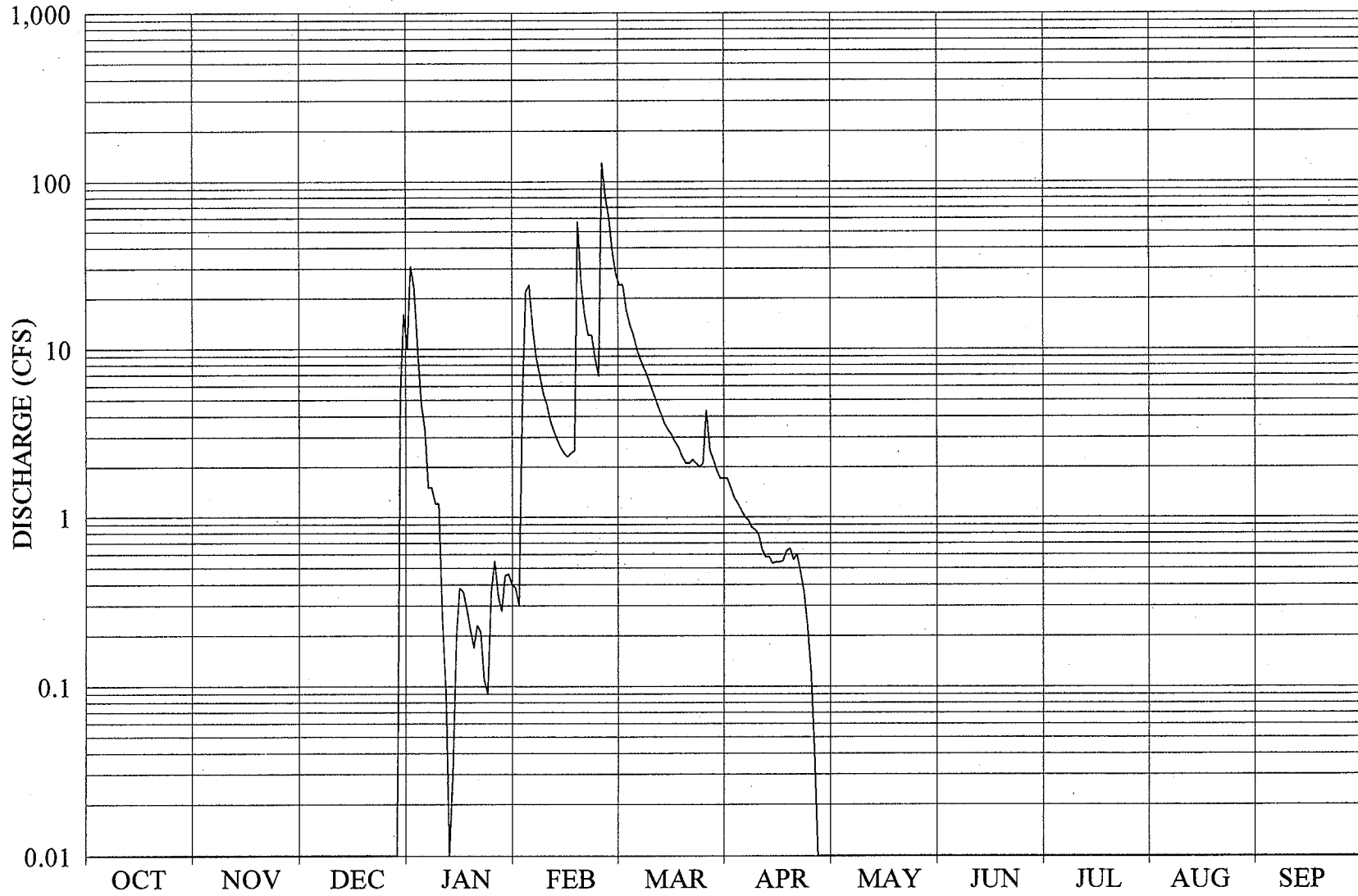


TABLE D-41

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
GARZAS CREEK AT GARZAS ROAD

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2003 TO SEP 2004

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	31	.30	24	1.7	0	0	0	0	0
2	0	0	0	23	5.2	24	1.5	0	0	0	0	0
3	0	0	0	10	22	17	1.3	0	0	0	0	0
4	0	0	0	4.7	24	14	1.2	0	0	0	0	0
5	0	0	0	3.4	13	12	1.1	0	0	0	0	0
6	0	0	0	1.5	8.8	10	1.0	0	0	0	0	0
7	0	0	0	1.5	7.0	8.7	.96	0	0	0	0	0
8	0	0	0	1.2	5.5	7.7	.87	0	0	0	0	0
9	0	0	0	1.2	4.7	6.9	.84	0	0	0	0	0
10	0	0	0	.26	3.8	6.0	.78	0	0	0	0	0
11	0	0	0	.09	3.3	5.3	.64	0	0	0	0	0
12	0	0	0	0	2.9	4.6	.58	0	0	0	0	0
13	0	0	0	.03	2.6	4.1	.58	0	0	0	0	0
14	0	0	0	.20	2.4	3.6	.53	0	0	0	0	0
15	0	0	0	.38	2.3	3.3	.54	0	0	0	0	0
16	0	0	0	.36	2.4	3.1	.54	0	0	0	0	0
17	0	0	0	.29	2.5	2.8	.55	0	0	0	0	0
18	0	0	0	.22	57	2.6	.63	0	0	0	0	0
19	0	0	0	.17	25	2.3	.65	0	0	0	0	0
20	0	0	0	.23	16	2.1	.56	0	0	0	0	0
21	0	0	0	.21	12	2.1	.60	0	0	0	0	0
22	0	0	0	.11	12	2.2	.47	0	0	0	0	0
23	0	0	0	.09	8.8	2.1	.36	0	0	0	0	0
24	0	0	0	.36	6.9	2.0	.23	0	0	0	0	0
25	0	0	0	.55	130	2.1	.12	0	0	0	0	0
26	0	0	0	.34	83	4.3	.04	0	0	0	0	0
27	0	0	0	.28	60	2.5	0	0	0	0	0	0
28	0	0	0	.45	38	2.2	0	0	0	0	0	0
29	0	0	5.2	.46	28	1.9	0	0	0	0	0	0
30	0	0	16	.40	-----	1.7	0	0	0	0	0	0
31	0	-----	10	.38	-----	1.7	-----	0	-----	0	0	-----
TOTAL	0	0	31.2	83.36	589.40	188.9	18.87	0	0	0	0	0
MEAN	0	0	1.01	2.69	20.3	6.09	.63	0	0	0	0	0
MAX	0	0	16	31	130	24	1.7	0	0	0	0	0
MIN	0	0	0	0	.30	1.7	0	0	0	0	0	0
AC-FT	0	0	62	165	1,170	375	37	0	0	0	0	0

CAL YEAR 2003	TOTAL	764.63	MEAN	2.09	MAX	42	MIN	0	AC-FT	1,520
WTR YEAR 2004	TOTAL	911.73	MEAN	2.49	MAX	130	MIN	0	AC-FT	1,810

FIGURE D-42

GARZAS CREEK AT GARZAS ROAD - WY 2005

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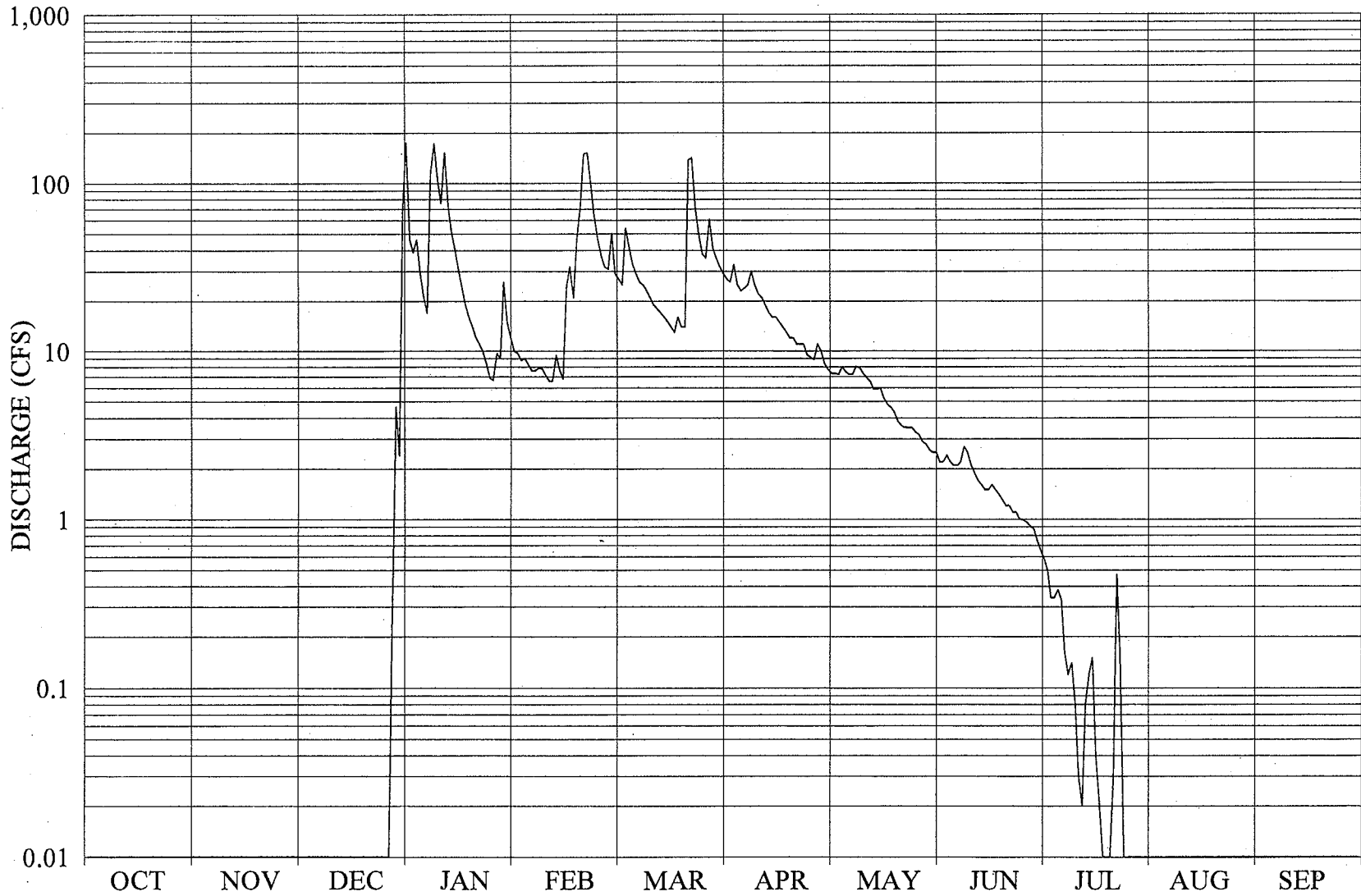


TABLE D-42

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
GARZAS CREEK AT GARZAS ROAD

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2004 TO SEP 2005

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	46	9.7	29	29	7.7	2.5	.66	0	0
2	0	0	0	39	8.8	27	27	7.3	2.2	.59	0	0
3	0	0	0	46	9.0	25	26	7.3	2.2	.50	0	0
4	0	0	0	29	8.3	54	33	7.2	2.4	.34	0	0
5	0	0	0	21	7.6	42	25	8.0	2.2	.34	0	0
6	0	0	0	17	7.6	33	23	7.5	2.1	.38	0	0
7	0	0	0	113	7.9	29	24	7.2	2.1	.33	0	0
8	0	0	0	173	7.8	26	25	7.2	2.2	.16	0	0
9	0	0	0	105	7.1	25	30	8.0	2.7	.12	0	0
10	0	0	0	76	6.6	23	25	7.9	2.5	.14	0	0
11	0	0	0	153	6.6	21	22	7.3	2.1	.08	0	0
12	0	0	0	74	9.4	19	21	6.9	1.9	.03	0	0
13	0	0	0	51	7.7	18	19	6.6	1.7	.02	0	0
14	0	0	0	40	6.8	17	17	5.9	1.6	.08	0	0
15	0	0	0	31	24	16	16	5.9	1.5	.12	0	0
16	0	0	0	24	32	15	16	6.0	1.5	.15	0	0
17	0	0	0	19	21	14	15	5.2	1.6	.04	0	0
18	0	0	0	16	46	13	14	4.8	1.5	.02	0	0
19	0	0	0	14	71	16	13	4.6	1.4	0	0	0
20	0	0	0	12	150	14	12	4.3	1.3	0	0	0
21	0	0	0	11	152	14	12	3.8	1.2	.01	0	0
22	0	0	0	10	99	138	11	3.6	1.2	.03	0	0
23	0	0	0	8.4	64	142	11	3.5	1.1	.47	0	0
24	0	0	0	6.9	46	72	11	3.5	1.1	.15	0	0
25	0	0	0	6.7	37	49	9.5	3.5	1.0	0	0	0
26	0	0	0	9.6	32	38	9.1	3.3	.99	0	0	0
27	0	0	.27	9.0	31	36	8.9	3.2	.96	0	0	0
28	0	0	4.6	26	50	61	11	2.9	.91	0	0	0
29	0	0	2.4	15	-----	41	9.9	2.8	.88	0	0	0
30	0	0	68	12	-----	36	8.3	2.6	.75	0	0	0
31	0	-----	175	10	-----	32	-----	2.5	-----	0	0	-----
TOTAL	0	0	250.27	1,223.6	965.9	1,135	533.7	168.0	49.29	4.76	0	0
MEAN	0	0	8.07	39.5	34.5	36.6	17.8	5.42	1.64	.15	0	0
MAX	0	0	175	173	152	142	33	8.0	2.7	.66	0	0
MIN	0	0	0	6.7	6.6	13	8.3	2.5	.75	0	0	0
AC-FT	0	0	496	2,430	1,920	2,250	1,060	333	98	9.4	0	0

CAL YEAR 2004	TOTAL	1,130.80	MEAN	3.09	MAX	175	MIN	0	AC-FT	2,240
WTR YEAR 2005	TOTAL	4,330.52	MEAN	11.9	MAX	175	MIN	0	AC-FT	8,590

FIGURE D-43

GARZAS CREEK AT GARZAS ROAD - WY 2006

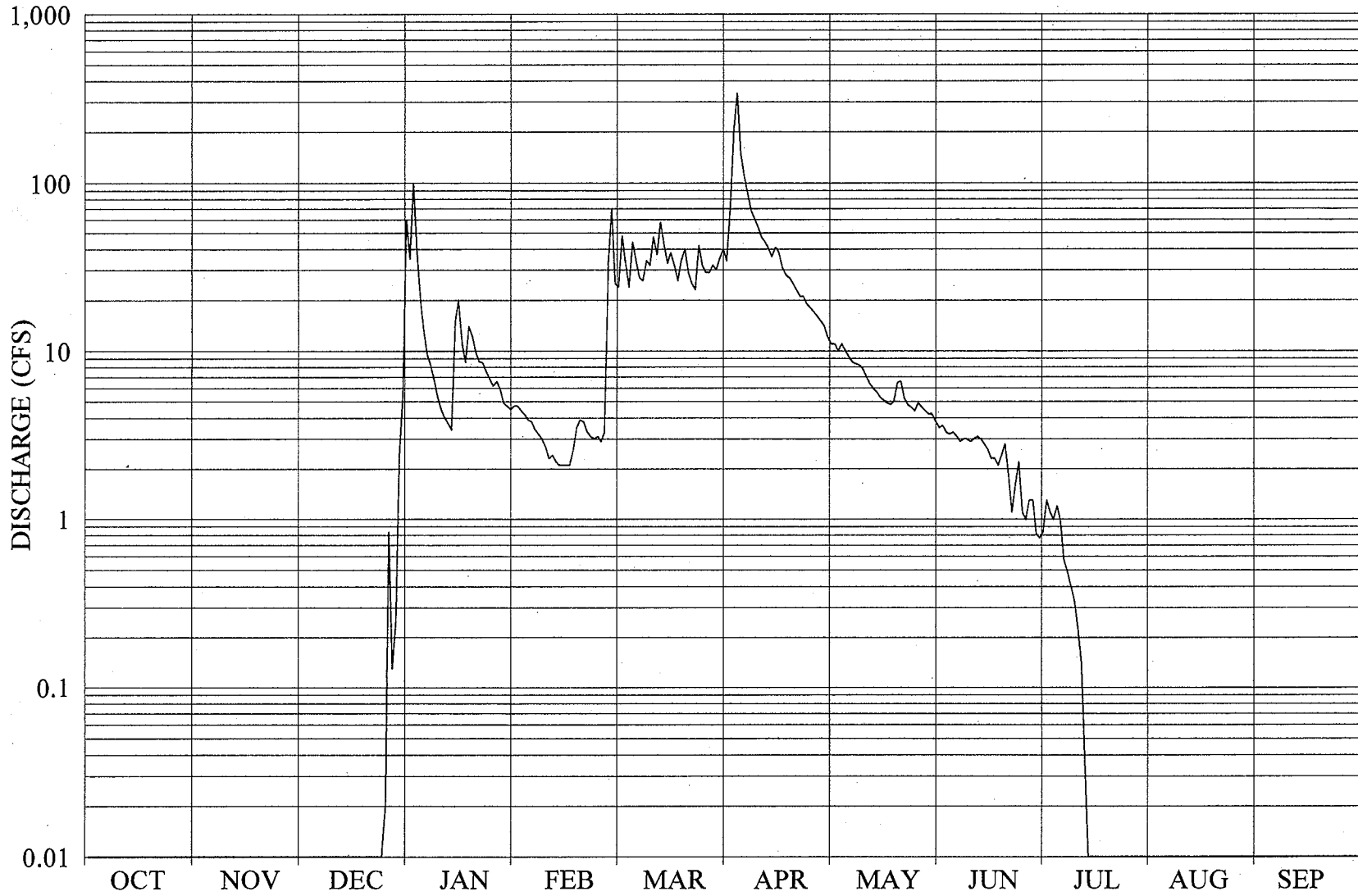


TABLE D-43

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
GARZAS CREEK AT GARZAS ROAD

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2005 TO SEP 2006

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	35	4.7	25	40	12	3.8	.77	0	0
2	0	0	0	100	4.4	24	34	11	3.5	.84	0	0
3	0	0	0	40	4.2	48	69	11	3.6	1.3	0	0
4	0	0	0	20	3.9	33	205	10	3.3	1.1	0	0
5	0	0	0	13	3.8	24	337	11	3.2	.99	0	0
6	0	0	0	9.5	3.4	44	150	10	3.3	1.2	0	0
7	0	0	0	8.2	3.2	34	109	9.2	3.1	.97	0	0
8	0	0	0	6.7	3.0	27	86	8.6	2.9	.57	0	0
9	0	0	0	5.3	2.7	26	68	8.4	3.0	.49	0	0
10	0	0	0	4.5	2.3	34	61	8.2	3.0	.40	0	0
11	0	0	0	4.0	2.4	32	54	7.8	2.9	.33	0	0
12	0	0	0	3.7	2.2	47	47	7.1	3.0	.23	0	0
13	0	0	0	3.4	2.1	37	44	6.4	3.1	.14	0	0
14	0	0	0	15	2.1	58	40	6.0	3.0	.04	0	0
15	0	0	0	20	2.1	43	36	5.7	2.8	.01	0	0
16	0	0	0	11	2.1	33	41	5.3	2.6	0	0	0
17	0	0	0	8.6	2.6	38	38	5.1	2.3	0	0	0
18	0	0	0	14	3.5	32	31	4.9	2.3	0	0	0
19	0	0	0	12	3.9	26	28	4.8	2.1	0	0	0
20	0	0	0	9.7	3.8	34	27	5.0	2.4	0	0	0
21	0	0	0	8.6	3.3	40	25	6.5	2.8	0	0	0
22	0	0	0	8.5	3.1	29	23	6.6	1.9	0	0	0
23	0	0	0	7.5	3.0	25	21	5.2	1.1	0	0	0
24	0	0	0	6.8	3.1	23	21	4.8	1.6	0	0	0
25	0	0	.02	6.2	2.9	42	19	4.6	2.2	0	0	0
26	0	0	.84	6.6	3.3	32	18	4.4	1.1	0	0	0
27	0	0	.13	5.9	33	29	17	4.9	.99	0	0	0
28	0	0	.25	4.9	69	29	16	4.6	1.3	0	0	0
29	0	0	2.4	4.7	-----	32	15	4.4	1.3	0	0	0
30	0	0	5.3	4.5	-----	30	14	4.2	.81	0	0	0
31	0	-----	.60	4.7	-----	35	-----	4.2	-----	0	0	-----
TOTAL	0	0	68.94	412.5	183.1	1,045	1,734	211.9	74.30	9.38	0	0
MEAN	0	0	2.22	13.3	6.54	33.7	57.8	6.84	2.48	.30	0	0
MAX	0	0	60	100	69	58	337	12	3.8	1.3	0	0
MIN	0	0	0	3.4	2.1	23	14	4.2	.81	0	0	0
AC-FT	0	0	137	818	363	2,070	3,440	420	147	19	0	0

CAL YEAR 2005	TOTAL	4,149.19	MEAN	11.4	MAX	173	MIN	0	AC-FT	8,230
WTR YEAR 2006	TOTAL	3,739.12	MEAN	10.2	MAX	337	MIN	0	AC-FT	7,420

FIGURE D-44

GARZAS CREEK AT GARZAS ROAD - WY 2007

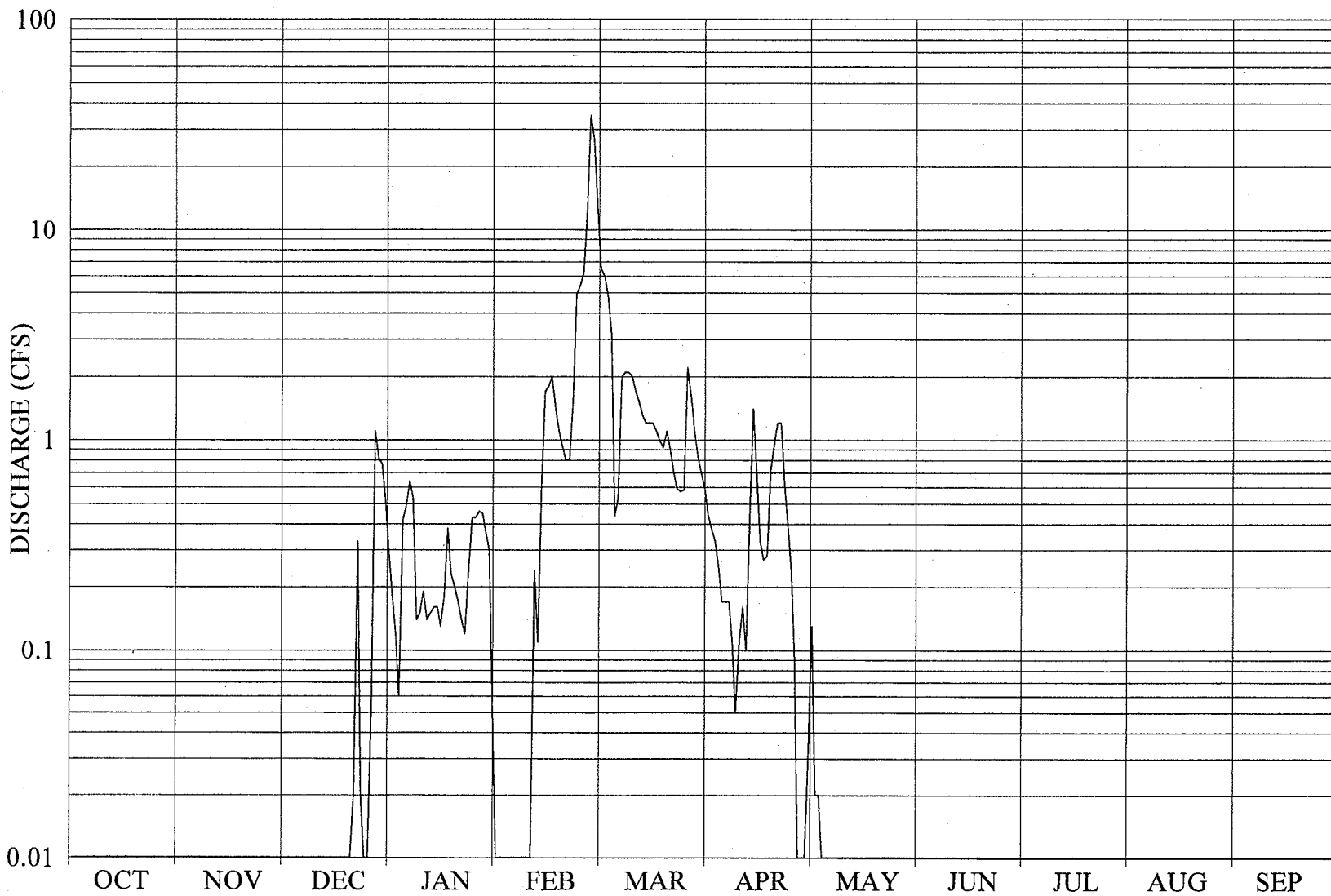


TABLE D-44

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
GARZAS CREEK AT GARZAS ROAD

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2006 TO SEP 2007

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	.18	0	13	.59	.03	0	0	0	0
2	0	0	0	.12	0	6.5	.44	.13	0	0	0	0
3	0	0	0	.06	0	6.0	.38	.02	0	0	0	0
4	0	0	0	.42	0	4.8	.33	.02	0	0	0	0
5	0	0	0	.49	0	3.2	.25	.01	0	0	0	0
6	0	0	0	.64	0	.44	.17	0	0	0	0	0
7	0	0	0	.53	0	.53	.17	0	0	0	0	0
8	0	0	0	.14	0	2.0	.17	0	0	0	0	0
9	0	0	0	.15	0	2.1	.11	0	0	0	0	0
10	0	0	0	.19	.01	2.1	.05	0	0	0	0	0
11	0	0	0	.14	.24	2.0	.11	0	0	0	0	0
12	0	0	0	.15	.11	1.7	.16	0	0	0	0	0
13	0	0	0	.16	.63	1.5	.10	0	0	0	0	0
14	0	0	0	.16	1.7	1.3	.47	0	0	0	0	0
15	0	0	0	.13	1.8	1.2	1.4	0	0	0	0	0
16	0	0	0	.18	2.0	1.2	.68	0	0	0	0	0
17	0	0	0	.38	1.4	1.2	.33	0	0	0	0	0
18	0	0	0	.23	1.1	1.1	.27	0	0	0	0	0
19	0	0	0	.20	.93	.99	.28	0	0	0	0	0
20	0	0	0	.17	.80	.92	.72	0	0	0	0	0
21	0	0	.02	.14	.80	1.1	.94	0	0	0	0	0
22	0	0	.33	.12	1.5	.90	1.2	0	0	0	0	0
23	0	0	.02	.24	4.9	.71	1.2	0	0	0	0	0
24	0	0	.01	.43	5.4	.59	.63	0	0	0	0	0
25	0	0	0	.43	6.2	.57	.40	0	0	0	0	0
26	0	0	.05	.46	12	.58	.24	0	0	0	0	0
27	0	0	1.1	.45	35	2.2	.09	0	0	0	0	0
28	0	0	.81	.36	27	1.6	0	0	0	0	0	0
29	0	0	.77	.30	-----	1.1	0	0	0	0	0	0
30	0	0	.52	.05	-----	.83	0	0	0	0	0	0
31	0	-----	.30	0	-----	.70	-----	0	-----	0	0	-----
TOTAL	0	0	3.93	7.80	103.52	64.66	11.88	0.21	0	0	0	0
MEAN	0	0	.13	.25	3.70	2.09	.40	.007	0	0	0	0
MAX	0	0	1.1	.64	35	13	1.4	.13	0	0	0	0
MIN	0	0	0	0	0	.44	0	0	0	0	0	0
AC-FT	0	0	7.8	15	205	128	24	.4	0	0	0	0
CAL YEAR 2006	TOTAL	3,674.11	MEAN	10.1	MAX	337	MIN	0	AC-FT	7,290		
WTR YEAR 2007	TOTAL	192.00	MEAN	.53	MAX	35	MIN	0	AC-FT	381		

FIGURE D-45

GARZAS CREEK AT GARZAS ROAD - WY 2008

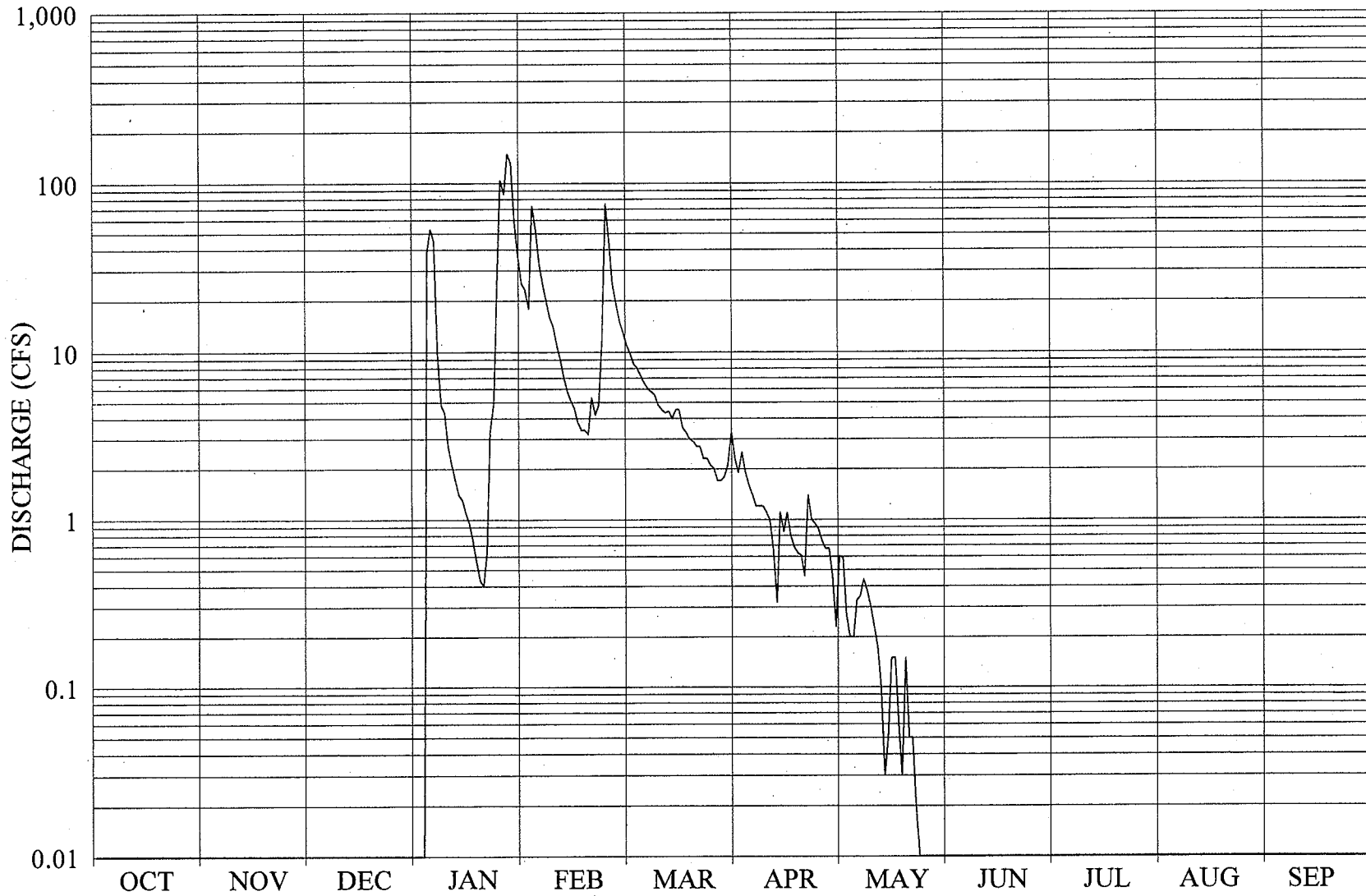


TABLE D-45

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
GARZAS CREEK AT GARZAS ROAD

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2007 TO SEP 2008

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	23	11	2.3	.60e	0	0	0	0
2	0	0	0	0	18	9.8	1.9	.59e	0	0	0	0
3	0	0	0	0	73	8.5	2.5	.27e	0	0	0	0
4	0	0	0	38	54	8.0	1.9	.20e	0	0	0	0
5	0	0	0	53	33	7.2	1.6	.20e	0	0	0	0
6	0	0	0	45	25	6.5	1.4	.33	0	0	0	0
7	0	0	0	9.8	20	6.0	1.2	.35	0	0	0	0
8	0	0	0	4.8	16	5.8	1.2	.44	0	0	0	0
9	0	0	0	4.3	14	5.5	1.2	.37e	0	0	0	0
10	0	0	0	2.7	11	4.8	1.1	.30e	0	0	0	0
11	0	0	0	2.1	9.1	4.5	.99	.23e	0	0	0	0
12	0	0	0	1.7	7.0	4.3	.65	.17e	0	0	0	0
13	0	0	0	1.4	5.8	4.4	.32	.10e	0	0	0	0
14	0	0	0	1.3	5.1	4.0	1.1	.03	0	0	0	0
15	0	0	0	1.1	4.6	4.5	.85	.05	0	0	0	0
16	0	0	0	.94	3.8	4.5	1.1	.15	0	0	0	0
17	0	0	0	.74	3.4	3.5	.80	.15	0	0	0	0
18	0	0	0	.56	3.4	3.3	.68	.06	0	0	0	0
19	0	0	0	.43	3.2	3.0	.63	.03	0	0	0	0
20	0	0	0	.40	5.3	2.9	.61	.15	0	0	0	0
21	0	0	0	.65	4.2	2.7	.46	.05	0	0	0	0
22	0	0	0	3.3	4.8	2.7	1.4	.05	0	0	0	0
23	0	0	0	4.9	12	2.3	1.0	.02	0	0	0	0
24	0	0	0	25	75	2.3	.94	.01	0	0	0	0
25	0	0	0	104	45	2.1	.87	.01	0	0	0	0
26	0	0	0	86	25	2.0	.74	0	0	0	0	0
27	0	0	0	149	19	1.7	.67	0	0	0	0	0
28	0	0	0	131	15	1.7	.67	0	0	0	0	0
29	0	0	0	59	13	1.8	.45e	0	0	0	0	0
30	0	0	0	36	-----	2.1	.23e	0	0	0	0	0
31	0	-----	0	25	-----	3.3	-----	0	-----	0	0	-----
TOTAL	0	0	0	792.12	550.7	136.7	31.46	4.91	0	0	0	0
MEAN	0	0	0	25.6	19.0	4.41	1.05	.16	0	0	0	0
MAX	0	0	0	149	75	11	2.5	.60	0	0	0	0
MIN	0	0	0	0	3.2	1.7	.23	0	0	0	0	0
AC-FT	0	0	0	1,570	1,090	271	62	9.7	0	0	0	0
CAL YEAR 2007	TOTAL	188.07	MEAN	.52	MAX	35	MIN	0	AC-FT	373		
WTR YEAR 2008	TOTAL	1,515.89	MEAN	4.14	MAX	149	MIN	0	AC-FT	3,010		

FIGURE D-46

CARMEL RIVER AT DON JUAN BRIDGE - WY 2004

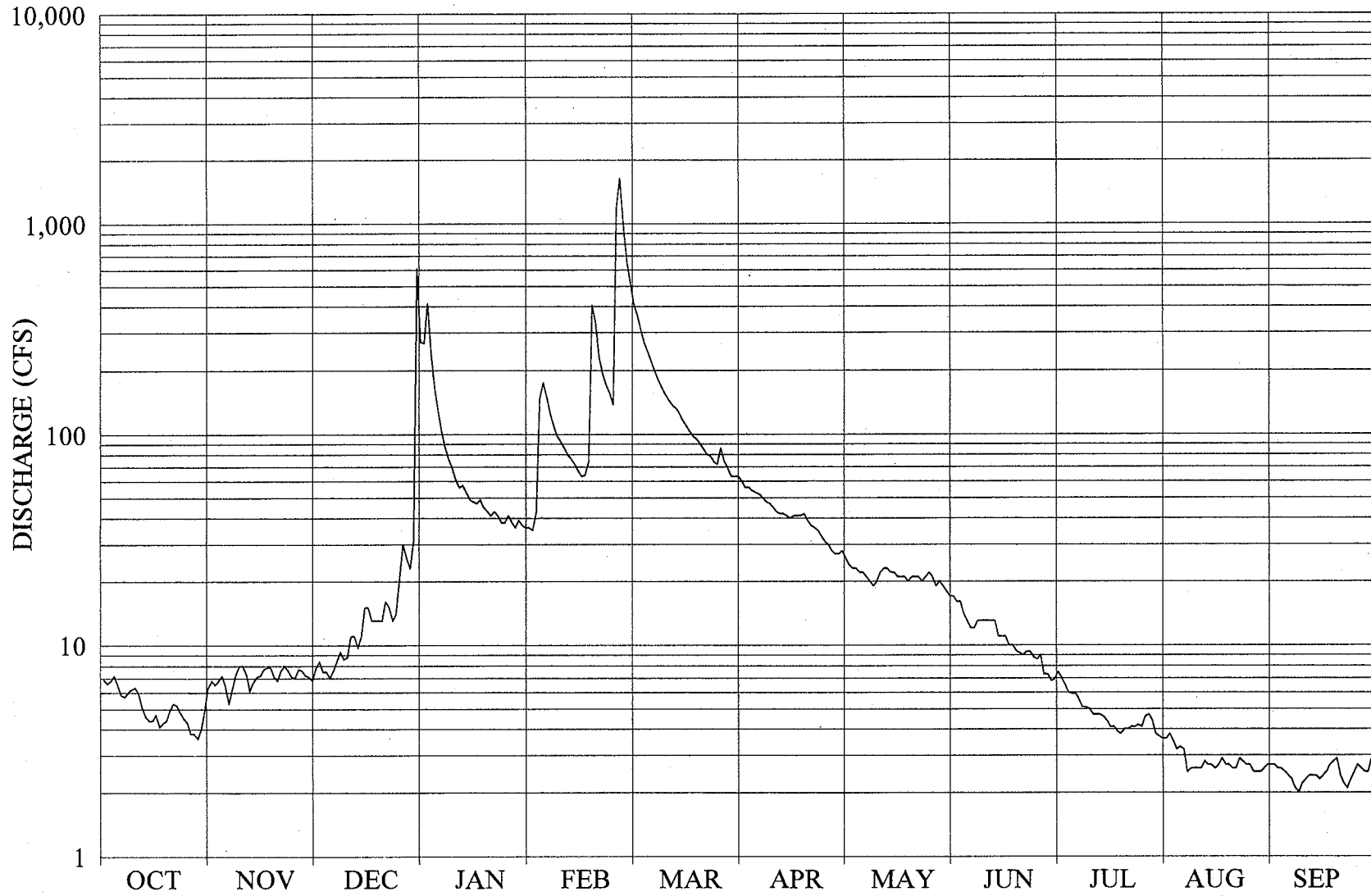


TABLE D-46

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
 CARMEL RIVER AT DON JUAN BRIDGE

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2003 TO SEP 2004

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.9	6.8	7.8	268	35	410	60	26	17	7.5	3.6	2.7
2	6.6	6.5	8.4	414	43	361	56	24	16	7.0	3.8	2.6
3	6.8	6.8	7.5	242	147	308	56	23	16	6.5	3.5	2.6
4	7.2	7.2	7.5	165	175	268	54	23	14	6.0	3.2	2.5
5	6.5	6.4	7.0	129	149	243	53	22	13	5.9	3.3	2.4
6	5.8	5.3	7.6	103	125	219	52	22	12	5.9	3.2	2.3
7	5.7	6.2	8.4	87	110	198	50	21	12	5.5	2.5	2.1
8	6.0	7.3	9.3	76	98	180	48	20	13	5.1	2.6	2.0
9	6.2	8.0	8.6	69	92	166	47	19	13	5.1	2.6	2.2
10	6.3	8.0	8.8	61	86	154	45	20	13	5.0	2.6	2.3
11	5.9	7.3	11	56	80	145	43	22	13	4.7	2.6	2.4
12	5.1	6.1	11	57	76	137	42	23	13	4.7	2.8	2.4
13	4.6	6.7	9.7	53	72	133	42	23	13	4.7	2.7	2.4
14	4.4	7.1	11	49	67	126	41	22	11	4.6	2.7	2.3
15	4.4	7.2	15	48	63	116	40	22	11	4.4	2.6	2.4
16	4.7	7.7	15	47	64	110	41	21	11	4.1	2.7	2.5
17	4.1	7.9	13	49	74	103	41	21	10	4.1	2.9	2.7
18	4.3	7.9	13	45	406	98	41	21	10	3.9	2.7	2.8
19	4.4	7.1	13	43	335	95	42	20	9.4	3.8	2.7	2.9
20	4.9	6.8	13	41	233	90	39	21	9.2	4.0	2.6	2.4
21	5.3	7.6	16	43	192	85	37	21	9.0	4.0	2.6	2.2
22	5.2	8.0	15	41	171	80	36	21	9.3	4.1	2.9	2.1
23	4.8	7.6	13	38	157	79	35	20	9.3	4.1	2.8	2.3
24	4.5	7.1	14	38	138	74	33	21	8.8	4.2	2.7	2.5
25	4.3	7.0	21	41	1,180	72	31	22	8.6	4.1	2.7	2.7
26	3.8	7.7	30	38	1,640	86	30	21	9.0	4.6	2.5	2.6
27	3.8	7.6	26	36	963	74	28	19	7.3	4.7	2.5	2.5
28	3.6	7.2	23	39	653	69	27	20	7.3	4.4	2.5	2.5
29	4.0	7.1	31	37	519	63	27	19	6.8	3.8	2.6	2.9
30	4.9	6.8	609	36	-----	63	28	18	6.9	3.7	2.7	3.1
31	6.3	-----	270	36	-----	63	-----	17	-----	3.6	2.7	-----
TOTAL	161.3	214.0	1,273.6	2,525	8,143	4,468	1,245	655	331.9	147.8	87.1	74.3
MEAN	5.20	7.13	41.1	81.5	281	144	41.5	21.1	11.1	4.77	2.81	2.48
MAX	7.2	8.0	609	414	1,640	410	60	26	17	7.5	3.8	3.1
MIN	3.6	5.3	7.0	36	35	63	27	17	6.8	3.6	2.5	2.0
AC-FT	320	424	2,530	5,010	16,150	8,860	2,470	1,300	658	293	173	147
CAL YEAR 2003 TOTAL		22,266.1	MEAN	61.0	MAX	609	MIN	3.6	AC-FT	44,160		
WTR YEAR 2004 TOTAL		19,326.0	MEAN	52.8	MAX	1,640	MIN	2.0	AC-FT	38,330		

FIGURE D-47

CARMEL RIVER AT DON JUAN BRIDGE - WY 2005

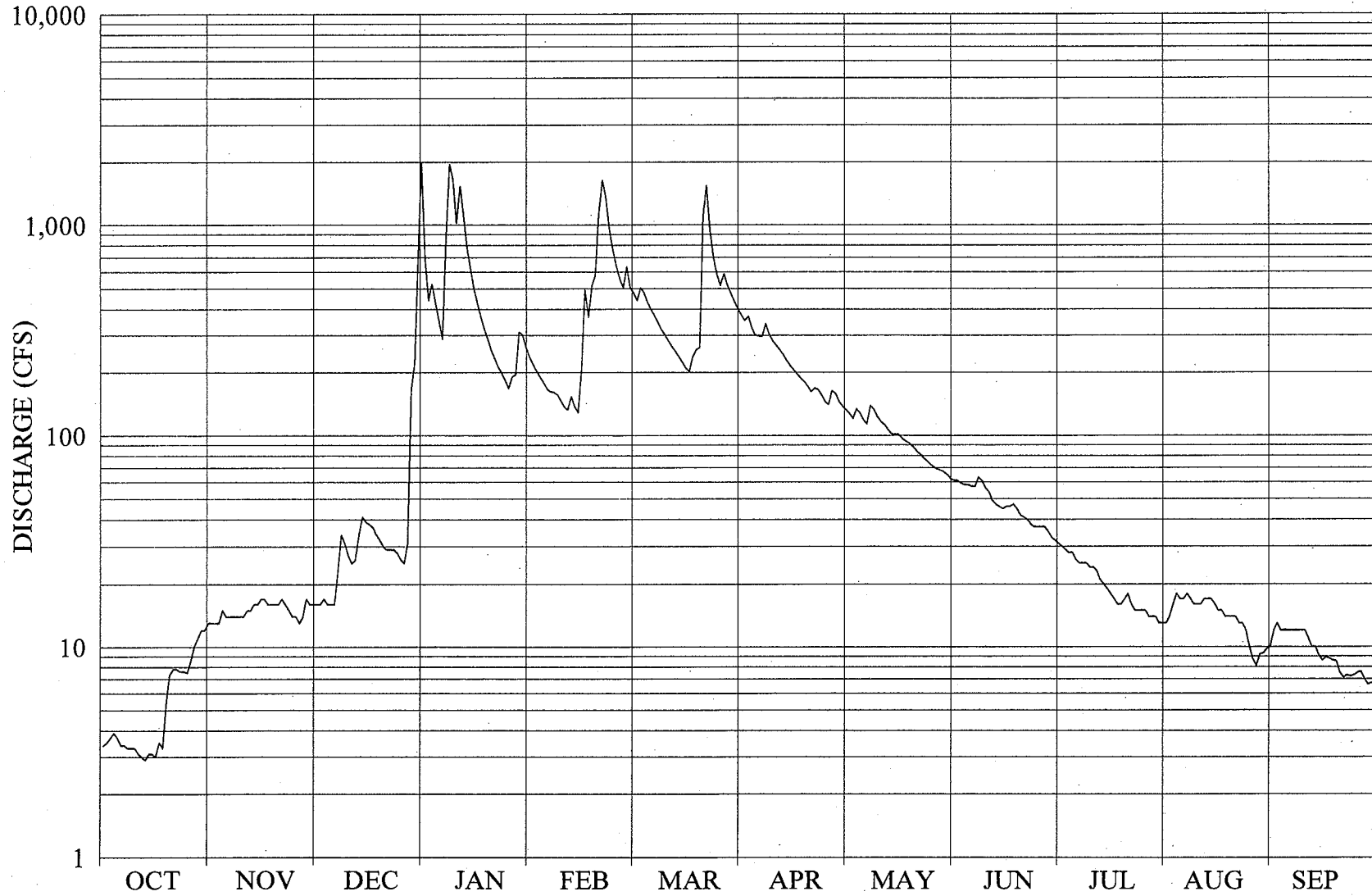


TABLE D-47

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
 CARMEL RIVER AT DON JUAN BRIDGE

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2004 TO SEP 2005

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	13	16	684	219	506	402	138	62	32	13	10
2	3.5	13	16	441	202	477	374	133	61	31	13	12
3	3.7	13	17	526	190	440	353	127	61	30	14	13
4	3.9	15	16	424	179	502	369	121	59	29	16	12
5	3.7	14	16	349	167	477	326	134	58	28	18	12
6	3.4	14	16	289	162	428	300	128	58	28	17	12
7	3.4	14	23	833	161	397	297	119	57	26	17	12
8	3.3	14	34	1,960	157	372	297	114	57	25	18	12
9	3.3	14	31	1,650	146	345	340	139	63	25	17	12
10	3.3	14	27	1,020	137	318	305	133	61	25	16	12
11	3.1	15	25	1,530	133	300	281	123	56	24	16	12
12	3.0	15	26	1,110	154	281	268	117	54	24	16	11
13	2.9	16	34	783	137	264	256	113	49	23	17	10
14	3.1	16	41	617	129	251	242	107	47	21	17	10
15	3.1	17	39	506	205	237	228	102	46	20	17	9.1
16	3.0	17	38	427	492	222	215	101	45	19	16	8.6
17	3.5	16	37	367	367	210	205	101	46	18	15	8.9
18	3.3	16	34	322	514	201	196	97	46	17	15	8.8
19	5.3	16	32	287	576	237	187	94	47	16	14	8.6
20	7.3	16	30	254	1,110	255	181	92	45	16	14	8.5
21	7.8	17	29	233	1,630	263	172	89	42	17	14	7.5
22	7.8	16	29	212	1,360	1,090	162	85	41	18	14	7.1
23	7.6	15	29	197	966	1,540	168	82	40	16	13	7.3
24	7.6	14	28	183	760	951	166	79	38	15	13	7.2
25	7.5	14	26	168	639	698	156	76	37	15	12	7.3
26	8.5	13	25	191	557	581	145	73	37	15	10	7.5
27	10	14	31	195	503	516	141	71	37	15	8.7	7.6
28	11	17	165	311	633	587	164	69	37	14	8.1	7.0
29	12	16	220	302	-----	517	159	68	35	14	9.2	6.6
30	12	16	673	262	-----	476	145	67	33	14	9.3	6.7
31	13	-----	1,990	237	-----	435	-----	65	-----	13	9.8	-----
TOTAL	177.3	450	3,793	16,870	12,585	14,374	7,200	3,157	1,455	643	437.1	286.3
MEAN	5.72	15.0	122	544	449	464	240	102	48.5	20.7	14.1	9.54
MAX	13	17	1,990	1,960	1,630	1,540	402	139	63	32	18	13
MIN	2.9	13	16	168	129	201	141	65	33	13	8.1	6.6
AC-FT	352	893	7,520	33,460	24,960	28,510	14,280	6,260	2,890	1,280	867	568
CAL YEAR 2004	TOTAL	22,097.40	MEAN	60.4	MAX	1,990	MIN	2.0	AC-FT	43,830		
WTR YEAR 2005	TOTAL	61,427.70	MEAN	168	MAX	1,990	MIN	2.9	AC-FT	121,800		

FIGURE D-48

CARMEL RIVER AT DON JUAN BRIDGE - WY 2006

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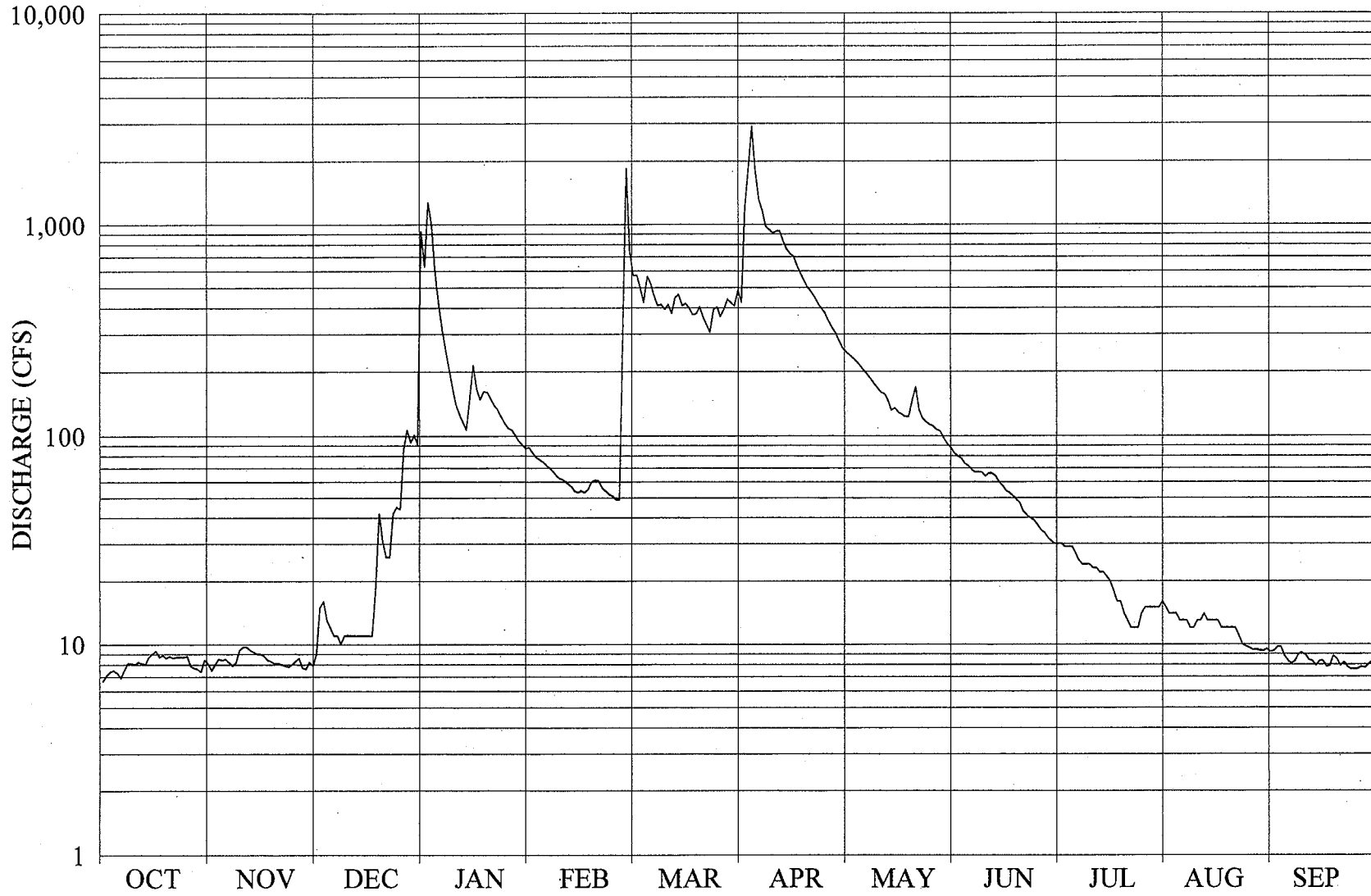


TABLE D-48

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
 CARMEL RIVER AT DON JUAN BRIDGE

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2005 TO SEP 2006

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.7	7.5	9.0	629	83	743	484	258	88	30	16	9.2
2	7.1	8.0	15	1,280	79	570	426	247	83	30	15	9.3
3	7.4	8.5	16	1,010	77	570	1,180	239	80	30	14	9.7
4	7.5	8.4	13	591	75	499	1,860	231	78	29	14	9.7
5	7.3	8.5	12	424	72	425	2,910	223	74	29	14	8.8
6	6.9	8.2	11	320	70	564	1,800	212	72	29	13	8.3
7	7.5	7.9	11	257	67	521	1,310	202	69	27	13	8.1
8	8.1	8.2	10	206	64	456	1,160	194	67	25	13	8.3
9	8.1	9.4	11	169	62	410	975	185	67	24	12	9.0
10	8.0	9.7	11	141	61	414	944	175	67	24	12	9.1
11	8.2	9.7	11	126	59	394	908	167	64	24	13	8.9
12	8.1	9.4	11	116	57	415	929	160	66	23	13	8.4
13	8.0	9.2	11	107	54	377	929	157	66	23	14	8.3
14	8.7	9.0	11	153	53	448	826	147	64	22	13	7.9
15	9.0	9.0	11	214	54	463	760	132	60	22	13	8.3
16	9.3	8.8	11	165	53	410	722	135	57	21	13	8.3
17	8.7	8.4	11	148	55	418	703	129	54	20	13	7.8
18	8.9	8.3	19	161	60	400	634	126	53	18	12	7.9
19	8.6	8.1	42	160	61	372	580	123	51	16	12	8.8
20	8.8	8.1	31	149	61	374	538	123	49	16	12	8.5
21	8.6	8.0	26	139	56	404	499	147	47	14	12	7.9
22	8.7	7.9	26	133	54	361	477	169	43	13	12	8.2
23	8.7	7.8	42	123	52	332	448	132	41	12	11	7.8
24	8.7	8.0	45	115	51	306	419	121	40	12	10	7.6
25	8.8	8.3	44	109	49	394	396	116	39	12	9.8	7.6
26	7.9	8.6	86	107	49	403	376	113	37	14	9.6	7.6
27	7.7	7.7	107	101	339	363	345	111	35	15	9.4	7.8
28	7.6	7.6	93	95	1,850	395	322	107	34	15	9.4	7.7
29	7.4	8.2	101	91	-----	438	302	105	32	15	9.3	8.0
30	8.4	7.9	91	87	-----	423	279	98	31	15	9.3	8.2
31	8.1	-----	928	88	-----	408	-----	92	-----	15	9.5	-----
TOTAL	251.5	252.3	1,877.0	7,714	3,777	13,470	24,441	4,876	1,708	634	375.3	251.0
MEAN	8.11	8.41	60.5	249	135	435	815	157	56.9	20.5	12.1	8.37
MAX	9.3	9.7	928	1,280	1,850	743	2,910	258	88	30	16	9.7
MIN	6.7	7.5	9.0	87	49	306	279	92	31	12	9.3	7.6
AC-FT	499	500	3,720	15,300	7,490	26,720	48,480	9,670	3,390	1,260	744	498
CAL YEAR 2005	TOTAL	59,388.20	MEAN	163	MAX	1,960	MIN	6.6	AC-FT	117,800		
WTR YEAR 2006	TOTAL	59,627.10	MEAN	163	MAX	2,910	MIN	6.7	AC-FT	118,300		

FIGURE D-49

CARMEL RIVER AT DON JUAN BRIDGE - WY 2007

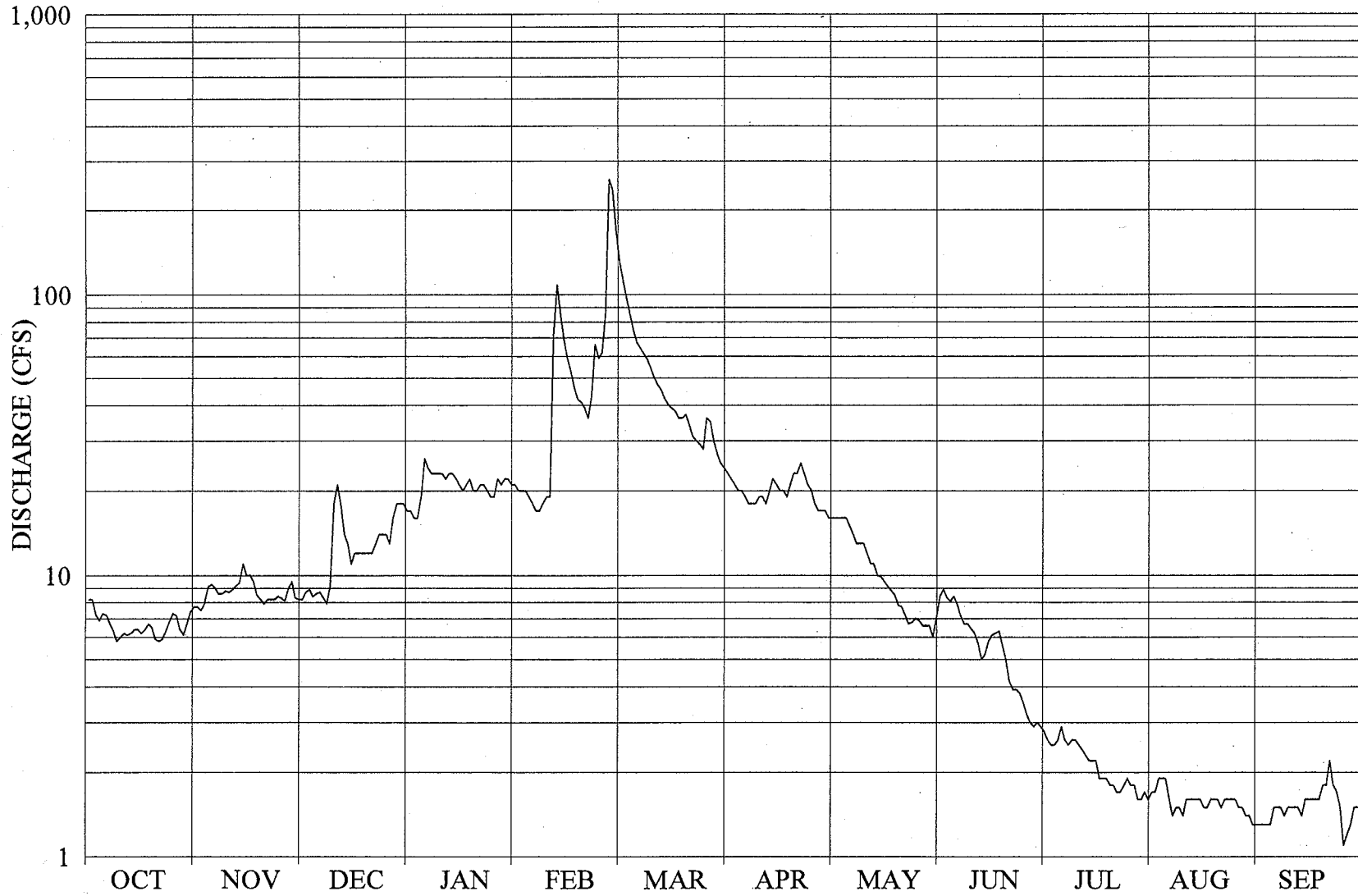


TABLE D-49

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
 CARMEL RIVER AT DON JUAN BRIDGE

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2006 TO SEP 2007

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.2	7.7	8.2	17	20	170	24	16	7.1	2.9	1.6	1.3
2	8.2	7.5	8.7	16	20	132	23	16	8.4	2.8	1.7	1.3
3	7.2	7.9	8.9	16	20	112	22	16	8.9	2.6	1.7	1.3
4	6.9	9.1	8.4	19	19	97	21	16	8.3	2.5	1.9	1.3
5	7.3	9.3	8.6	26	18	85	20	16	8.1	2.5	1.9	1.3
6	7.2	9.0	8.7	24	17	74	20	16	8.4	2.6	1.9	1.5
7	6.7	8.6	8.3	23	17	67	19	15	7.8	2.9	1.6	1.5
8	6.3	8.6	7.9	23	18	64	18	14	7.1	2.6	1.4	1.5
9	5.8	8.8	9.2	23	19	61	18	13	6.7	2.5	1.5	1.4
10	6.0	8.7	18	23	19	58	18	13	6.7	2.6	1.5	1.5
11	6.2	8.9	21	22	71	54	19	13	6.4	2.6	1.4	1.5
12	6.1	9.2	18	23	108	50	19	12	6.2	2.5	1.6	1.5
13	6.2	9.4	14	23	85	47	18	11	5.7	2.4	1.6	1.5
14	6.4	11	13	22	69	45	20	11	5.0	2.3	1.6	1.4
15	6.4	10	11	21	59	42	22	10	5.2	2.2	1.6	1.6
16	6.2	10	12	20	53	40	21	9.9	5.8	2.2	1.6	1.6
17	6.4	9.5	12	21	46	39	20	9.5	6.1	2.2	1.5	1.6
18	6.7	8.5	12	22	42	38	20	9.1	6.2	1.9	1.5	1.6
19	6.5	8.2	12	20	41	36	19	8.8	6.3	1.9	1.6	1.6
20	5.9	7.9	12	20	39	36	21	8.5	5.6	1.9	1.6	1.8
21	5.8	8.2	12	21	36	37	23	7.8	5.0	1.8	1.6	1.8
22	5.9	8.2	13	21	43	34	23	7.7	4.2	1.8	1.5	2.2
23	6.3	8.2	14	20	66	31	25	7.2	3.9	1.7	1.6	1.8
24	6.8	8.4	14	19	59	30	23	6.7	3.9	1.7	1.6	1.7
25	7.3	8.3	14	19	62	29	21	6.8	3.8	1.8	1.6	1.5
26	7.2	8.1	13	22	86	28	20	7.0	3.5	1.9	1.6	1.1
27	6.4	9.0	16	21	257	36	18	6.9	3.2	1.8	1.5	1.2
28	6.1	9.5	18	22	236	35	17	6.6	3.0	1.8	1.5	1.3
29	6.7	8.3	18	22	-----	30	17	6.6	2.9	1.6	1.4	1.5
30	7.4	8.2	18	21	-----	27	17	6.6	3.0	1.6	1.4	1.5
31	7.7	-----	17	21	-----	25	-----	6.0	-----	1.7	1.3	-----
TOTAL	206.4	262.2	398.9	653	1,645	1,689	606	329.7	172.4	67.8	48.9	45.2
MEAN	6.66	8.74	12.9	21.1	58.8	54.5	20.2	10.6	5.75	2.19	1.58	1.51
MAX	8.2	11	21	26	257	170	25	16	8.9	2.9	1.9	2.2
MIN	5.8	7.5	7.9	16	17	25	17	6.0	2.9	1.6	1.3	1.1
AC-FT	409	520	791	1,300	3,260	3,350	1,200	654	342	134	97	90
CAL YEAR 2006	TOTAL	58,113.80	MEAN	159	MAX	2,910	MIN	5.8	AC-FT	115,300		
WTR YEAR 2007	TOTAL	6,124.50	MEAN	16.8	MAX	257	MIN	1.1	AC-FT	12,150		

FIGURE D-50

CARMEL RIVER AT DON JUAN BRIDGE - WY 2008

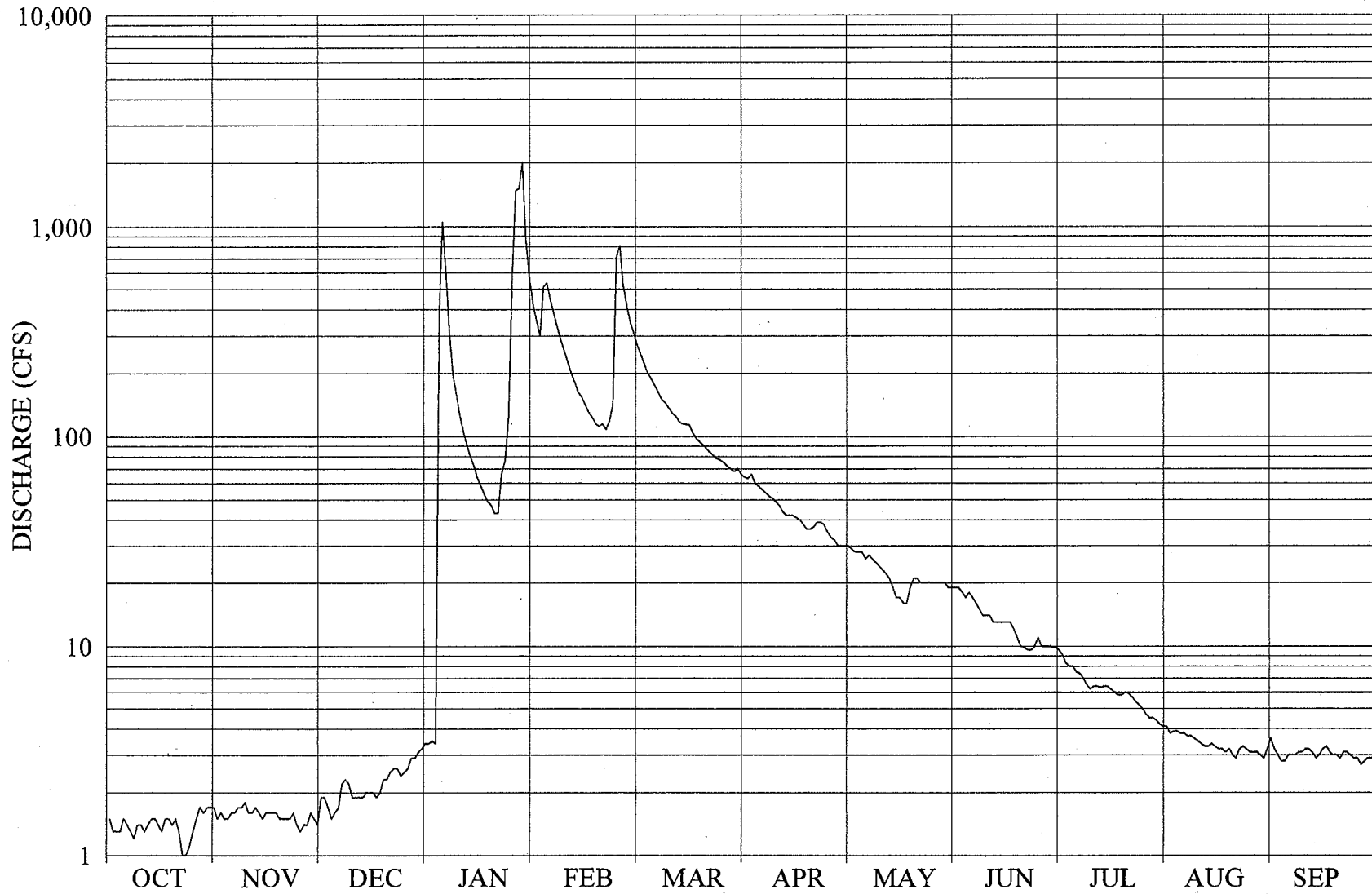


TABLE D-50

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
 CARMEL RIVER AT DON JUAN BRIDGE

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2007 TO SEP 2008

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	1.5	1.9	3.4	356	273	64	30	19	9.6	4.1	3.2
2	1.3	1.6	1.9	3.5	299	245	63	29	19	9.1	3.8	3.0
3	1.3	1.5	1.7	3.4	511	222	66	28	18	8.3	3.9	2.8
4	1.3	1.5	1.5	373	535	201	60	28	17	8.0	3.9	2.8
5	1.5	1.6	1.6	1,050	439	187	58	28	18	8.0	3.8	3.0
6	1.4	1.6	1.7	607	379	175	56	26	17	7.5	3.8	3.0
7	1.3	1.7	2.2	312	329	163	54	27	16	7.4	3.7	3.0
8	1.2	1.7	2.3	194	287	151	52	26	15	7.0	3.7	3.1
9	1.4	1.8	2.2	159	253	145	51	25	14	6.5	3.6	3.1
10	1.4	1.6	1.9	126	225	137	49	24	14	6.2	3.5	3.2
11	1.3	1.6	1.9	105	200	130	47	23	14	6.4	3.4	3.2
12	1.4	1.7	1.9	91	180	125	44	22	13	6.4	3.3	3.1
13	1.5	1.6	1.9	80	162	118	42	21	13	6.3	3.3	2.9
14	1.5	1.5	2.0	72	154	115	42	19	13	6.4	3.4	3.0
15	1.4	1.6	2.0	64	142	114	42	17	13	6.4	3.3	3.2
16	1.3	1.6	2.0	58	131	114	41	17	13	6.2	3.2	3.3
17	1.5	1.6	1.9	53	123	104	40	16	13	6.0	3.2	3.1
18	1.5	1.6	2.0	49	115	98	38	16	12	5.8	3.1	3.0
19	1.4	1.5	2.3	47	112	94	36	19	11	5.8	3.2	3.0
20	1.5	1.5	2.3	43	115	91	36	21	10	6.0	3.0	2.9
21	1.3	1.5	2.5	43	108	87	37	21	9.9	5.9	2.9	3.1
22	1.0	1.5	2.6	66	118	84	39	20	9.6	5.7	3.2	3.1
23	1.0	1.6	2.6	77	141	81	39	20	9.6	5.4	3.3	3.0
24	1.1	1.4	2.4	124	709	78	38	20	10	5.2	3.2	2.9
25	1.3	1.3	2.5	530	809	77	35	20	11	5.0	3.1	2.9
26	1.5	1.4	2.6	1,480	518	75	33	20	10	4.7	3.1	2.7
27	1.7	1.4	2.9	1,510	413	72	32	20	10	4.5	3.1	2.8
28	1.6	1.6	2.9	2,000	347	70	30	20	10	4.5	3.0	2.9
29	1.7	1.5	3.1	869	310	68	30	20	9.9	4.4	2.9	2.9
30	1.7	1.4	3.2	564	-----	70	30	19	9.9	4.2	3.2	2.9
31	1.7	-----	3.4	423	-----	66	-----	19	-----	4.1	3.6	-----
TOTAL	43.5	46.5	69.8	11,179.3	8,520	3,830	1,324	681	391.9	192.9	104.8	90.1
MEAN	1.40	1.55	2.25	361	294	124	44.1	22.0	13.1	6.22	3.38	3.00
MAX	1.7	1.8	3.4	2,000	809	273	66	30	19	9.6	4.1	3.3
MIN	1.0	1.3	1.5	3.4	108	66	30	16	9.6	4.1	2.9	2.7
AC-FT	86	92	138	22,170	16,900	7,600	2,630	1,350	777	383	208	179

CAL YEAR 2007	TOTAL	5,413.4	MEAN	14.8	MAX	257	MIN	1.0	AC-FT	10,740
WTR YEAR 2008	TOTAL	26,473.8	MEAN	72.3	MAX	2,000	MIN	1.0	AC-FT	52,510

FIGURE D-51

ROBINSON CANYON CREEK - WY 2004

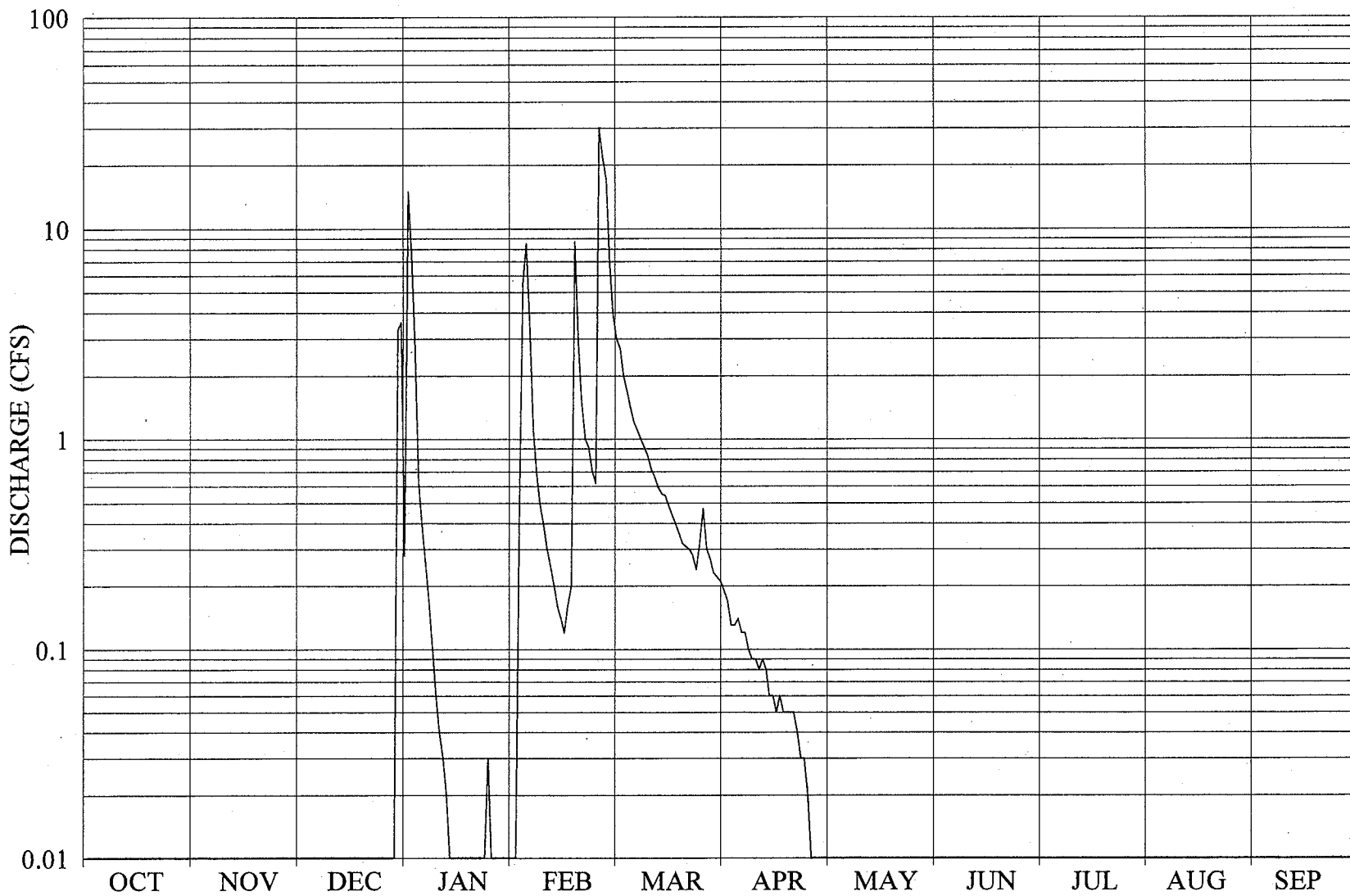


TABLE D-51

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
ROBINSON CANYON CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2003 TO SEP 2004

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	15	.01	3.0	.19	0	0	0	0	0
2	0	0	0	7.4	.50	2.7	.17	0	0	0	0	0
3	0	0	0	2.7	5.5	2.0	.13	0	0	0	0	0
4	0	0	0	.62	8.5	1.7	.13	0	0	0	0	0
5	0	0	0	.39	3.3	1.4	.14	0	0	0	0	0
6	0	0	0	.26	1.1	1.2	.12	0	0	0	0	0
7	0	0	0	.17	.68	1.1	.12	0	0	0	0	0
8	0	0	0	.10	.49	1.0	.10	0	0	0	0	0
9	0	0	0	.06	.39	.91	.09	0	0	0	0	0
10	0	0	0	.04	.30	.83	.09	0	0	0	0	0
11	0	0	0	.03	.25	.72	.08	0	0	0	0	0
12	0	0	0	.02	.20	.66	.09	0	0	0	0	0
13	0	0	0	.01	.16	.59	.08	0	0	0	0	0
14	0	0	0	.01	.14	.55	.06	0	0	0	0	0
15	0	0	0	.01	.12	.54	.06	0	0	0	0	0
16	0	0	0	.01	.16	.49	.05	0	0	0	0	0
17	0	0	0	.01	.20	.44	.06	0	0	0	0	0
18	0	0	0	0	8.7 e	.40	.05	0	0	0	0	0
19	0	0	0	0	2.9 e	.36	.05	0	0	0	0	0
20	0	0	0	.01	1.5	.32	.05	0	0	0	0	0
21	0	0	0	.01	1.0	.31	.05	0	0	0	0	0
22	0	0	0	0	.91	.30	.04	0	0	0	0	0
23	0	0	0	0	.71	.28	.03	0	0	0	0	0
24	0	0	0	.03	.62	.24	.03	0	0	0	0	0
25	0	0	0	.01	30	.32	.02	0	0	0	0	0
26	0	0	0	.01	22	.47	.01	0	0	0	0	0
27	0	0	0	.01	17	.30	.01	0	0	0	0	0
28	0	0	0	.01	6.9	.27	.01	0	0	0	0	0
29	0	0	3.3	.01	3.9	.23	.01	0	0	0	0	0
30	0	0	3.6	.01	-----	.22	0	0	0	0	0	0
31	0	-----	.28	.01	-----	.21	-----	0	-----	0	0	-----
TOTAL	0	0	7.18	26.96	118.14	24.06	2.12	0	0	0	0	0
MEAN	0	0	.23	.87	4.07	.78	.071	0	0	0	0	0
MAX	0	0	3.6	15	30	3.0	.19	0	0	0	0	0
MIN	0	0	0	0	.01	.21	0	0	0	0	0	0
AC-FT	0	0	14	53	234	48	4.2	0	0	0	0	0
CAL YEAR 2003	TOTAL	95.54	MEAN	.26	MAX	11	MIN	0	AC-FT	190		
WTR YEAR 2004	TOTAL	178.46	MEAN	.49	MAX	30	MIN	0	AC-FT	354		

FIGURE D-52

ROBINSON CANYON CREEK - WY 2005

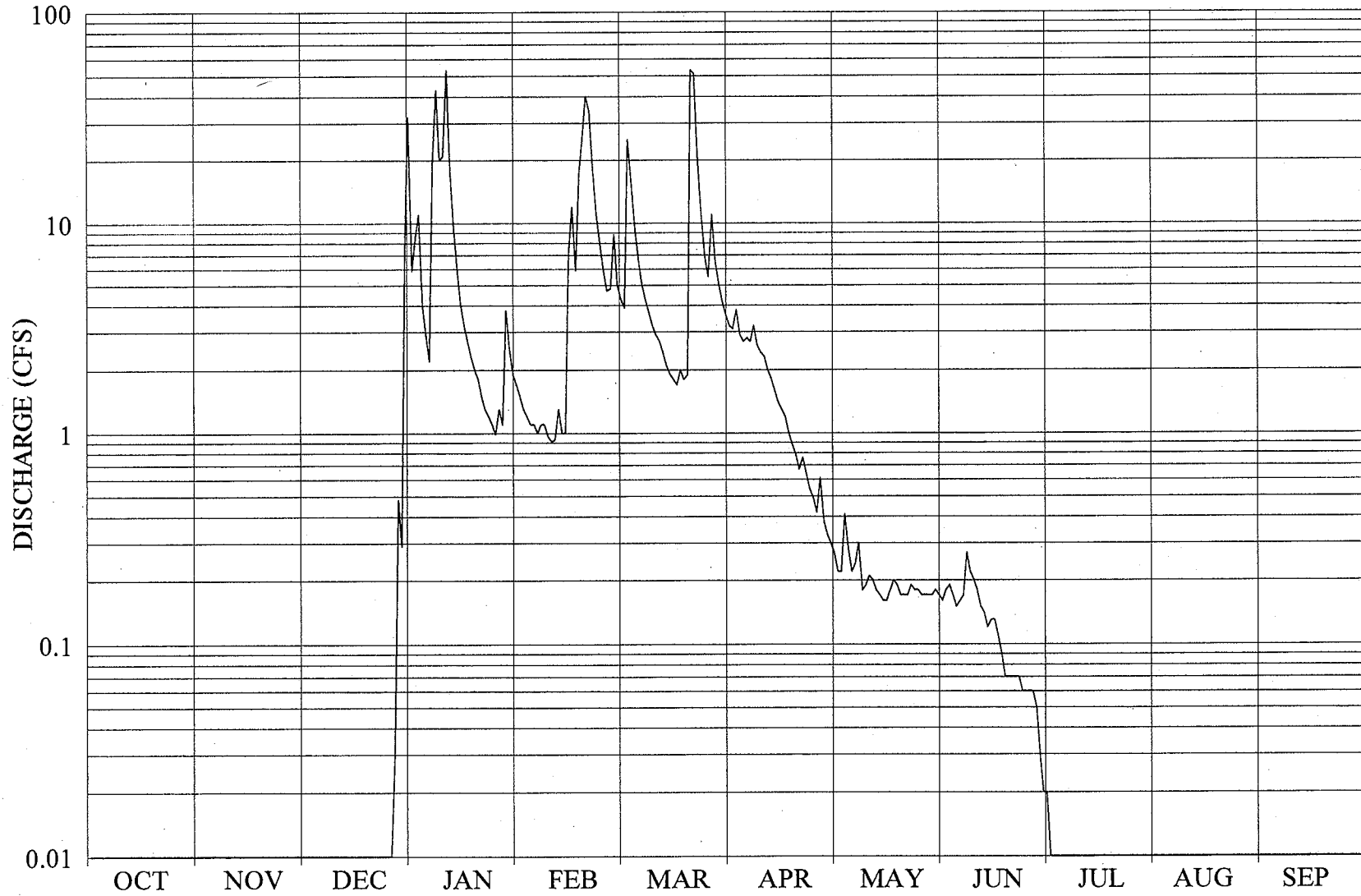


TABLE D-52

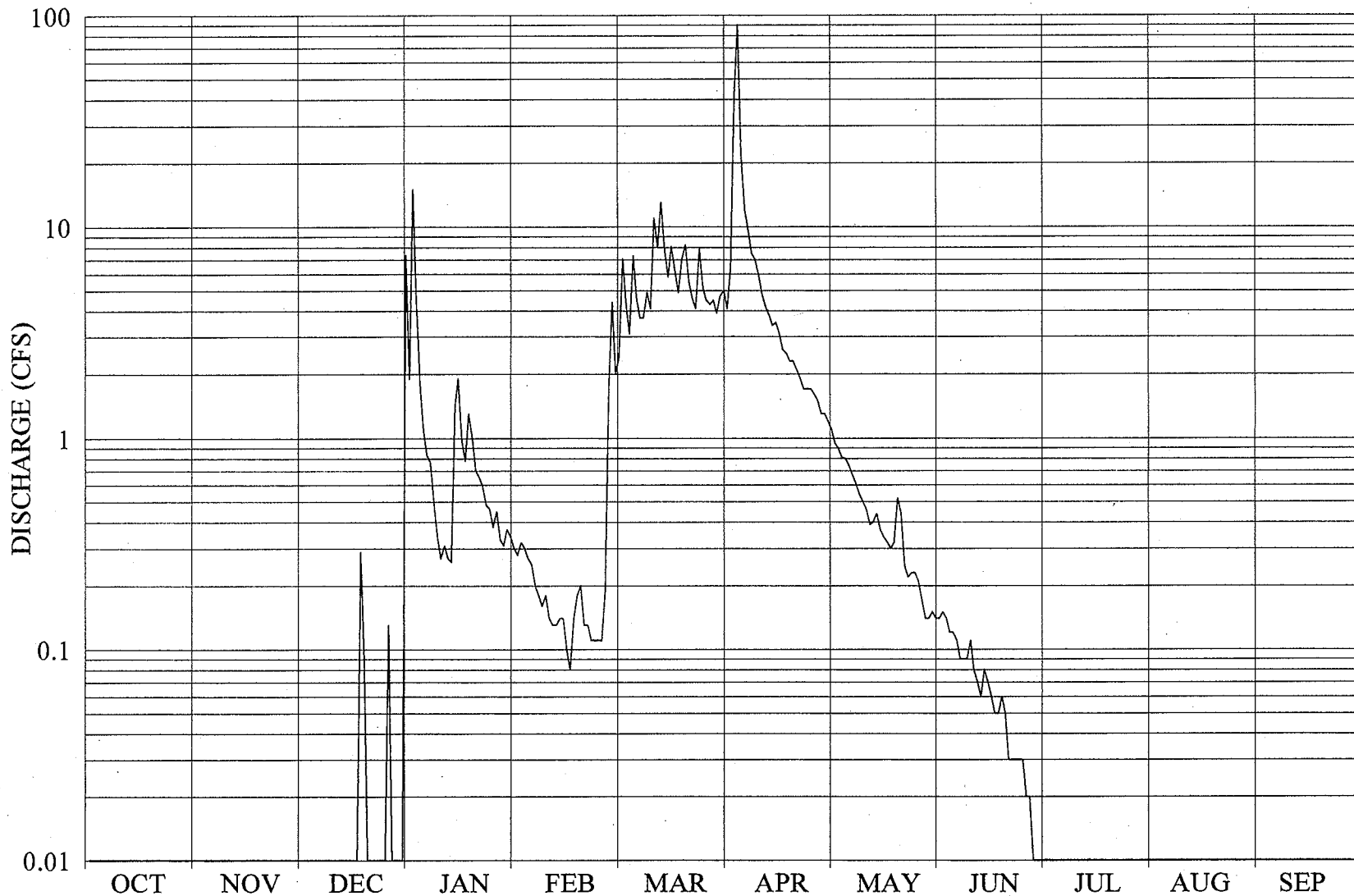
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
ROBINSON CANYON CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2004 TO SEP 2005

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	5.9	1.5	5.0	3.6	.30e	.17e	.02e	0	0
2	0	0	0	8.4	1.3	4.3	3.2	.27e	.16e	.02e	0	0
3	0	0	0	11	1.2	3.9	3.1	.22e	.18e	.01e	0	0
4	0	0	0	4.0	1.1	25	3.8	.22e	.19e	.01e	0	0
5	0	0	0	2.9	1.1	16	2.9	.41e	.17e	.01e	0	0
6	0	0	0	2.2	1.0	9.5	2.7	.28e	.15e	.01e	0	0
7	0	0	0	.19	1.1	6.7	2.8	.22e	.16e	.01e	0	0
8	0	0	0	43	1.1	5.1	2.7	.24e	.17e	0 e	0	0
9	0	0	0	20	.96	4.3	3.2	.30e	.27e	0 e	0	0
10	0	0	0	21	.91	3.7	2.6	.18e	.22e	0 e	0	0
11	0	0	0	53	.93	3.2	2.4	.19e	.20e	0 e	0	0
12	0	0	0	18	1.3	2.9	2.3	.21e	.18e	0	0	0
13	0	0	0	9.5	1.0	2.7	2.0	.20e	.15e	0	0	0
14	0	0	0	5.9	1.0	2.4	1.8	.18e	.14e	0	0	0
15	0	0	0	4.1	7.1	2.1	1.6	.17e	.12e	0	0	0
16	0	0	0	3.2	12	1.9	1.4	.16e	.13e	0	0	0
17	0	0	0	2.7	5.9	1.8	1.3	.16e	.13e	0	0	0
18	0	0	0	2.3	17	1.7	1.2	.18e	.11e	0	0	0
19	0	0	0	2.0	25	2.0	1.0	.20e	.09e	0	0	0
20	0	0	0	1.8	40	1.8	.88	.19e	.07e	0	0	0
21	0	0	0	1.5	34	1.9	.79	.17e	.07e	0	0	0
22	0	0	0	1.3	18	53	.67	.17e	.07e	0	0	0
23	0	0	0	1.2	11	51	.76	.17e	.07e	0	0	0
24	0	0	0	1.1	7.9	21	.64	.19e	.07e	0	0	0
25	0	0	0	.99	5.9	11	.54	.18e	.06e	0	0	0
26	0	0	0	1.3	4.7	6.9	.49	.18e	.06e	0	0	0
27	0	0	.03	1.1	4.8	5.5	.42	.17e	.06e	0	0	0
28	0	0	.48	3.8	8.8	11	.61	.17e	.06e	0	0	0
29	0	0	.29	2.5	-----	6.5	.38	.17e	.05e	0	0	0
30	0	0	7.4	1.9	-----	5.1	.33	.17e	.03e	0	0	0
31	0	-----	32	1.7	-----	4.2	-----	.18e	-----	0	0	-----
TOTAL	0	0	40.20	258.29	217.60	283.1	52.11	6.40	3.76	0.09	0	0
MEAN	0	0	1.30	8.33	7.77	9.13	1.74	.21	.13	.003	0	0
MAX	0	0	32	53	40	53	3.8	.41	.27	.02	0	0
MIN	0	0	0	.99	.91	1.7	.33	.16	.03	0	0	0
AC-FT	0	0	80	512	432	562	103	13	7.5	.2	0	0
CAL YEAR 2004 TOTAL		211.48	MEAN	.58	MAX	32	MIN	0	AC-FT	419		
WTR YEAR 2005 TOTAL		861.55	MEAN	2.36	MAX	53	MIN	0	AC-FT	1,710		

FIGURE D-53

ROBINSON CANYON CREEK - WY 2006



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TABLE D-53

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
ROBINSON CANYON CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2005 TO SEP 2006

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	1.9	.28	2.0	5.0	1.2	.14	.01	0	0
2	0	0	0	15	.32	2.4	4.1	1.1	.14	.01	0	0
3	0	0	0	4.5	.30	7.1	6.4	.94	.15	.01	0	0
4	0	0	0	1.8	.27	4.3	42	.89	.14	.01	0	0
5	0	0	0	1.1	.25	3.1	90	.81	.12	.01	0	0
6	0	0	0	.83	.20	7.3	22	.80	.12	.01	0	0
7	0	0	0	.77	.18	4.6	12	.74	.11	0	0	0
8	0	0	0	.49	.16	3.7	9.6	.67	.09	0	0	0
9	0	0	0	.34	.18	3.7	7.5	.61	.09	0	0	0
10	0	0	0	.27	.14	4.9	7.0	.54	.09	0	0	0
11	0	0	0	.31	.13	4.1	5.9	.50	.11	0	0	0
12	0	0	0	.27	.13	11	4.8	.46	.08	0	0	0
13	0	0	0	.26	.14	8.0	4.2	.39	.07	0	0	0
14	0	0	0	1.4	.14	13	3.8	.40	.06	0	0	0
15	0	0	0	1.9	.10	7.9	3.4	.44	.08	0	0	0
16	0	0	0	.98	.08	5.8	3.5	.37	.07	0	0	0
17	0	0	0	.78	.14	8.1	3.1	.34	.06	0	0	0
18	0	0	.29	1.3	.18	6.2	2.6	.32	.05	0	0	0
19	0	0	.09	1.0	.20	4.9	2.5	.30	.05	0	0	0
20	0	0	0	.70	.13	7.0	2.3	.32	.06	0	0	0
21	0	0	0	.65	.13	8.2	2.3	.52	.05	0	0	0
22	0	0	0	.59	.11	5.5	2.1	.44	.03	0	0	0
23	0	0	0	.48	.11	4.6	1.9	.25	.03	0	0	0
24	0	0	0	.46	.11	4.1	1.7	.22	.03	0	0	0
25	0	0	0	.38	.11	7.9	1.7	.23	.03	0	0	0
26	0	0	.13	.45	.19	5.2	1.7	.23	.03	0	0	0
27	0	0	.01	.33	1.7	4.5	1.6	.21	.02	0	0	0
28	0	0	.01	.31	4.4	4.3	1.5	.17	.02	0	0	0
29	0	0	.01	.37	-----	4.5	1.3	.14	.01	0	0	0
30	0	0	0	.34	-----	3.9	1.3	.14	.01	0	0	0
31	0	-----	7.4	.30	-----	4.7	-----	.15	-----	0	0	-----
TOTAL	0	0	7.94	40.56	10.51	176.5	258.8	14.84	2.14	0.06	0	0
MEAN	0	0	.26	1.31	.38	5.69	8.63	.48	.071	.002	0	0
MAX	0	0	7.4	15	4.4	13	90	1.2	.15	.01	0	0
MIN	0	0	0	.26	.08	2.0	1.3	.14	.01	0	0	0
AC-FT	0	0	16	80	21	350	513	29	4.2	.1	0	0
CAL YEAR 2005 TOTAL		829.29	MEAN	2.27	MAX	53	MIN	0	AC-FT	1,640		
WTR YEAR 2006 TOTAL		511.35	MEAN	1.40	MAX	90	MIN	0	AC-FT	1,010		

FIGURE D-54

ROBINSON CANYON CREEK - WY 2007

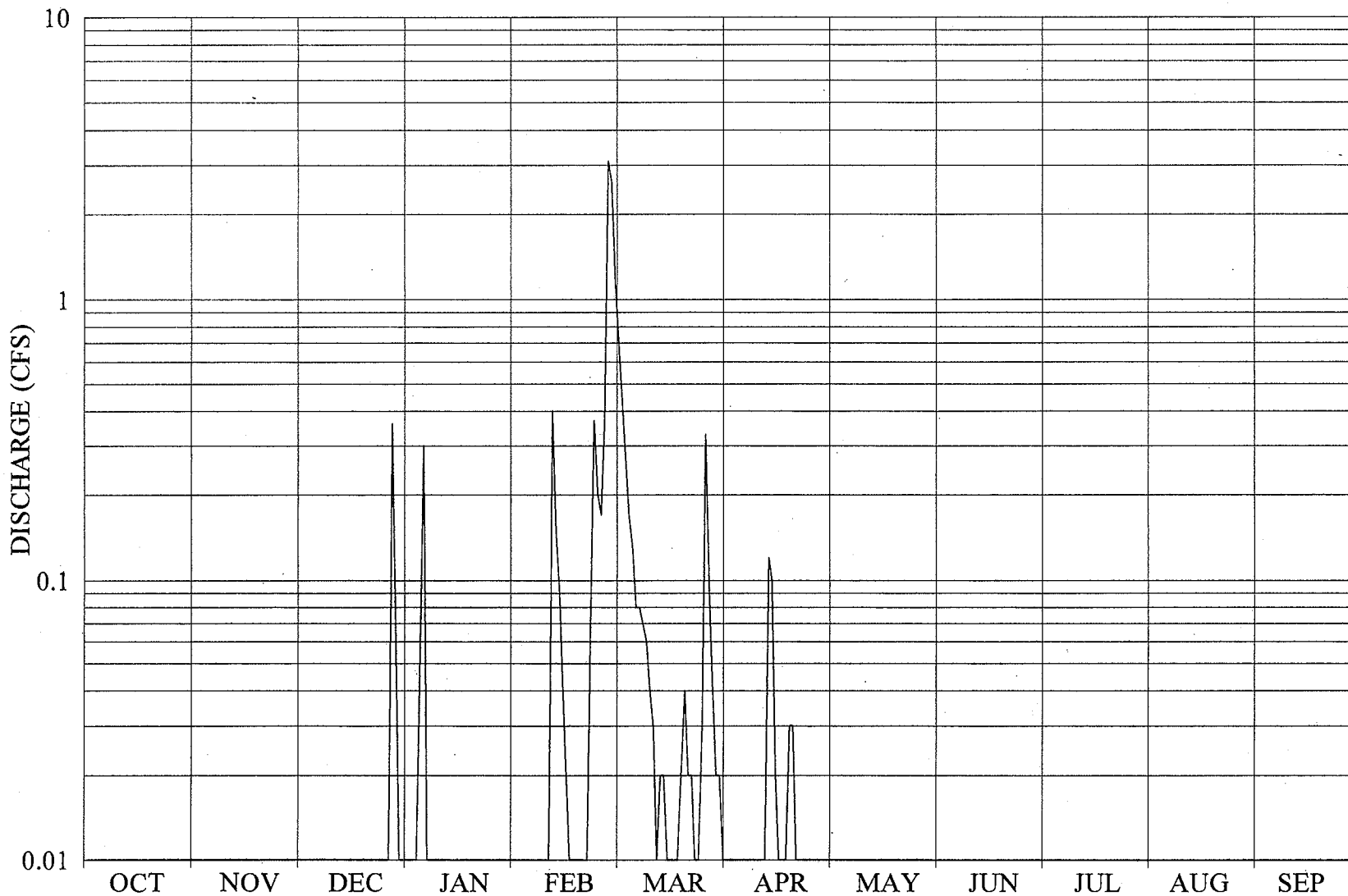


TABLE D-54

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
ROBINSON CANYON CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2006 TO SEP 2007

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	1.2	.01	0	0	0	0	0
2	0	0	0	0	0	.72	.01	0	0	0	0	0
3	0	0	0	0	0	.44	.01	0	0	0	0	0
4	0	0	0	.06	0	.27	0	0	0	0	0	0
5	0	0	0	.30	0	.17	0	0	0	0	0	0
6	0	0	0	.01	0	.13	0	0	0	0	0	0
7	0	0	0	0	0	.08	0	0	0	0	0	0
8	0	0	0	0	0	.08	0	0	0	0	0	0
9	0	0	0	0	0	.07	0	0	0	0	0	0
10	0	0	0	0	.01	.06	0	0	0	0	0	0
11	0	0	0	0	.40	.04	0	0	0	0	0	0
12	0	0	0	0	.15	.03	0	0	0	0	0	0
13	0	0	0	0 e	.09	.01	0	0	0	0	0	0
14	0	0	0	0 e	.04	.02	.12	0	0	0	0	0
15	0	0	0	0 e	.02	.02	.10	0	0	0	0	0
16	0	0	0	0 e	.01	.01	.02	0	0	0	0	0
17	0	0	0	0 e	0	.01	0	0	0	0	0	0
18	0	0	0	0 e	0	.01	0	0	0	0	0	0
19	0	0	0	0 e	0	.01	0	0	0	0	0	0
20	0	0	0	0 e	0	.02	.03	0	0	0	0	0
21	0	0	0	0 e	0	.04	.03	0	0	0	0	0
22	0	0	0	0 e	.08	.02	.01	0	0	0	0	0
23	0	0	0	0 e	.37	.02	.01	0	0	0	0	0
24	0	0	0	0 e	.20	.01	0	0	0	0	0	0
25	0	0	0	0 e	.17	.01	0	0	0	0	0	0
26	0	0	0	0 e	.37	.03	0	0	0	0	0	0
27	0	0	.36	0 e	3.1	.33	0	0	0	0	0	0
28	0	0	.06	0 e	2.6	.09	0	0	0	0	0	0
29	0	0	0	0 e	-----	.04	0	0	0	0	0	0
30	0	0	0	0 e	-----	.02	0	0	0	0	0	0
31	0	-----	0	0 e	-----	.02	-----	0	-----	0	0	-----
TOTAL	0	0	0.42	0.37	7.61	4.03	0.35	0	0	0	0	0
MEAN	0	0	.014	.012	.27	.13	.012	0	0	0	0	0
MAX	0	0	.36	.30	3.1	1.2	.12	0	0	0	0	0
MIN	0	0	0	0	0	.01	0	0	0	0	0	0
AC-FT	0	0	.8	.7	15	8.0	.7	0	0	0	0	0
CAL YEAR 2006 TOTAL		503.83	MEAN	1.38	MAX	90	MIN	0	AC-FT	999		
WTR YEAR 2007 TOTAL		12.78	MEAN	.035	MAX	3.1	MIN	0	AC-FT	25		

FIGURE D-55

ROBINSON CANYON CREEK - WY 2008

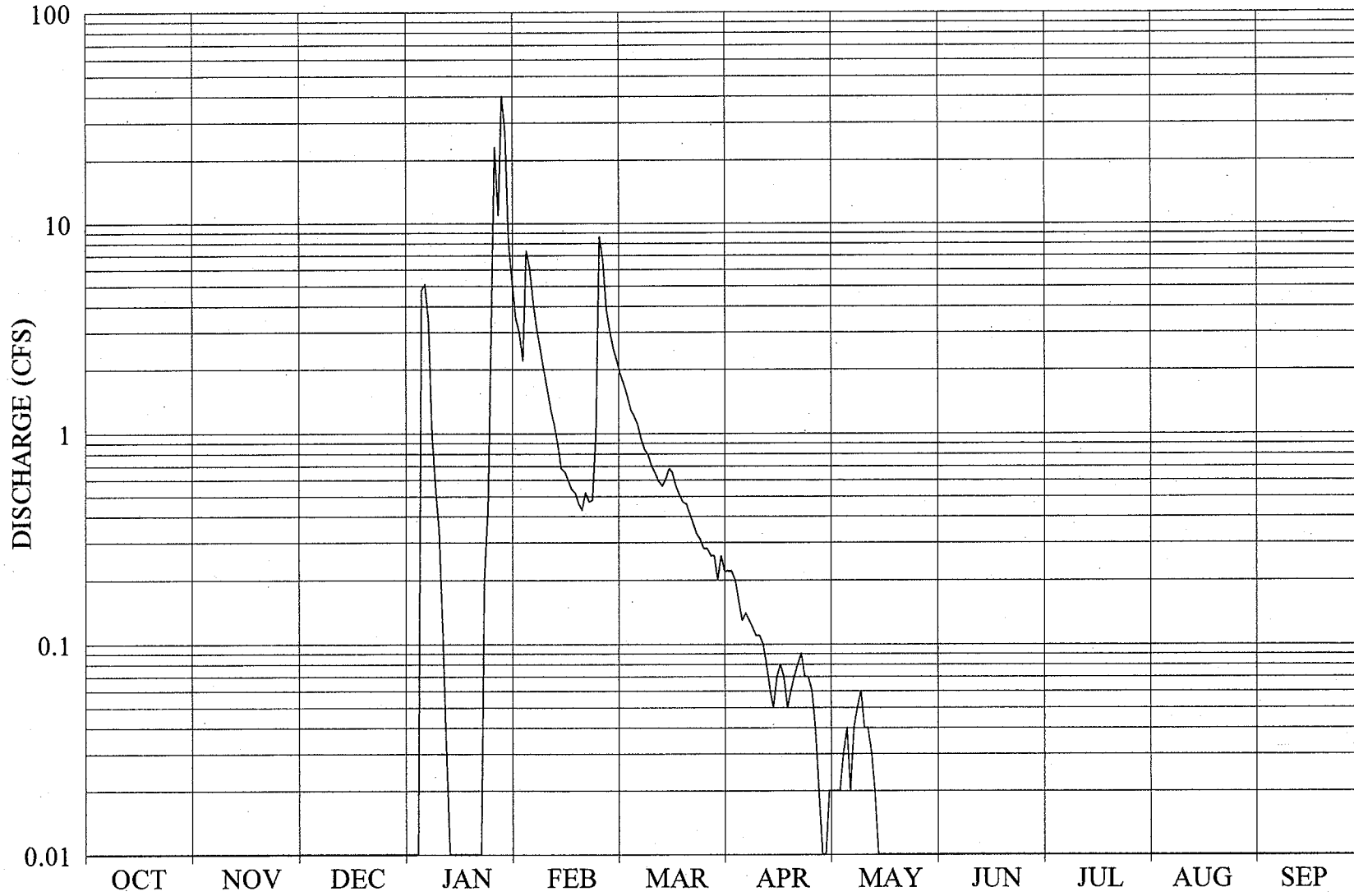


TABLE D-55

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
ROBINSON CANYON CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2007 TO SEP 2008

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	3.0	1.9	.22	.02	0	0	0	0
2	0	0	0	0	2.2	1.7	.22	.02	0	0	0	0
3	0	0	0	0	7.4	1.5	.20	.02	0	0	0	0
4	0	0	0	4.8	6.1	1.3	.16	.03	0	0	0	0
5	0	0	0	5.1	4.1	1.2	.13	.04	0	0	0	0
6	0	0	0	3.4	3.1	1.1	.14	.02	0	0	0	0
7	0	0	0	1.0	2.5	.94	.13	.04	0	0	0	0
8	0	0	0	.54	2.0	.84	.12	.05	0	0	0	0
9	0	0	0	.34	1.6	.79	.11	.06	0	0	0	0
10	0	0	0	.12	1.3	.70	.11	.04	0	0	0	0
11	0	0	0	.03	1.1	.65	.10	.04	0	0	0	0
12	0	0	0	.01	.88	.59	.08	.03	0	0	0	0
13	0	0	0	0	.68	.56	.06	.02	0	0	0	0
14	0	0	0	0	.66	.60	.05	.01	0	0	0	0
15	0	0	0	0	.60	.68	.07	0	0	0	0	0
16	0	0	0	0	.54	.65	.08	0	0	0	0	0
17	0	0	0	0	.52	.56	.07	0	0	0	0	0
18	0	0	0	0	.46	.51	.05	0	0	0	0	0
19	0	0	0	0	.43	.47	.06	0	0	0	0	0
20	0	0	0	0	.52	.46	.07	0	0	0	0	0
21	0	0	0	0	.47	.41	.08	0	0	0	0	0
22	0	0	0	.20	.48	.37	.09	0	0	0	0	0
23	0	0	0	.44	.99	.33	.07	0	0	0	0	0
24	0	0	0	3.3	8.6	.31	.07	0	0	0	0	0
25	0	0	0	23	6.7	.28	.06	0	0	0	0	0
26	0	0	0	11	3.9	.28	.04	0	0	0	0	0
27	0	0	0	40	3.0	.26	.02	0	0	0	0	0
28	0	0	0	27	2.5	.26	.01	0	0	0	0	0
29	0	0	0	8.1	2.2	.20	.01	0	0	0	0	0
30	0	0	0	5.1	-----	.26	.02	0	0	0	0	0
31	0	-----	0	3.5	-----	.22	-----	0	-----	0	0	-----
TOTAL	0	0	0	136.98	68.53	20.88	2.70	0.44	0	0	0	0
MEAN	0	0	0	4.42	2.36	.67	.090	.014	0	0	0	0
MAX	0	0	0	40	8.6	1.9	.22	.06	0	0	0	0
MIN	0	0	0	0	.43	.20	.01	0	0	0	0	0
AC-FT	0	0	0	272	136	41	5.4	.9	0	0	0	0

CAL YEAR 2007	TOTAL	12.36	MEAN	.034	MAX	3.1	MIN	0	AC-FT	25
WTR YEAR 2008	TOTAL	229.53	MEAN	.63	MAX	40	MIN	0	AC-FT	455

FIGURE D-56

POTRERO CREEK - WY 2004

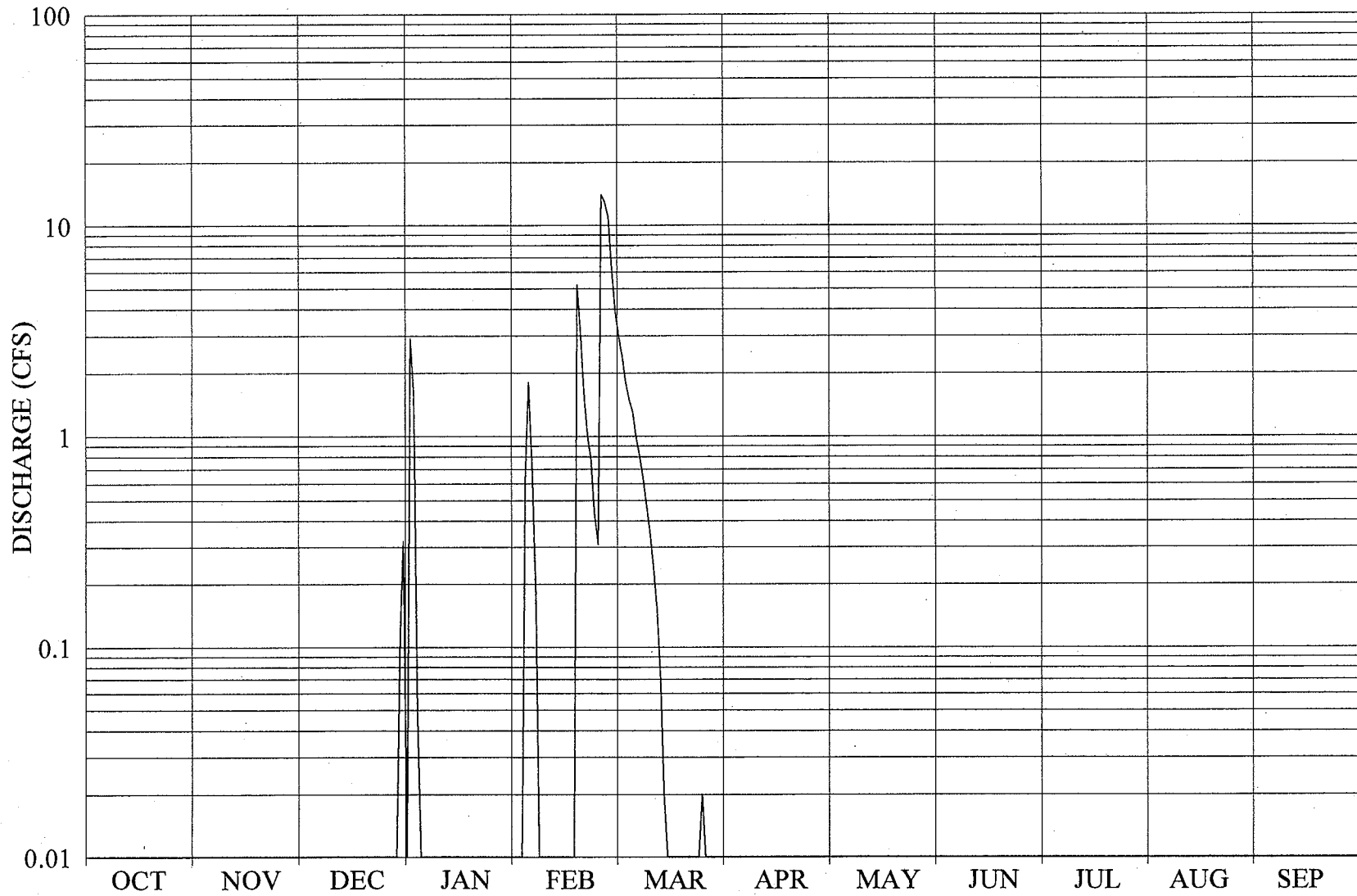


TABLE D-56

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
 POTRERO CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2003 TO SEP 2004

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	2.9	0	3.0	0	0	0	0	0	0
2	0	0	0	1.6	0	2.4	0	0	0	0	0	0
3	0	0	0	.05	.62	1.8	0	0	0	0	0	0
4	0	0	0	0	1.8	1.5	0	0	0	0	0	0
5	0	0	0	0	.67	1.3	0	0	0	0	0	0
6	0	0	0	0	.18	.99	0	0	0	0	0	0
7	0	0	0	0	.01	.81	0	0	0	0	0	0
8	0	0	0	0	0	.64	0	0	0	0	0	0
9	0	0	0	0	0	.47	0	0	0	0	0	0
10	0	0	0	0	0	.35	0	0	0	0	0	0
11	0	0	0	0	0	.24	0	0	0	0	0	0
12	0	0	0	0	0	.15	0	0	0	0	0	0
13	0	0	0	0	0	.07	0	0	0	0	0	0
14	0	0	0	0	0	.02	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	.01	0	0	0	0	0	0	0
18	0	0	0	0	5.2	0	0	0	0	0	0	0
19	0	0	0	0	3.1	0	0	0	0	0	0	0
20	0	0	0	0	1.6	0	0	0	0	0	0	0
21	0	0	0	0	1.0	0	0	0	0	0	0	0
22	0	0	0	0	.77	0	0	0	0	0	0	0
23	0	0	0	0	.43	0	0	0	0	0	0	0
24	0	0	0	0	.31	0	0	0	0	0	0	0
25	0	0	0	0	14	.02	0	0	0	0	0	0
26	0	0	0	0	13	0	0	0	0	0	0	0
27	0	0	0	0	11	0	0	0	0	0	0	0
28	0	0	0	0	6.2	0	0	0	0	0	0	0
29	0	0	.11	0	3.9	0	0	0	0	0	0	0
30	0	0	.32	0	-----	0	0	0	0	0	0	0
31	0	-----	0	0	-----	0	-----	0	-----	0	0	-----
TOTAL	0	0	0.43	4.55	63.80	13.76	0	0	0	0	0	0
MEAN	0	0	.014	.15	2.20	.44	0	0	0	0	0	0
MAX	0	0	.32	2.9	14	3.0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	.9	9.0	127	27	0	0	0	0	0	0
CAL YEAR 2003 TOTAL		39.22	MEAN	.11	MAX	6.6	MIN	0	AC-FT	78		
WTR YEAR 2004 TOTAL		82.54	MEAN	.23	MAX	14	MIN	0	AC-FT	164		

FIGURE D-57

POTRERO CREEK - WY 2005

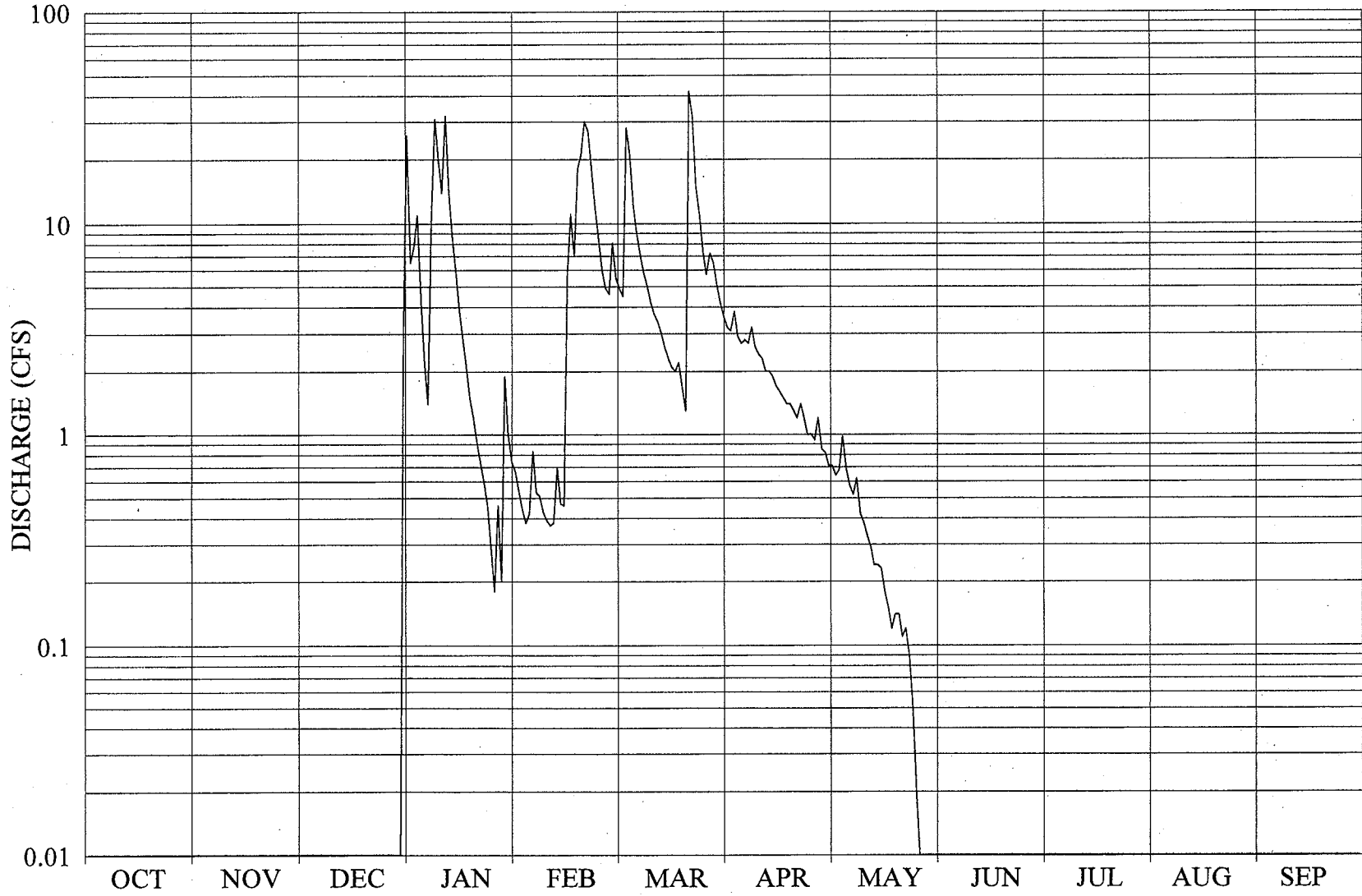


TABLE D-57

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
 POTRERO CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2004 TO SEP 2005

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	6.5	.54	5.5	3.6 e	.71	0	0	0	0
2	0	0	0	7.7	.44	4.9	3.2 e	.71	0	0	0	0
3	0	0	0	11	.38	4.5	3.1 e	.64	0	0	0	0
4	0	0	0	4.2	.42	28	3.8 e	.68	0	0	0	0
5	0	0	0	2.2	.83	21	2.9 e	.98	0	0	0	0
6	0	0	0	1.4	.53	12	2.7 e	.68	0	0	0	0
7	0	0	0	10	.51	8.9	2.8 e	.57	0	0	0	0
8	0	0	0	31	.43	7.1	2.7 e	.52	0	0	0	0
9	0	0	0	20	.39	5.8	3.2 e	.62	.01	0	0	0
10	0	0	0	14	.37	5.0	2.6 e	.42	0	0	0	0
11	0	0	0	32	.38	4.2	2.4 e	.38	0	0	0	0
12	0	0	0	14	.69	3.7	2.3 e	.33	0	0	0	0
13	0	0	0	8.7	.47	3.4	2.0 e	.29	0	0	0	0
14	0	0	0	5.8	.46	3.0	2.0	.24	0	0	0	0
15	0	0	0	3.9	5.5	2.6	1.9	.24	0	0	0	0
16	0	0	0	2.8	11	2.3	1.7	.23	0	0	0	0
17	0	0	0	2.1	7.0	2.1	1.6	.18	0	0	0	0
18	0	0	0	1.5	18	2.0	1.5	.15	0	0	0	0
19	0	0	0	1.2	21	2.2	1.4	.12	0	0	0	0
20	0	0	0	.92	30	1.7	1.4	.14	0	0	0	0
21	0	0	0	.74	27	1.3	1.3	.14	0	0	0	0
22	0	0	0	.60	18	42	1.2	.11	0	0	0	0
23	0	0	0	.46	12	32	1.4	.12	0	0	0	0
24	0	0	0	.29	8.4	15	1.2	.09	0	0	0	0
25	0	0	0	.18	6.0	11	1.0	.05	0	0	0	0
26	0	0	0	.46	4.9	7.4	1.0	.02	0	0	0	0
27	0	0	.01	.20	4.6	5.7	.94	.01	0	0	0	0
28	0	0	0	1.9	8.1	7.2	1.2	0	0	0	0	0
29	0	0	0	1.0	-----	6.5e	.85	0	0	0	0	0
30	0	0	3.0	.74	-----	5.1e	.82	0	0	0	0	0
31	0	-----	26	.67	-----	4.2e	-----	0	-----	0	0	-----
TOTAL	0	0	29.01	188.16	188.34	267.3	59.71	9.37	0.01	0	0	0
MEAN	0	0	.94	6.07	6.73	8.62	1.99	.30	0	0	0	0
MAX	0	0	26	32	30	42	3.8	.98	.01	0	0	0
MIN	0	0	0	.18	.37	1.3	.82	0	0	0	0	0
AC-FT	0	0	58	373	374	530	118	19	.02	0	0	0
CAL YEAR 2004 TOTAL		111.12	MEAN	.30	MAX	26	MIN	0	AC-FT	220		
WTR YEAR 2005 TOTAL		741.90	MEAN	2.03	MAX	42	MIN	0	AC-FT	1,470		

e - Estimated daily discharge based on comparison with Robinson Canyon Creek.

FIGURE D-58

POTRERO CREEK - WY 2006

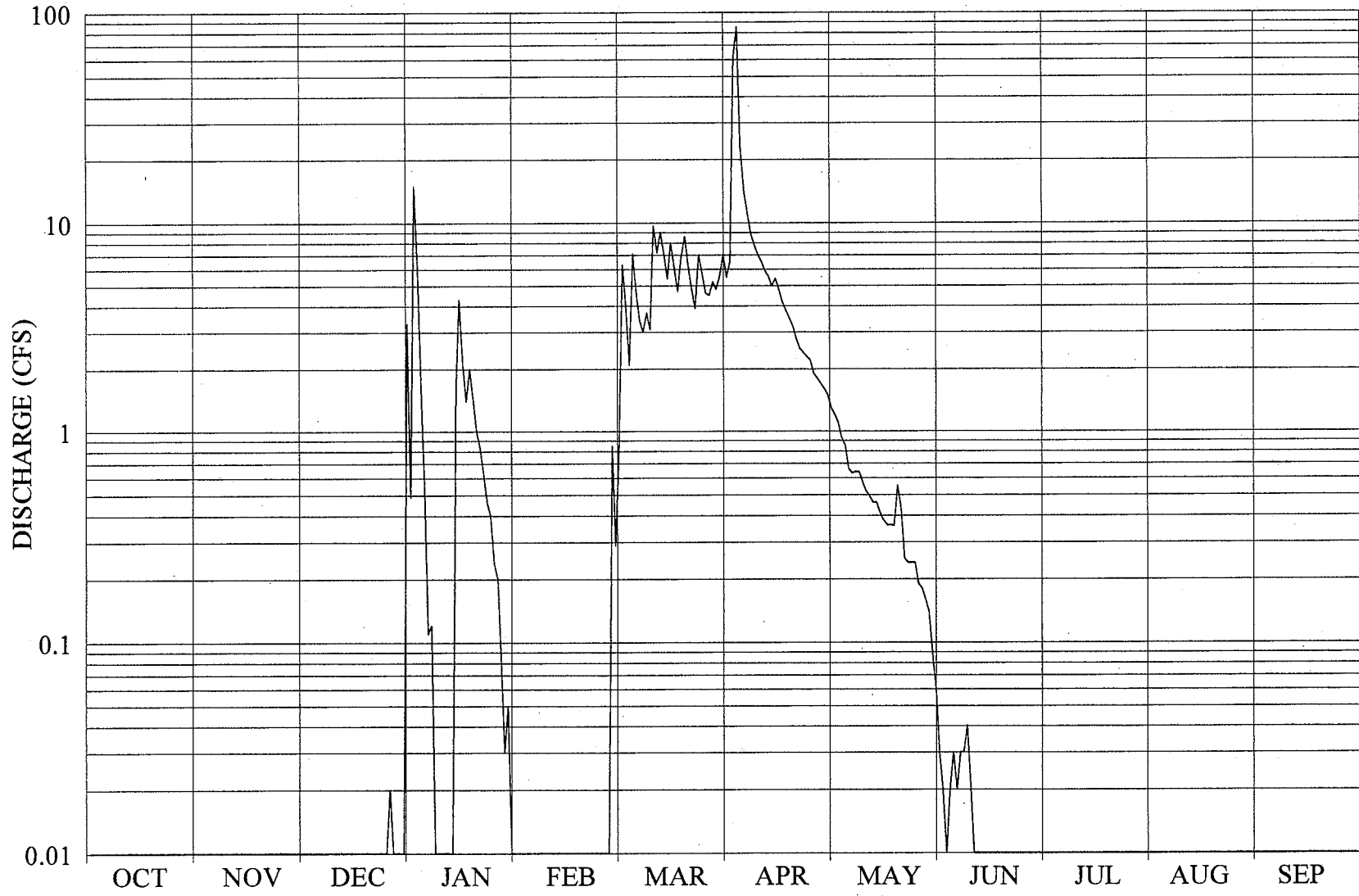


TABLE D-58

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
 POTRERO CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2005 TO SEP 2006

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	.49	0	.29	7.0	1.5	.06e	0	0	0
2	0	0	0	15	0	.79	5.5	1.3	.03e	0	0	0
3	0	0	0	6.5	0	6.3	6.5	1.2	.02e	0	0	0
4	0	0	0	1.6	0	4.0	61	1.1	.01e	0	0	0
5	0	0	0	.52	0	2.1	85	.93	.02e	0	0	0
6	0	0	0	.11	0	7.1	23	.85	.03	0	0	0
7	0	0	0	.12	0	4.6	14	.66	.02	0	0	0
8	0	0	0	0	0	3.4	11	.63	.03	0	0	0
9	0	0	0	0	0	3.0	8.8	.64	.03	0	0	0
10	0	0	0	0	0	3.7	7.8	.64	.04	0	0	0
11	0	0	0	0	0	3.1	7.0	.57	.02	0	0	0
12	0	0	0	0	0	9.7	6.5	.52	.01	0	0	0
13	0	0	0	0	0	7.2	5.9	.49	.01	0	0	0
14	0	0	0	1.6	0	9.0	5.5	.46	.01	0	0	0
15	0	0	0	4.3	0	7.1	5.0	.46	.01	0	0	0
16	0	0	0	2.1	0	5.4	5.4	.41	0	0	0	0
17	0	0	0	1.4	0	8.0	4.8	.38	0	0	0	0
18	0	0	0	2.0	0	6.1	4.2	.36	0	0	0	0
19	0	0	0	1.4	0	4.7	3.8	.36	0	0	0	0
20	0	0	0	.99	0	6.8	3.5	.36	0	0	0	0
21	0	0	0	.83	0	8.6	3.2	.55	0	0	0	0
22	0	0	0	.63	0	6.2	2.8	.43	0	0	0	0
23	0	0	0	.46	0	4.8	2.5	.25	0	0	0	0
24	0	0	0	.40	0	3.9	2.4	.24	0	0	0	0
25	0	0	0	.24	0	7.0	2.3	.24	0	0	0	0
26	0	0	.02	.20	0	5.7	2.2	.24	0	0	0	0
27	0	0	0	.08	0	4.6	1.9	.19	0	0	0	0
28	0	0	0	.03	.85	4.5	1.8	.18	0	0	0	0
29	0	0	0	.05	-----	5.2	1.7	.16	0	0	0	0
30	0	0	0	.01	-----	4.8	1.6	.14	0	0	0	0
31	0	-----	3.3	0	-----	5.5	-----	.09	-----	0	0	-----
TOTAL	0	0	3.32	41.06	0.85	163.18	303.6	16.53	0.35	0	0	0
MEAN	0	0	.11	1.32	.030	5.26	10.1	.53	.012	0	0	0
MAX	0	0	3.3	15	.85	9.7	85	1.5	.06	0	0	0
MIN	0	0	0	0	0	.29	1.6	.09	0	0	0	0
AC-FT	0	0	6.6	81	1.7	324	602	33	.7	0	0	0
CAL YEAR 2005 TOTAL		716.21	MEAN	1.96	MAX	42	MIN	0	AC-FT	1,420		
WTR YEAR 2006 TOTAL		528.89	MEAN	1.45	MAX	85	MIN	0	AC-FT	1,050		

FIGURE D-59

POTRERO CREEK - WY 2007

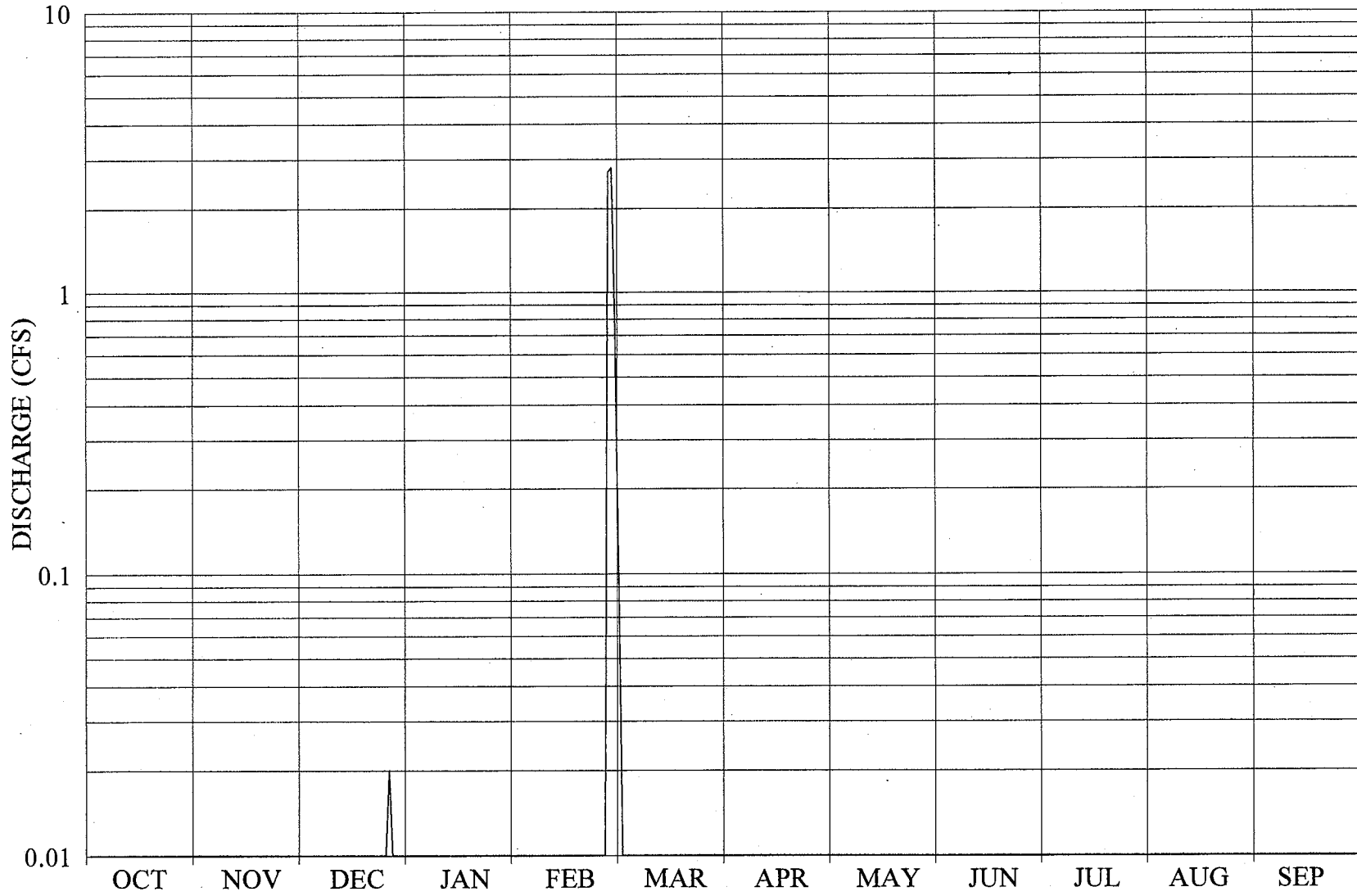


TABLE D-59

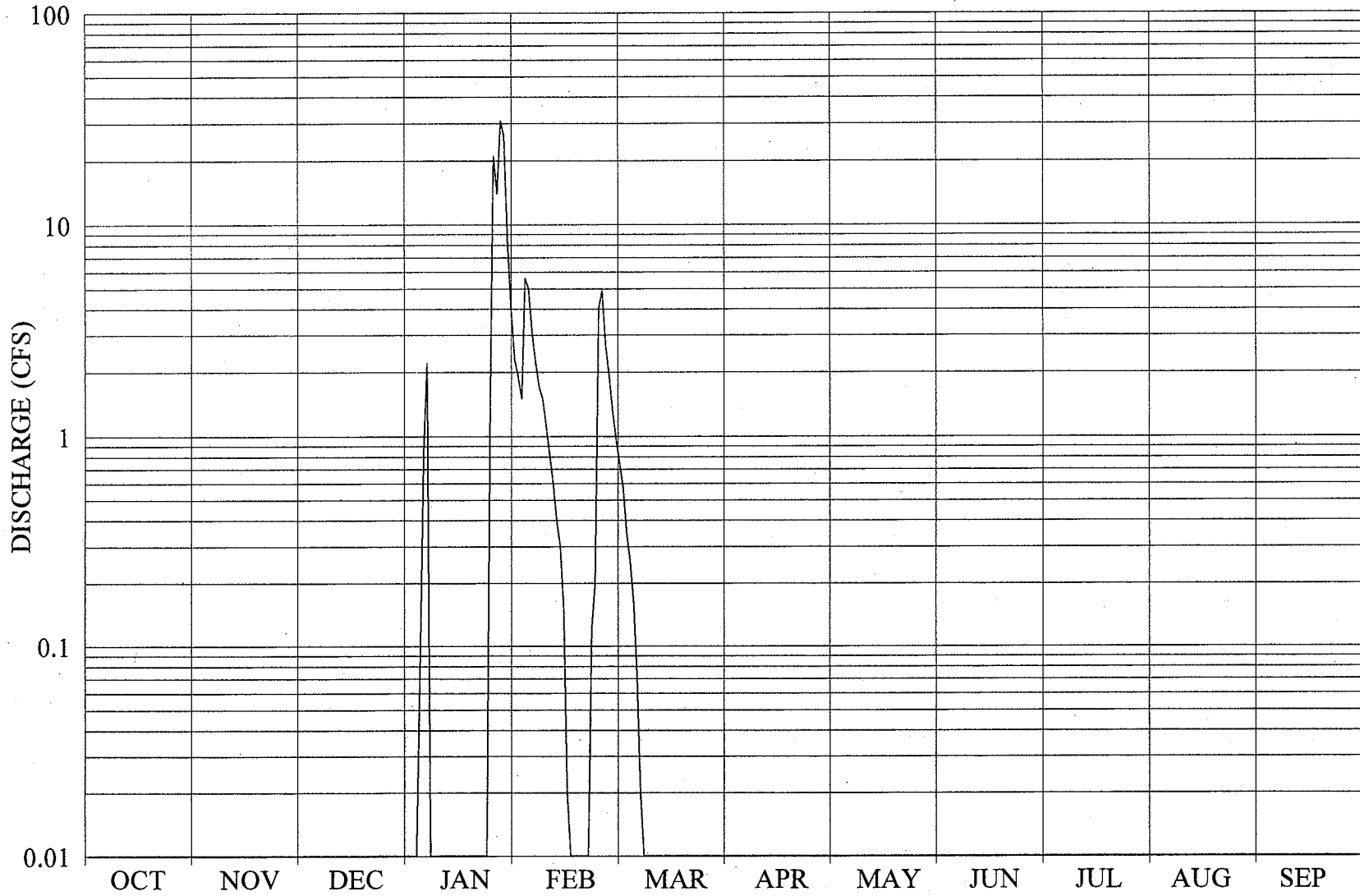
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
 POTRERO CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2006 TO SEP 2007

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	.73	0	0	0	0	0	0
2	0	0	0	0	0	.10	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	.01	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	.01	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	.02	0	0	0	0	0	0	0	0	0
27	0	0	0	0	2.7	0	0	0	0	0	0	0
28	0	0	0	0	2.8	0	0	0	0	0	0	0
29	0	0	0	0	-----	0	0	0	0	0	0	0
30	0	0	0	0	-----	0	0	0	0	0	0	0
31	0	-----	0	0	-----	0	-----	0	-----	0	0	-----
TOTAL	0	0	0.03	0	5.5	0.83	0.01	0	0	0	0	0
MEAN	0	0	.001	0	.20	.027	0	0	0	0	0	0
MAX	0	0	.02	0	2.8	.73	.01	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	.06	0	11	1.6	.02	0	0	0	0	0
CAL YEAR 2006	TOTAL	525.60	MEAN	1.44	MAX	85	MIN	0	AC-FT	1,040		
WTR YEAR 2007	TOTAL	6.37	MEAN	.017	MAX	2.8	MIN	0	AC-FT	13		

FIGURE D-60

POTRERO CREEK - WY 2008



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TABLE D-60

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
 POTRERO CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2007 TO SEP 2008

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	1.9	.75	0	0	0	0	0	0
2	0	0	0	0	1.5	.57	0	0	0	0	0	0
3	0	0	0	0	5.6	.35	0	0	0	0	0	0
4	0	0	0	.09	5.0	.26	0	0	0	0	0	0
5	0	0	0	.85	3.0	.16	0	0	0	0	0	0
6	0	0	0	2.2	2.2	.07	0	0	0	0	0	0
7	0	0	0	0	1.7	.02	0	0	0	0	0	0
8	0	0	0	0	1.5	0	0	0	0	0	0	0
9	0	0	0	0	1.1	0	0	0	0	0	0	0
10	0	0	0	0	.81	0	0	0	0	0	0	0
11	0	0	0	0	.60	0	0	0	0	0	0	0
12	0	0	0	0	.39	0	0	0	0	0	0	0
13	0	0	0	0	.30	0	0	0	0	0	0	0
14	0	0	0	0	.15	0	0	0	0	0	0	0
15	0	0	0	0	.02	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	.01	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	.12	0	0	0	0	0	0	0
23	0	0	0	0	.20	0	0	0	0	0	0	0
24	0	0	0	1.4	4.0	0	0	0	0	0	0	0
25	0	0	0	21	4.9	0	0	0	0	0	0	0
26	0	0	0	14	2.7	0	0	0	0	0	0	0
27	0	0	0	31	1.9	0	0	0	0	0	0	0
28	0	0	0	26	1.3	0	0	0	0	0	0	0
29	0	0	0	8.5	.97	0	0	0	0	0	0	0
30	0	0	0	3.9	-----	0	0	0	0	0	0	0
31	0	-----	0	2.3	-----	0	-----	0	-----	0	0	-----
TOTAL	0	0	0	111.24	41.87	2.18	0	0	0	0	0	0
MEAN	0	0	0	3.59	1.44	.070	0	0	0	0	0	0
MAX	0	0	0	31	5.6	.75	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	221	83	4.3	0	0	0	0	0	0
CAL YEAR 2007 TOTAL		6.34	MEAN	.017	MAX	2.8	MIN	0	AC-FT	13		
WTR YEAR 2008 TOTAL		155.29	MEAN	.42	MAX	31	MIN	0	AC-FT	308		

FIGURE D-61

CARMEL RIVER AT HIGHWAY 1 BRIDGE - WY 2004

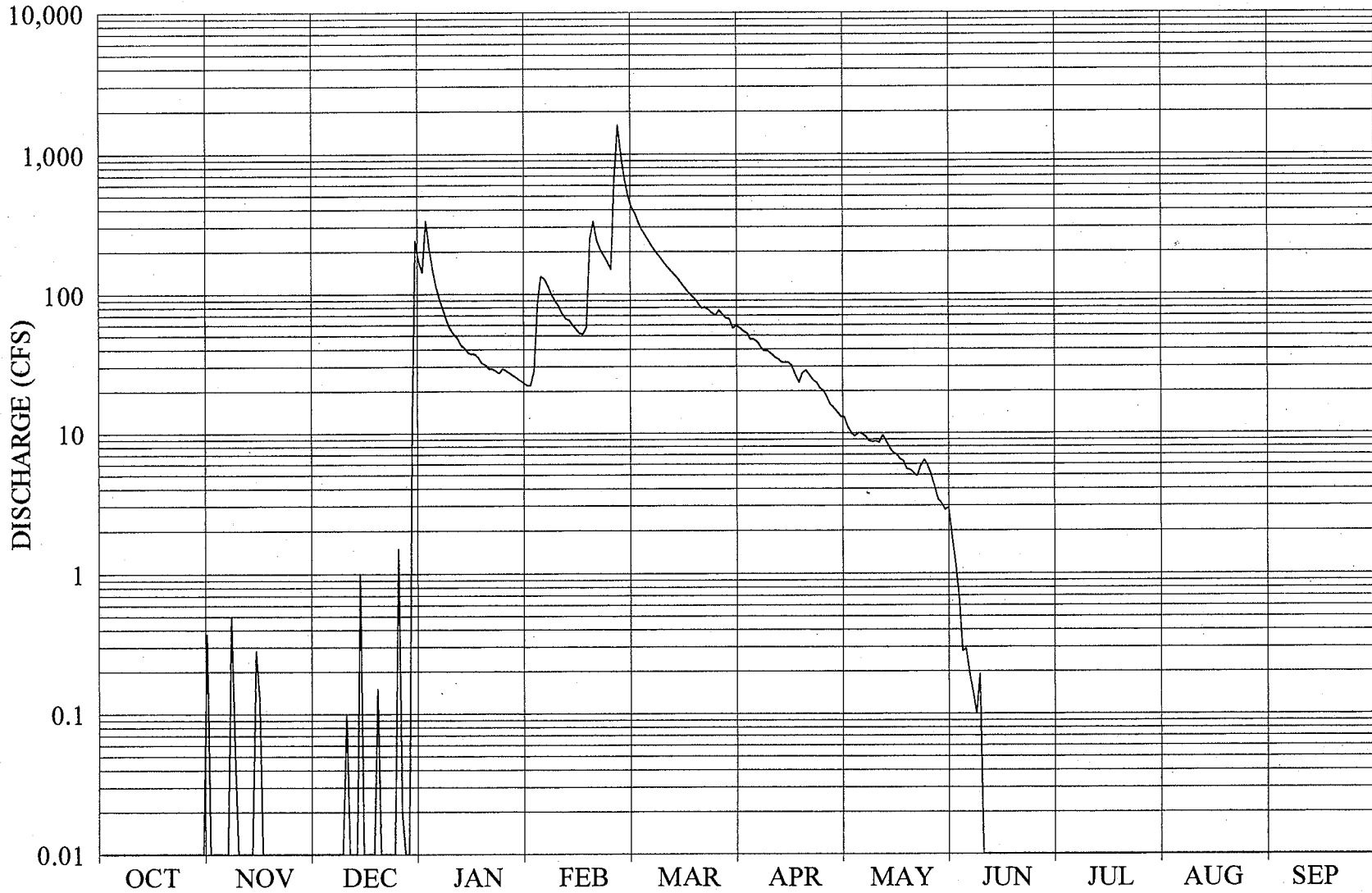


TABLE D-61

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
 CARMEL RIVER AT HIGHWAY 1 BRIDGE

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2003 TO SEP 2004

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	143	22	412	57	13	1.8	0	0	0
2	0	0	0	331	28	370	54	11	1.2	0	0	0
3	0	.01	0	214	84	319	52	10	.68	0	0	0
4	0	0	0	147	133	284	47	9.5	.28	0	0	0
5	0	0	0	111	128	256	47	10	.29	0	0	0
6	0	0	0	91	114	234	45	9.9	.19	0	0	0
7	0	.50	0	77	100	214	41	9.5	.14	0	0	0
8	0	.05	0	64	90	197	39	8.8	.10	0	0	0
9	0	0	0	56	82	183	39	8.6	.19	0	0	0
10	0	0	.10	51	73	169	37	8.7	0	0	0	0
11	0	0	0	48	67	157	35	8.5	0	0	0	0
12	0	0	0	43	65	147	34	9.6	0	0	0	0
13	0	0	0	41	60	138	32	8.7	0	0	0	0
14	0	.28	.99	38	56	130	32	7.8	0	0	0	0
15	0	.13	0	37	52	120	32	7.2	0	0	0	0
16	0	0	0	37	51	112	30	7.0	0	0	0	0
17	0	0	0	35	58	104	26	6.5	0	0	0	0
18	0	0	0	32	245	98	23	6.3	0	0	0	0
19	0	0	.15	31	328	93	27	5.5	0	0	0	0
20	0	0	0	29	241	85	28	5.4	0	0	0	0
21	0	0	0	29	206	79	26	5.1	0	0	0	0
22	0	0	0	28	186	80	24	4.9	0	0	0	0
23	0	0	0	27	169	77	23	5.8	0	0	0	0
24	0	0	0	29	150	73	21	6.4	0	0	0	0
25	0	0	1.5	28	671	70	20	5.8	0	0	0	0
26	0	0	.02	27	1,590	76	18	5.0	0	0	0	0
27	0	0	0	26	945	71	16	4.1	0	0	0	0
28	0	0	0	25	650	67	15	3.3	0	0	0	0
29	0	0	11	24	494	66	14	3.1	0	0	0	0
30	0	0	240	23	-----	57	13	2.8	0	0	0	0
31	.37	-----	171	22	-----	59	-----	2.9	-----	0	0	-----
TOTAL	0.37	0.97	424.76	1,944	7,138	4,597	947	220.7	4.87	0	0	0
MEAN	.012	.032	13.7	62.7	246	148	31.6	7.12	.16	0	0	0
MAX	.37	.50	240	331	1,590	412	57	13	1.8	0	0	0
MIN	0	0	0	22	22	57	13	2.8	0	0	0	0
AC-FT	.7	1.9	843	3,860	14,160	9,120	1,880	438	9.7	0	0	0
CAL YEAR 2003	TOTAL	19,221.17	MEAN	52.7	MAX	434	MIN	0	AC-FT	38,130		
WTR YEAR 2004	TOTAL	15,277.67	MEAN	41.7	MAX	1,590	MIN	0	AC-FT	30,300		

FIGURE D-62

CARMEL RIVER AT HIGHWAY 1 BRIDGE - WY 2005

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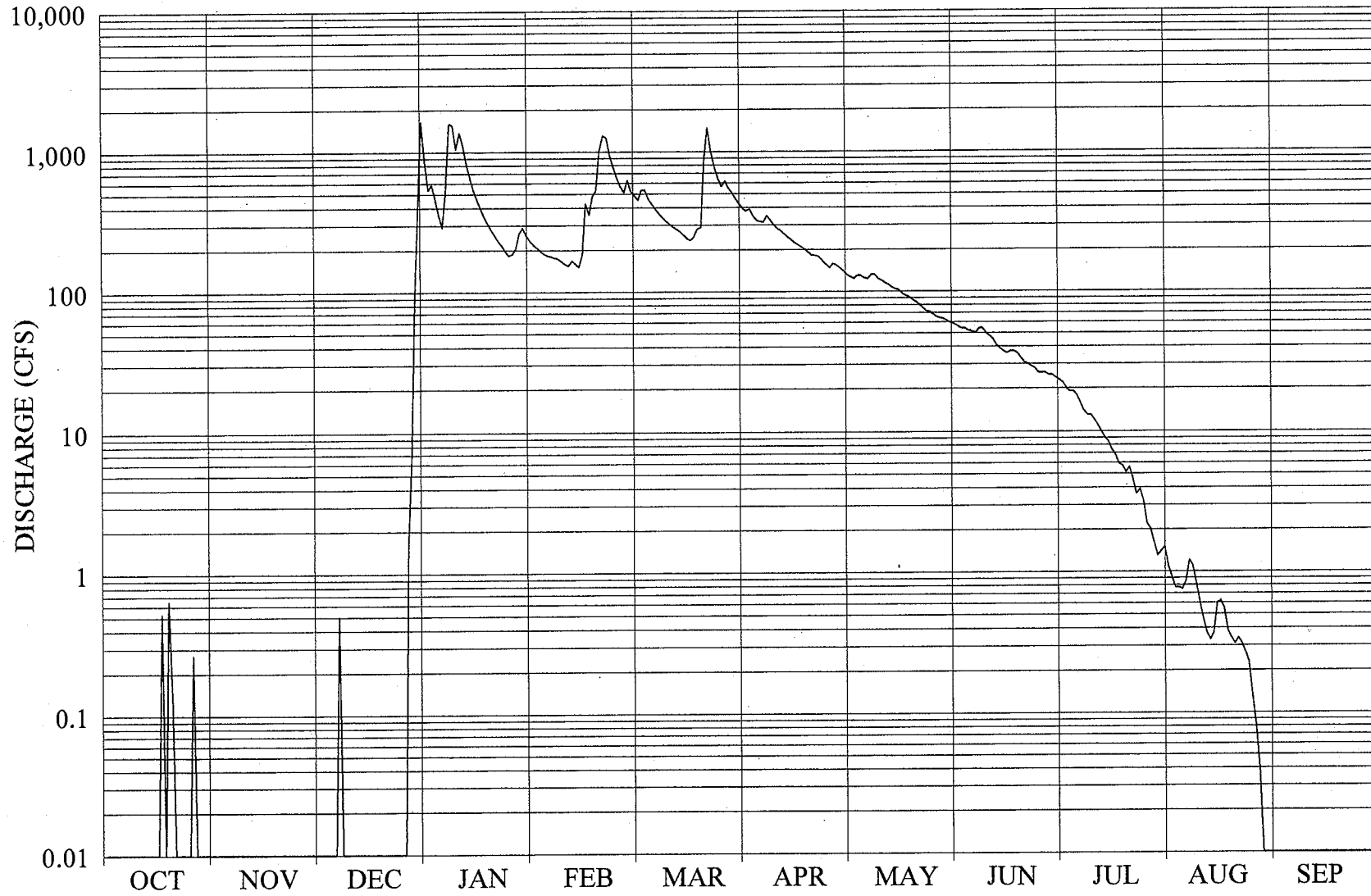


TABLE D-62

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
 CARMEL RIVER AT HIGHWAY 1 BRIDGE

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2004 TO SEP 2005

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	850	219	521	424	141	59	24	1.5	0
2	0	0	0	537	208	485	394	132	58	23	1.1	0
3	0	0	0	588	197	452	376	128	56	22	.92	0
4	0	0	0	455	189	532	388	124	54	20	.77	0
5	0	0	0	355	182	532	348	130	54	19	.77	0
6	0	0	0	292	180	456	324	130	52	19	.75	0
7	0	0	.50	515	176	420	316	125	51	18	.85	0
8	0	0	0	1,590	174	390	314	123	50	16	1.2	0
9	0	0	0	1,560	166	362	348	132	54	14	1.1	0
10	0	0	0	1,050	159	338	324	132	54	13	.83	0
11	0	0	0	1,360	154	321	299	124	50	13	.60	0
12	0	0	0	1,110	168	305	283	120	48	12	.47	0
13	0	0	0	822	159	292	273	115	45	11	.37	0
14	0	0	0	649	151	280	259	112	41	10	.33	0
15	0	0	0	536	184	270	247	107	39	9.0	.37	0
16	0	0	0	455	427	255	235	104	37	8.5	.60	0
17	.53	0	0	394	358	241	225	102	36	7.4	.62	0
18	0	0	0	347	482	234	217	96	37	6.8	.55	0
19	.65	0	0	308	528	248	209	93	37	5.9	.38	0
20	.14	0	0	278	1,000	280	200	91	36	5.7	.34	0
21	0	0	0	254	1,300	287	191	87	33	5.1	.31	0
22	0	0	0	233	1,260	857	182	84	31	5.6	.34	0
23	0	0	0	215	947	1,470	181	80	30	4.6	.31	0
24	0	0	0	196	763	1,010	178	76	29	3.6	.27	0
25	0	0	0	182	648	769	166	72	28	3.9	.23	0
26	.27	0	0	189	564	643	157	71	26	3.2	.13	0
27	0	0	1.6	205	510	564	148	68	26	2.2	.08	0
28	0	0	7.2	264	624	617	158	65	26	2.0	.04	0
29	0	0	97	287	-----	548	154	64	25	1.6	0	0
30	0	0	387	253	-----	507	148	63	25	1.3	0	0
31	0	-----	1,650	233	-----	461	-----	61	-----	1.4	0	-----
TOTAL	1.59	0	2,143.30	16,562	12,077	14,947	7,666	3,152	1,227	311.8	16.13	0
MEAN	.051	0	69.1	534	431	482	256	102	40.9	10.1	.52	0
MAX	.65	0	1,650	1,590	1,300	1,470	424	141	59	24	1.5	0
MIN	0	0	0	182	151	234	148	61	25	1.3	0	0
AC-FT	3.2	0	4,250	32,850	23,950	29,650	15,210	6,250	2,430	618	32	0
CAL YEAR 2004	TOTAL	16,996.46	MEAN	46.4	MAX	1,650	MIN	0	AC-FT	33,710		
WTR YEAR 2005	TOTAL	58,103.82	MEAN	159	MAX	1,650	MIN	0	AC-FT	115,200		

FIGURE D-63

CARMEL RIVER AT HIGHWAY 1 BRIDGE - WY 2006

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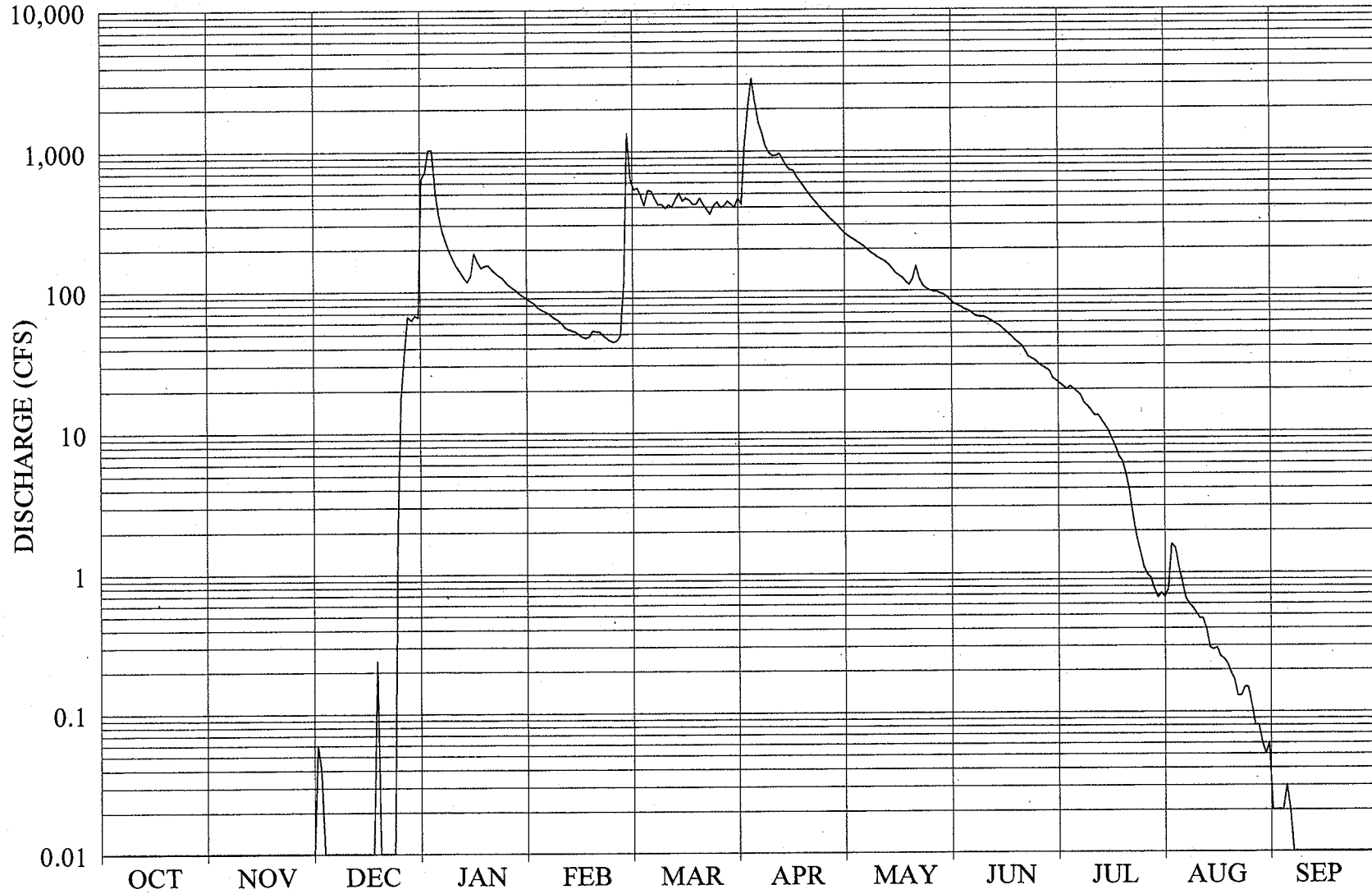


TABLE D-63

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
 CARMEL RIVER AT HIGHWAY 1 BRIDGE

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2005 TO SEP 2006

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	.06	716	83	638	461	269	84	23	.67	.02
2	0	0	.04	1,030	78	535	418	255	80	22	.76	.02
3	0	0	0	1,030	75	544	1,110	244	78	21	1.6	.02
4	0	0	0	512	73	486	2,080	235	76	20	1.5	.02
5	0	0	0	350	71	411	3,280	227	73	21	1.1	.03
6	0	0	0	270	68	527	2,250	218	72	20	.86	.02
7	0	0	0	227	65	524	1,590	210	69	19	.65	0
8	0	0	0	192	63	463	1,340	199	66	18	.59	0
9	0	0	0	170	60	417	1,080	189	65	16	.56	0
10	0	0	0	151	56	419	973	181	65	15	.51	0
11	0	0	0	138	54	393	925	174	64	14	.47	0
12	0	0	0	126	53	416	932	168	62	13	.47	0
13	0	0	0	117	52	401	961	163	60	13	.39	0
14	0	0	0	130	50	454	859	156	58	12	.29	0
15	0	0	0	189	48	505	787	145	56	11	.28	0
16	0	0	0	162	47	445	732	135	53	10	.29	0
17	0	0	0	148	48	465	727	129	50	8.8	.25	0
18	0	0	.24	153	53	450	652	124	48	7.7	.24	0
19	0	0	0	154	52	418	599	116	45	6.6	.22	0
20	0	0	0	144	52	419	554e	110	43	6.1	.19	0
21	0	0	0	137	49	465	512e	121	41	4.9	.17	0
22	0	0	0	131	47	417	475e	150	38	3.7	.13	0
23	0	0	0	125	45	385	443e	120	34	2.5	.13	0
24	0	0	2.0	117	44	354	413e	108	33	1.8	.15	0
25	0	0	18	111	45	409	385e	103	32	1.4	.15	0
26	0	0	37	106	49	436	361e	100	30	1.1	.11	0
27	0	0	67	102	115	396	340e	98	29	.97	.08	0
28	0	0	63	97	1,350	407	322e	98	28	.91	.08	0
29	0	0	68	93	-----	441	305	95	27	.76	.06	0
30	0	0	66	90	-----	421	287	93	24	.66	.05	0
31	0	-----	643	86	-----	396	-----	89	-----	.71	.06	-----
TOTAL	0	0	964.34	7,304	2,945	13,857	26,153	4,822	1,583	316.61	13.06	0.13
MEAN	0	0	31.1	236	105	447	872	156	52.8	10.2	.42	.004
MAX	0	0	643	1,030	1,350	638	3,280	269	84	23	1.6	.03
MIN	0	0	0	86	44	354	287	89	24	.66	.05	0
AC-FT	0	0	1,910	14,490	5,840	27,490	51,870	9,560	3,140	628	26	.3

CAL YEAR 2005	TOTAL	56,923.27	MEAN	156	MAX	1,590	MIN	0	AC-FT	112,900
WTR YEAR 2006	TOTAL	57,958.14	MEAN	159	MAX	3,280	MIN	0	AC-FT	115,000

FIGURE D-64

CARMEL RIVER AT HIGHWAY 1 BRIDGE - WY 2007

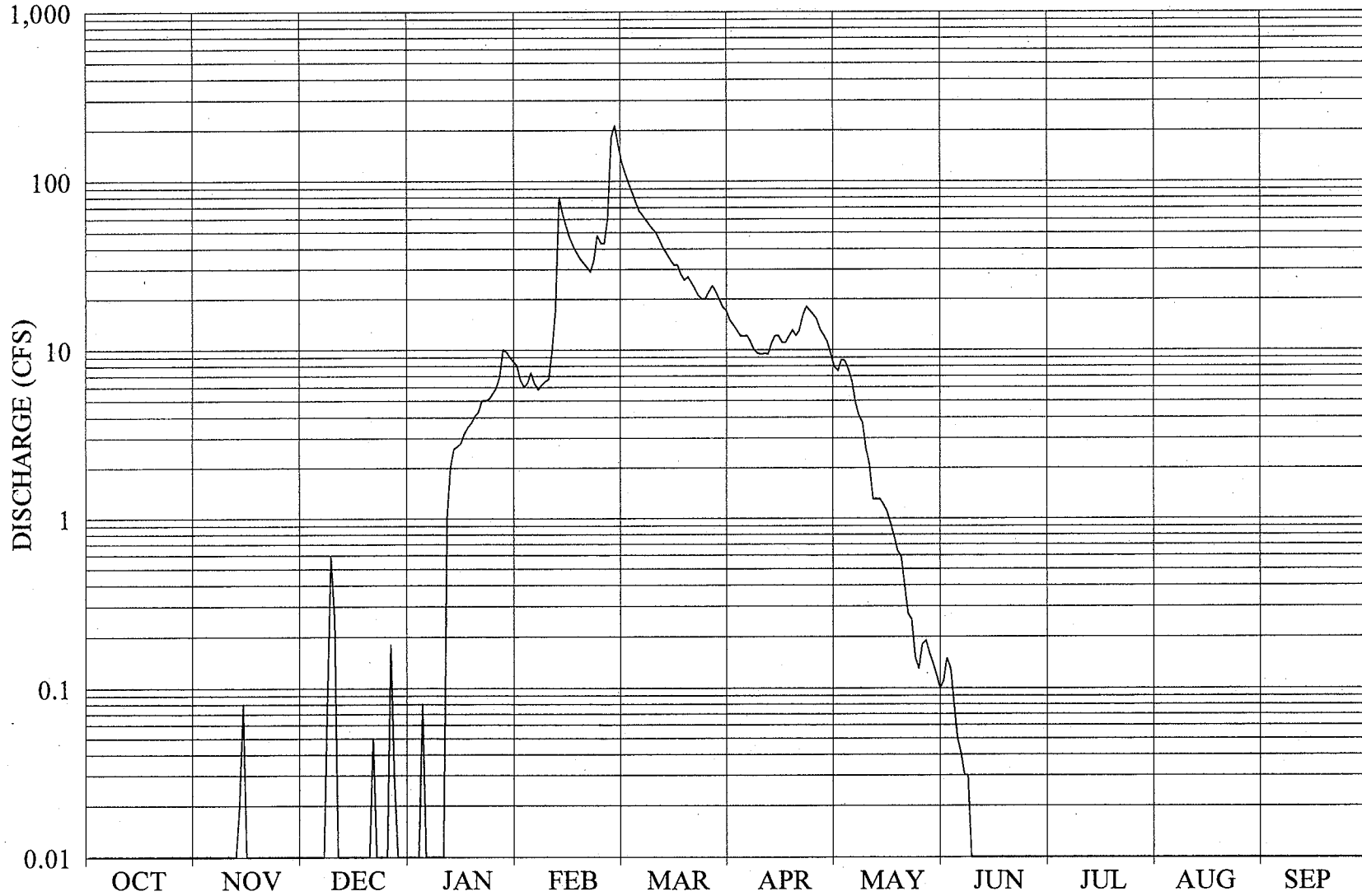


TABLE D-64

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
 CARMEL RIVER AT HIGHWAY 1 BRIDGE

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2006 TO SEP 2007

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	6.6	165	17	9.4	.10	0	0	0
2	0	0	0	0	6.0	130	15	7.9	.11	0	0	0
3	0	0	0	0	6.4	111	14	7.5	.15	0	0	0
4	0	0	0	.08	7.3	97	13	8.7	.13	0	0	0
5	0	0	0	0	6.3	86	12	8.6	.08	0	0	0
6	0	0	0	0	5.8	75	12	7.6	.05	0	0	0
7	0	0	0	0	6.2	67	12	6.5	.04	0	0	0
8	0	0	.09	0	6.5	63	11	4.9	.03	0	0	0
9	0	0	.59	0	6.7	59	10	4.1	.03	0	0	0
10	0	0	.25	0	9.8	55	9.5	3.7	.01	0	0	0
11	0	0	0	1.0	17	52	9.4	2.6	.01	0	0	0
12	0	0	0	2.0	80	49	9.5	2.1	0	0	0	0
13	0	.02	0	2.6	65	44	9.4	1.3	0	0	0	0
14	0	.08	0	2.7	55	40	11	1.3	0	0	0	0
15	0	0	0	2.8	47	37	12	1.3	0	0	0	0
16	0	0	0	3.2	42	34	12	1.2	0	0	0	0
17	0	0	0	3.5	38	32	11	1.1	0	0	0	0
18	0	0	0	3.7	35 e	32	11	.93	0	0	0	0
19	0	0	0	4.1	33 e	28	12	.78	0	0	0	0
20	0	0	0	4.3	31	26	13	.64	0	0	0	0
21	0	0	.05	5.0	29	27	12	.58	0	0	0	0
22	0	0	0	5.0	34	25	13	.39	0	0	0	0
23	0	0	0	5.1	48	23	16	.27	0	0	0	0
24	0	0	0	5.5	43 e	21	18	.25	0	0	0	0
25	0	0	0	5.9	43 e	20	17	.15	0	0	0	0
26	0	0	.18	6.9	61	20	16 e	.13	0	0	0	0
27	0	0	.03	10	182	22	15 e	.18	0	0	0	0
28	0	0	0	9.7	213	24	13 e	.19	0	0	0	0
29	0	0	0	9.0	-----	22	12	.16	0	0	0	0
30	0	0	0	8.5	-----	20	11	.14	0	0	0	0
31	0	-----	0	8.0	-----	18	-----	.12	-----	0	0	-----
TOTAL	0	0.10	1.19	108.58	1,163.6	1,524	378.8	84.71	0.74	0	0	0
MEAN	0	.003	.038	3.50	41.6	49.2	12.6	2.73	.025	0	0	0
MAX	0	.08	.59	10	213	165	18	9.4	.15	0	0	0
MIN	0	0	0	0	5.8	18	9.4	.12	0	0	0	0
AC-FT	0	.2	2.4	215	2,310	3,020	751	168	1.5	0	0	0
CAL YEAR 2006	TOTAL	56,995.09	MEAN	156	MAX	3,280	MIN	0	AC-FT	113,000		
WTR YEAR 2007	TOTAL	3,261.72	MEAN	8.94	MAX	213	MIN	0	AC-FT	6,470		

FIGURE D-65

CARMEL RIVER AT HIGHWAY 1 BRIDGE - WY 2008

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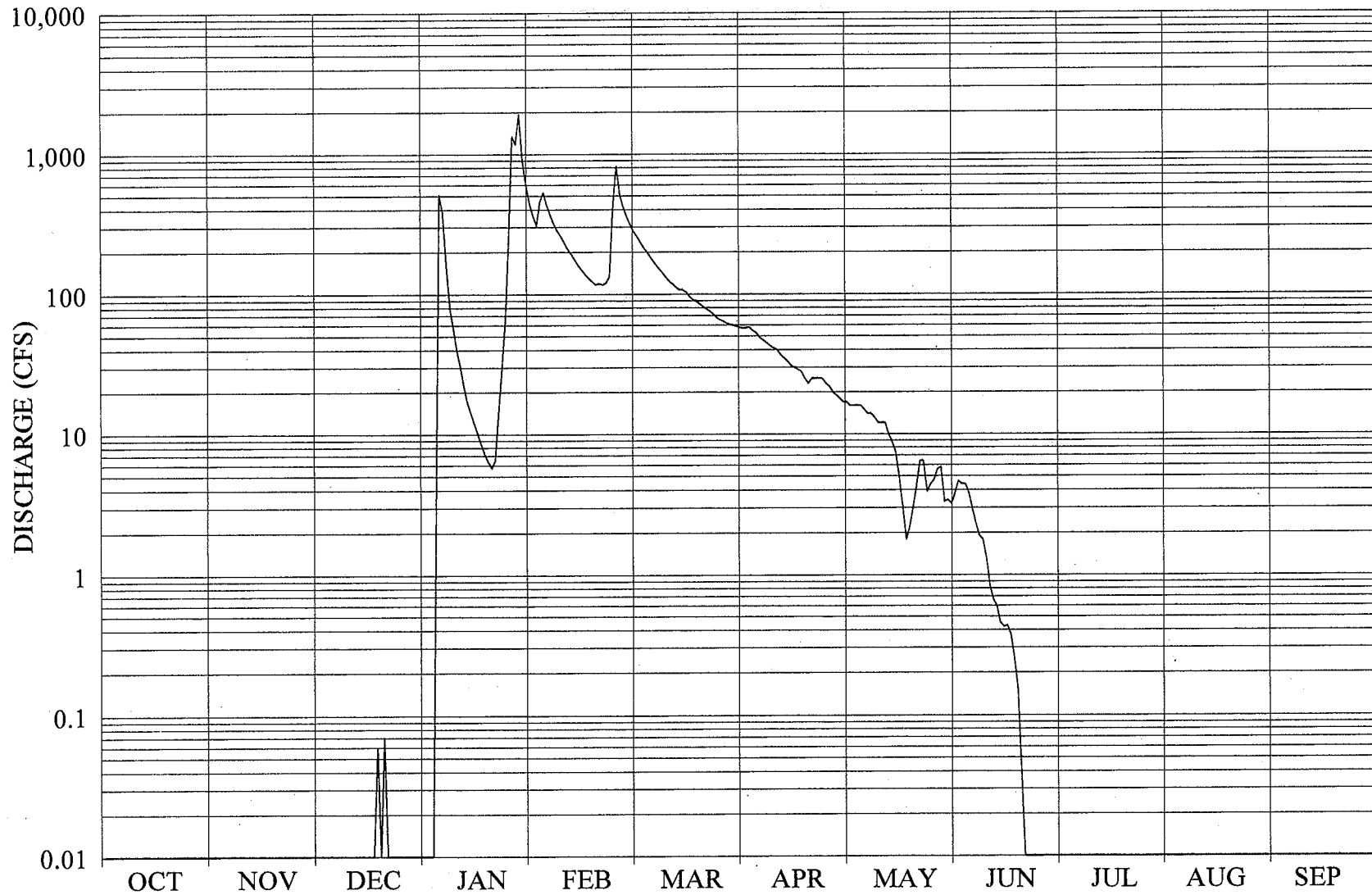


TABLE D-65

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
 CARMEL RIVER AT HIGHWAY 1 BRIDGE

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2007 TO SEP 2008

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	364	277	57	17	3.8	0	0	0
2	0	0	0	0	306	253	57	16	4.6	0	0	0
3	0	0	0	0	456	230	58	16	4.4	0	0	0
4	0	0	0	4.4	526	211	55	16	4.4	0	0	0
5	0	0	0	509 e	426	195	53	16	3.8	0	0	0
6	0	0	0	381	362	179	49	15	2.9	0	0	0
7	0	0	0	167	315	166	47	14	2.3	0	0	0
8	0	0	0	80	282	154	45	14	1.9	0	0	0
9	0	0	0	57	256	144	43	13	1.8	0	0	0
10	0	0	0	40	231	134	41	12	1.3	0	0	0
11	0	0	0	30	209	125	40	12	.84	0	0	0
12	0	0	0	22	191	119	37	12	.66	0	0	0
13	0	0	0	17	175	113	35	10	.59	0	0	0
14	0	0	0	14	160	108	33	8.8	.45	0	0	0
15	0	0	0	12	149	107	31	7.4	.42	0	0	0
16	0	0	0	10	139	104	30	5.1	.43	0	0	0
17	0	0	0	8.4	130	96	29	3.0	.37	0	0	0
18	0	0	.06	7.2	124	91	28	1.8	.25	0	0	0
19	0	0	0	6.3	117	89	25	2.2	.15	0	0	0
20	0	0	.07	5.7	119	85	23	3.1	.04	0	0	0
21	0	0	0	6.5	117	81	25	4.3	0	0	0	0
22	0	0	0	14	121	78	25e	6.4	0	0	0	0
23	0	0	0	31	135	75	25	6.4	0	0	0	0
24	0	0	0	67	429	71	25	3.9	0	0	0	0
25	0	0	0	245	817	67	23	4.4	0	0	0	0
26	0	0	0	1,340	511	65	22	4.7	0	0	0	0
27	0	0	0	1,180	410	63	20	5.6	0	0	0	0
28	0	0	0	1,940	352	61	19	5.8	0	0	0	0
29	0	0	0	910	309	60	18	3.3	0	0	0	0
30	0	0	0	597	-----	59	17	3.4	0	0	0	0
31	0	-----	0	445	-----	58	-----	3.2	-----	0	0	-----
TOTAL	0	0	0.13	8,146.5	8,238	3,718	1,035	265.8	35.40	0	0	0
MEAN	0	0	.004	263	284	120	34.5	8.57	1.18	0	0	0
MAX	0	0	.07	1,940	817	277	58	17	4.6	0	0	0
MIN	0	0	0	0	117	58	17	1.8	0	0	0	0
AC-FT	0	0	.3	16,160	16,340	7,370	2,050	527	70	0	0	0
CAL YEAR 2007	TOTAL	3,260.56	MEAN	8.93	MAX	213	MIN	0	AC-FT	6,470		
WTR YEAR 2008	TOTAL	21,438.83	MEAN	58.6	MAX	1,940	MIN	0	AC-FT	42,520		

FIGURE D-66

SAN JOSE CREEK - WY 2004

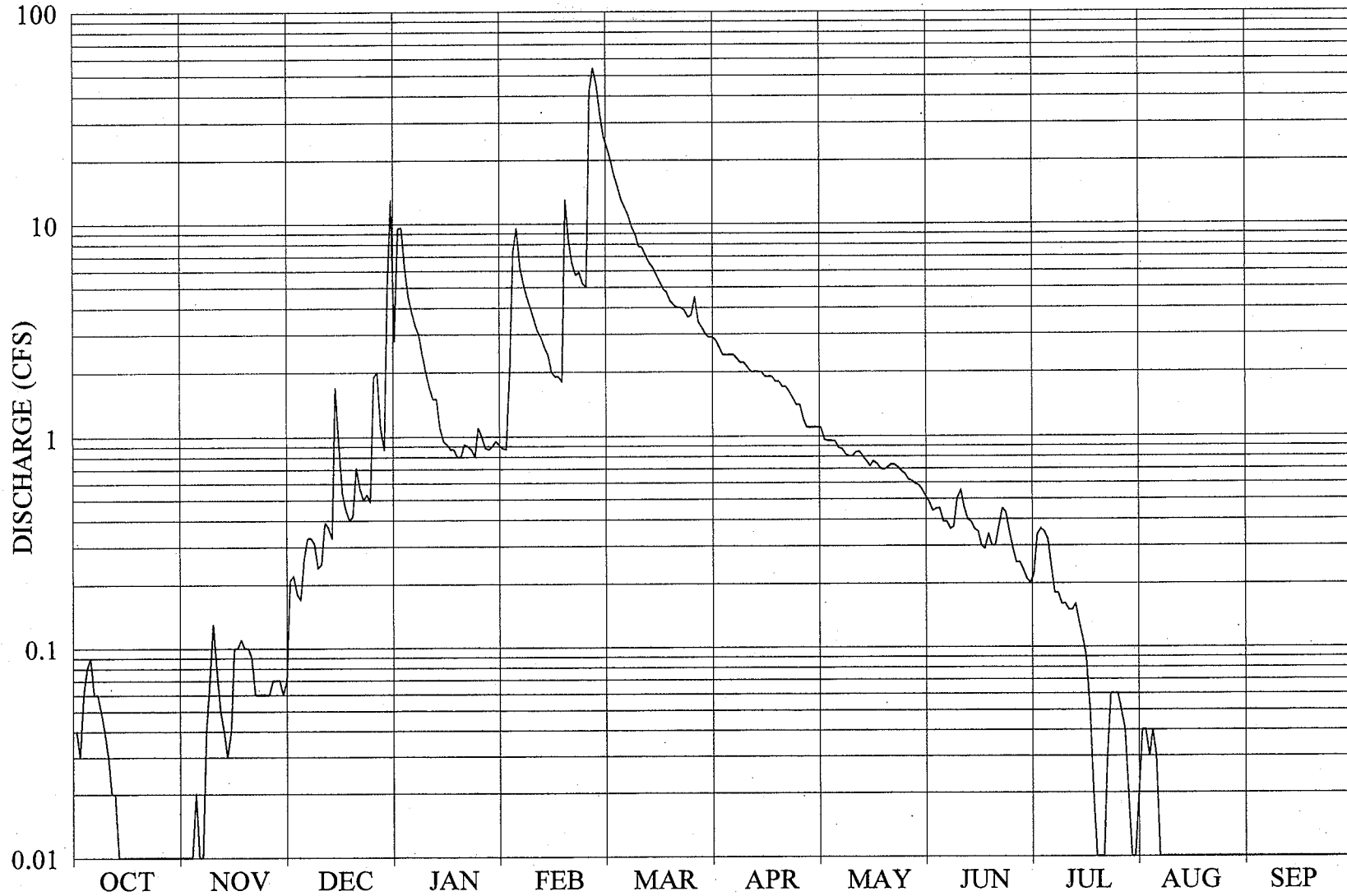


TABLE D-66

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
SAN JOSE CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2003 TO SEP 2004

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.04	.01	.21	9.5	.87	23	2.8	1.1	.48	.22	.04	0
2	.03	.01	.22	9.6	2.0	20	2.6	.96	.44	.34	.04	0
3	.06	.01	.18	6.2	7.3	17	2.4	.95	.45	.36	.03	0
4	.08	.02	.17	4.5	9.5	15	2.4	.95	.45	.35	.04	0
5	.09	.01	.26	3.8	6.2	13	2.4	.95	.39	.32	.03	0
6	.06	.01	.33	3.3	5.2	12	2.4	.88	.39	.24	.01	0
7	.06	.04	.33	3.0	4.5	11	2.3	.87	.36	.18	.01	0
8	.05	.07	.31	2.4	4.0	9.7	2.2	.82	.37	.18	.01	0
9	.04	.13	.24	2.0	3.5	8.9	2.2	.80	.50	.16	.01	0
10	.03	.08	.25	1.7	3.1	7.8	2.1	.80	.55	.16	.01	0
11	.02	.05	.39	1.5	2.9	7.7	2.0	.84	.46	.15	.01	0
12	.02	.04	.37	1.5	2.6	7.0	2.0	.84	.40	.15	.01	0
13	.01	.03	.33	1.1	2.4	6.5	2.0	.80	.39	.16	.01	0
14	.01	.04	1.7	.95	2.0	6.2	2.0	.76	.36	.13	.01	0
15	.01	.10	.93	.92	1.9	5.7	1.9	.72	.35	.11	.01	0
16	.01	.10	.54	.87	1.9	5.3	1.9	.76	.30	.09	.01	0
17	.01	.11	.45	.87	1.8	4.9	1.9	.74	.29	.05	.01	0
18	.01	.10	.40	.80	13	4.7	1.8	.70	.34	.02	.01	0
19	.01	.10	.42	.80	8.3	4.3	1.8	.69	.30	.01	.01	0
20	.01	.09	.71	.92	6.5	4.1	1.7	.71	.30	.01	.01	0
21	.01	.06	.57	.90	5.7	4.0	1.7	.73	.37	.01	.01	0
22	.01	.06	.50	.87	5.9	4.0	1.6	.73	.45	.03	.01	0
23	.01	.06	.53	.80	5.2	3.9	1.5	.71	.43	.06	.01	0
24	.01	.06	.49	1.1	5.0	3.6	1.4	.68	.35	.06	.01	0
25	.01	.06	1.9	1.0	42	3.7	1.4	.66	.29	.06	.01	0
26	.01	.07	2.0	.88	54	4.5	1.2	.62	.25	.05	.01	0
27	.01	.07	1.1	.87	45	3.4	1.1	.61	.25	.04	.01	0
28	.01	.07	.87	.90	33	3.2	1.1	.59	.23	.02	.01	0
29	.01	.06	5.0	.95	26	3.0	1.1	.58	.21	.01	.01	0
30	.01	.07	13	.91	-----	2.9	1.1	.55	.20	.01	0	0
31	.01	-----	2.8	.88	-----	2.9	-----	.51	-----	.02	0	-----
TOTAL	0.77	1.79	37.50	66.29	311.27	232.9	56.0	23.61	10.90	3.76	0.42	0
MEAN	.025	.060	1.21	2.14	10.7	7.51	1.87	.76	.36	.12	.014	0
MAX	.09	.13	13	9.6	54	23	2.8	1.1	.55	.36	.04	0
MIN	.01	.01	.17	.80	.87	2.9	1.1	.51	.20	.01	0	0
AC-FT	1.5	3.6	74	131	617	462	111	47	22	7.5	.8	0
CAL YEAR 2003	TOTAL	702.00	MEAN	1.92	MAX	20	MIN	.01	AC-FT	1,390		
WTR YEAR 2004	TOTAL	745.21	MEAN	2.04	MAX	54	MIN	0	AC-FT	1,480		

FIGURE D-67

SAN JOSE CREEK - WY 2005

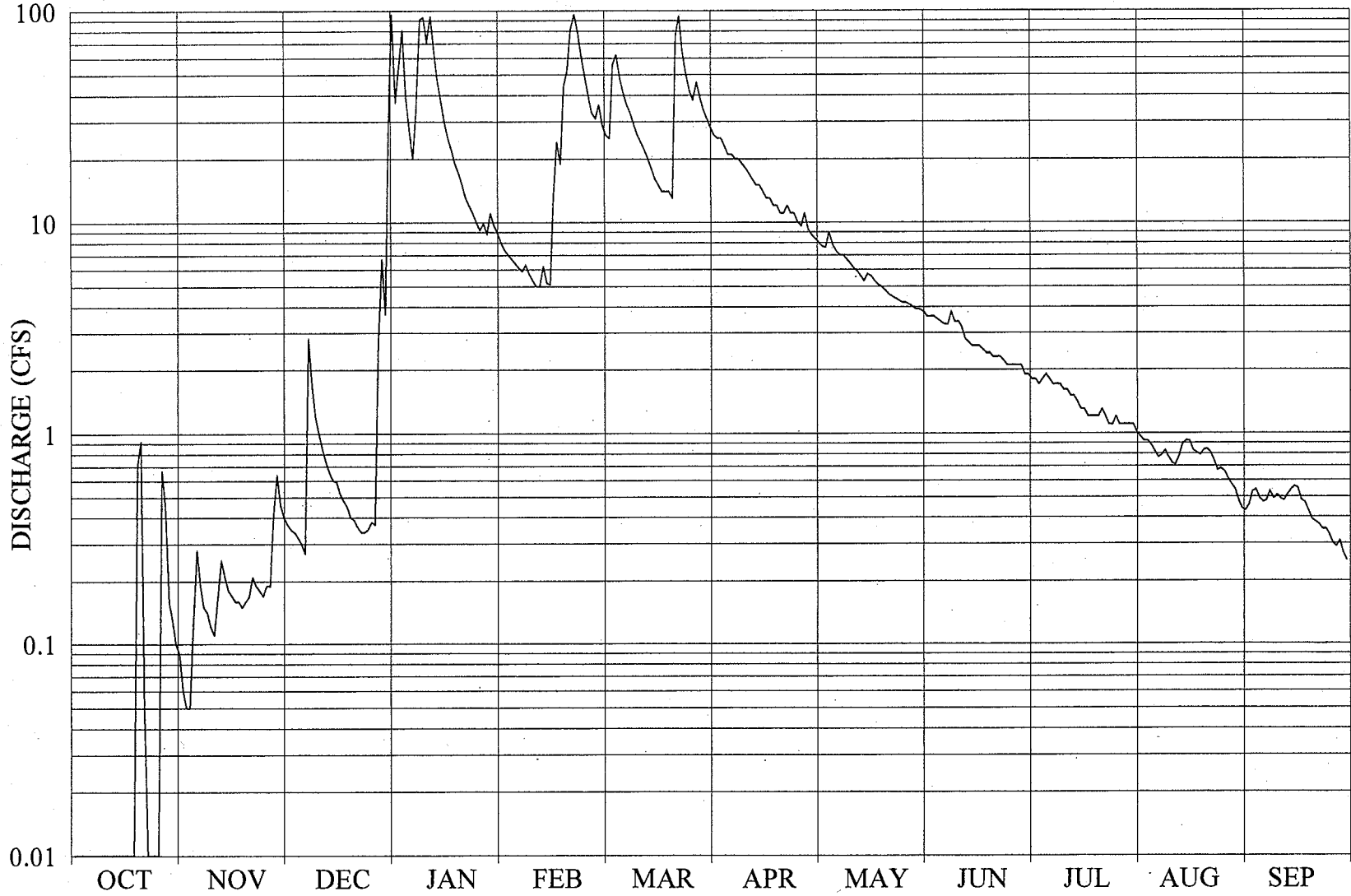


TABLE D-67

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
SAN JOSE CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2004 TO SEP 2005

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	.06	.37	37	7.4	29	28	8.4	3.8	1.9	1.0	.43
2	0	.05	.35	54	7.0	26	26	8.0	3.6	1.8	.96	.46
3	0	.05	.34	81	6.7	25	25	7.7	3.6	1.8	.92	.53
4	0	.13	.32	39	6.4	56	25	7.6	3.6	1.7	.92	.54
5	0	.28	.30	27	6.1	62	23	9.0	3.5	1.8	.88	.49
6	0	.19	.27	20	5.9	48	21	7.8	3.4	1.9	.82	.47
7	0	.15	2.8	35	6.3	41	21	7.3	3.3	1.8	.77	.48
8	0	.14	1.7	91	5.7	36	20	7.0	3.3	1.7	.79	.53
9	0	.12	1.2	93	5.3	33	20	7.0	3.8	1.7	.83	.49
10	0	.11	.99	71	5.0	29	19	6.7	3.4	1.7	.77	.51
11	0	.17	.84	94	5.0	26	18	6.4	3.4	1.6	.72	.49
12	0	.25	.73	65	6.2	24	17	6.1	3.2	1.6	.71	.48
13	0	.21	.65	47	5.2	22	16	5.9	2.8	1.5	.78	.51
14	0	.18	.60	37	5.1	20	15	5.6	2.7	1.5	.89	.54
15	0	.17	.59	30	13	18	15	5.3	2.6	1.4	.92	.56
16	0	.16	.52	25	24	16	14	5.7	2.6	1.3	.92	.55
17	0	.16	.48	22	19	15	13	5.6	2.6	1.3	.83	.48
18	0	.15	.45	19	44	14	13	5.3	2.5	1.2	.81	.47
19	.70	.16	.40	17	52	14	12	5.1	2.4	1.2	.79	.43
20	.92	.17	.39	15	81	14	12	5.0	2.4	1.2	.83	.39
21	.05	.21	.36	13	96	13	11	4.8	2.3	1.2	.84	.38
22	0	.19	.34	12	80	76	11	4.6	2.3	1.3	.81	.37
23	0	.18	.34	11	62	94	12	4.5	2.3	1.2	.74	.35
24	0	.17	.35	10	49	64	11	4.4	2.2	1.1	.67	.35
25	0	.19	.38	9.2	40	50	11	4.3	2.1	1.1	.68	.33
26	.67	.19	.37	9.9	33	42	10	4.2	2.1	1.2	.66	.30
27	.45	.41	2.7	8.8	31	38	9.6	4.2	2.1	1.1	.61	.29
28	.16	.64	6.7	11	36	46	11	4.1	2.1	1.1	.57	.31
29	.13	.46	3.7	9.7	-----	39	9.2	4.0	2.1	1.1	.54	.27
30	.10	.40	26	8.9	-----	34	8.7	3.9	1.9	1.1	.48	.25
31	.09	-----	96	8.0	-----	31	-----	3.9	-----	1.1	.44	-----
TOTAL	3.27	6.10	151.53	1,030.5	743.3	1,095	477.5	179.4	84.0	44.2	23.90	13.03
MEAN	.11	.20	4.89	33.2	26.5	35.3	15.9	5.79	2.80	1.43	.77	.43
MAX	.92	.64	96	94	96	94	28	9.0	3.8	1.9	1.0	.56
MIN	0	.05	.27	8.0	5.0	13	8.7	3.9	1.9	1.1	.44	.25
AC-FT	6.5	12	301	2,040	1,470	2,170	947	356	167	88	47	26

CAL YEAR 2004	TOTAL	866.05	MEAN	2.37	MAX	96	MIN	0	AC-FT	1,720
WTR YEAR 2005	TOTAL	3,851.73	MEAN	10.6	MAX	96	MIN	0	AC-FT	7,640

FIGURE D-68

SAN JOSE CREEK - WY 2006

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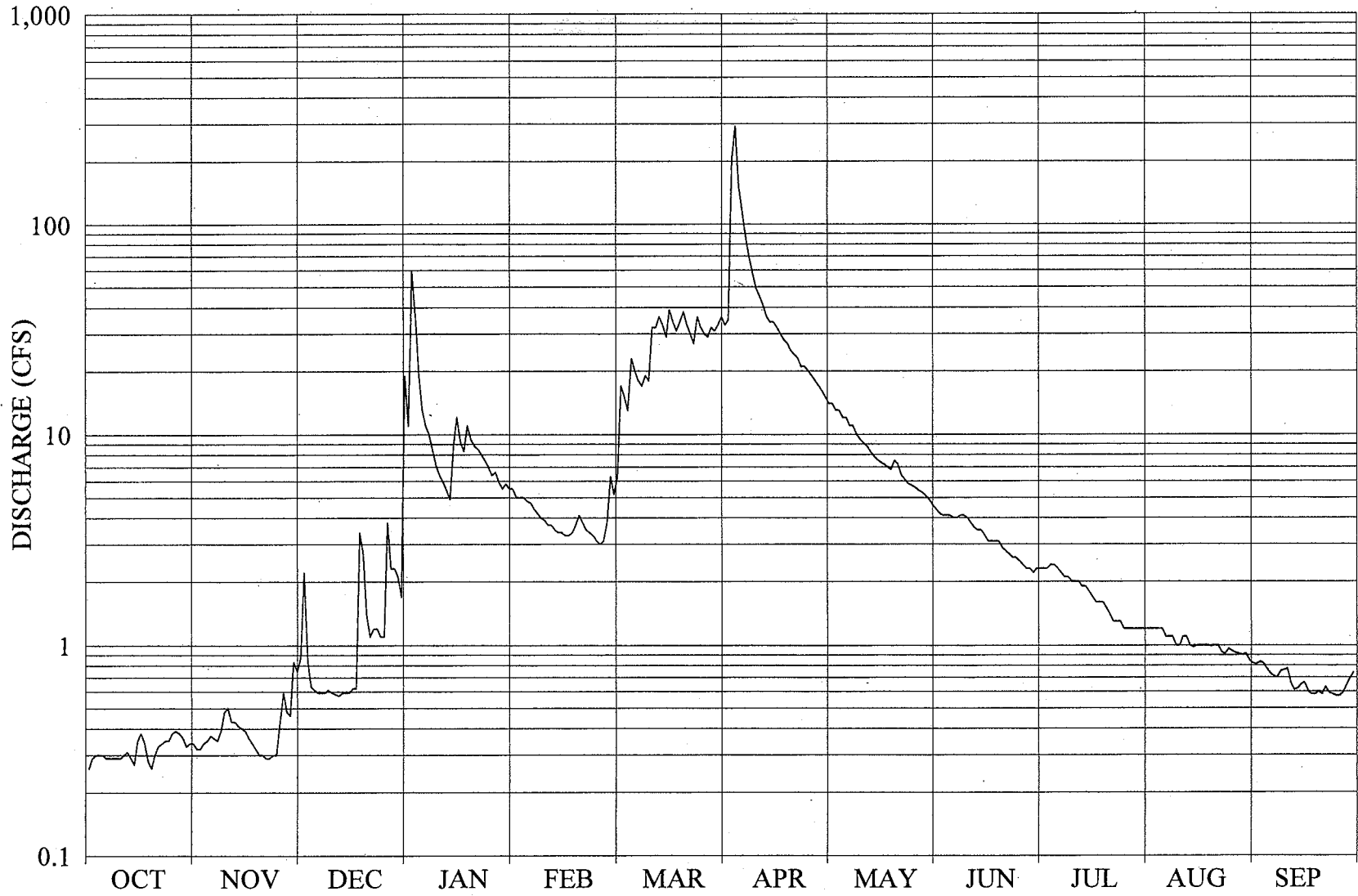


TABLE D-68

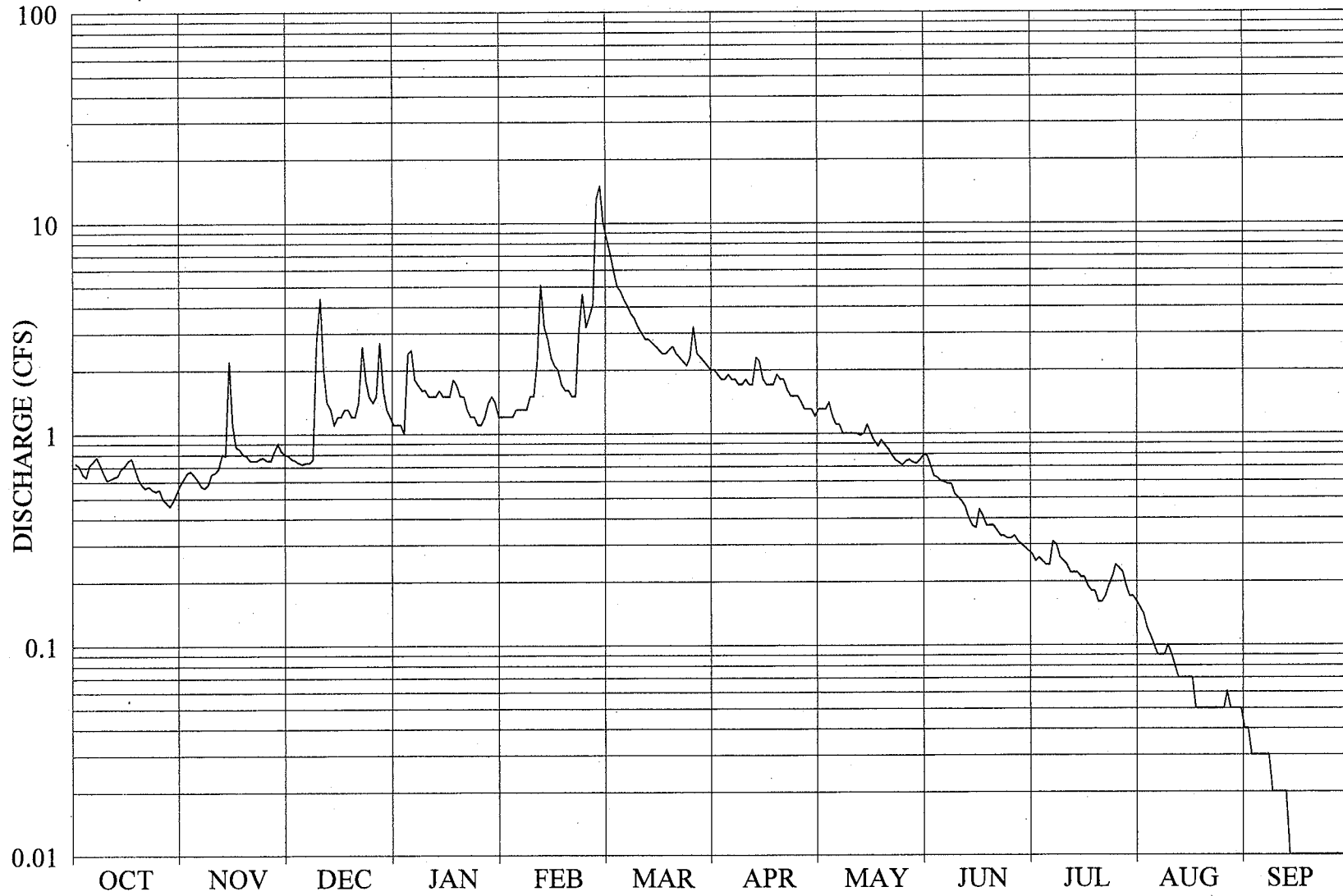
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
SAN JOSE CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2005 TO SEP 2006

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.26	.32	.87	11	5.0	5.2	36	15	4.6	2.3	1.2	.82
2	.29	.32	2.2	59	5.0	6.2	33	14	4.4	2.3	1.2	.81
3	.30	.34	.84	37	5.0	17	35	14	4.2	2.3	1.2	.83
4	.30	.35	.63	19	4.8	15	203	13	4.1	2.3	1.2	.82
5	.30	.37	.61	13	4.7	13	291	13	4.1	2.4	1.2	.77
6	.29	.36	.59	11	4.4	23	152	12	4.1	2.4	1.2	.73
7	.29	.35	.59	10	4.2	20	114	12	4.0	2.3	1.1	.71
8	.29	.39	.59	8.3	4.0	18	86	11	4.0	2.2	1.1	.70
9	.29	.48	.61	7.1	3.9	17	69	11	4.1	2.1	1.1	.75
10	.29	.50	.59	6.4	3.7	19	58	10	4.1	2.1	1.0	.76
11	.30	.43	.58	5.9	3.7	18	49	9.5	4.0	2.0	1.0	.77
12	.31	.43	.57	5.4	3.5	32	45	9.1	3.8	2.0	1.1	.66
13	.29	.41	.59	4.9	3.4	32	41	8.8	3.6	2.0	1.1	.61
14	.27	.40	.59	9.0	3.4	36	36	8.3	3.5	1.9	1.0	.62
15	.35	.39	.59	12	3.3	33	34	7.9	3.5	1.9	.98	.65
16	.38	.36	.62	9.2	3.3	29	34	7.6	3.3	1.8	1.0	.66
17	.34	.34	.62	8.3	3.4	39	32	7.4	3.1	1.7	1.0	.60
18	.28	.32	3.4	11	3.7	34	30	7.2	3.1	1.6	1.0	.58
19	.26	.30	2.7	9.4	4.1	31	28	7.0	3.1	1.6	1.0	.58
20	.30	.30	1.4	8.8	3.8	34	27	6.8	3.1	1.6	.99	.60
21	.33	.29	1.1	8.5	3.5	38	25	7.5	2.9	1.5	1.0	.58
22	.34	.29	1.2	8.0	3.4	33	24	7.2	2.8	1.4	1.0	.63
23	.35	.30	1.2	7.5	3.3	30	23	6.4	2.7	1.3	.93	.59
24	.35	.30	1.1	7.0	3.1	27	21	6.1	2.6	1.3	.91	.58
25	.38	.42	1.1	6.4	3.0	36	21	5.8	2.6	1.3	.96	.57
26	.39	.59	3.8	6.6	3.1	32	20	5.7	2.5	1.2	.94	.57
27	.38	.48	2.3	5.9	3.8	30	19	5.6	2.4	1.2	.92	.59
28	.36	.46	2.3	5.5	6.3	29	18	5.4	2.3	1.2	.91	.64
29	.33	.83	2.1	5.8	-----	32	17	5.3	2.3	1.2	.90	.69
30	.34	.75	1.7	5.5	-----	31	16	5.1	2.2	1.2	.91	.74
31	.34	-----	19	5.5	-----	33	-----	4.9	-----	1.2	.85	-----
TOTAL	9.87	12.17	56.68	337.9	109.8	822.4	1,637	269.6	101.1	54.8	31.90	20.21
MEAN	.32	.41	1.83	10.9	3.92	26.5	54.6	8.70	3.37	1.77	1.03	.67
MAX	.39	.83	19	59	6.3	39	291	15	4.6	2.4	1.2	.83
MIN	.26	.29	.57	4.9	3.0	5.2	16	4.9	2.2	1.2	.85	.57
AC-FT	20	24	112	670	218	1,630	3,250	535	201	109	63	40
CAL YEAR 2005	TOTAL	3,769.55	MEAN	10.3	MAX	96	MIN	.25	AC-FT	7,480		
WTR YEAR 2006	TOTAL	3,463.43	MEAN	9.49	MAX	291	MIN	.26	AC-FT	6,870		

FIGURE D-69

SAN JOSE CREEK - WY 2007



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TABLE D-69

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
SAN JOSE CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2006 TO SEP 2007

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.73	.62	.79	1.1	1.2	10	2.0	1.2	.79	.28	.16	.04
2	.71	.66	.76	1.1	1.2	8.4	2.0	1.3	.79	.27	.15	.04
3	.65	.67	.75	1.0	1.2	7.1	1.9	1.3	.71	.25	.14	.03
4	.63	.64	.73	2.4	1.3	5.9	1.8	1.3	.63	.26	.12	.03
5	.72	.61	.72	2.5	1.3	5.0	1.8	1.4	.62	.25	.11	.03
6	.75	.57	.73	1.8	1.3	4.7	1.9	1.2	.60	.24	.10	.03
7	.78	.56	.73	1.7	1.3	4.3	1.8	1.1	.59	.24	.09	.03
8	.72	.58	.76	1.6	1.5	4.0	1.8	1.1	.58	.31	.09	.03
9	.66	.65	2.7	1.6	1.5	3.7	1.7	1.0	.58	.30	.09	.02
10	.61	.66	4.4	1.5	2.2	3.5	1.7	1.0	.52	.26	.10	.02
11	.62	.69	2.0	1.5	5.1	3.2	1.8	1.0	.50	.25	.09	.02
12	.63	.80	1.4	1.5	3.2	3.0	1.7	1.0	.48	.24	.08	.02
13	.64	.79	1.3	1.6	2.8	2.8	1.7	1.0	.45	.22	.07	.02
14	.69	2.2	1.1	1.5	2.3	2.8	2.3	.98	.40	.22	.07	.01
15	.71	1.1	1.2	1.5	2.1	2.7	2.2	1.0	.37	.22	.07	.01
16	.75	.87	1.2	1.5	2.0	2.6	1.8	1.1	.36	.21	.07	.01
17	.77	.85	1.3	1.8	1.7	2.5	1.7	1.0	.44	.21	.07	.01
18	.69	.80	1.3	1.7	1.6	2.4	1.7	.92	.41	.19	.05	.01
19	.62	.79	1.2	1.5	1.6	2.4	1.7	.87	.37	.18	.05	.01
20	.58	.75	1.2	1.5	1.5	2.5	1.9	.93	.37	.18	.05	.01
21	.56	.75	1.4	1.3	1.5	2.6	1.8	.88	.37	.16	.05	.01
22	.57	.75	2.6	1.2	3.1	2.4	1.8	.84	.35	.16	.05	.01
23	.55	.77	1.8	1.2	4.6	2.3	1.6	.79	.33	.17	.05	.01
24	.54	.77	1.5	1.1	3.2	2.2	1.5	.75	.33	.19	.05	.01
25	.55	.75	1.4	1.1	3.6	2.1	1.5	.73	.32	.21	.05	.01
26	.50	.75	1.5	1.2	4.1	2.3	1.5	.71	.32	.24	.05	.01
27	.48	.83	2.7	1.4	13	3.2	1.4	.74	.33	.23	.06	.01
28	.46	.90	1.6	1.5	15	2.4	1.3	.75	.31	.22	.05	.01
29	.49	.83	1.3	1.4	-----	2.3	1.3	.73	.30	.19	.05	.01
30	.53	.80	1.2	1.2	-----	2.2	1.3	.72	.29	.17	.05	.01
31	.58	-----	1.1	1.2	-----	2.1	-----	.75	-----	.17	.05	-----
TOTAL	19.47	23.76	44.37	45.7	86.0	109.6	51.9	30.09	13.81	6.89	2.38	0.53
MEAN	.63	.79	1.43	1.47	3.07	3.54	1.73	.97	.46	.22	.077	.018
MAX	.78	2.2	4.4	2.5	15	10	2.3	1.4	.79	.31	.16	.04
MIN	.46	.56	.72	1.0	1.2	2.1	1.3	.71	.29	.16	.05	.01
AC-FT	39	47	88	91	171	217	103	60	27	14	4.7	1.1
CAL YEAR 2006	TOTAL	3,472.31	MEAN	9.51	MAX	291	MIN	.46	AC-FT	6,890		
WTR YEAR 2007	TOTAL	434.50	MEAN	1.19	MAX	15	MIN	.01	AC-FT	862		

FIGURE D-70

SAN JOSE CREEK - WY 2008

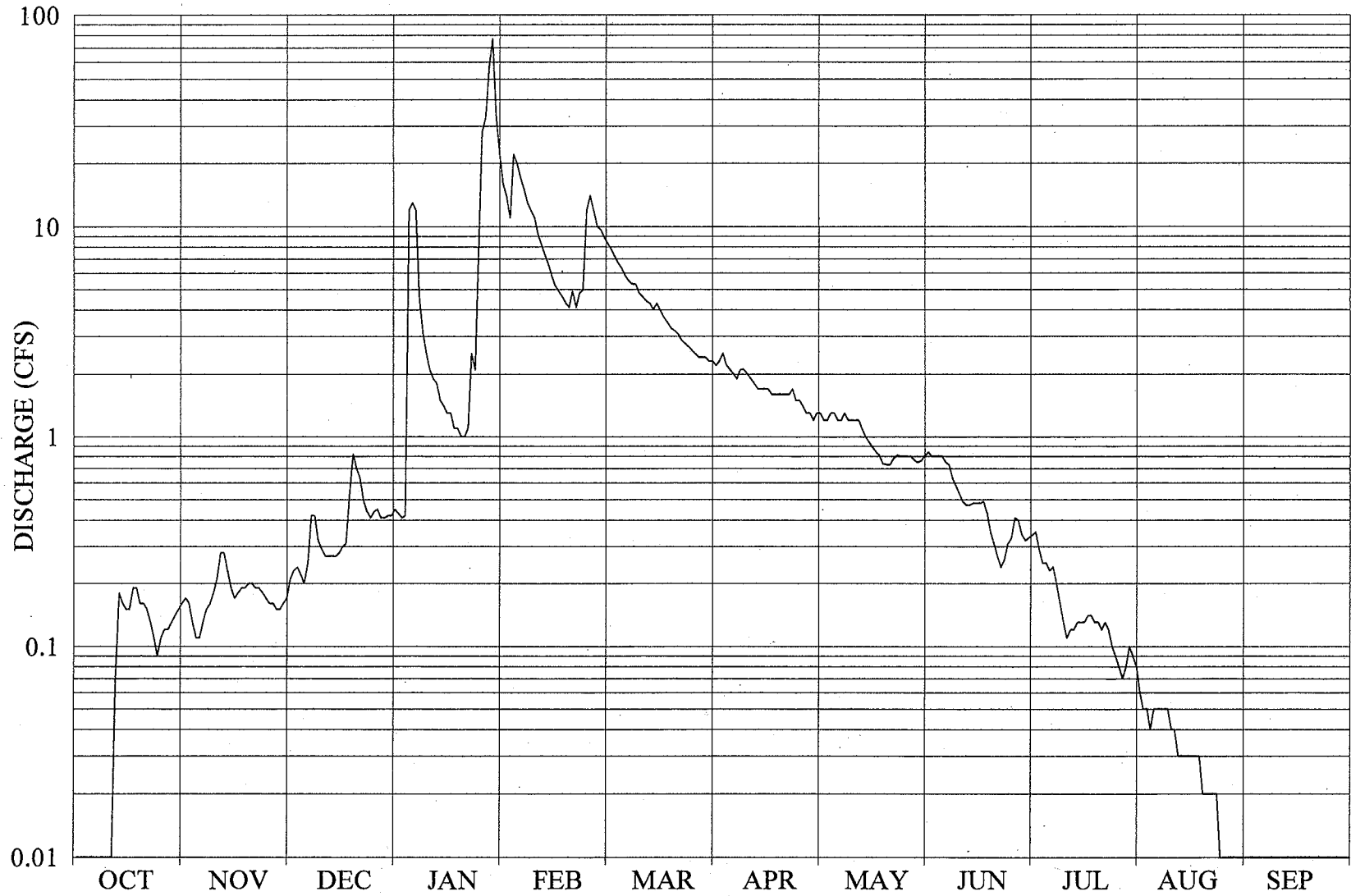


TABLE D-70

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
SAN JOSE CREEK

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2007 TO SEP 2008

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	.17	.21	.43	14	8.3	2.2	1.3	.84	.34	.06	.01
2	.01	.16	.23	.41	11	7.8	2.3	1.2	.80	.35	.05	.01
3	.01	.13	.24	.42	22	7.2	2.5	1.2	.80	.29	.05	.01
4	.01	.11	.22	12	20	6.7	2.2	1.3	.80	.25	.04	0
5	.01	.11	.20	13	17	6.3	2.1	1.3	.80	.25	.05	0
6	.01	.13	.25	12	15	5.8	2.0	1.2	.75	.23	.05	0
7	0	.15	.42	4.6	13	5.5	1.9	1.2	.73	.24	.05	0
8	0	.16	.42	3.1	12	5.3	2.1	1.3	.63	.20	.05	0
9	0	.18	.32	2.5	11	5.3	2.1	1.2	.58	.16	.05	0
10	.01	.21	.29	2.1	9.2	4.8	2.0	1.2	.53	.13	.04	0
11	.01	.28	.27	1.9	8.2	4.6	1.9	1.2	.49	.11	.04	0
12	.07	.28	.27	1.8	7.3	4.4	1.8	1.2	.47	.12	.03	0
13	.18	.23	.27	1.5	6.6	4.3	1.7	1.1	.47	.12	.03	0
14	.16	.19	.27	1.4	5.8	4.0	1.7	1.0	.48	.13	.03	0
15	.15	.17	.28	1.3	5.2	4.3	1.7	.94	.48	.13	.03	0
16	.15	.18	.30	1.3	4.9	4.0	1.7	.89	.48	.13	.03	0
17	.19	.19	.31	1.1	4.6	3.7	1.6	.84	.49	.14	.03	0
18	.19	.19	.54	1.1	4.3	3.5	1.6	.81	.43	.14	.03	0
19	.16	.20	.82	1.0	4.1	3.3	1.6	.74	.35	.13	.02	0
20	.16	.20	.70	1.0	4.9	3.2	1.6	.73	.31	.13	.02	0
21	.15	.19	.63	1.1	4.1	3.1	1.6	.73	.27	.12	.02	0
22	.13	.19	.49	2.5	4.8	2.9	1.6	.78	.24	.13	.02	0
23	.11	.18	.44	2.1	5.0	2.8	1.7	.81	.26	.12	.02	0
24	.09	.17	.41	7.6	12	2.7	1.5	.80	.31	.10	.01	0
25	.11	.16	.44	28	14	2.6	1.5	.80	.33	.09	.01	0
26	.12	.16	.45	33	12	2.5	1.4	.80	.41	.08	.01	0
27	.12	.15	.41	57	10	2.4	1.3	.80	.40	.07	.01	0
28	.13	.15	.41	77	9.7	2.4	1.3	.77	.34	.08	.01	0
29	.14	.16	.42	34	8.9	2.4	1.2	.75	.32	.10	.01	0
30	.15	.17	.42	22	-----	2.3	1.3	.76	.33	.09	.01	0
31	.16	-----	.45	16	-----	2.3	-----	.81	-----	.08	.01	-----
TOTAL	2.90	5.30	11.80	344.26	280.6	130.7	52.7	30.46	14.92	4.78	0.92	0.03
MEAN	.094	.18	.38	11.1	9.68	4.22	1.76	.98	.50	.15	.030	.001
MAX	.19	.28	.82	77	22	8.3	2.5	1.3	.84	.35	.06	.01
MIN	0	.11	.20	.41	4.1	2.3	1.2	.73	.24	.07	.01	0
AC-FT	5.8	11	23	683	557	259	105	60	30	9.5	1.8	.06
CAL YEAR 2007	TOTAL	366.95	MEAN	1.01	MAX	15	MIN	0	AC-FT	728		
WTR YEAR 2008	TOTAL	879.37	MEAN	2.40	MAX	77	MIN	0	AC-FT	1,740		

FIGURE D-71

ARROYO DEL REY AT DEL REY OAKS - WY 2004

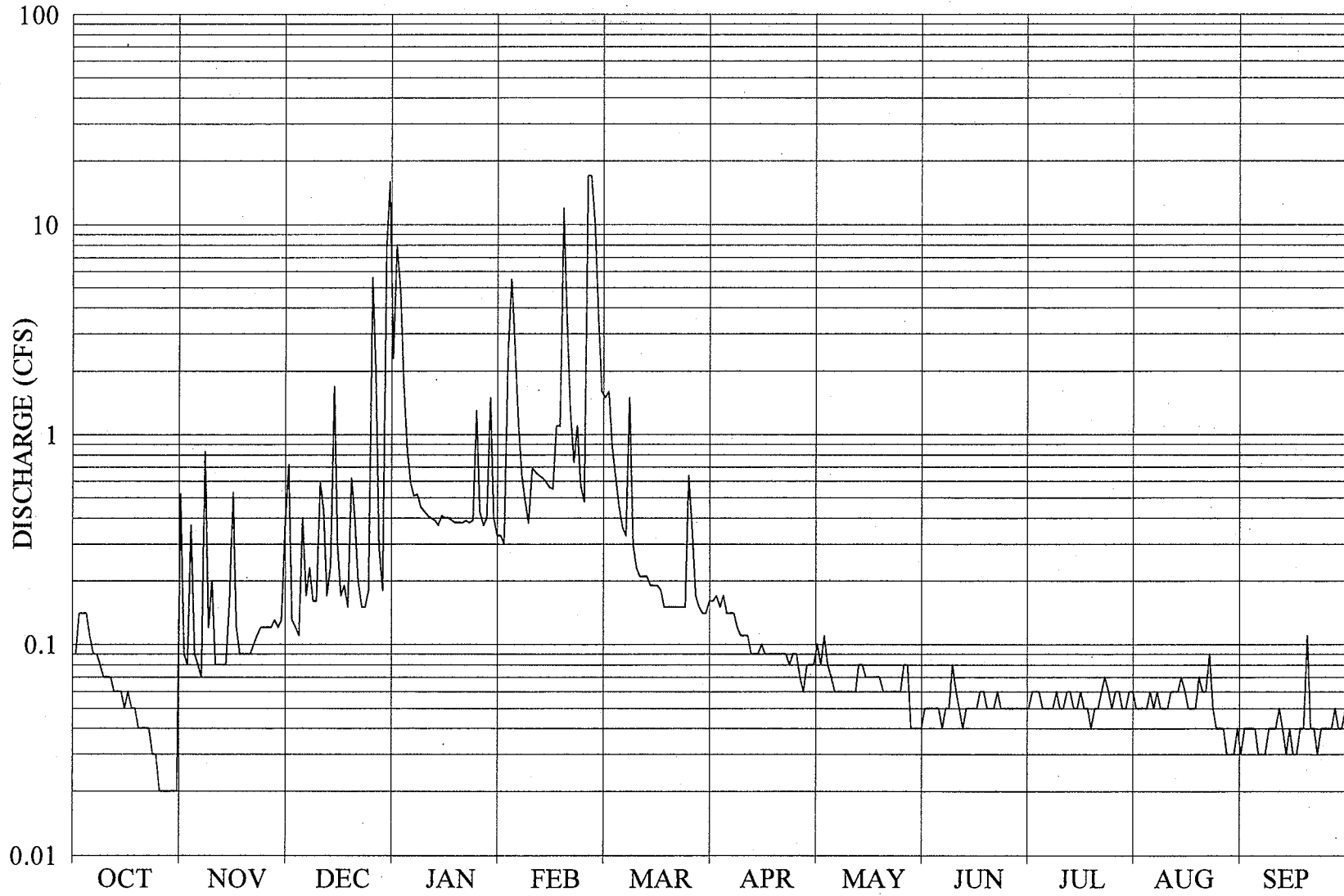


TABLE D-71

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
ARROYO DEL REY AT DEL REY OAKS

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2003 TO SEP 2004

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.09	.09	.72	8.0	.30	1.5	.16	.10	.05	.05	.05	.04
2	.14	.08	.13	4.9	2.5	1.6	.17	.08	.05	.06	.05	.04
3	.14	.37	.12	1.8	5.5	.88	.15	.11	.05	.06	.05	.04
4	.14	.09	.11	.85	2.6	.63	.17	.08	.05	.06	.05	.04
5	.11	.08	.40	.59	1.1	.45	.14	.07	.05	.05	.06	.03
6	.09	.07	.17	.51	.64	.36	.14	.06	.04	.05	.05	.03
7	.09	.83	.23	.52	.48	.33	.14	.06	.05	.05	.06	.03
8	.08	.12	.16	.45	.38	1.5	.12	.06	.05	.05	.05	.04
9	.07	.20	.16	.43	.69	.30	.11	.06	.08	.06	.05	.04
10	.07	.08	.59	.41	.66	.23	.11	.06	.06	.05	.05	.04
11	.07	.08	.43	.40	.64	.21	.11	.06	.05	.05	.06	.05
12	.06	.08	.17	.39	.62	.21	.09	.06	.04	.06	.06	.04
13	.06	.08	.24	.37	.59	.21	.09	.08	.05	.06	.06	.03
14	.06	.16	1.7	.41	.56	.19	.09	.08	.05	.05	.07	.04
15	.05	.53	.30	.40	.55	.19	.10	.07	.05	.05	.06	.03
16	.06	.12	.17	.40	1.1	.19	.09	.07	.05	.06	.05	.03
17	.05	.09	.19	.39	1.1	.18	.09	.07	.06	.05	.05	.04
18	.05	.09	.15	.38	12	.15	.09	.07	.06	.05	.05	.04
19	.04	.09	.62	.38	3.5	.15	.09	.07	.05	.04	.07	.11
20	.04	.09	.40	.38	1.3	.15	.09	.06	.05	.05	.06	.04
21	.04	.10	.20	.39	.74	.15	.09	.06	.05	.05	.06	.04
22	.04	.11	.15	.38	1.1	.15	.09	.06	.06	.06	.09	.03
23	.03	.12	.15	.39	.57	.15	.08	.06	.05	.07	.05	.04
24	.03	.12	.18	1.3	.48	.15	.09	.06	.05	.06	.04	.04
25	.02	.12	5.6	.43	17	.64	.09	.06	.05	.05	.04	.04
26	.02e	.12	1.9	.37	17	.36	.07	.08	.05	.06	.04	.04
27	.02e	.13	.29	.40	9.9	.17	.06	.08	.05	.06	.03	.05
28	.02e	.12	.18	1.5	3.6	.15	.08	.04	.05	.05	.03	.04
29	.02	.13	7.7	.40	1.6	.14	.08	.04	.05	.05	.03	.04
30	.02	.38	16	.33	-----	.14	.08	.04	.05	.06	.04	.05
31	.52	-----	2.3	.33	-----	.16	-----	.04	-----	.06	.03	-----
TOTAL	2.34	4.87	41.81	28.58	88.80	11.97	3.15	2.05	1.55	1.69	1.59	1.23
MEAN	.075	.16	1.35	.92	3.06	.39	.11	.066	.052	.055	.051	.041
MAX	.52	.83	16	8.0	17	1.6	.17	.11	.08	.07	.09	.11
MIN	.02	.07	.11	.33	.30	.14	.06	.04	.04	.04	.03	.03
AC-FT	4.6	9.7	83	57	176	24	6.2	4.1	3.1	3.4	3.2	2.4
CAL YEAR 2003	TOTAL	121.64	MEAN	.33	MAX	16	MIN	.02	AC-FT	241		
WTR YEAR 2004	TOTAL	189.63	MEAN	.52	MAX	17	MIN	.02	AC-FT	376		

FIGURE D-72

ARROYO DEL REY AT DEL REY OAKS - WY 2005

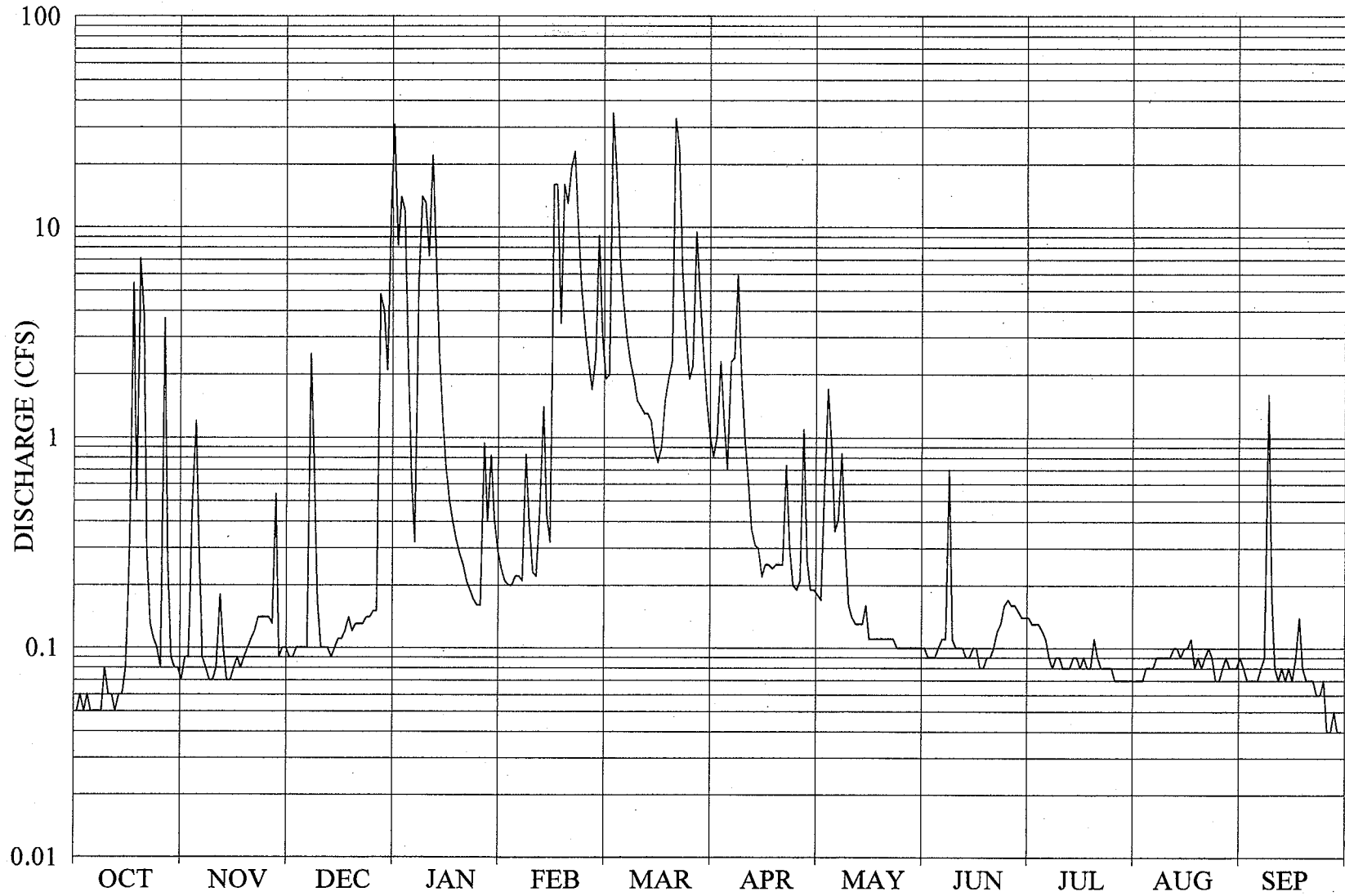


TABLE D-72

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
ARROYO DEL REY AT DEL REY OAKS

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2004 TO SEP 2005

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.05	.09	.09	8.2	.21	3.1	1.0	.19	.10	.14	.07	.09
2	.06	.09	.09	14	.20	1.9	.81	.18	.10	.14	.07	.08
3	.05	.48	.10	12	.20	2.0	1.0	.17	.09	.13	.07	.07
4	.06	1.2	.10	2.2	.22	35	2.3	.58	.09	.13	.07	.07
5	.05	.29	.10	.65	.22	19	1.2	1.7	.09	.13	.08	.07
6	.05	.09	.10	.32	.21	7.1	.71	.89	.10	.12	.08	.07
7	.05	.08	2.5	5.2	.83	4.4	2.3	.36	.11	.11	.08	.08
8	.05	.07	.72	14	.40	3.0	2.4	.41	.11	.09	.09	.09
9	.08	.07	.17	13	.23	2.3	5.9	.84	.70	.08	.09	1.6
10	.06	.08	.10	7.3	.22	1.9	2.0	.30	.11	.09	.09	.18
11	.06	.18	.10	22	.44	1.5	.98	.16	.10	.09	.09	.08
12	.05	.10	.10	7.4	1.4	1.4	.62	.14	.10	.08	.09	.07
13	.06	.07	.09	2.4	.43	1.3	.37	.13	.10	.08	.10	.08
14	.06	.07	.10	1.2	.32	1.3	.31	.13	.09	.08	.10	.07
15	.08	.08	.11	.72	16	1.2	.30	.13	.09	.09	.09	.08
16	.28	.09	.11	.50	16	.87	.22	.16	.10	.09	.10	.07
17	5.4	.08	.12	.40	3.5	.76	.25	.11	.10	.08	.10	.09
18	.50	.09	.14	.33	16	.90	.25	.11	.08	.09	.11	.14
19	7.1	.10	.12	.28	13	1.5	.24	.11	.08	.08	.08	.08
20	3.8	.11	.13	.25	19	1.9	.25	.11	.09	.08	.09	.07
21	.30	.12	.13	.21	23	2.3	.25	.11	.09	.11	.08	.07
22	.13	.14	.13	.19	10	33	.25	.11	.10	.09	.09	.07
23	.11	.14	.14	.17	5.1	24	.74	.11	.12	.08	.10	.06
24	.10	.14	.14	.16	3.2	6.2	.30	.11	.13	.08	.09	.06
25	.08	.14	.15	.16	2.3	3.0	.20	.10	.16	.08	.07	.07
26	3.7	.13	.15	.94	1.7	1.9	.19	.10	.17	.08	.07	.04
27	.26	.54	4.8	.40	2.4	2.2	.21	.10	.16	.07	.08	.04
28	.09	.09	4.0	.82	9.1	9.5	1.1	.10	.16	.07	.09	.05
29	.08	.10	2.1	.41	-----	4.8	.26	.10	.15	.07	.08	.04
30	.08	.10	11	.29	-----	2.6	.19	.10	.14	.07	.08	.04
31	.07	-----	31	.24	-----	1.5	-----	.10	-----	.07	.08	-----
TOTAL	22.95	5.15	58.93	116.34	145.83	183.33	27.10	8.05	3.91	2.87	2.65	3.77
MEAN	.74	.17	1.90	3.75	5.21	5.91	.90	.26	.13	.093	.085	.13
MAX	7.1	1.2	31	22	23	35	5.9	1.7	.70	.14	.11	1.6
MIN	.05	.07	.09	.16	.20	.76	.19	.10	.08	.07	.07	.04
AC-FT	46	10	117	231	289	364	54	16	7.8	5.7	5.3	7.5

CAL YEAR 2004	TOTAL	227.64	MEAN	.62	MAX	31	MIN	.03	AC-FT	452
WTR YEAR 2005	TOTAL	580.88	MEAN	1.59	MAX	35	MIN	.04	AC-FT	1,150

FIGURE D-73

ARROYO DEL REY AT DEL REY OAKS - WY 2006

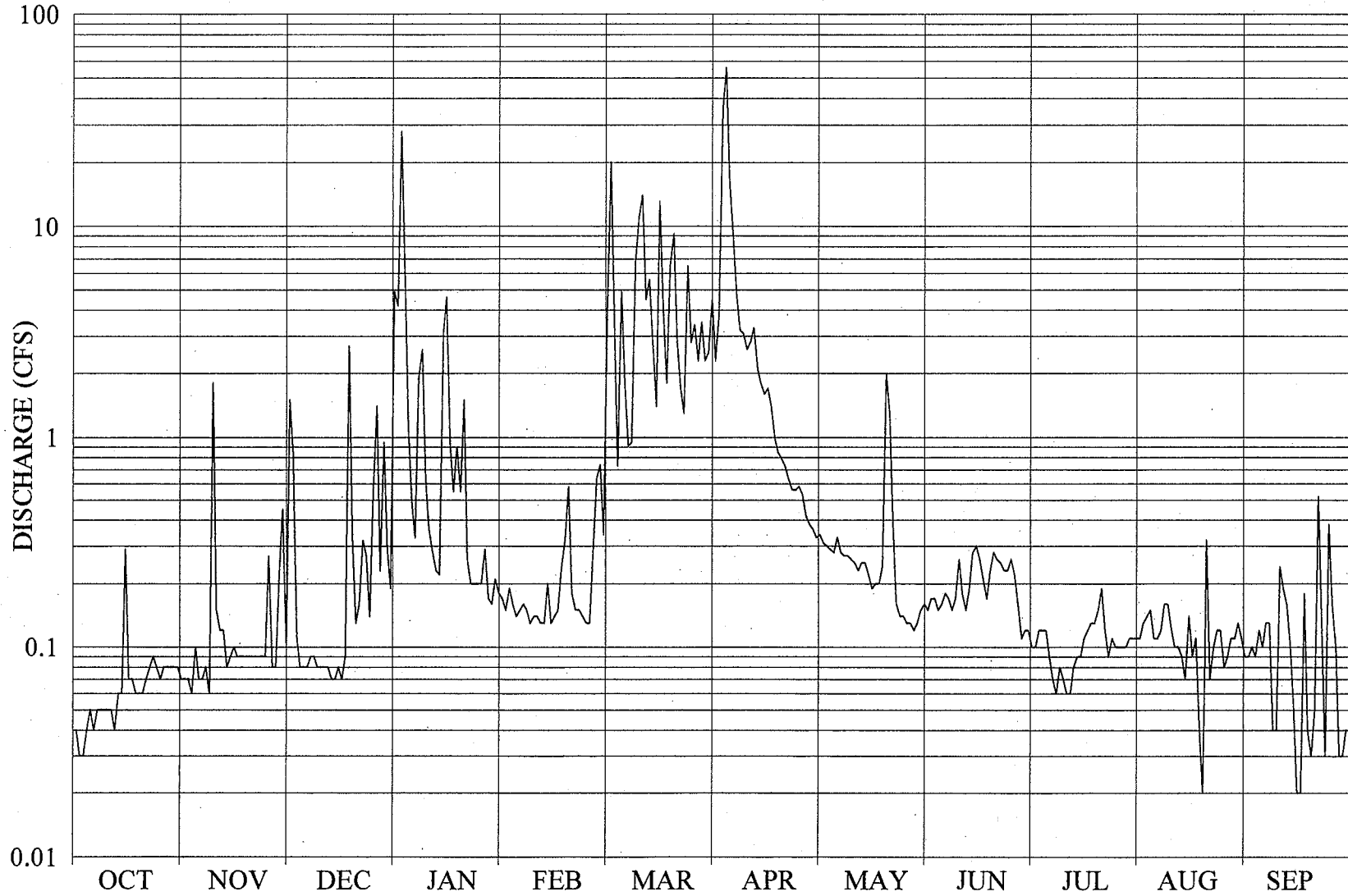


TABLE D-73

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
ARROYO DEL REY AT DEL REY OAKS

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2005 TO SEP 2006

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.04	.07	1.5	4.2	.15	.34	4.5	.33	.16	.12	.11	.09
2	.03	.07	.83	28	.19	3.9	2.3	.34	.15	.10	.11	.09
3	.03	.06	.11	6.2	.16	20	3.8	.31	.17	.10	.13	.10
4	.04	.10	.08	1.1	.14	3.5	35	.30	.17	.12	.14	.09
5	.05	.07	.08	.49	.15	.73	56	.29	.15	.12	.15	.12
6	.04	.07	.08	.33	.16	4.9	16	.28	.16	.12	.11	.10
7	.05	.08	.09	1.9	.15	1.8	8.7	.33	.18	.09	.11	.13
8	.05	.06	.09	2.6	.13	.91	4.7	.28	.17	.07	.12	.13
9	.05	1.8	.08	.63	.14	.95	3.2	.27	.15	.06	.16	.04
10	.05	.15	.08	.36	.14	6.8	3.1	.27	.17	.08	.16	.04
11	.05	.12	.08	.28	.13	11	2.6	.26	.26	.07	.12	.24
12	.04	.12	.08	.23	.13	14	2.8	.25	.18	.06	.10	.19
13	.06	.08	.07	.22	.20	4.5	3.3	.23	.15	.06	.10	.16
14	.06	.09	.07	3.1	.13	5.6	2.1	.25	.19	.08	.09	.10
15	.29	.10	.08	4.6	.14	2.8	1.8	.25	.28	.09	.07	.05
16	.07	.09	.07	.92	.15	1.4	1.6	.22	.30	.09	.14	.02
17	.07	.09	.09	.55	.24	13	1.7	.19	.26	.11	.09	.02
18	.06	.09	2.7	.90	.32	4.0	1.4	.20	.21	.12	.11	.18
19	.06	.09	.33	.55	.58	1.8	.99	.20	.17	.13	.04	.04
20	.06	.09	.13	1.5	.18	6.5	.84	.24	.23	.13	.02	.03
21	.07	.09	.16	.26	.15	9.2	.79	2.0	.28	.15	.32	.05
22	.08	.09	.32	.20	.15	2.8	.73	1.3	.26	.19	.07	.52
23	.09	.09	.27	.20	.14	1.7	.63	.38	.25	.12	.10	.13
24	.08	.09	.14	.20	.13	1.3	.56	.16	.23	.09	.12	.03
25	.07	.27	.58	.20	.13	6.5	.56	.14	.23	.11	.12	.38
26	.08	.08	1.4	.29	.28	2.8	.58	.14	.26	.10	.08	.16
27	.08	.08	.23	.17	.64	3.4	.53	.13	.22	.10	.09	.10
28	.08	.22	.95	.16	.74	2.3	.42	.13	.16	.10	.11	.03
29	.08	.45	.29	.21	-----	3.5	.38	.12	.11	.10	.11	.03
30	.08	.10	.19	.18	-----	2.3	.36	.13	.12	.11	.13	.04
31	.07	-----	4.9	.17	-----	2.5	-----	.15	-----	.11	.11	-----
TOTAL	2.11	5.05	16.15	60.90	6.07	146.73	161.97	10.07	5.98	3.20	3.54	3.43
MEAN	.068	.17	.52	1.96	.22	4.73	5.40	.32	.20	.10	.11	.11
MAX	.29	1.8	4.9	28	.74	20	56	2.0	.30	.19	.32	.52
MIN	.03	.06	.07	.16	.13	.34	.36	.12	.11	.06	.02	.02
AC-FT	4.2	10	32	121	12	291	321	20	12	6.3	7.0	6.8
CAL YEAR 2005	TOTAL	517.16	MEAN	1.42	MAX	35	MIN	.03	AC-FT	1,030		
WTR YEAR 2006	TOTAL	425.20	MEAN	1.16	MAX	56	MIN	.02	AC-FT	843		

FIGURE D-74

ARROYO DEL REY AT DEL REY OAKS - WY 2007

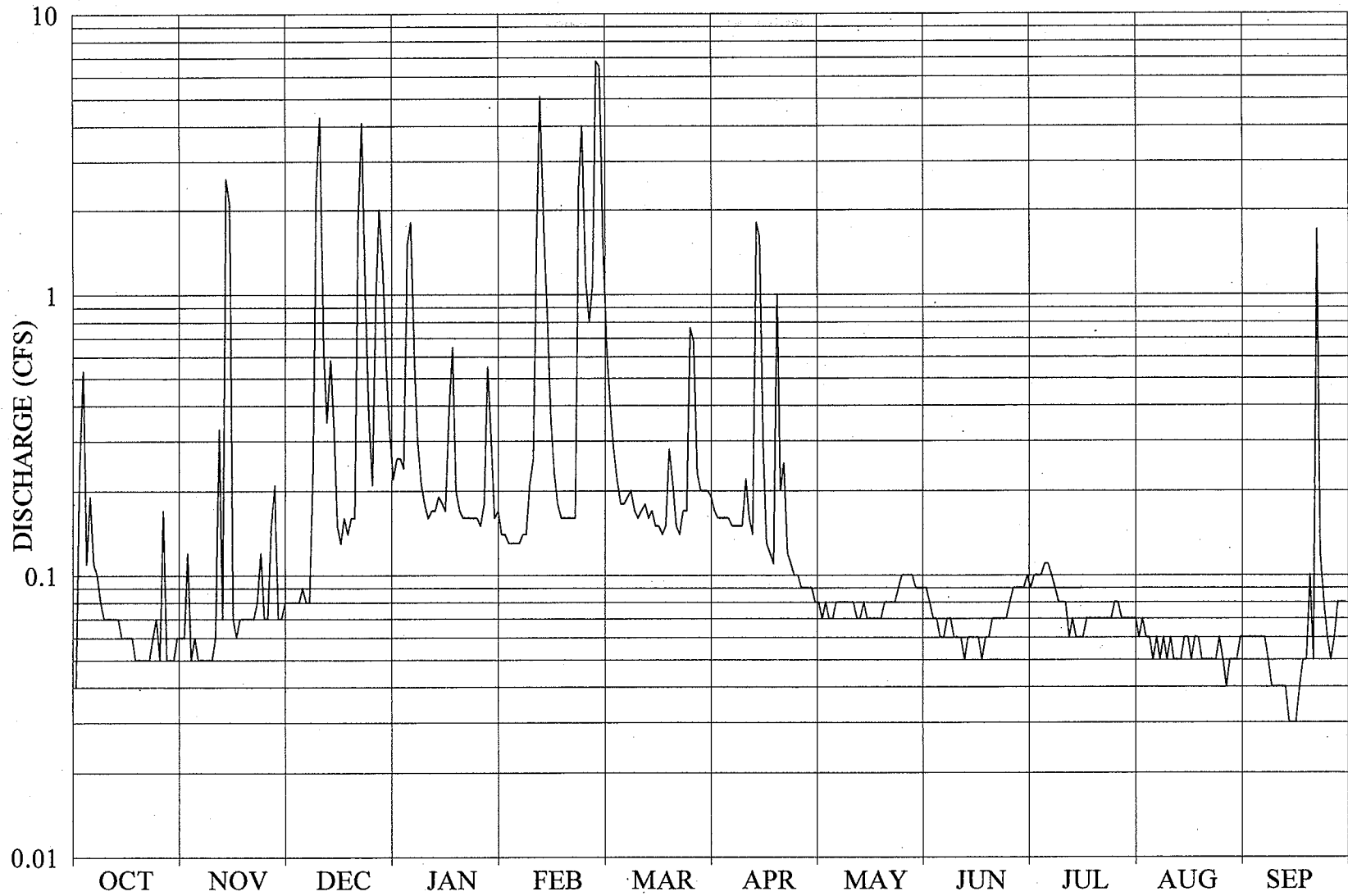


TABLE D-74

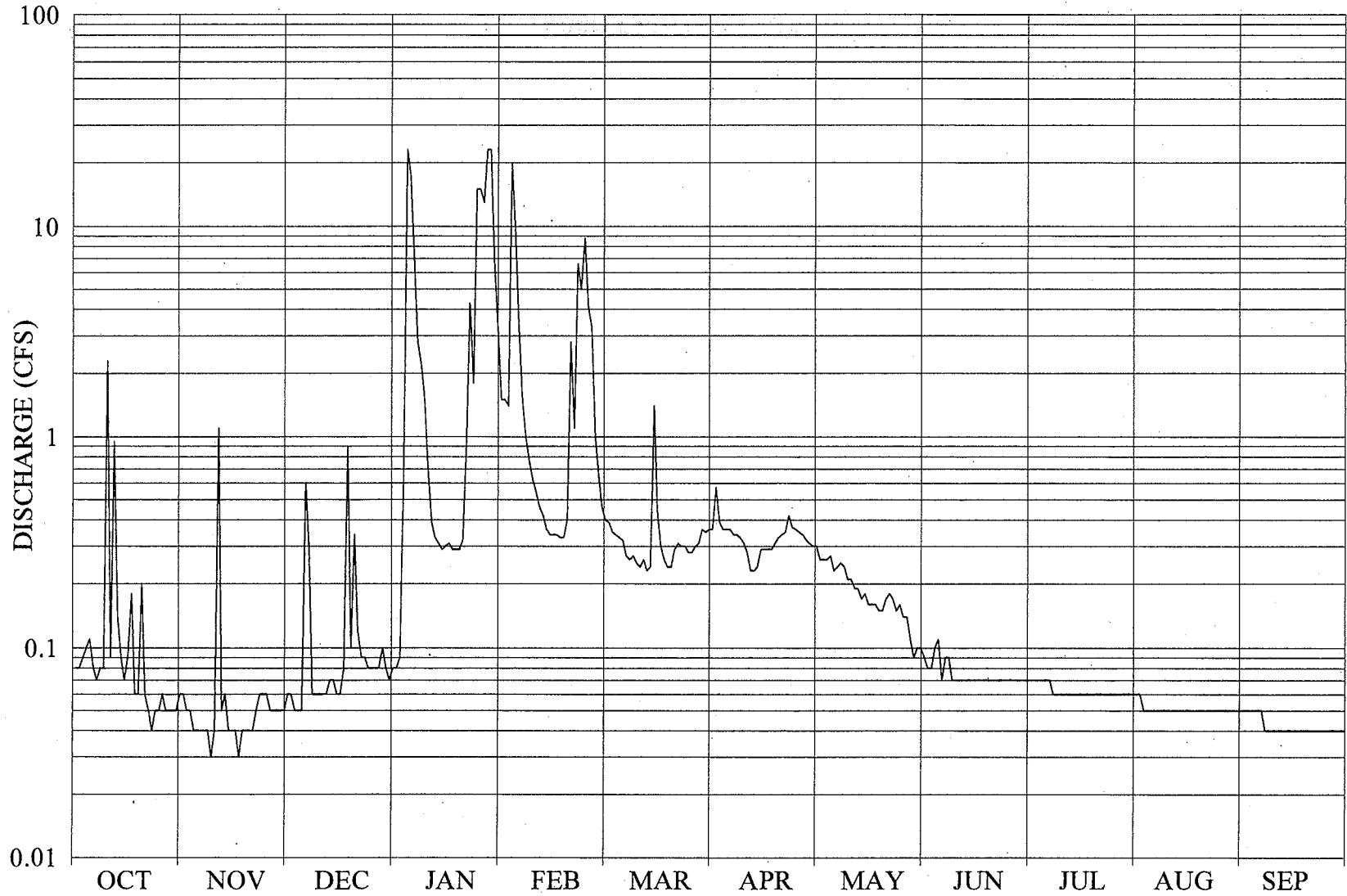
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
ARROYO DEL REY AT DEL REY OAKS

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2006 TO SEP 2007

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.04	.06	.08	.26	.14	1.5	.19	.08	.09	.10	.07	.06
2	.24	.12	.08	.26	.13	.66	.17	.08	.09	.09	.06	.06
3	.53	.05	.08	.24	.13	.40	.16	.07	.08	.10	.07	.06
4	.11	.06	.08	1.5	.13	.28	.16	.08	.07	.10	.06	.06
5	.19	.05	.09	1.8	.13	.22	.16	.07	.07	.10	.06	.06
6	.11	.05	.08	.61	.14	.18	.16	.07	.06	.11	.05	.06
7	.10	.05	.08	.30	.14	.18	.15	.08	.06	.11	.06	.06
8	.08	.05	.24	.21	.21	.19	.15	.08	.07	.10	.05	.05
9	.07	.05	2.4	.18	.26	.20	.15	.08	.07	.09	.06	.04
10	.07	.06	4.3	.16	1.7	.17	.15	.08	.06	.08	.05	.04
11	.07	.33	.64	.17	5.1	.16	.22	.08	.06	.08	.06	.04
12	.07	.07	.35	.17	1.7	.17	.16	.08	.06	.08	.05	.04
13	.07	2.6	.58	.19	.83	.18	.14	.07	.05	.06	.05	.04
14	.06	2.1	.33	.18	.36	.16	1.8	.07	.06	.07	.05	.03
15	.06	.07	.15	.17	.23	.17	1.6	.08	.06	.06	.06	.03
16	.06	.06	.13	.38	.18	.15	.29	.07	.06	.06	.06	.03
17	.06	.07	.16	.65	.16	.15	.13	.07	.06	.06	.05	.04
18	.05	.07	.14	.20	.16	.14	.12	.07	.05	.07	.06	.05
19	.05	.07	.16	.17	.16	.15	.11	.07	.06	.07	.06	.05
20	.05	.07	.16	.16	.16	.28	1.0	.07	.06	.07	.05	.10
21	.05	.07	1.8	.16	.16	.21	.20	.08	.07	.07	.05	.05
22	.05	.08	4.1	.16	2.4	.15	.25	.08	.07	.07	.05	1.7
23	.06	.12	1.0	.16	4.0	.14	.12	.08	.07	.07	.05	.12
24	.07	.07	.37	.16	1.1	.17	.11	.08	.07	.07	.05	.08
25	.05	.07	.21	.15	.80	.17	.10	.09	.07	.07	.06	.06
26	.17	.15	.97	.18	1.1	.76	.10	.10	.08	.08	.05	.05
27	.05	.21	2.0	.55	6.8	.68	.09	.10	.09	.08	.04	.06
28	.05	.07	1.2	.31	6.5	.23	.09	.10	.09	.07	.05	.08
29	.05	.07	.54	.16	-----	.20	.09	.10	.09	.07	.05	.08
30	.06	.08	.32	.17	-----	.20	.09	.09	.09	.07	.05	.08
31	.06	-----	.22	.14	-----	.20	-----	.09	-----	.07	.06	-----
TOTAL	2.86	7.10	23.04	10.26	35.01	8.80	8.41	2.49	2.09	2.45	1.70	3.36
MEAN	.092	.24	.74	.33	1.25	.28	.28	.080	.070	.079	.055	.11
MAX	.53	2.6	4.3	1.8	6.8	1.5	1.8	.10	.09	.11	.07	1.7
MIN	.04	.05	.08	.14	.13	.14	.09	.07	.05	.06	.04	.03
AC-FT	5.7	14	46	20	69	17	17	4.9	4.1	4.9	3.4	6.7
CAL YEAR 2006	TOTAL	434.89	MEAN	1.19	MAX	56	MIN	.02	AC-FT	863		
WTR YEAR 2007	TOTAL	107.57	MEAN	.29	MAX	6.8	MIN	.03	AC-FT	213		

FIGURE D-75

ARROYO DEL REY AT DEL REY OAKS - WY 2008



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TABLE D-75

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
ARROYO DEL REY AT DEL REY OAKS

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2007 TO SEP 2008

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.08	.06	.06	.08	1.5	.40	.36	.30	.09	.07e	.06e	.05e
2	.08	.05	.06	.09	1.4	.39	.57	.26	.08	.07e	.06e	.05e
3	.09	.05	.05	.63	20	.35	.39	.26	.08	.07e	.05e	.05e
4	.10	.04	.05	23	9.8	.34	.36	.26	.10	.07e	.05e	.05e
5	.11	.04	.05	17	3.2	.33	.36	.27	.11	.07e	.05e	.05e
6	.08	.04	.60	7.1	1.5	.32	.36	.23	.07	.07e	.05e	.05e
7	.07	.04	.29	2.8	1.0	.27	.34	.24	.09	.07e	.05e	.04e
8	.08	.04	.06	2.2	.77	.26	.34	.25	.09	.06e	.05e	.04e
9	.08	.03	.06	1.5	.62	.27	.33	.24	.07	.06e	.05e	.04e
10	2.3	.04	.06	.70	.54	.25	.31	.21	.07	.06e	.05e	.04e
11	.09	1.1	.06	.39	.46	.24	.28	.21	.07	.06e	.05e	.04e
12	.94	.05	.06	.33	.42	.26	.23	.19	.07	.06e	.05e	.04e
13	.14	.06	.07	.31	.36	.23	.23	.19	.07	.06e	.05e	.04e
14	.09	.04	.07	.29	.34	.24	.24	.17	.07e	.06e	.05e	.04e
15	.07	.04	.06	.30	.34	1.4	.29	.18	.07e	.06e	.05e	.04e
16	.09	.04	.06	.31	.34	.45	.29	.16	.07e	.06e	.05e	.04e
17	.18	.03	.08	.29	.33	.30	.29	.16	.07e	.06e	.05e	.04e
18	.06	.04	.89	.29	.33	.26	.29	.16	.07e	.06e	.05e	.04e
19	.06	.04	.10	.29	.40	.24	.31	.15	.07e	.06e	.05e	.04e
20	.20	.04	.34	.32	2.8	.24	.33	.15	.07e	.06e	.05e	.04e
21	.06	.04	.12	.92	1.1	.29	.34	.17	.07e	.06e	.05e	.04e
22	.05	.05	.09	4.3	6.6	.31	.35	.18	.07e	.06e	.05e	.04e
23	.04	.06	.09	1.8	5.0	.30	.42	.17	.07e	.06e	.05e	.04e
24	.05	.06	.08	15	8.8	.30	.37	.15	.07e	.06e	.05e	.04e
25	.05	.06	.08	15	4.1	.28	.36e	.16	.07e	.06e	.05e	.04e
26	.06	.05	.08	13	3.3	.28	.35e	.14	.07e	.06e	.05e	.04e
27	.05	.05	.08	23	1.0	.30	.34	.14	.07e	.06e	.05e	.04e
28	.05	.05	.10	23	.65	.31	.32	.11	.07e	.06e	.05e	.04e
29	.05	.05	.08	6.9	.46	.36	.31	.09	.07e	.06e	.05e	.04e
30	.05	.05	.07	3.2	-----	.35	.30	.10	.07e	.06e	.05e	.04e
31	.06	-----	.08	1.5	-----	.36	-----	.10	-----	.06e	.05e	-----
TOTAL	5.56	2.43	4.08	165.84	77.46	10.48	9.96	5.75	2.25	1.93	1.57	1.26
MEAN	.18	.081	.13	5.35	2.67	.34	.33	.19	.075	.062	.051	.042
MAX	2.3	1.1	.89	23	20	1.4	.57	.30	.11	.07	.06	.05
MIN	.04	.03	.05	.08	.33	.23	.23	.09	.07	.06	.05	.04
AC-FT	11	4.8	8.1	329	154	21	20	11	4.5	3.8	3.1	2.5

CAL YEAR 2007	TOTAL	86.64	MEAN	.24	MAX	6.8	MIN	.03	AC-FT	172
WTR YEAR 2008	TOTAL	288.57	MEAN	.79	MAX	23	MIN	.03	AC-FT	572

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER BASIN

**SURFACE WATER RESOURCES DATA REPORT
WATER YEARS 2004 - 2008**

APPENDIX E

PEAK FLOW DATA

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

TABLE E-1

**CARMEL RIVER BASIN STREAMFLOW GAGING STATIONS
SUMMARY OF INSTANTANEOUS PEAK FLOWS**

WATER YEAR 2004				
STATION	DATE	TIME	GHT (feet)	Q (cfs)
Cachagua Creek	February 25, 2004	1345	5.21	290
Pine Creek	February 25, 2004	1500	3.16	127
San Clemente Creek	February 25, 2004	1515	3.99	267
Tularcitos Creek	February 25, 2004	1320	4.41	65
Hitchcock Creek	February 25, 2004	1215	4.21	84
Garzas Creek at Garzas Road	February 25, 2004	1330	3.80	367
Robinson Canyon Creek	February 25, 2004	1345	3.99	100
Potrero Creek	February 25, 2004	1500	2.03	56
San Jose Creek	February 25, 2004	1430	4.35	146
Arroyo Del Rey at Del Rey Oaks	December 30, 2003	0145	4.96	54
	February 25, 2004	1600	4.84	46
Los Padres Dam Spillway	February 25, 2004	1600	1042.60	1,530
Carmel River at Robles del Rio (USGS)	February 25, 2004	1800	5.85	3,400
Carmel River at Don Juan Bridge	February 25, 2004	1845	9.17	3,440
Carmel River near Carmel (USGS)	February 25, 2004	2200	10.87	3,380
Carmel River at Highway 1 Bridge	February 25, 2004	2245	11.51	2,710

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

TABLE E-2

**CARMEL RIVER BASIN STREAMFLOW GAGING STATIONS
SUMMARY OF INSTANTANEOUS PEAK FLOWS**

WATER YEAR 2005				
STATION	DATE	TIME	GHT (feet)	Q (cfs)
Cachagua Creek	February 21, 2005	0315	4.65	201
Pine Creek	December 31, 2004	0315	3.47	212
San Clemente Creek	December 31, 2004	0415	4.31	353
Tularcitos Creek	March 22, 2005	1830	3.97	36
Hitchcock Creek	January 10, 2005	2300	3.64	42
	March 22, 2005	1530	3.73	46
Garzas Creek at Garzas Road	December 31, 2004	0350	3.74	387
Robinson Canyon Creek	March 22, 2005	1615	4.47	166
Potrero Creek	March 22, 2005	1600	3.37	208
San Jose Creek	March 22, 2005	1545	4.71	204
Arroyo Del Rey at Del Rey Oaks	March 4, 2005	1545	5.29	83
Los Padres Dam Spillway	December 31, 2004	0445	1042.55	1,490
Carmel River at Robles del Rio (USGS)	December 31, 2004	0700	6.00	3,100
Carmel River at Don Juan Bridge	December 31, 2004	0815	9.31	3,050
Carmel River near Carmel (USGS)	December 31, 2004	1045	10.74	3,220
Carmel River at Highway 1 Bridge	December 31, 2004	1130	11.39	2,050

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

TABLE E-3

**CARMEL RIVER BASIN STREAMFLOW GAGING STATIONS
SUMMARY OF INSTANTANEOUS PEAK FLOWS**

WATER YEAR 2006				
STATION	DATE	TIME	GHT (feet)	Q (cfs)
Cachagua Creek	February 27, 2006	2130	5.40	382
Pine Creek	December 31, 2005	1015	4.22	485
San Clemente Creek	December 31, 2005	1045	4.63	455
Tularcitos Creek	April 5, 2006	1215	5.35	194
Hitchcock Creek	April 5, 2006	0815	4.15	70
Garzas Creek at Garzas Road	April 5, 2006	0850	4.22	525
Robinson Canyon Creek	April 5, 2006	0815	4.56	168
Potrero Creek	April 5, 2006	0845	3.24	189
San Jose Creek	April 4, 2006	2200	5.26	440
Arroyo Del Rey at Del Rey Oaks	April 5, 2006	0200	5.25	80
Los Padres Dam Spillway	December 31, 2005	1200	1043.44	2,380
Carmel River at Robles del Rio (USGS)	December 31, 2005	1445	6.41	3,580
	April 5, 2006	1015	5.92	2,950
Carmel River at Don Juan Bridge	December 31, 2005	1600	9.77	3,200
	April 5, 2006	1130	9.91	3,350
Carmel River near Carmel (USGS)	December 31, 2005	1915	10.55	3,010
	April 5, 2006	1130	11.57	4,210
Carmel River at Highway 1 Bridge	December 31, 2005	2015	11.36	2,350
	April 5, 2006	1330	12.10	3,500

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

TABLE E-4

**CARMEL RIVER BASIN STREAMFLOW GAGING STATIONS
SUMMARY OF INSTANTANEOUS PEAK FLOWS**

WATER YEAR 2007				
STATION	DATE	TIME	GHT (feet)	Q (cfs)
Cachagua Creek	February 28, 2007	0845	2.90	5.2
Pine Creek	February 27, 2007	0215	2.22	24
San Clemente Creek	February 27, 2007	0200	2.89	54
Tularcitos Creek	December 22, 2006 March 27, 2007	0035 0925	3.39 3.32	2.1 2.2
Hitchcock Creek	February 27, 2007	0645	2.55	1.1
Garzas Creek at Garzas Road	February 26, 2007	2300	2.64	52
Robinson Canyon Creek	February 27, 2007	0300	2.55	3.9
Potrero Creek	February 27, 2007	2130	1.11	5.7
San Jose Creek	February 27, 2007	2200	3.09	20
Arroyo Del Rey at Del Rey Oaks	December 10, 2006	1130	4.59	32
Los Padres Dam Spillway	February 27, 2007	0215	1040.63	188
Carmel River at Robles del Rio (USGS)	February 27, 2007	0730	2.44	330
Carmel River at Don Juan Bridge	February 27, 2007	0915	5.40	293
Carmel River near Carmel (USGS)	February 27, 2007	1745	5.88	219
Carmel River at Highway 1 Bridge	February 27, 2007	1230	3.65	247

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

TABLE E-5

CARMEL RIVER BASIN STREAMFLOW GAGING STATIONS
SUMMARY OF INSTANTANEOUS PEAK FLOWS

WATER YEAR 2008				
STATION	DATE	TIME	GHT (feet)	Q (cfs)
Cachagua Creek	January 27, 2008	0300	5.09	279
Pine Creek	January 4, 2008	1600	4.13	439
San Clemente Creek	January 4, 2008	1630	4.48	413
Tularcitos Creek	January 27, 2008	0650	4.38	60
Hitchcock Creek	February 24, 2008	1300	3.39	30
Garzas Creek at Garzas Road	January 27, 2008	1545	3.27	264
Robinson Canyon Creek	January 27, 2008	1415	4.08	110
Potrero Creek	January 27, 2008	1515	2.45	88
San Jose Creek	January 28, 2008	0115	4.09	122
Arroyo Del Rey at Del Rey Oaks	January 4, 2008	2145	5.10	61
Los Padres Dam Spillway	January 4, 2008	1830	1043.27	2,190
Carmel River at Robles del Rio (USGS)	January 4, 2008	2145	6.85	3,710
Carmel River at Don Juan Bridge	January 4, 2008	2315	10.04	3,500
Carmel River near Carmel (USGS)	January 28, 2008	0345	10.02	2,470
Carmel River at Highway 1 Bridge	January 28, 2008	0500	10.10	2,480

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER BASIN

**SURFACE WATER RESOURCES DATA REPORT
WATER YEARS 2004 - 2008**

APPENDIX F

RESERVOIR LEVELS

FIGURE F-1

LOS PADRES RESERVOIR - WY 2004

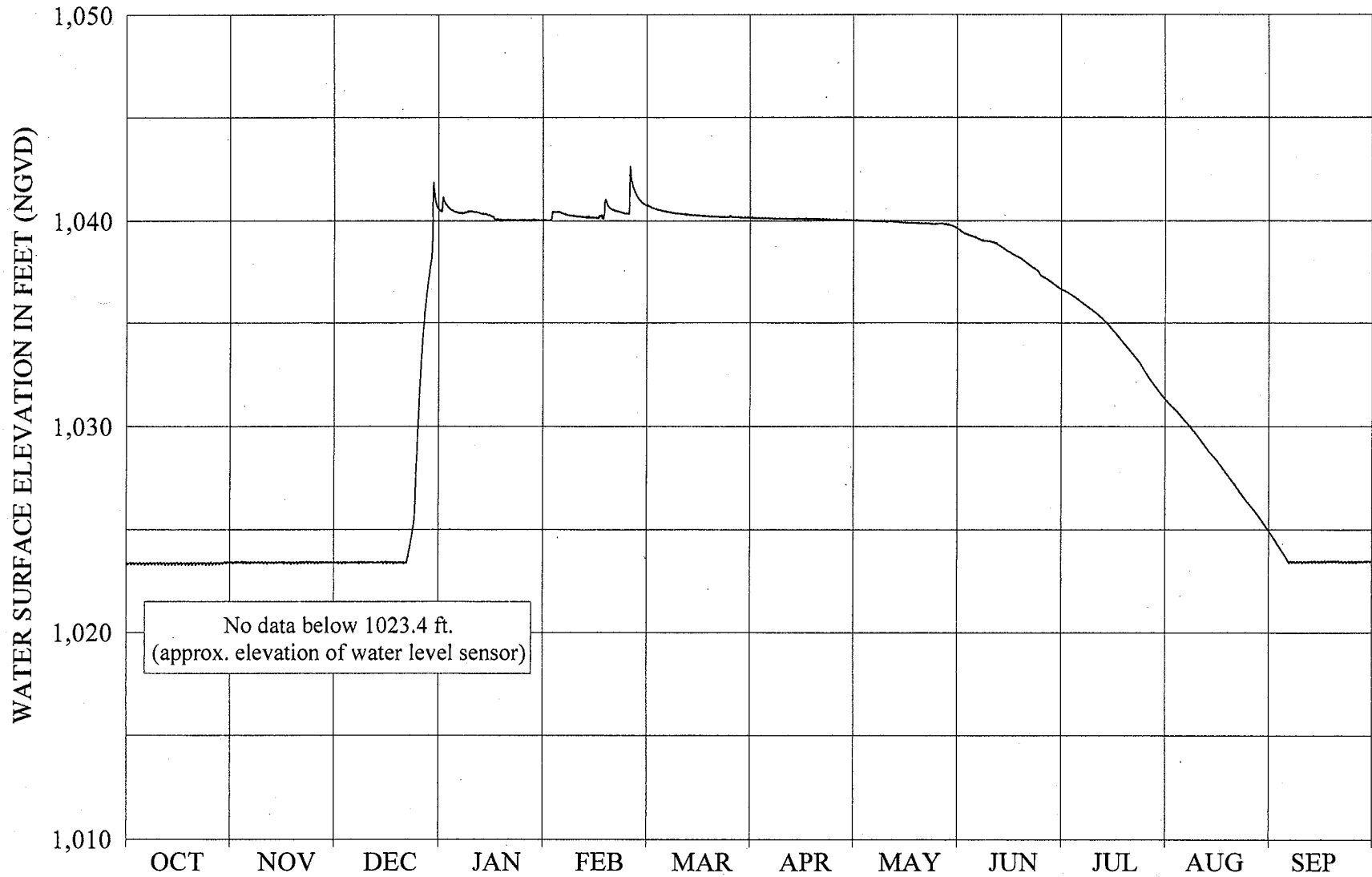


FIGURE F-2

LOS PADRES RESERVOIR - WY 2005

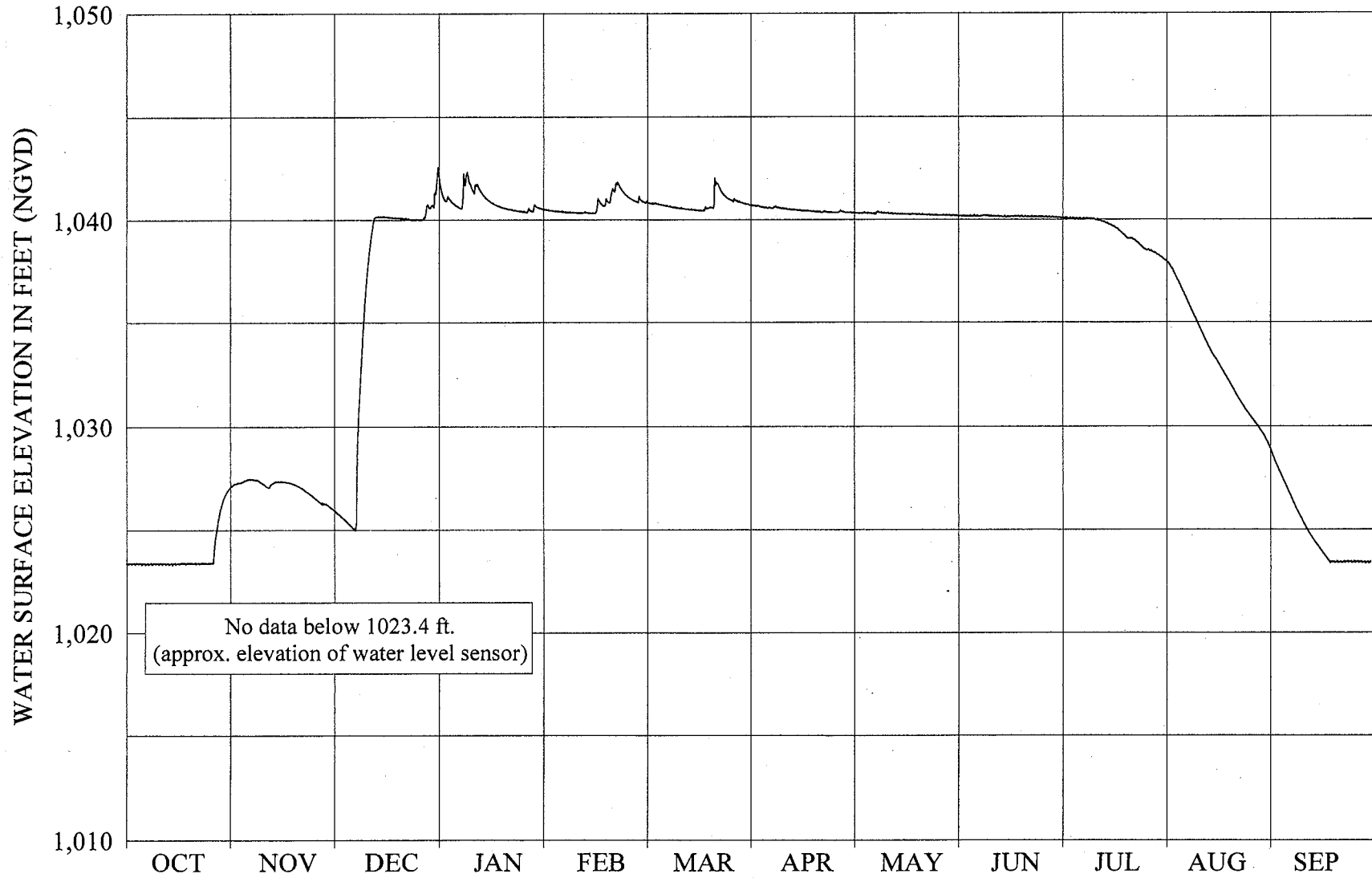


FIGURE F-3

LOS PADRES RESERVOIR - WY 2006

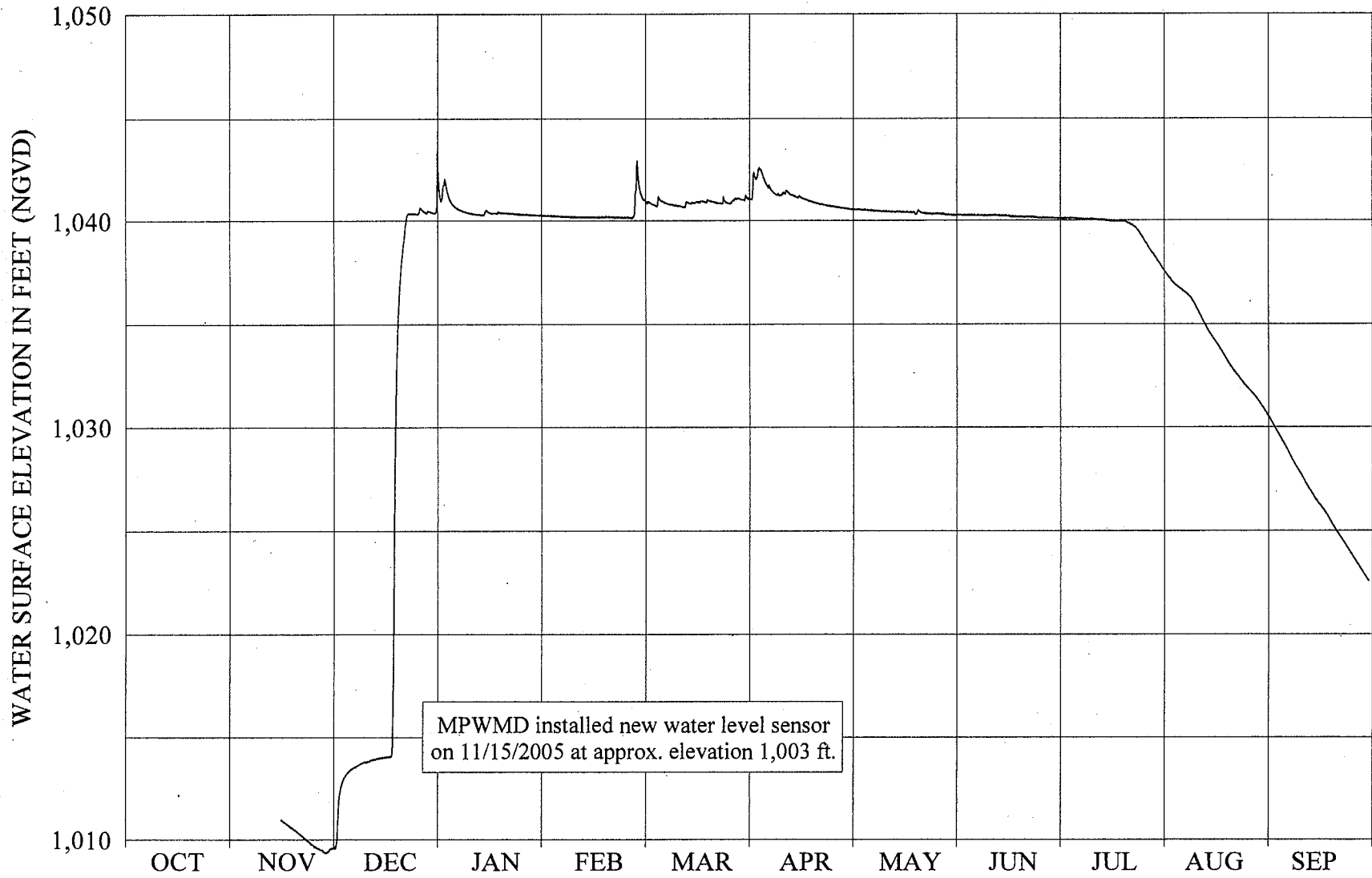


FIGURE F-4

LOS PADRES RESERVOIR - WY 2007

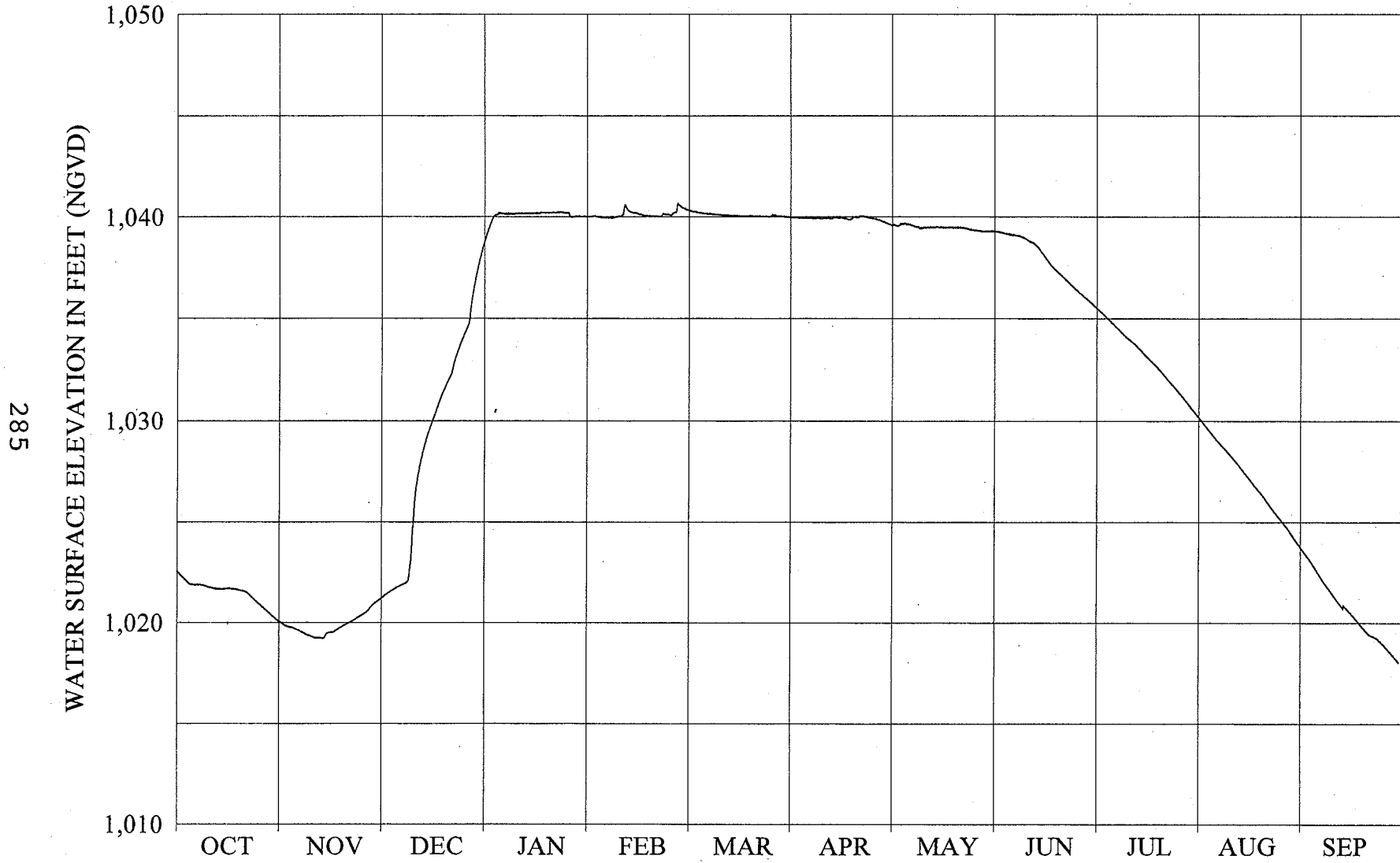


FIGURE F-5

LOS PADRES RESERVOIR - WY 2008

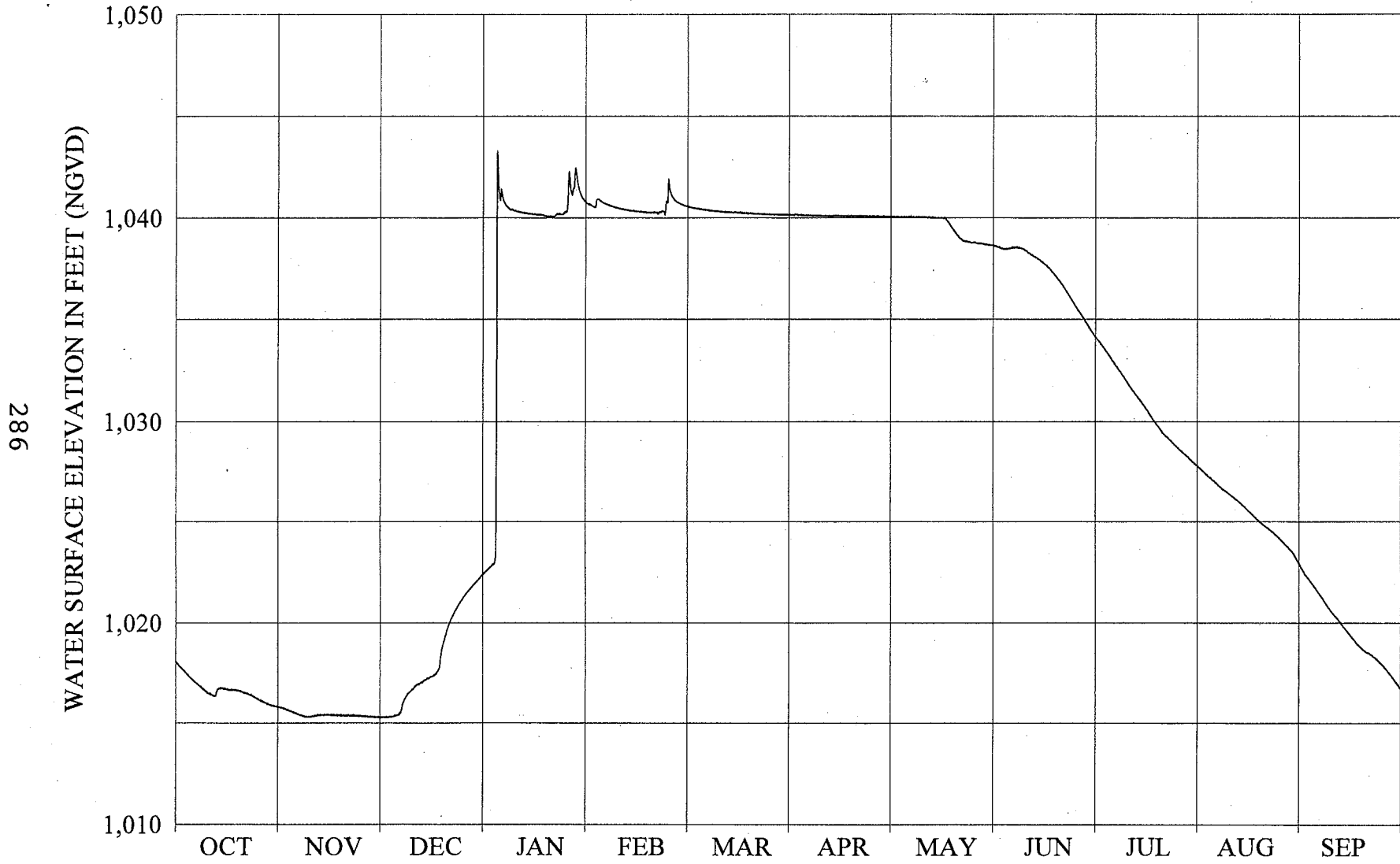


FIGURE F-6

SAN CLEMENTE RESERVOIR - WY 2004

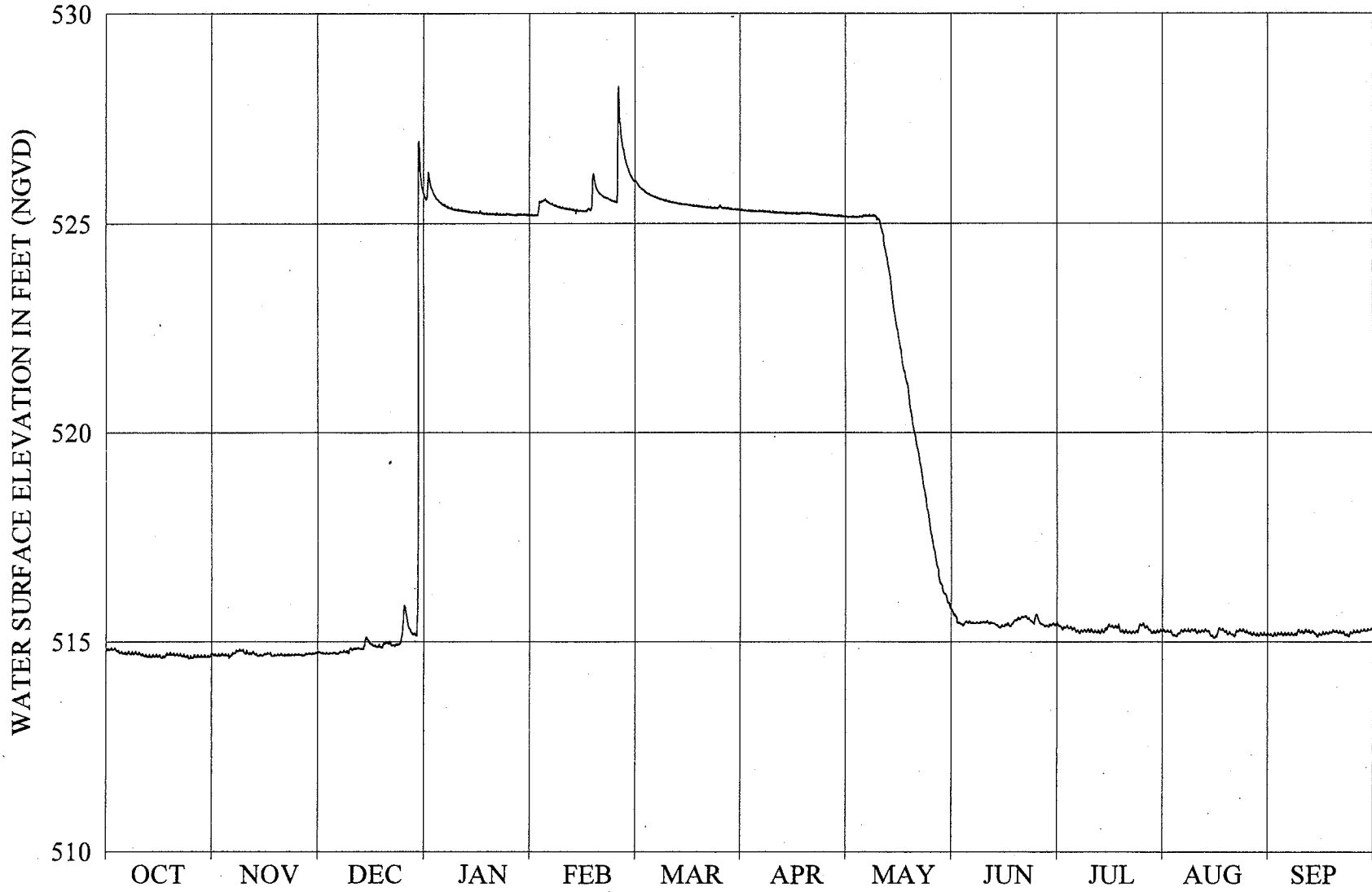


FIGURE F-7

SAN CLEMENTE RESERVOIR - WY 2005

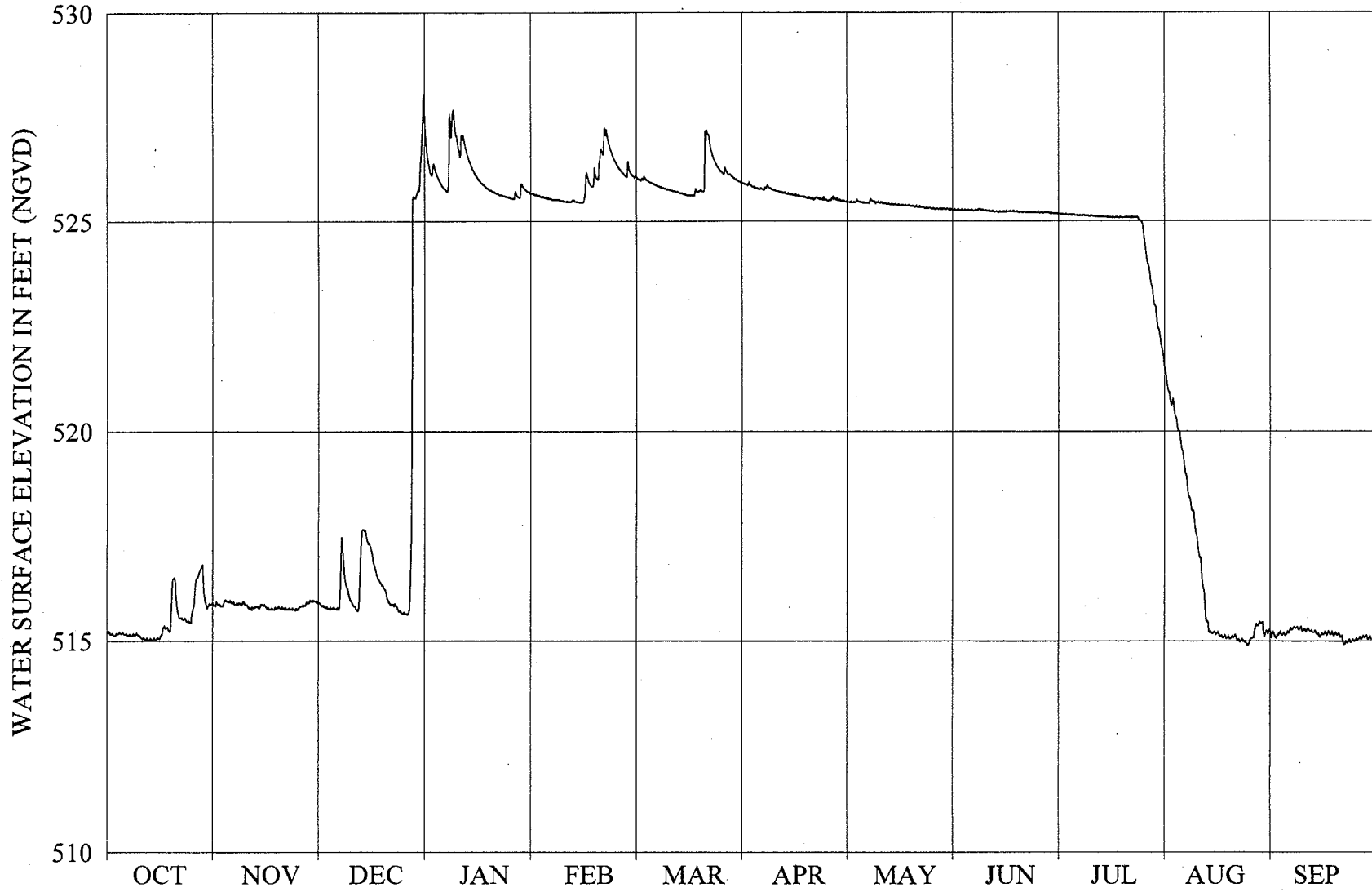


FIGURE F-8

SAN CLEMENTE RESERVOIR - WY 2006

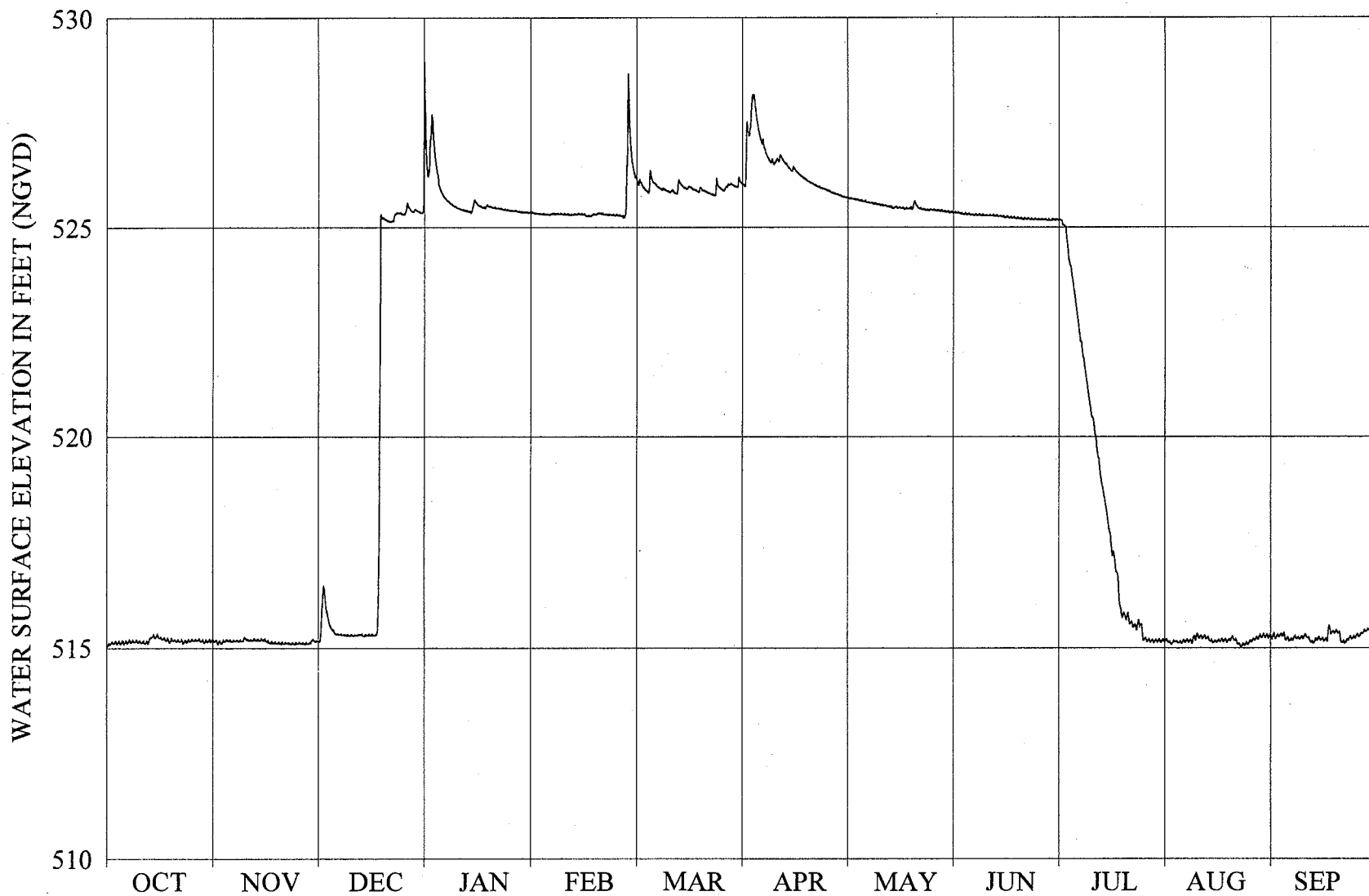


FIGURE F-9

SAN CLEMENTE RESERVOIR - WY 2007

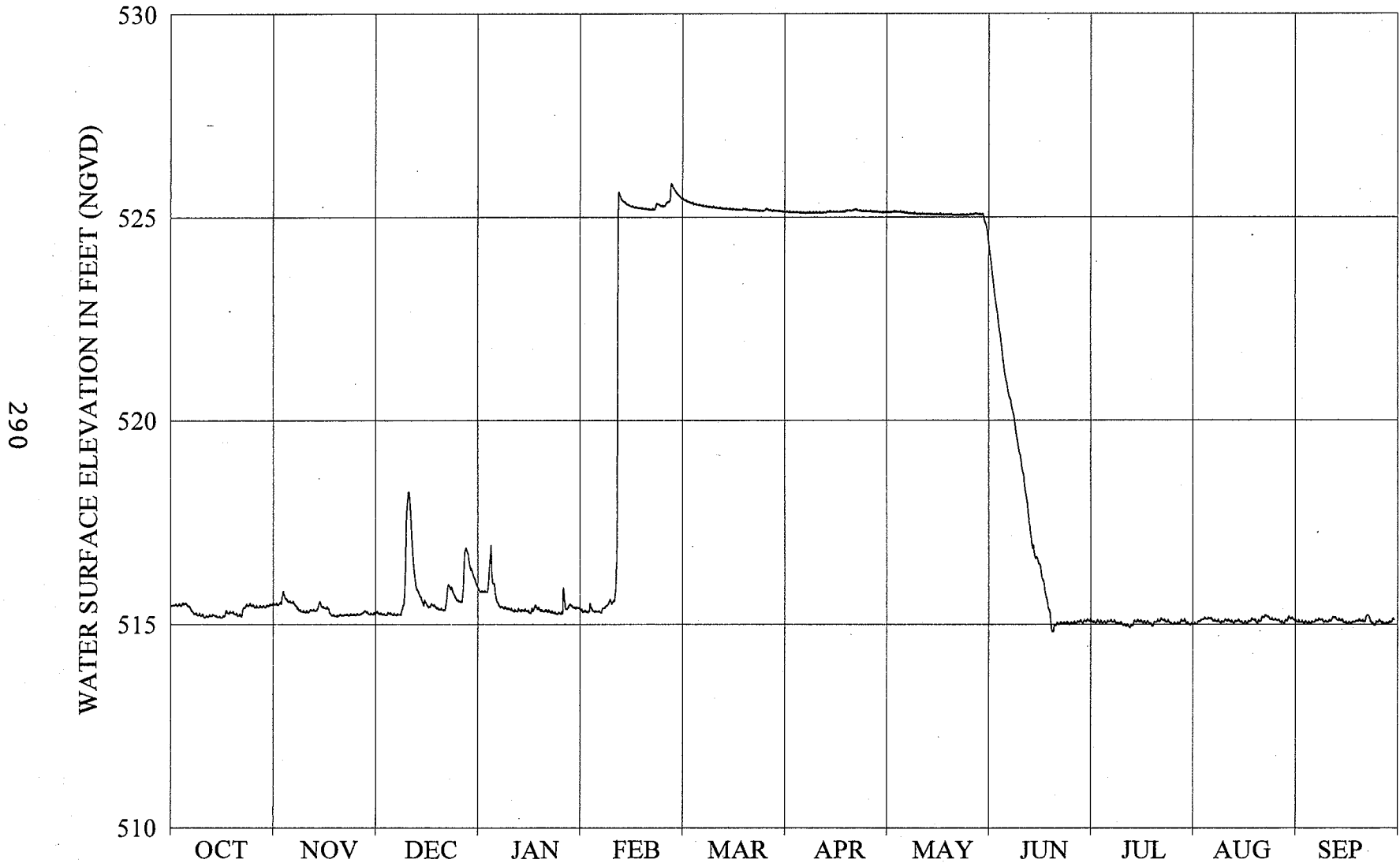
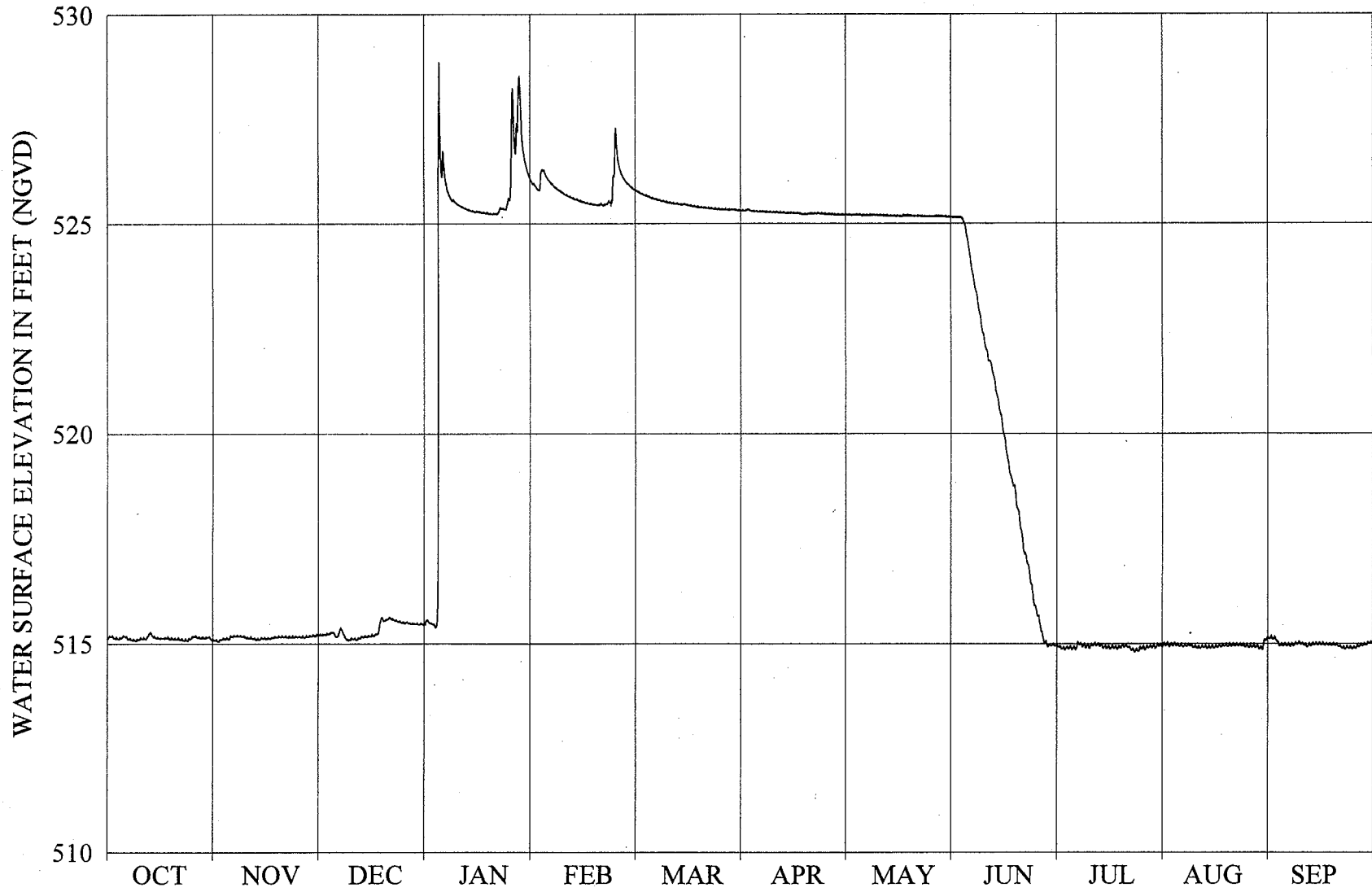


FIGURE F-10

SAN CLEMENTE RESERVOIR - WY 2008

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MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER BASIN

**SURFACE WATER RESOURCES DATA REPORT
WATER YEARS 2004 - 2008**

APPENDIX G

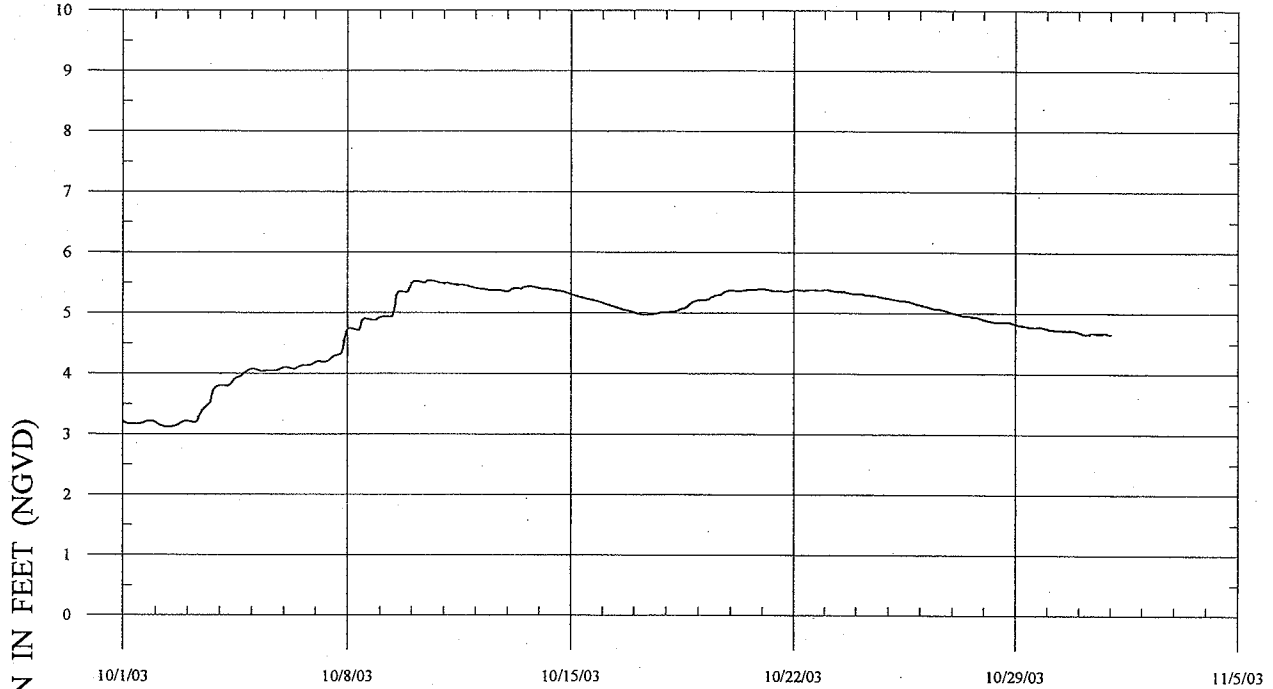
LAGOON WATER LEVEL AND CROSS SECTION DATA

FIGURE G-1

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

OCTOBER 2003



NOVEMBER 2003

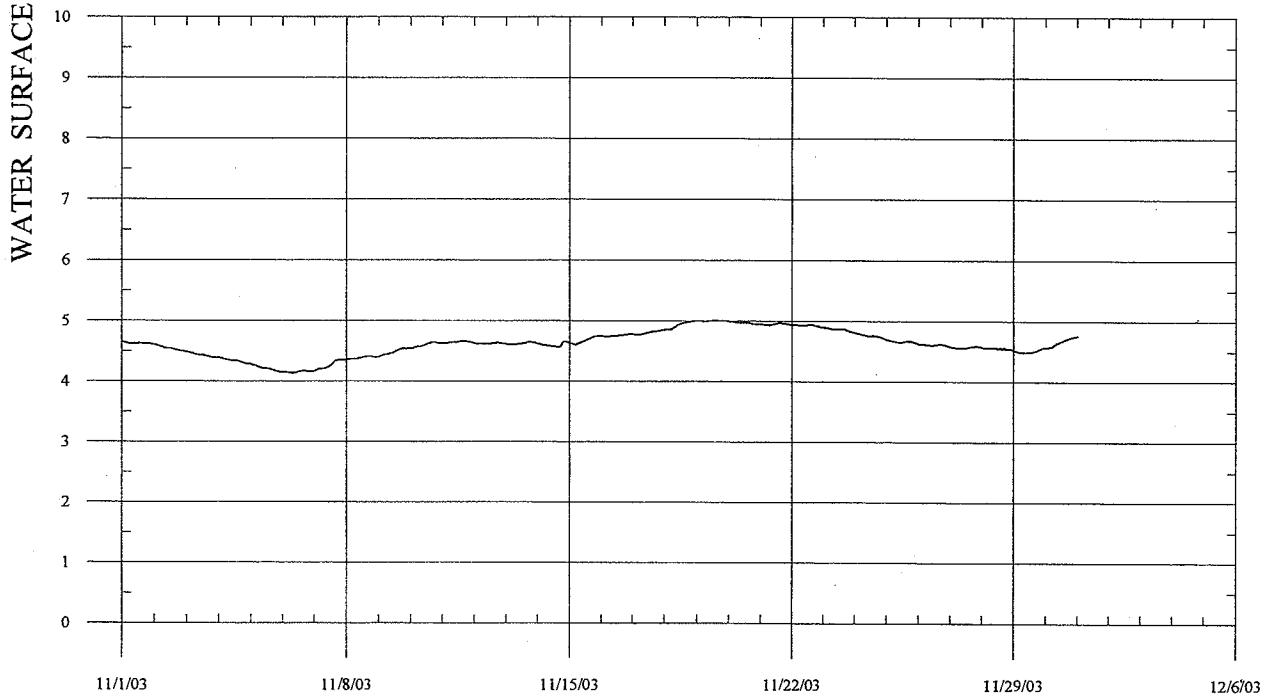
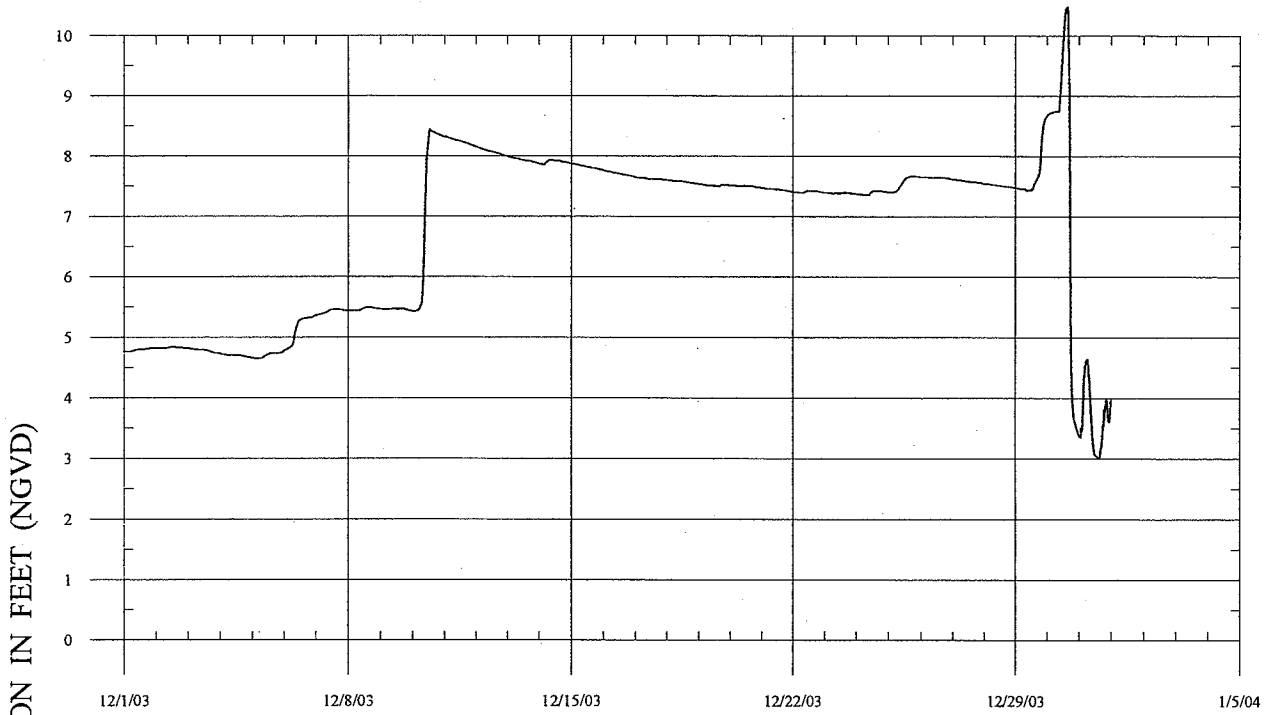


FIGURE G-2

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

DECEMBER 2003



JANUARY 2004

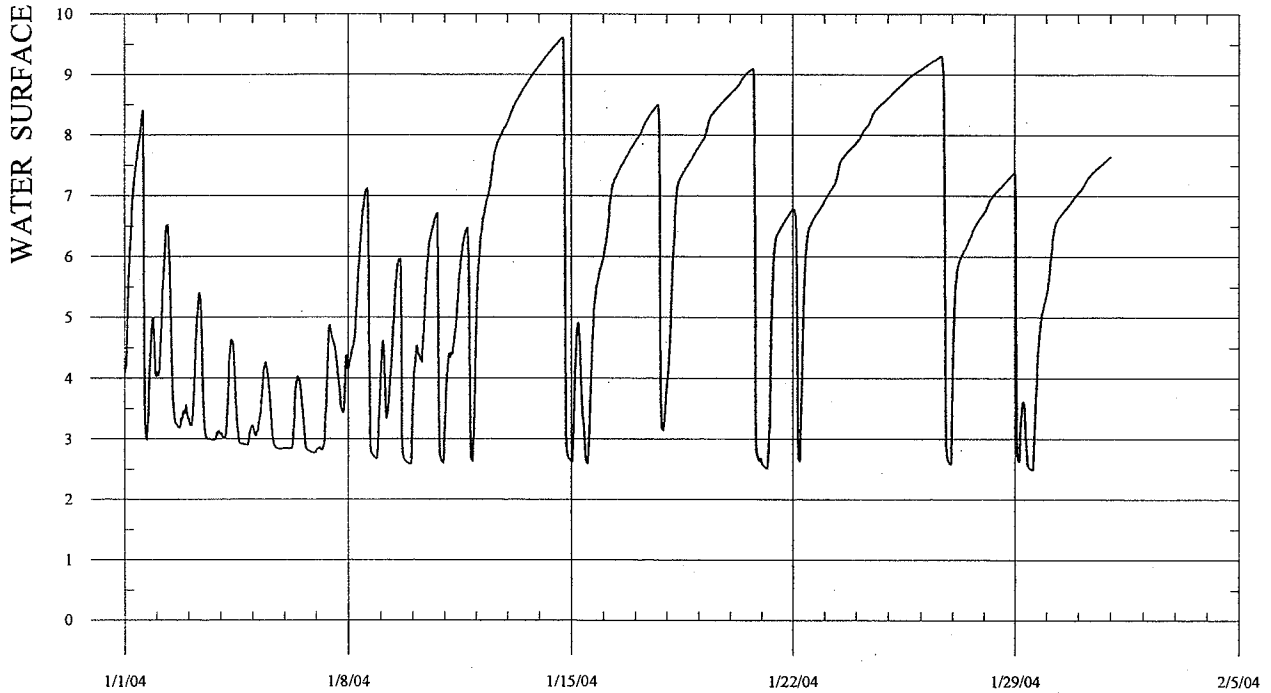
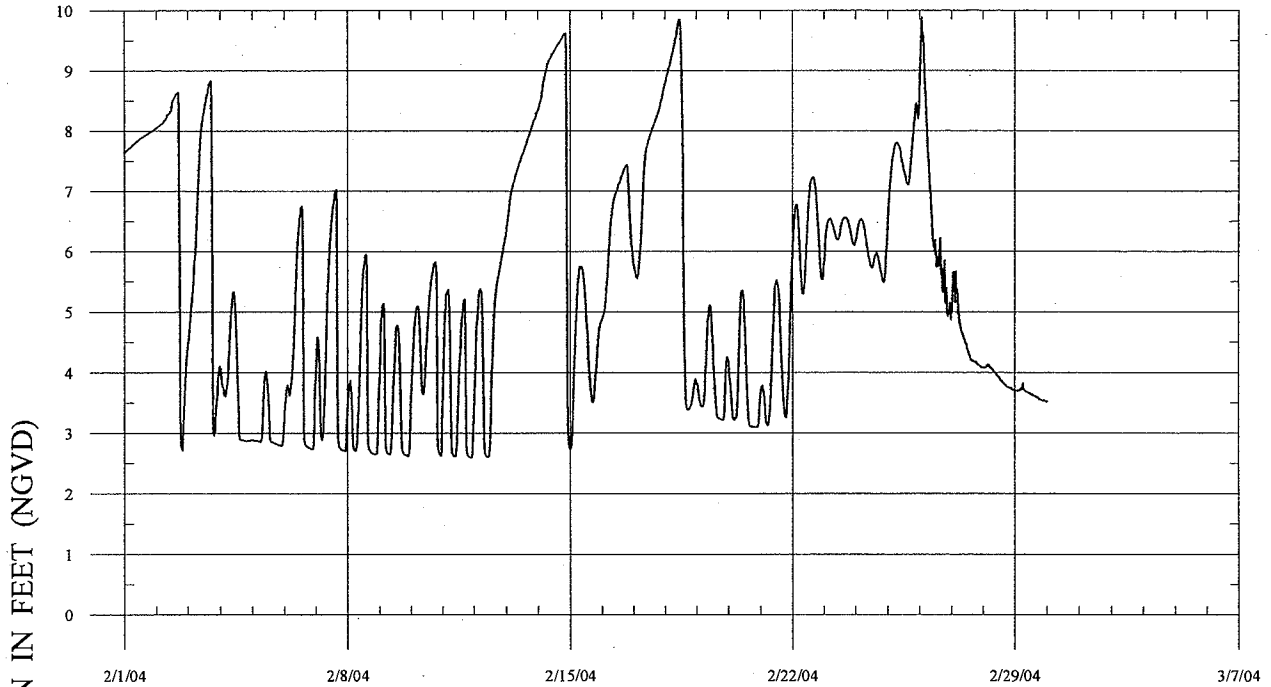


FIGURE G-3

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

FEBRUARY 2004



MARCH 2004

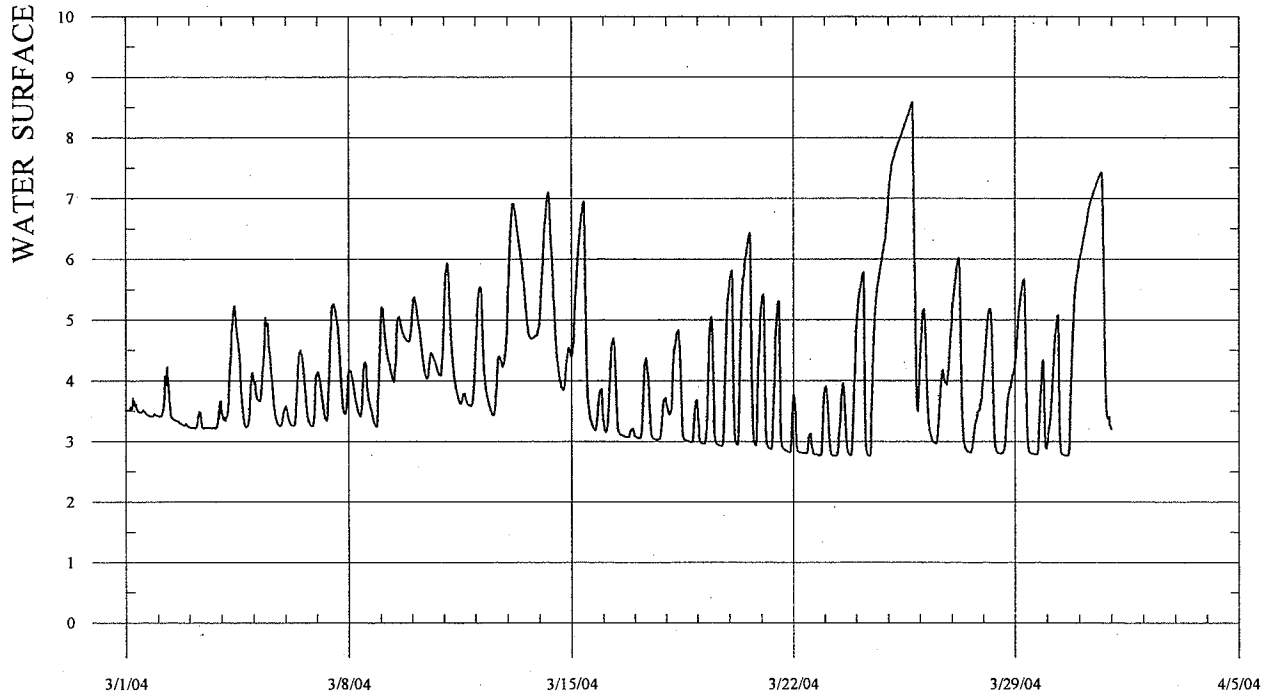
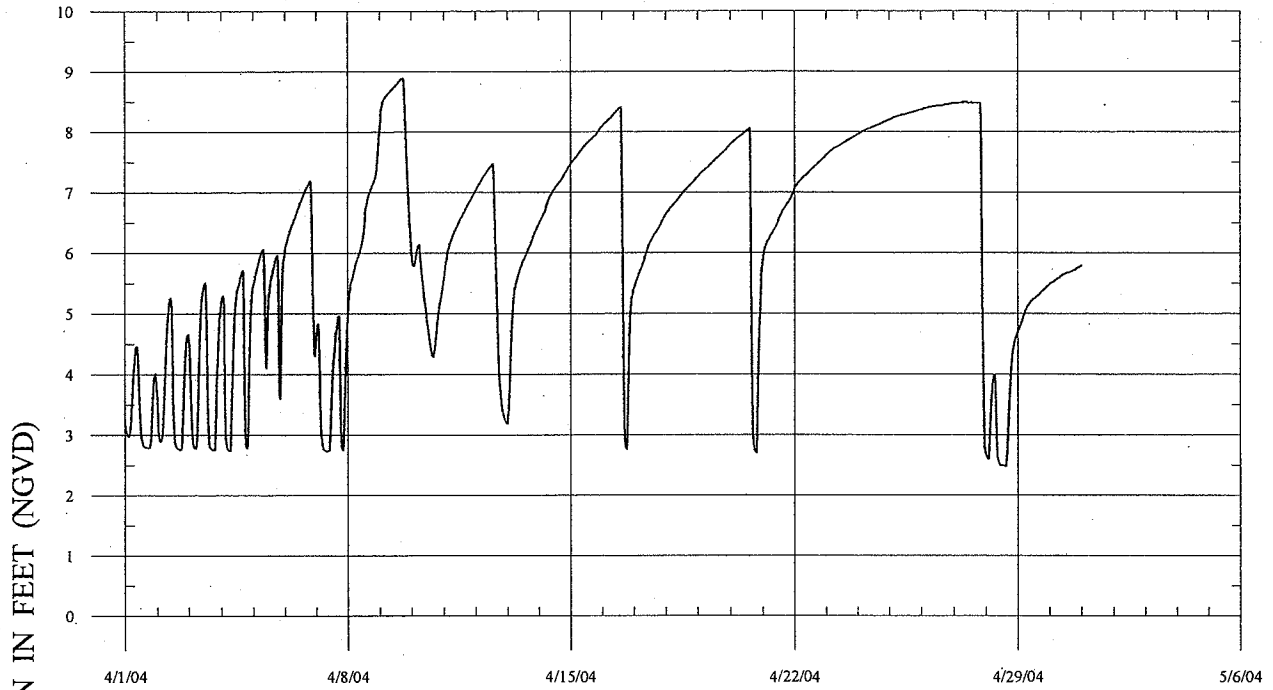


FIGURE G-4

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

APRIL 2004



MAY 2004

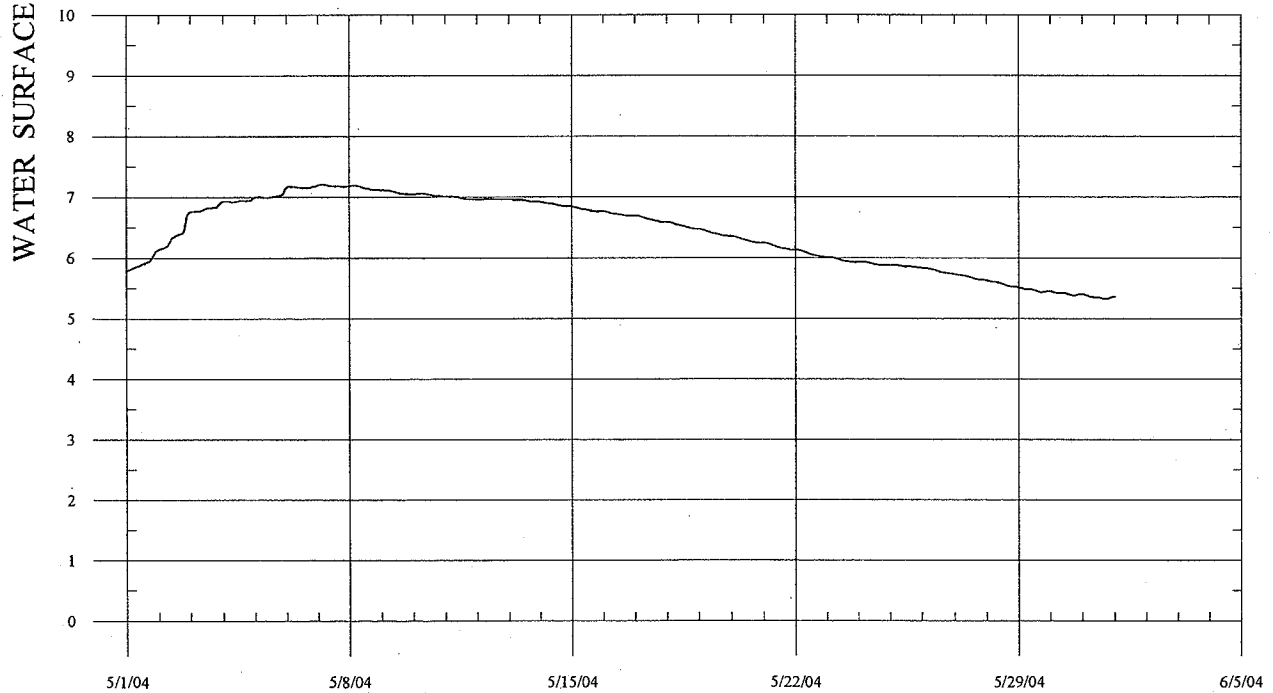
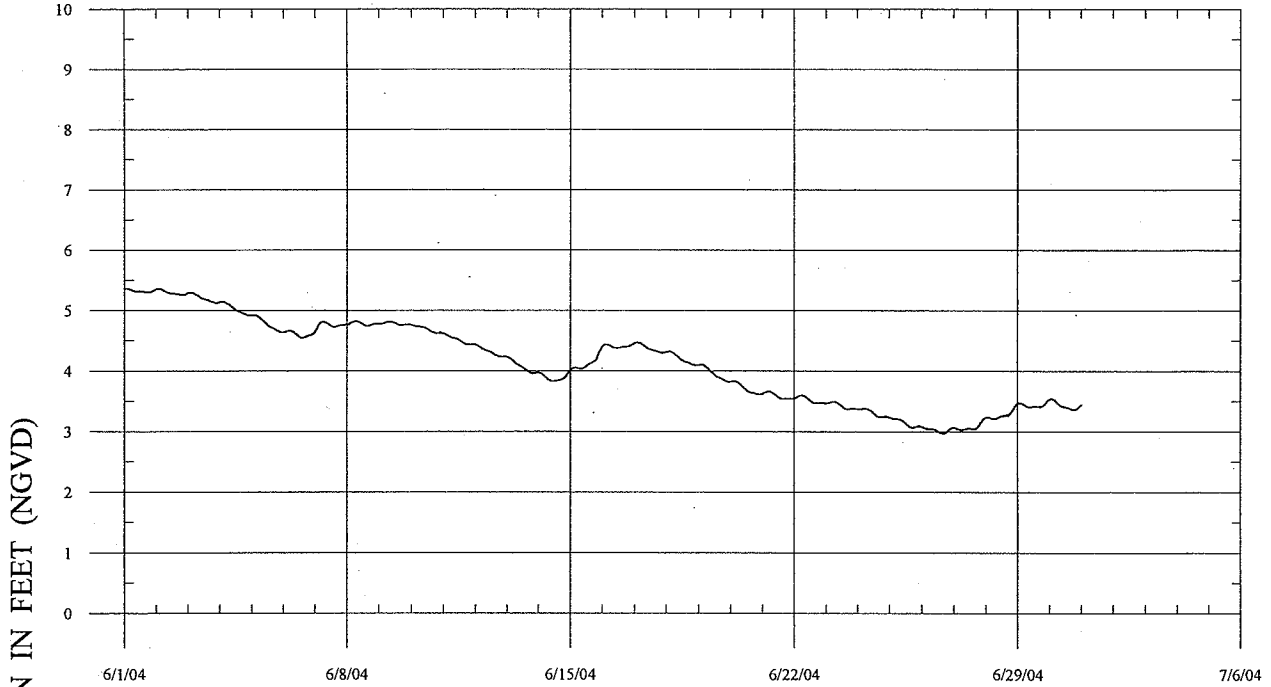


FIGURE G-5

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

JUNE 2004



JULY 2004

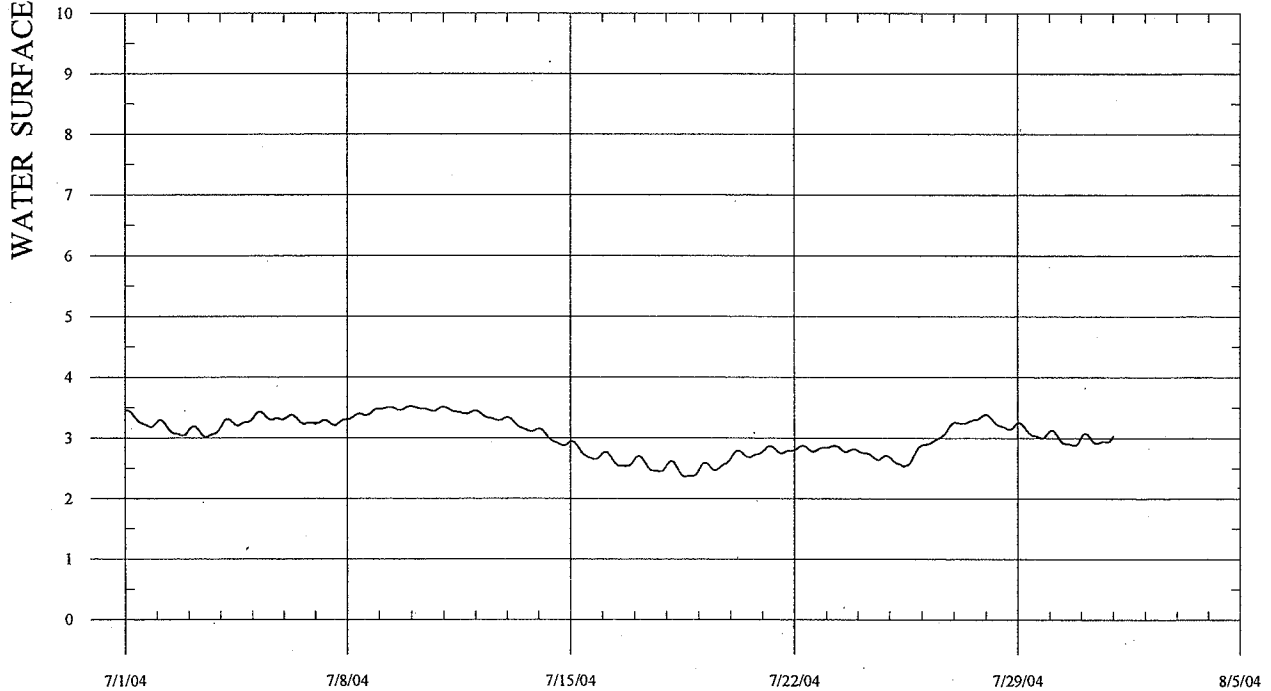
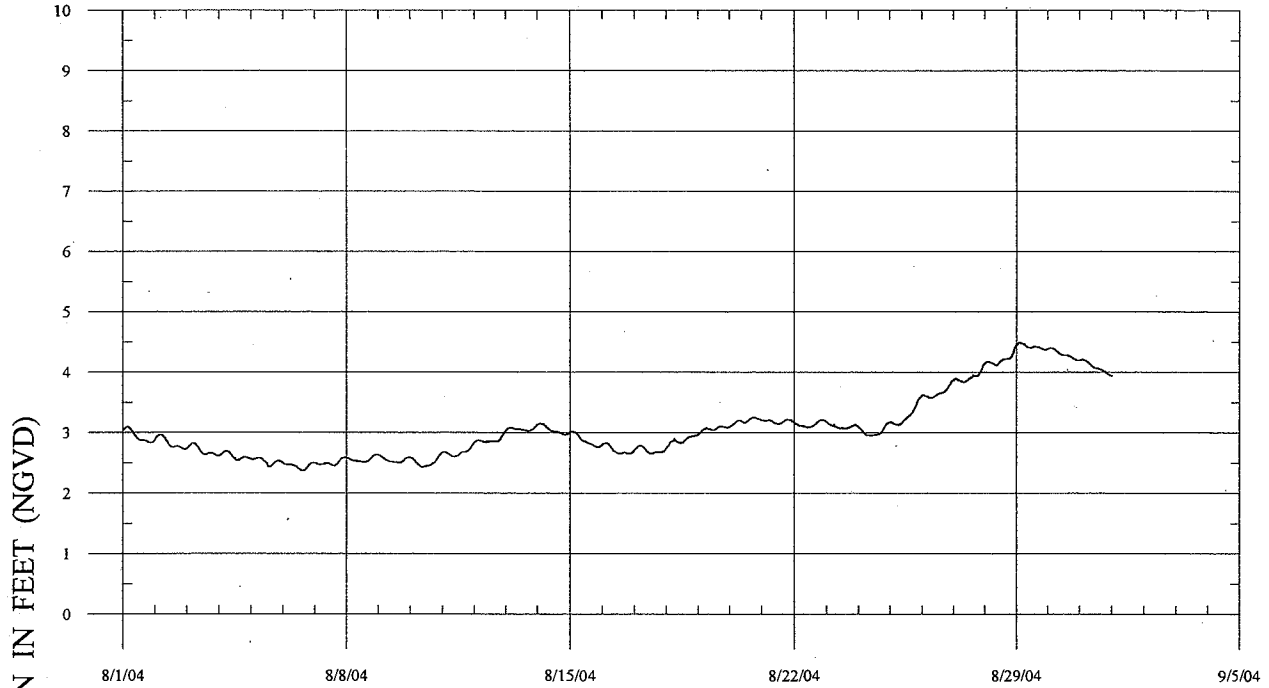


FIGURE G-6

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

AUGUST 2004



SEPTEMBER 2004

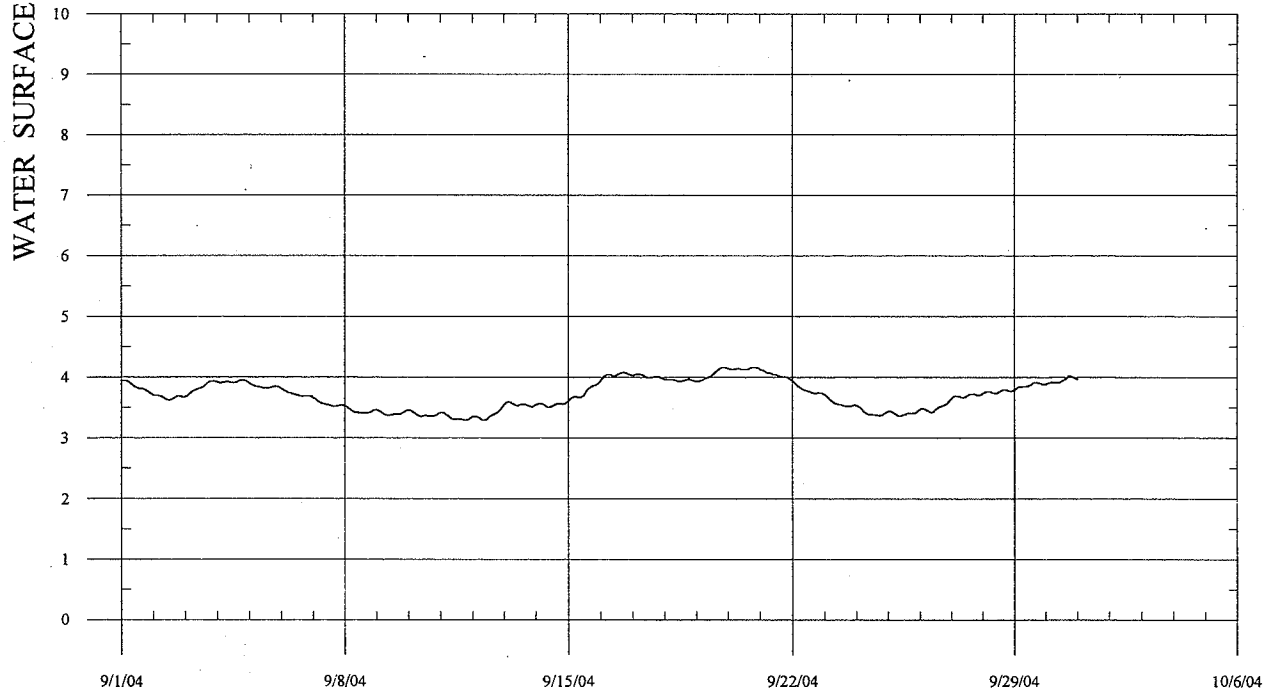
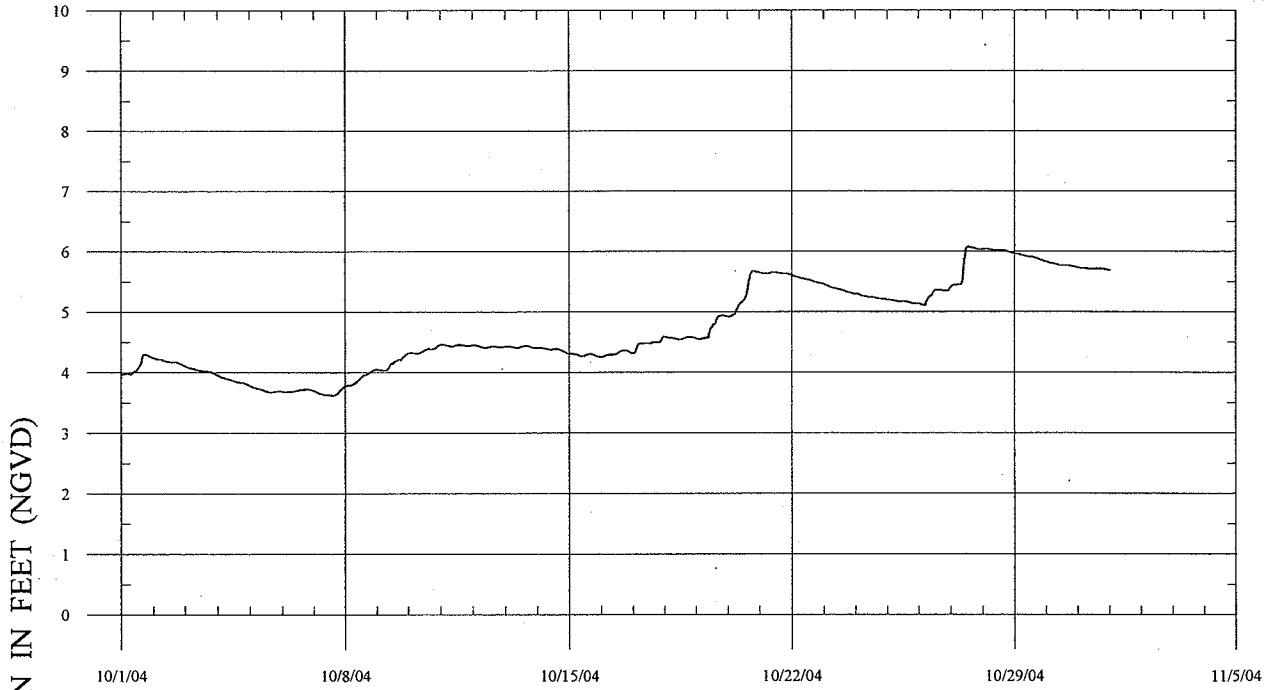


FIGURE G-7

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

OCTOBER 2004



NOVEMBER 2004

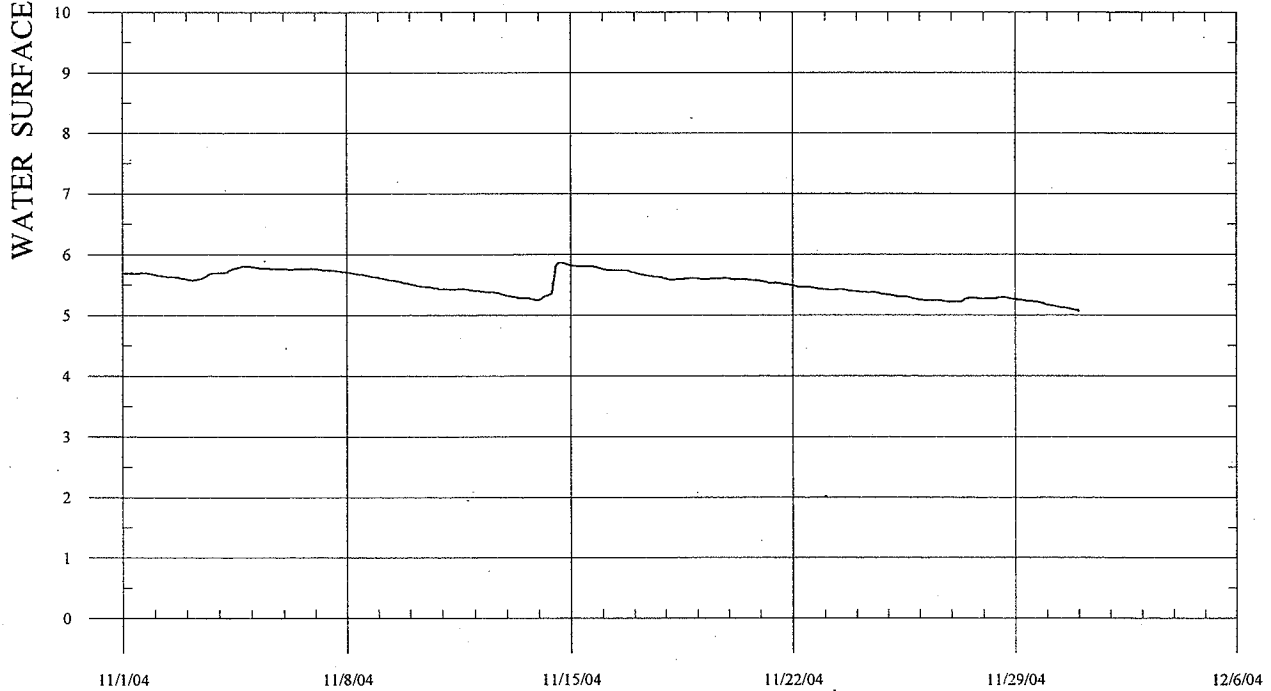
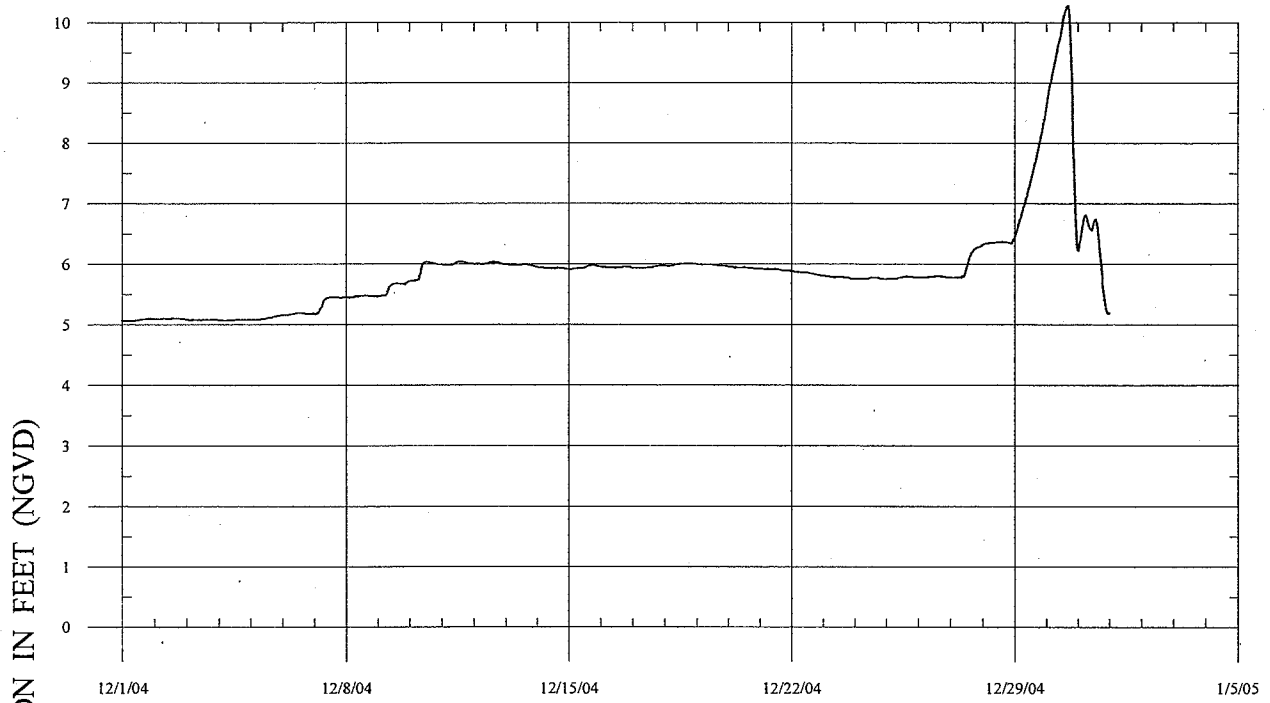


FIGURE G-8

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

DECEMBER 2004



JANUARY 2005

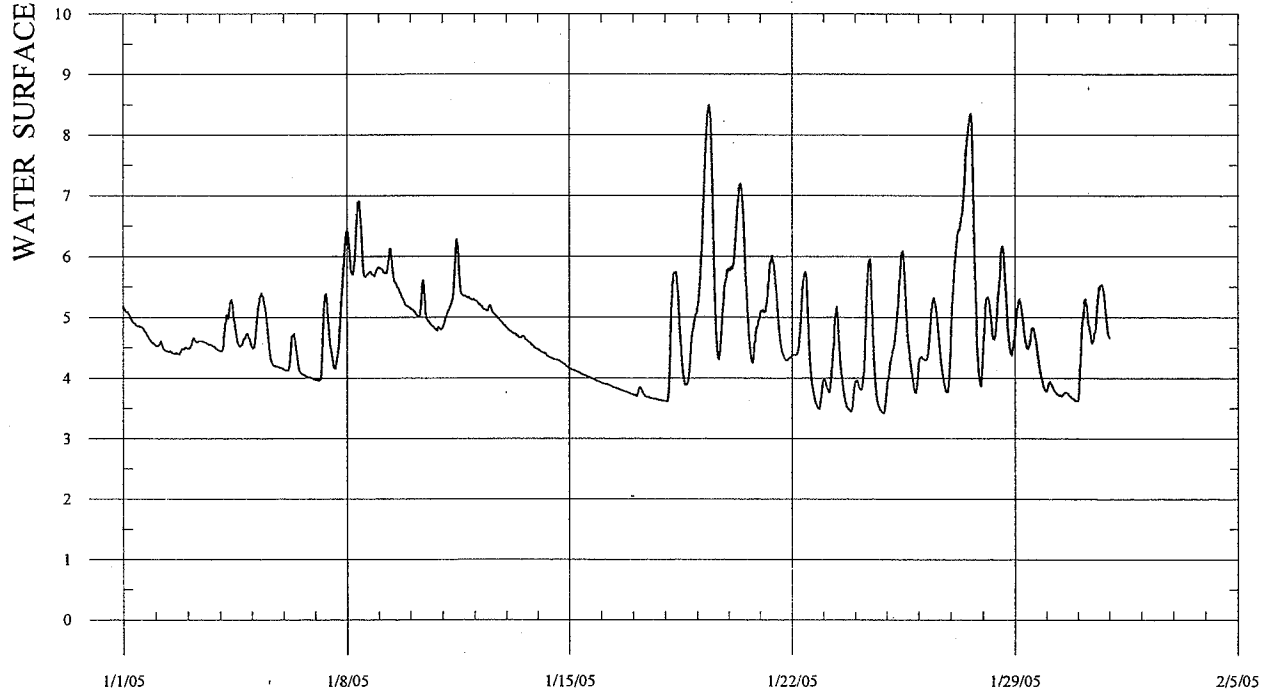
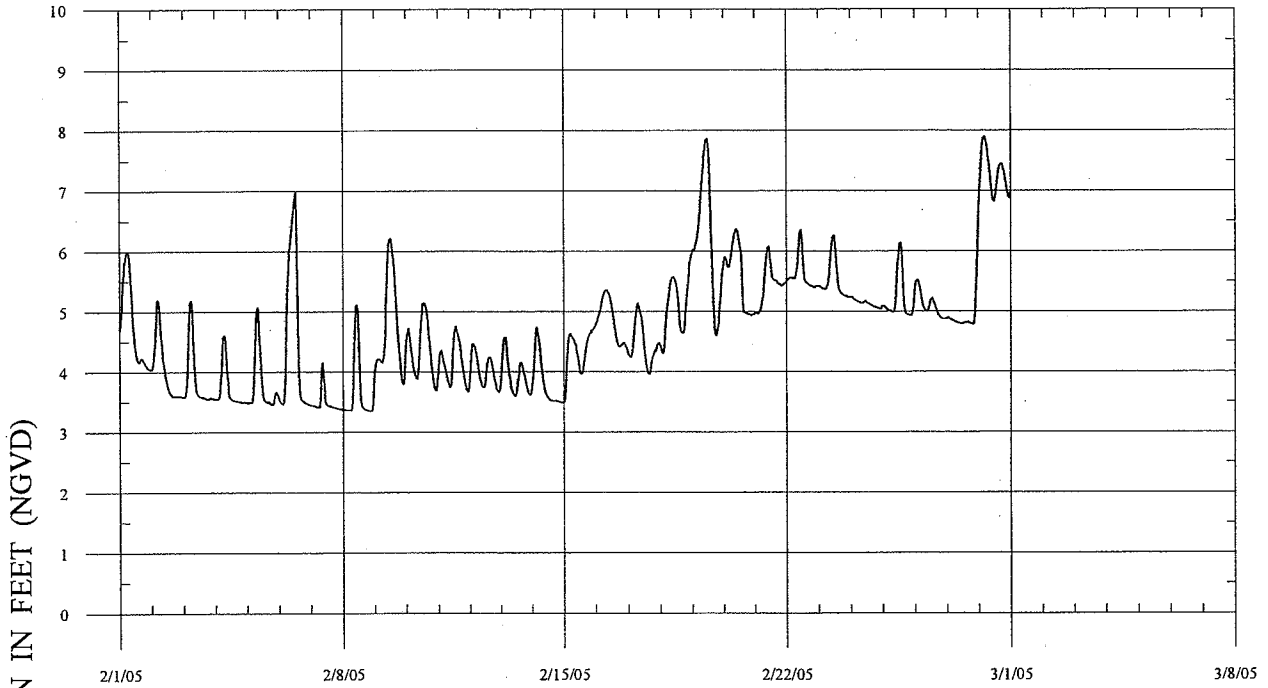


FIGURE G-9

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

FEBRUARY 2005



MARCH 2005

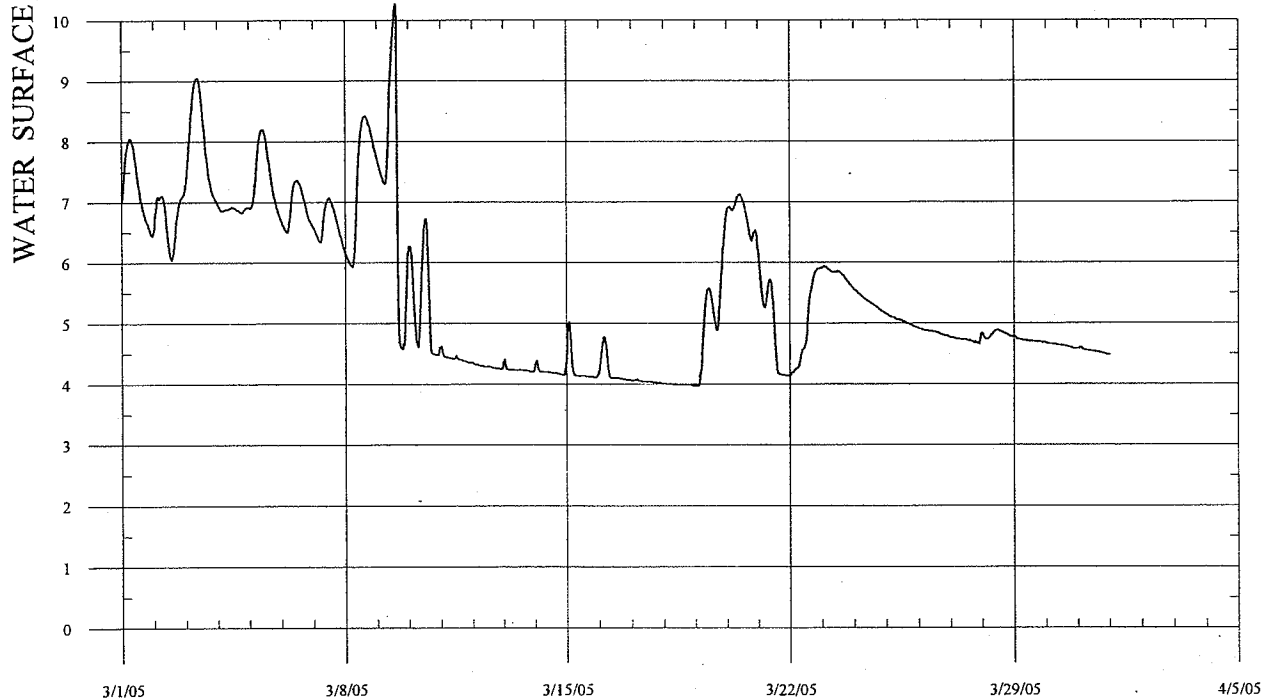
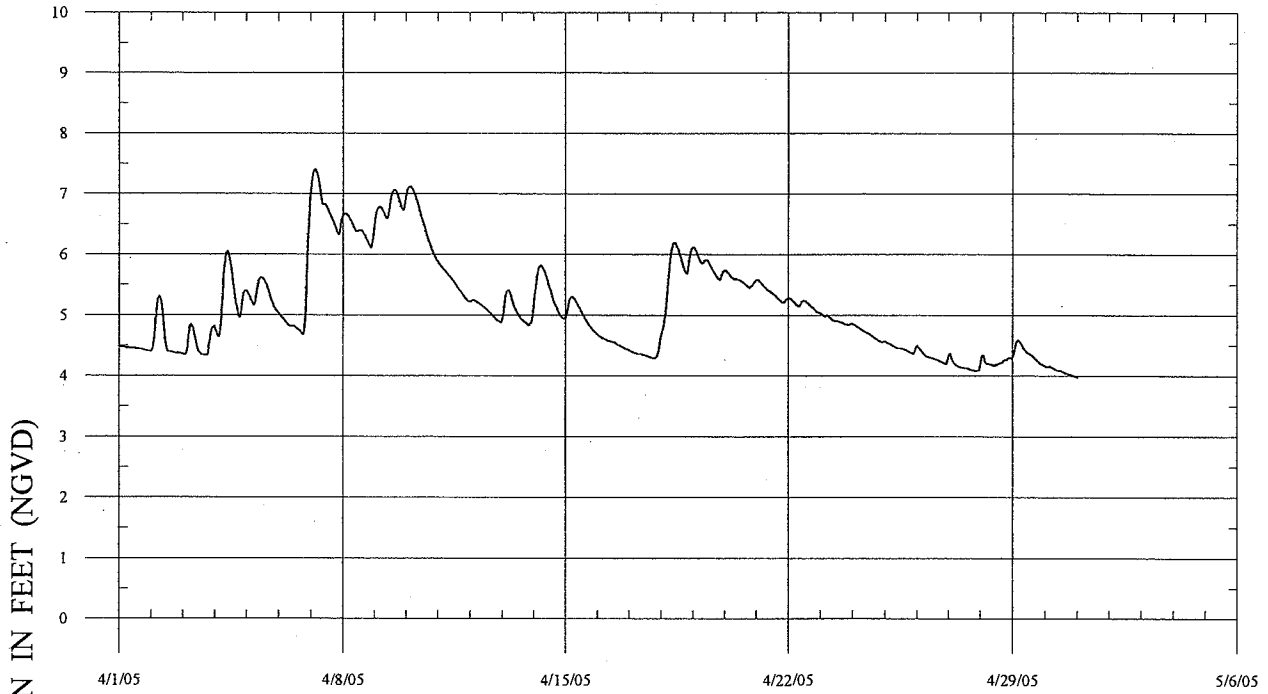


FIGURE G-10

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

APRIL 2005



MAY 2005

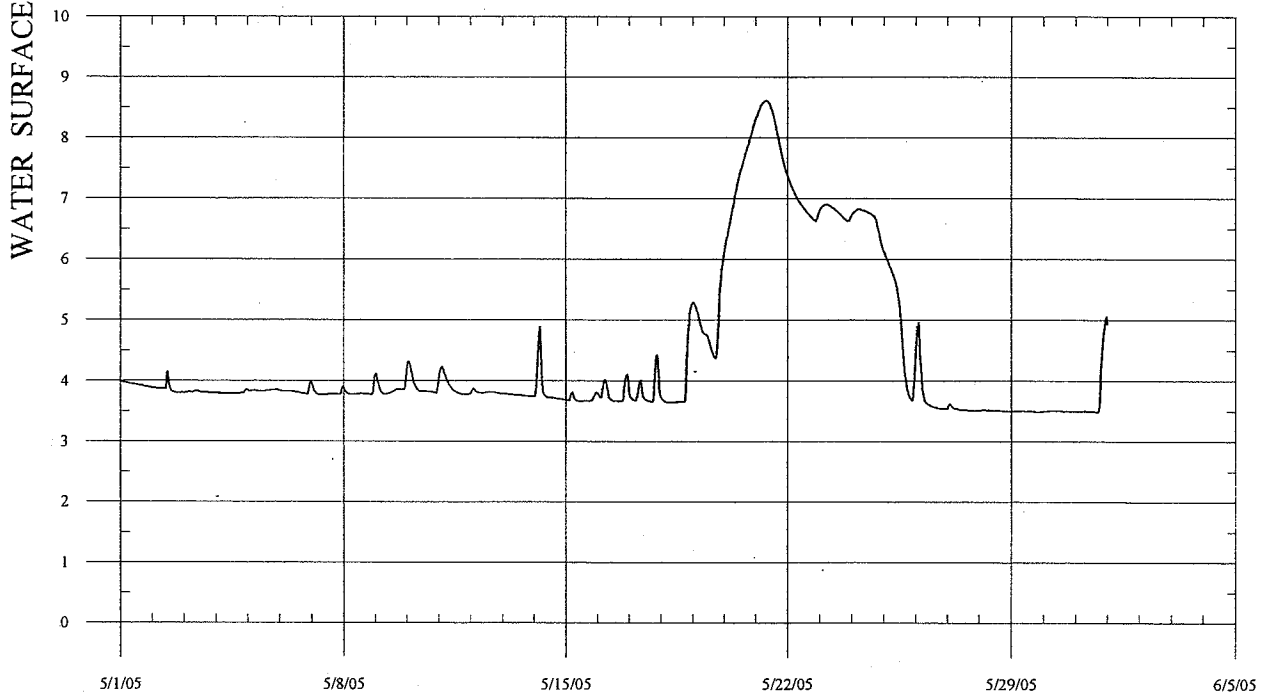
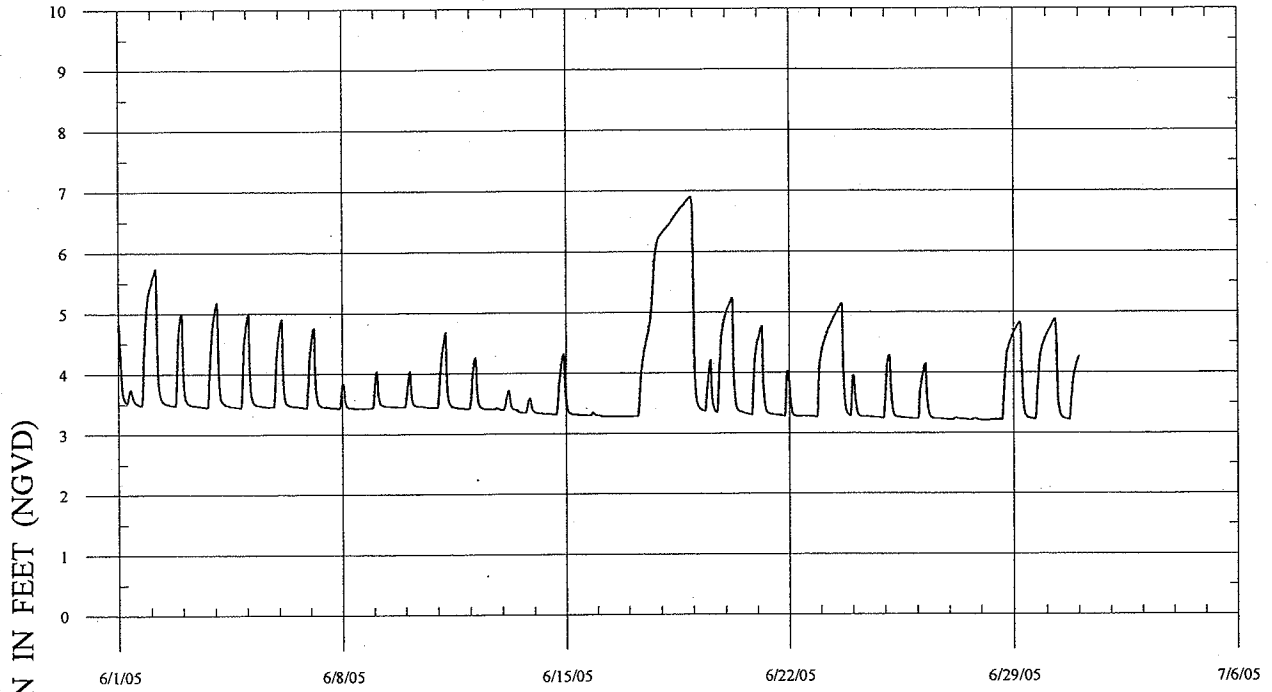


FIGURE G-11

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

JUNE 2005



JULY 2005

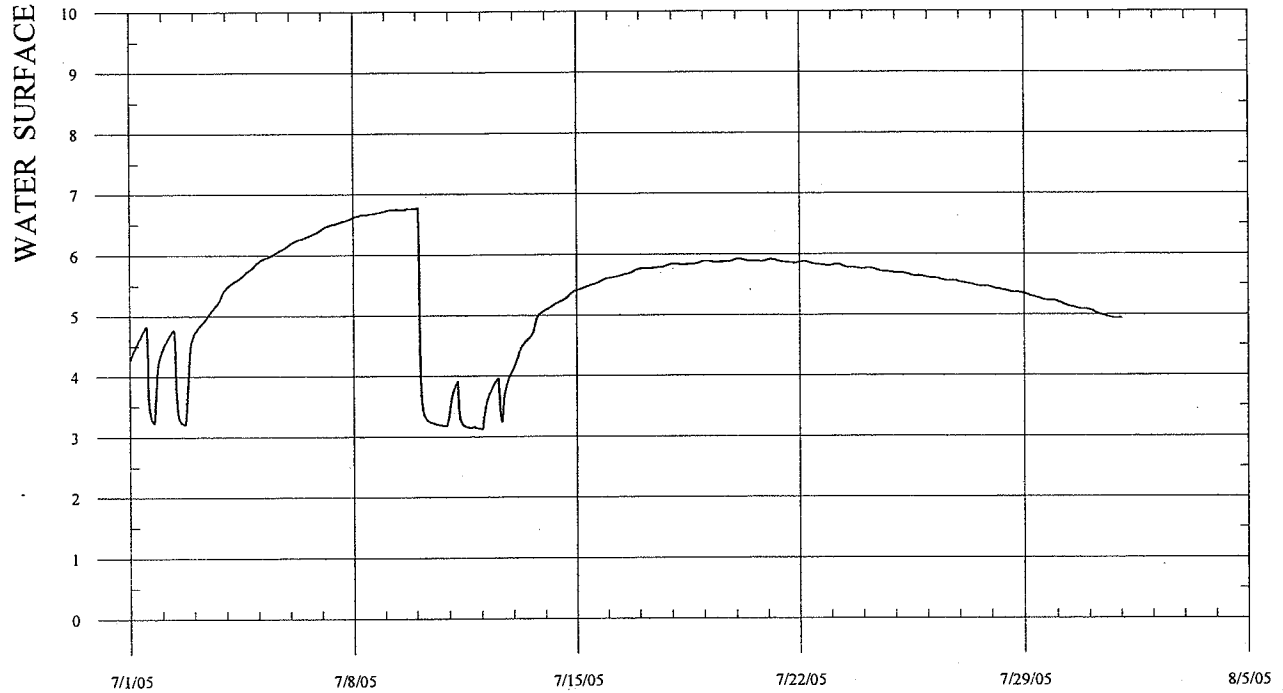
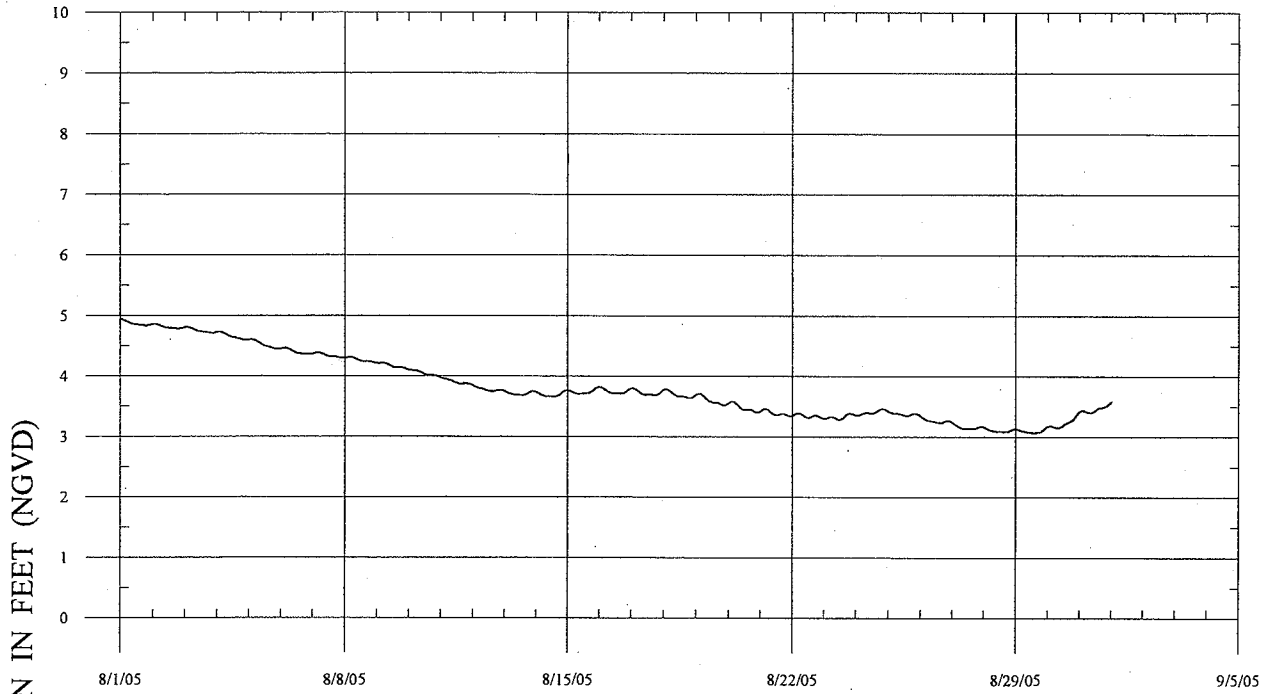


FIGURE G-12

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

AUGUST 2005



SEPTEMBER 2005

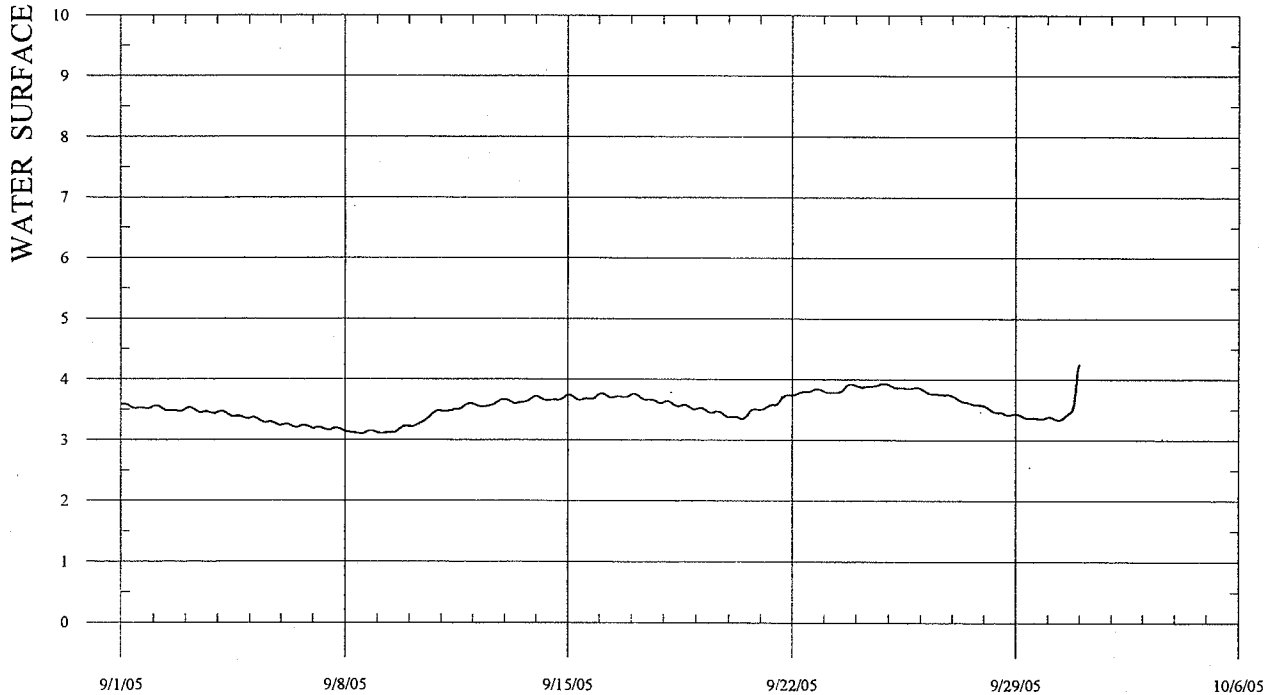
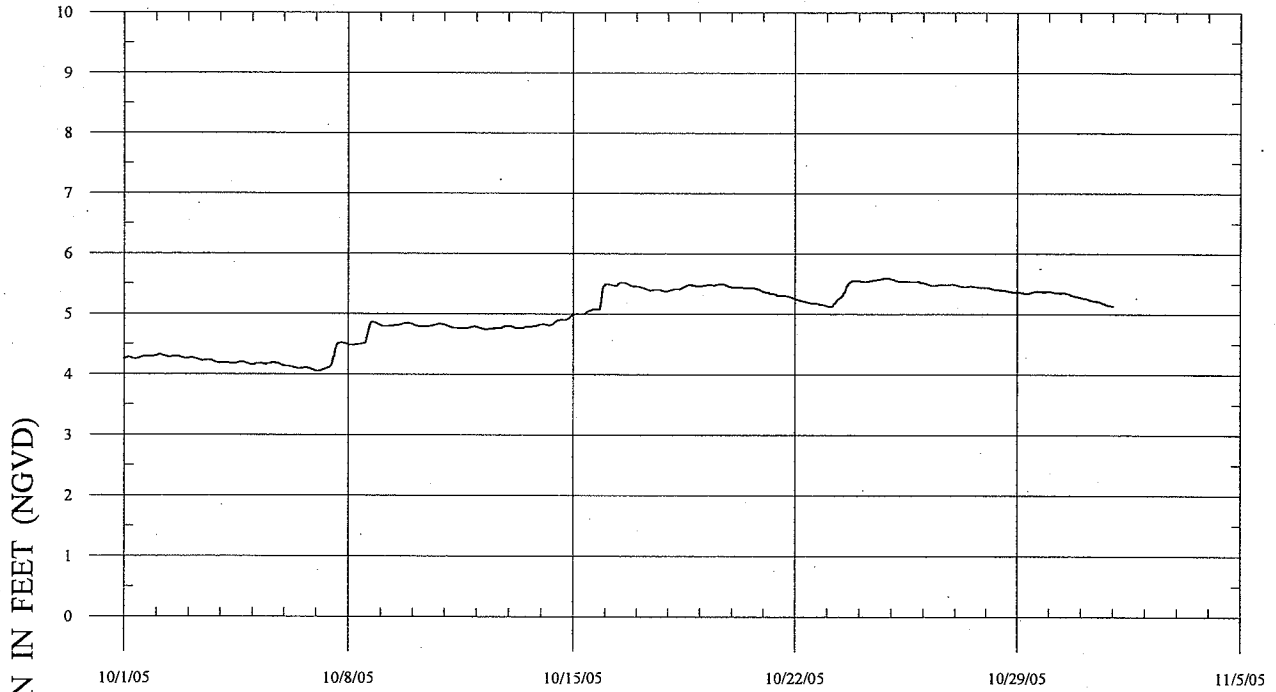


FIGURE G-13

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

OCTOBER 2005



NOVEMBER 2005

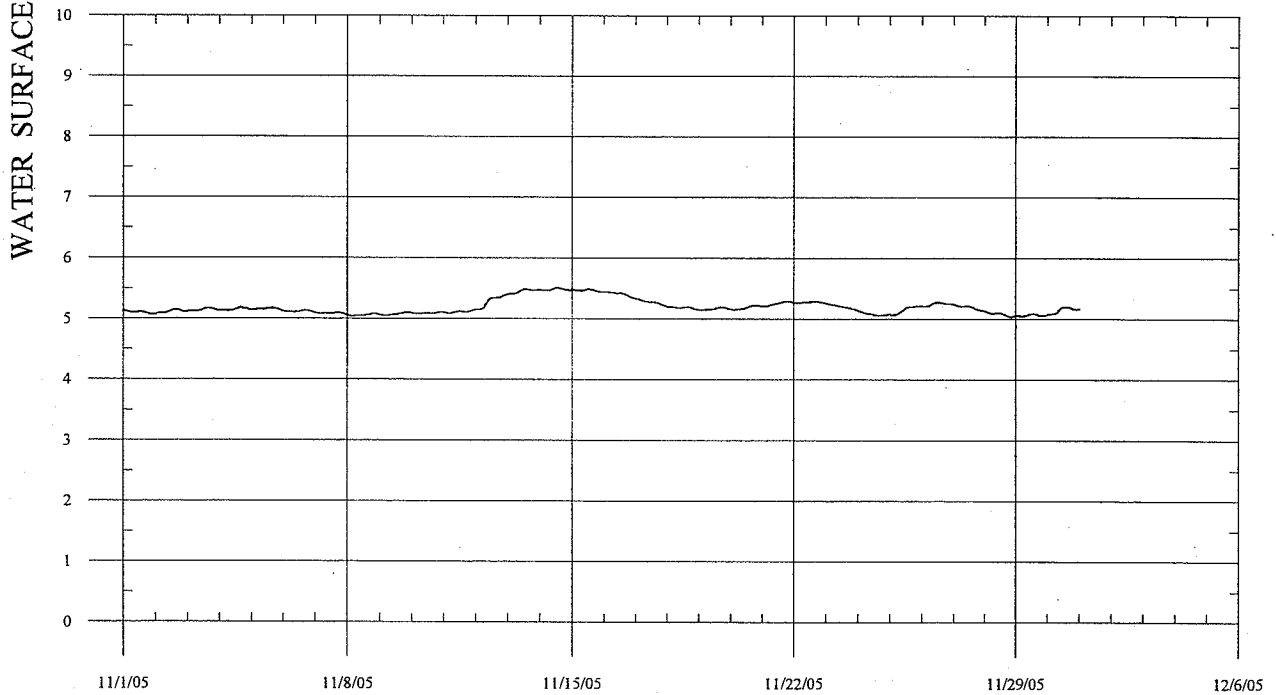
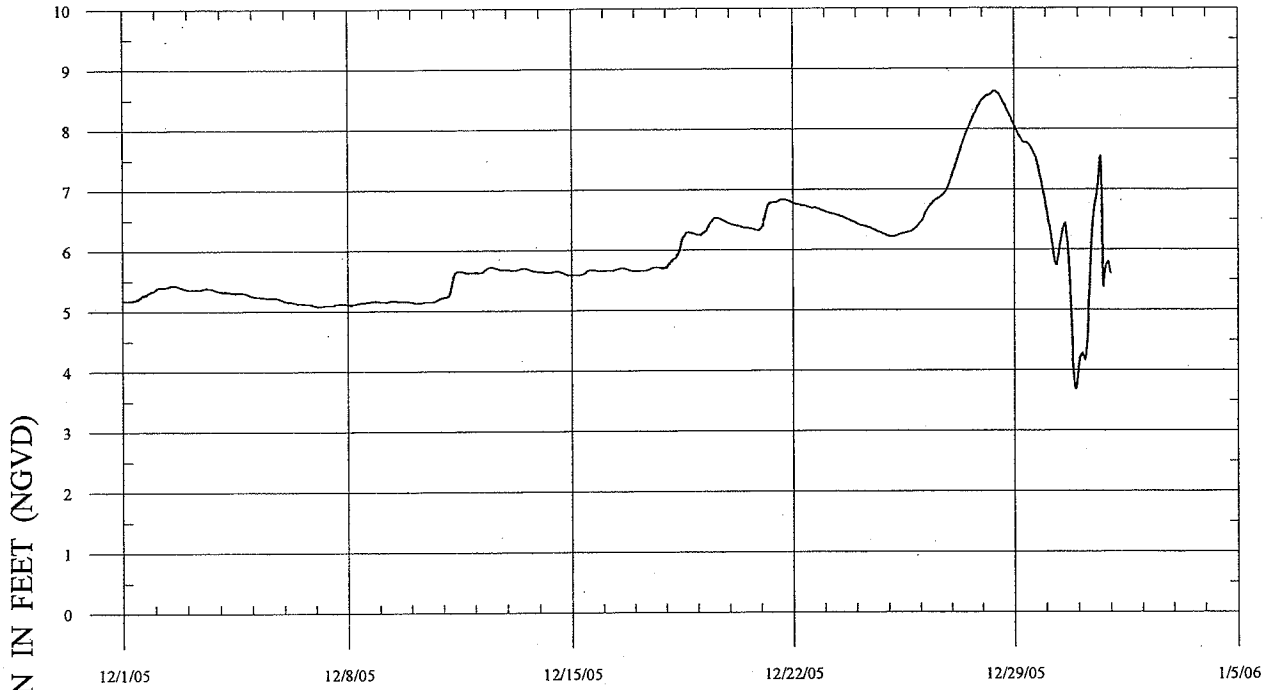


FIGURE G-14

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

DECEMBER 2005



JANUARY 2006

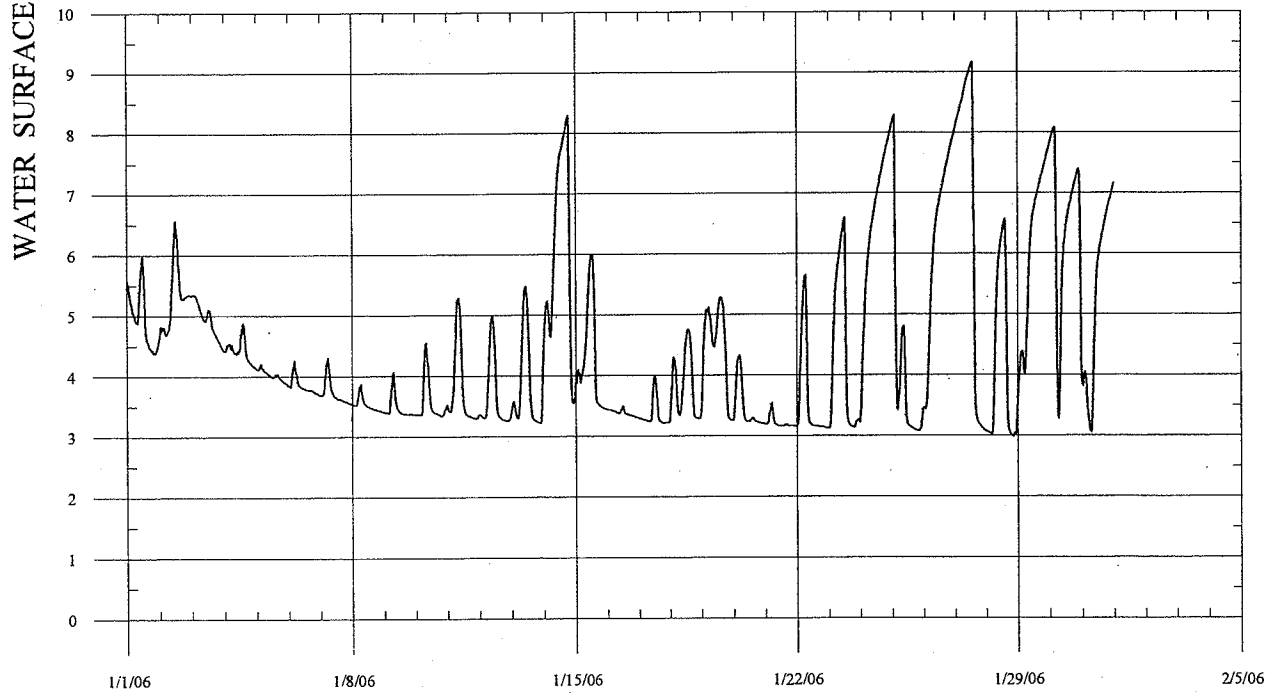
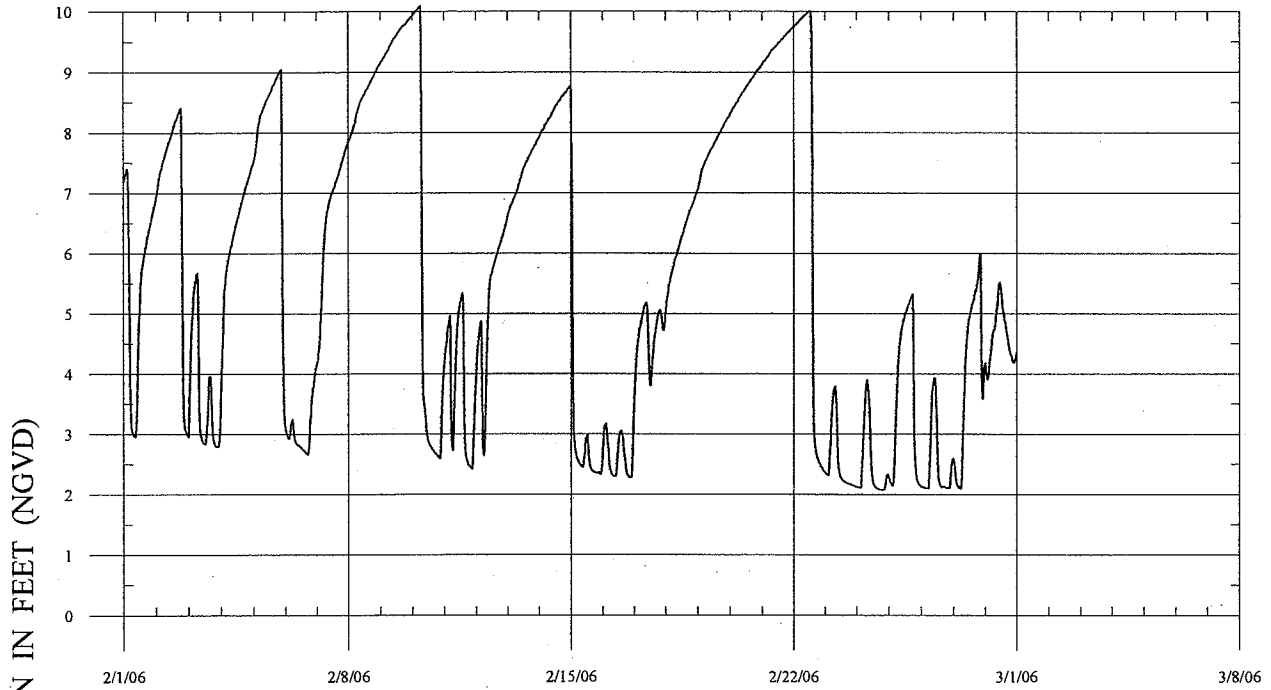


FIGURE G-15

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

FEBRUARY 2006



MARCH 2006

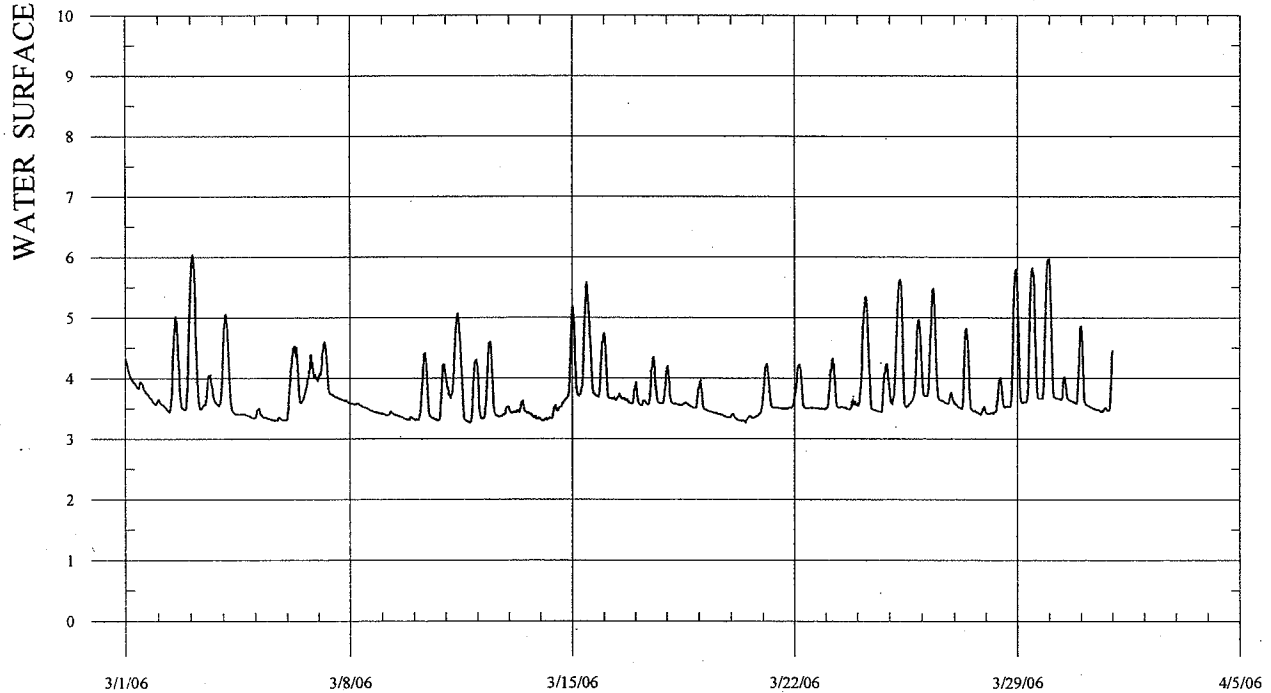
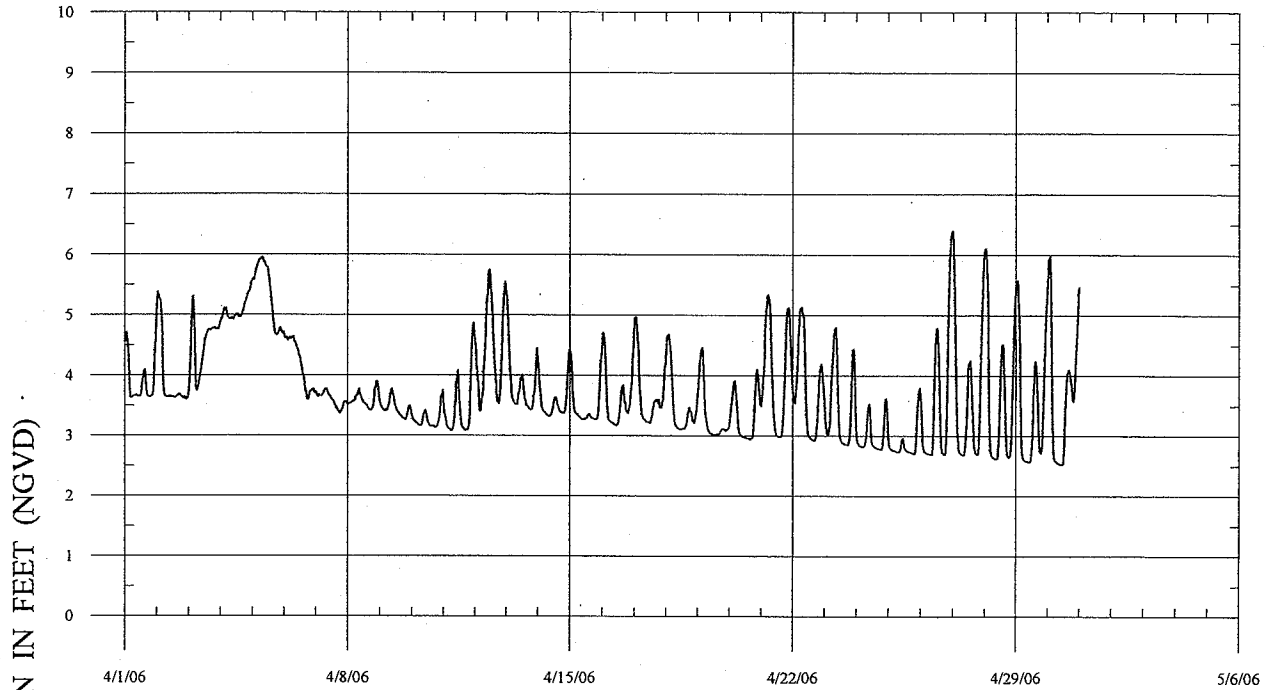


FIGURE G-16

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

APRIL 2006



MAY 2006

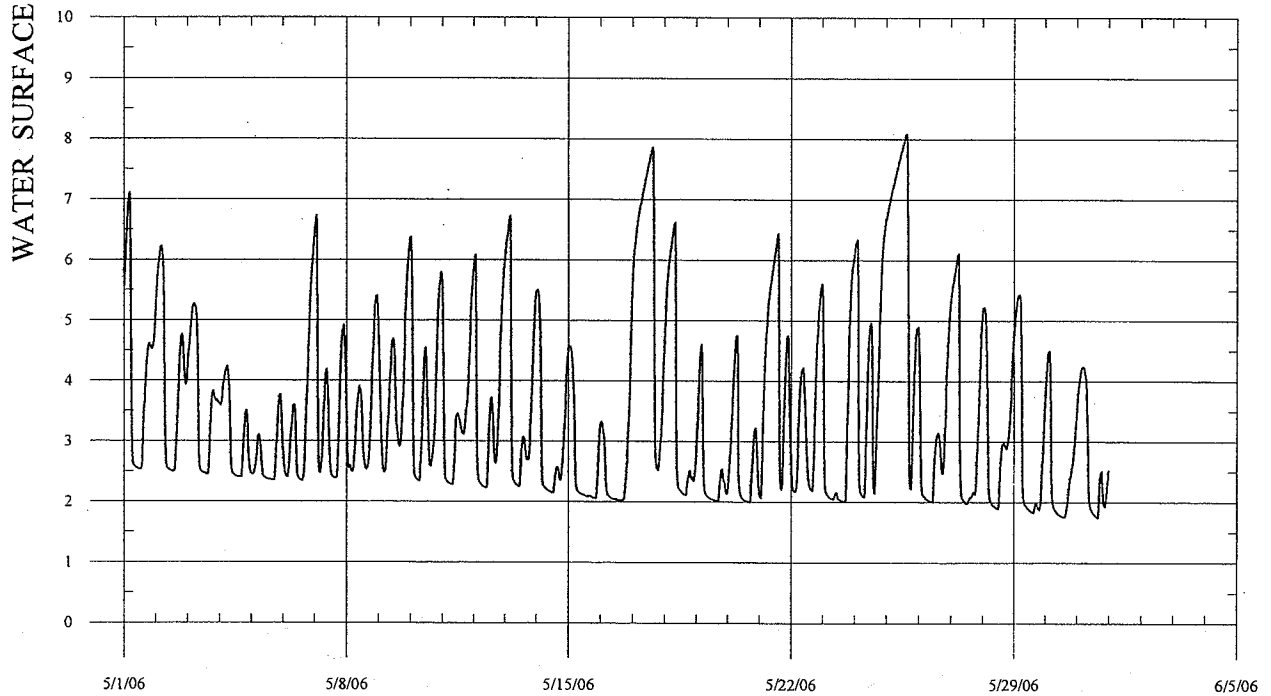
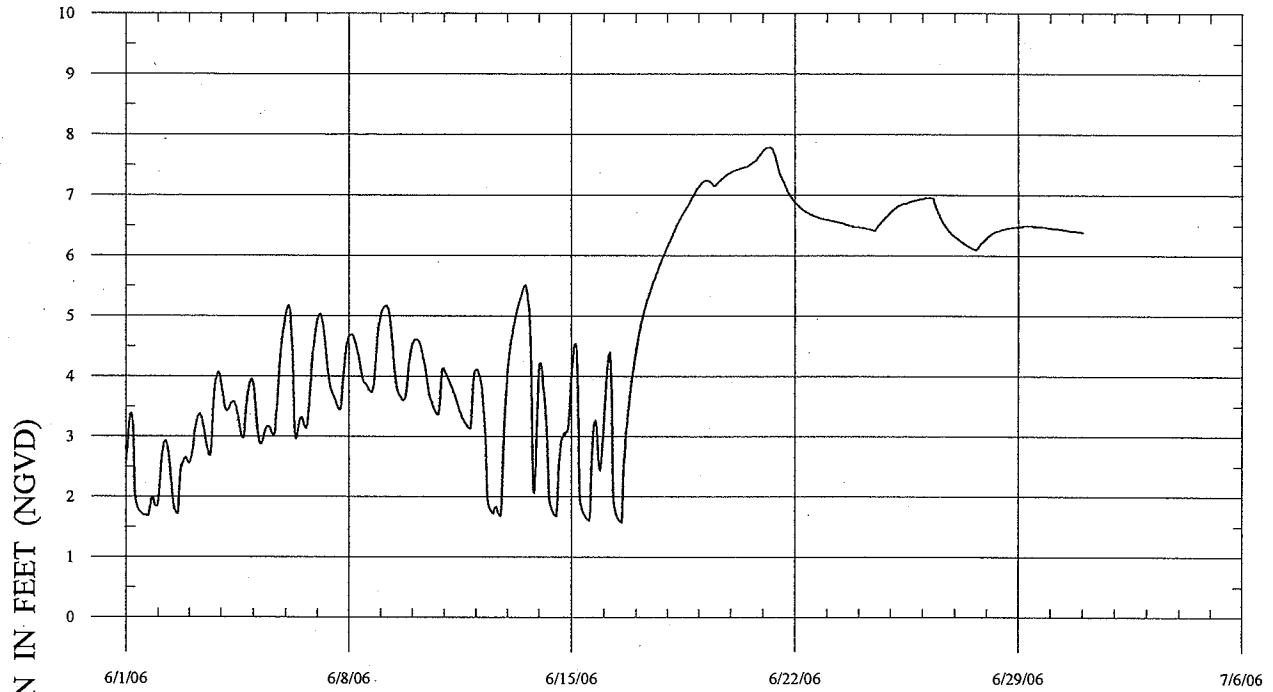


FIGURE G-17

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

JUNE 2006



JULY 2006

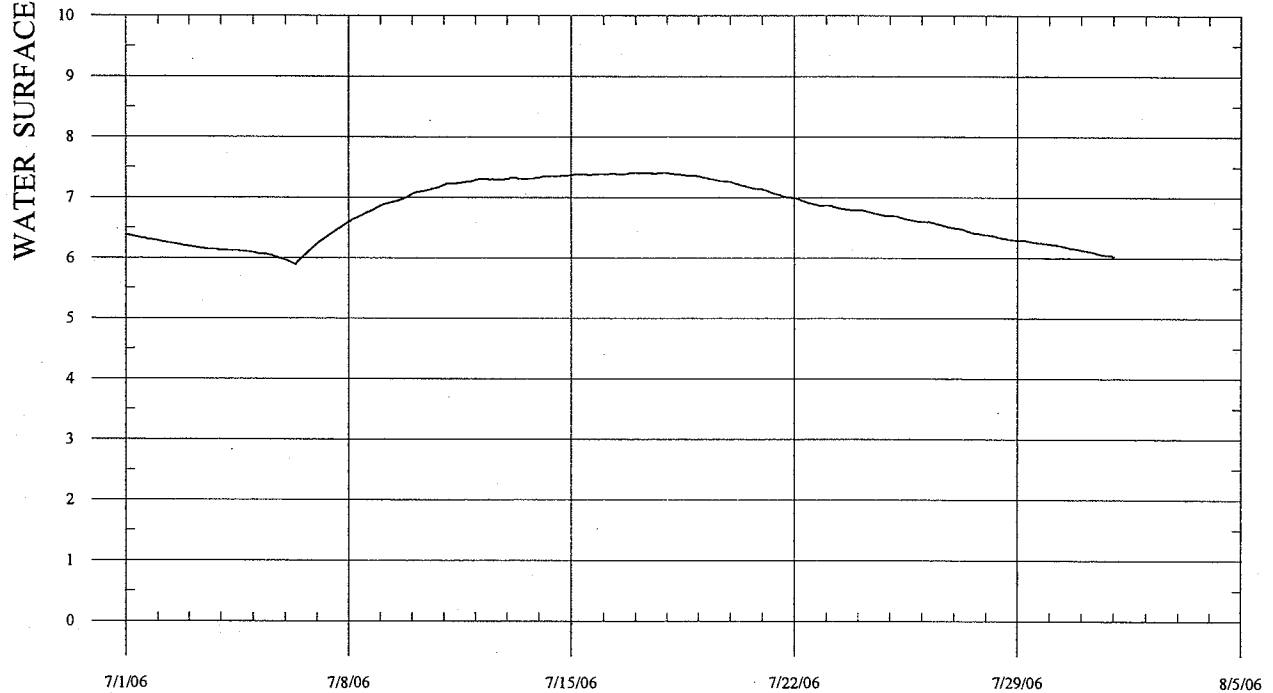
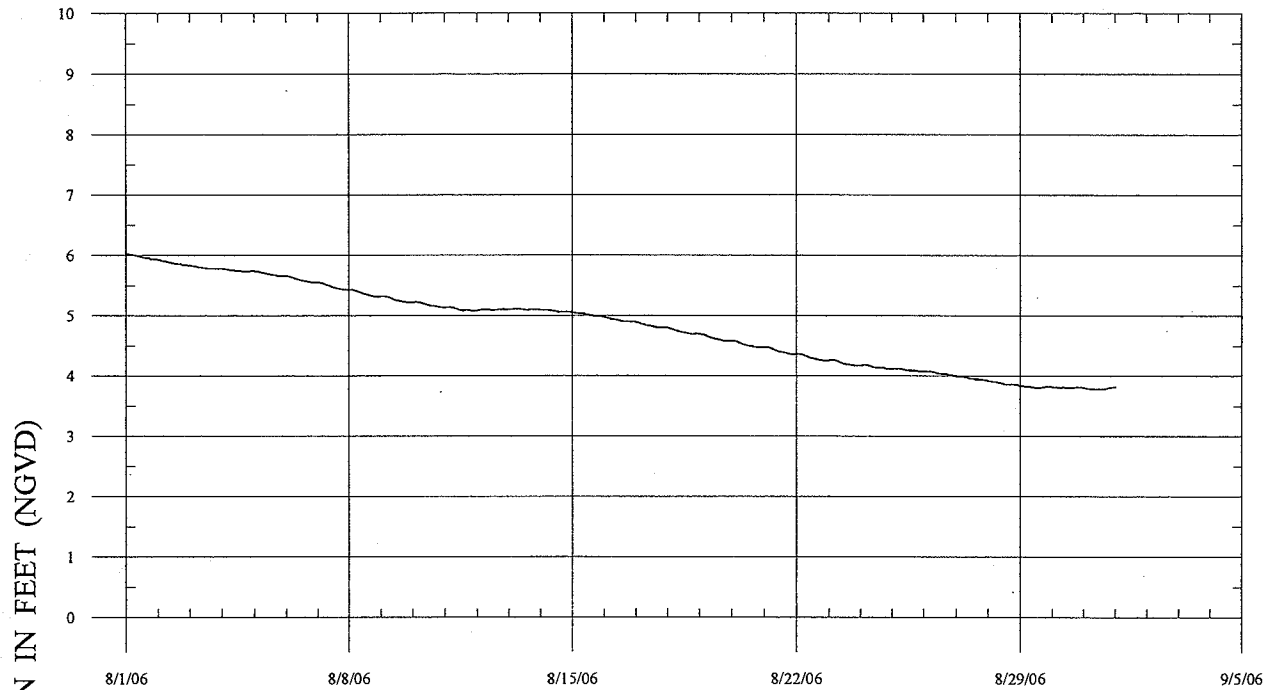


FIGURE G-18

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

AUGUST 2006



SEPTEMBER 2006

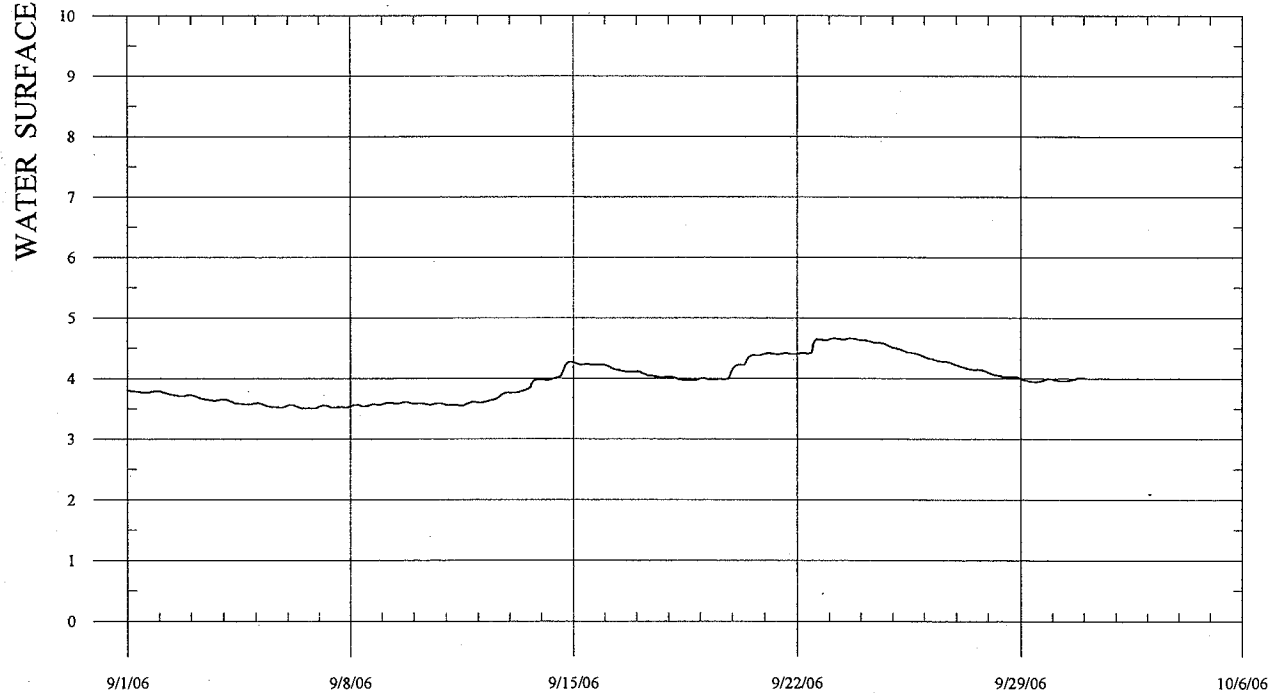
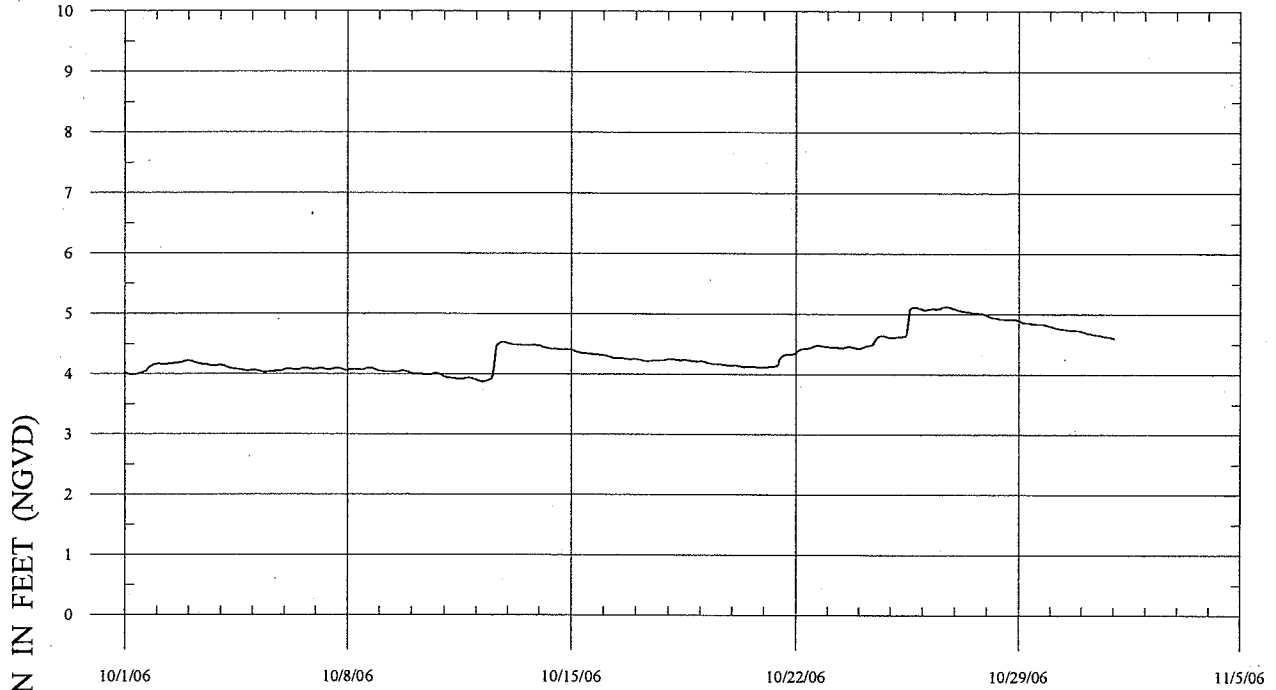


FIGURE G-19

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

OCTOBER 2006



NOVEMBER 2006

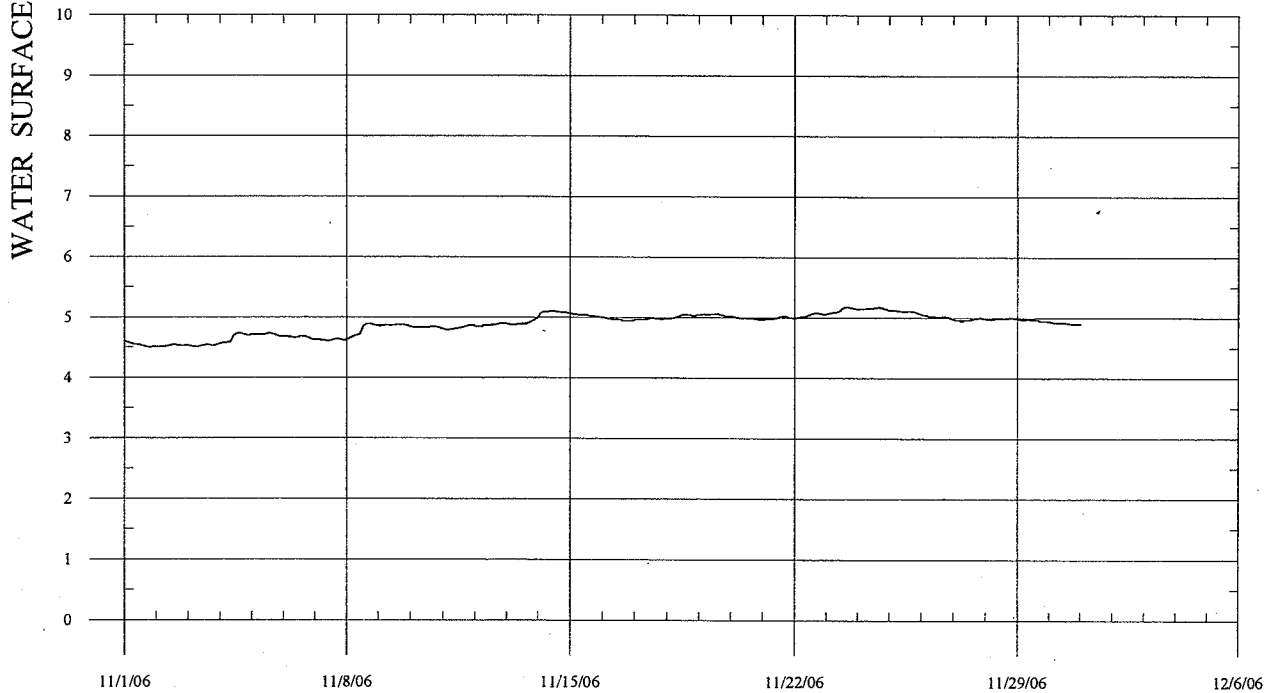
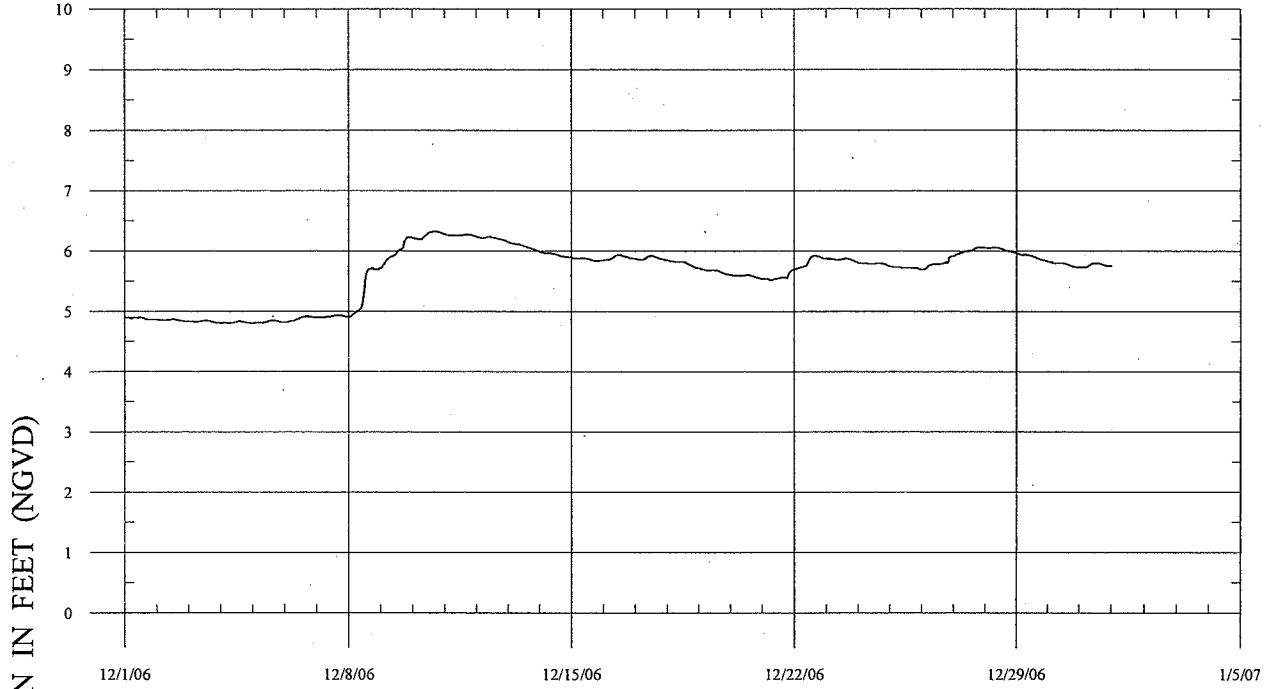


FIGURE G-20

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

DECEMBER 2006



JANUARY 2007

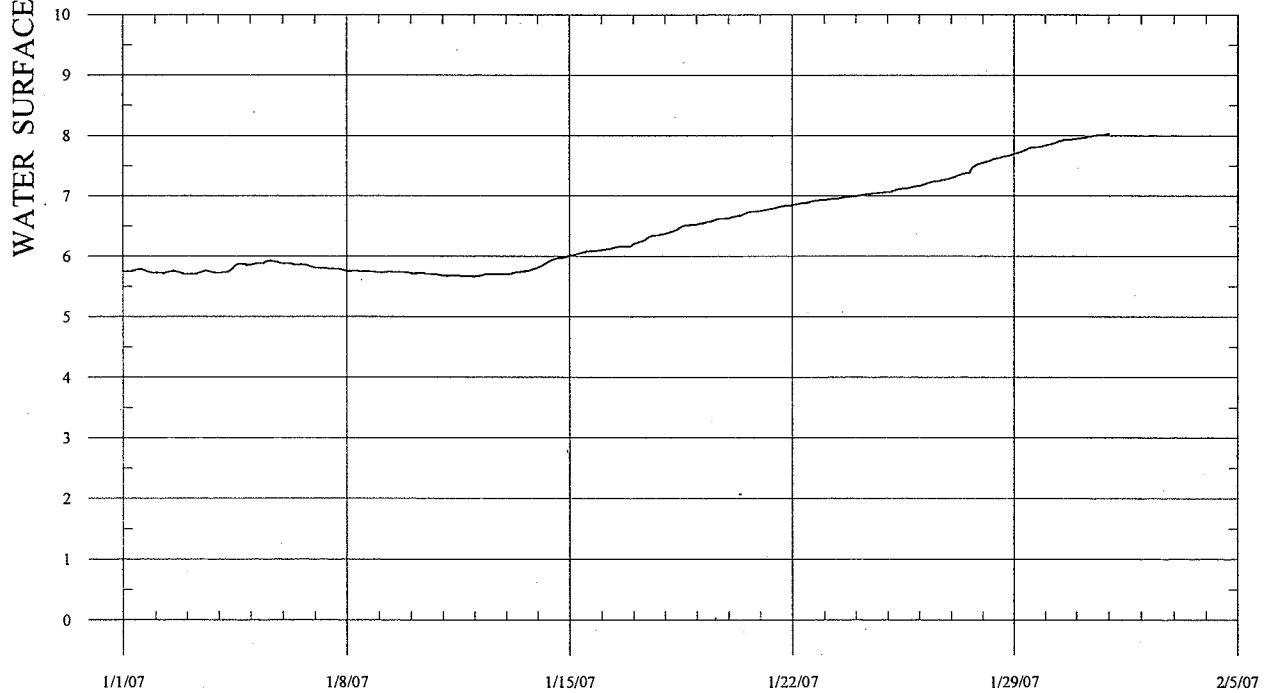
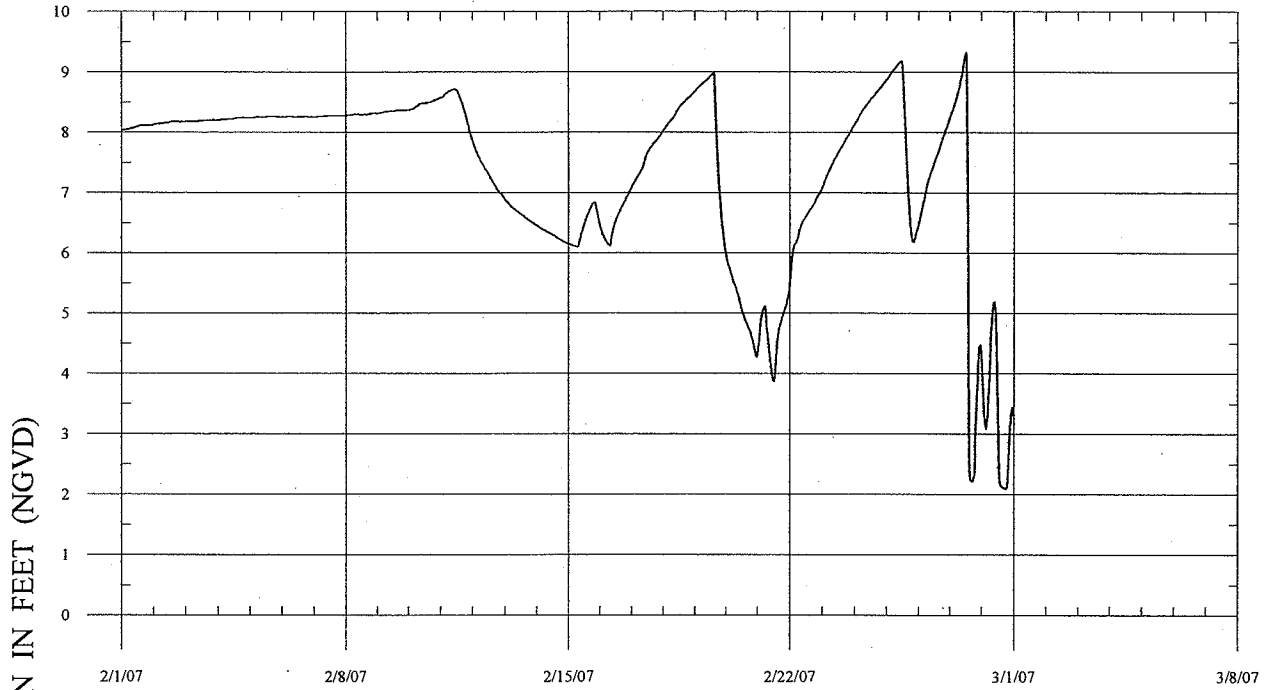


FIGURE G-21

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

FEBRUARY 2007



MARCH 2007

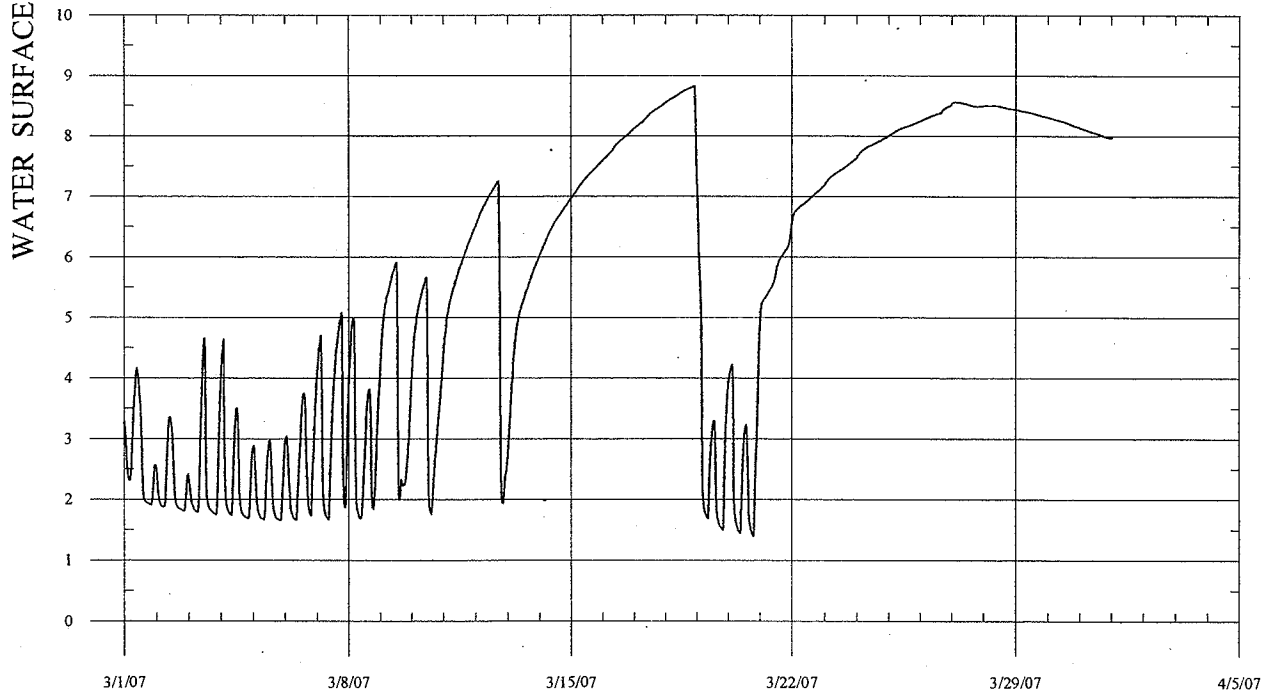
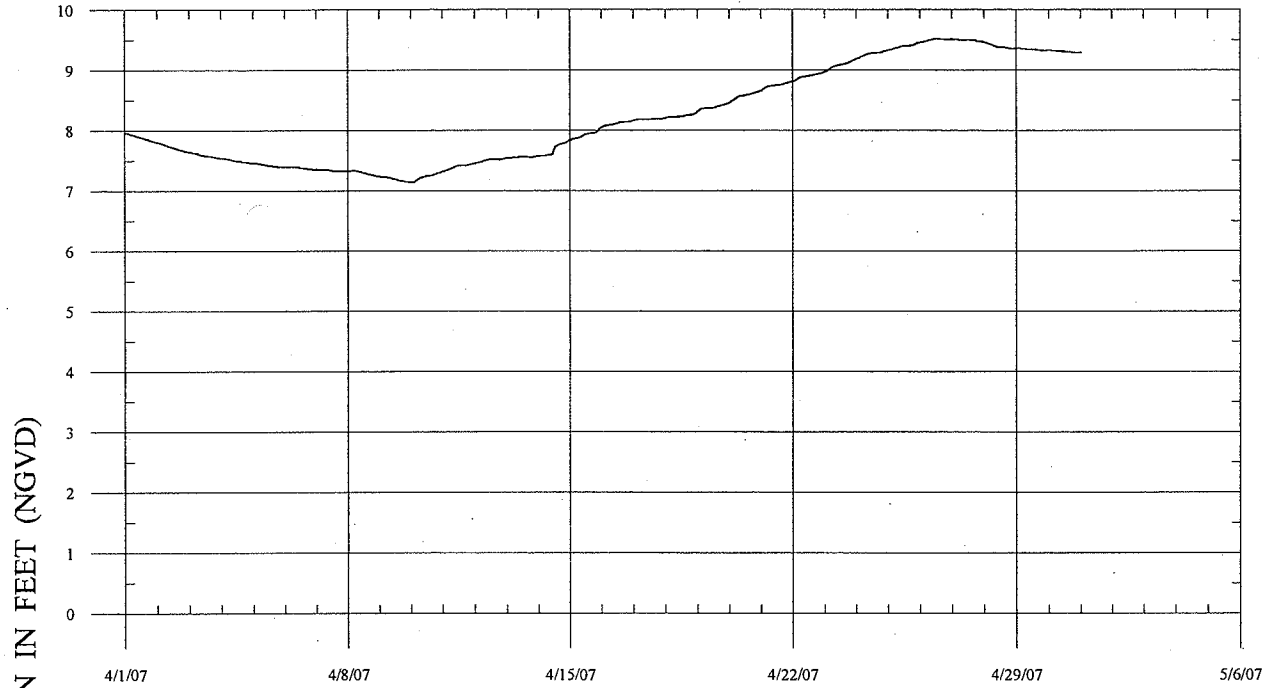


FIGURE G-22

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

APRIL 2007



MAY 2007

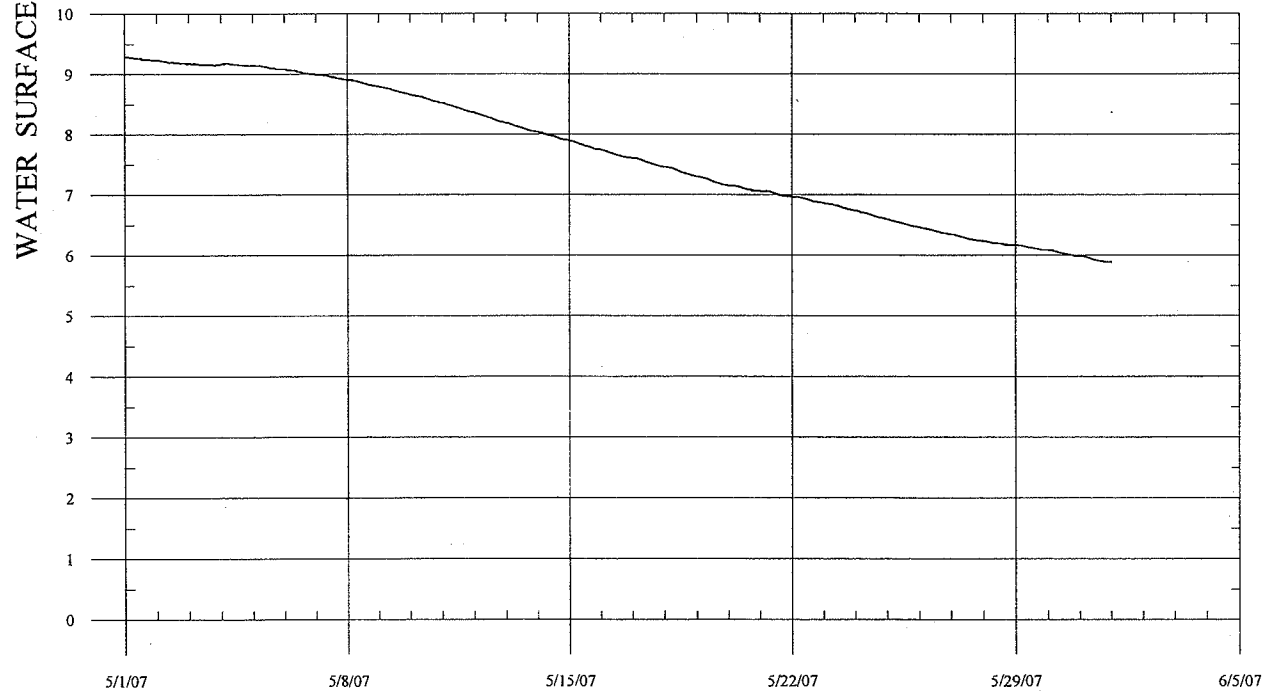
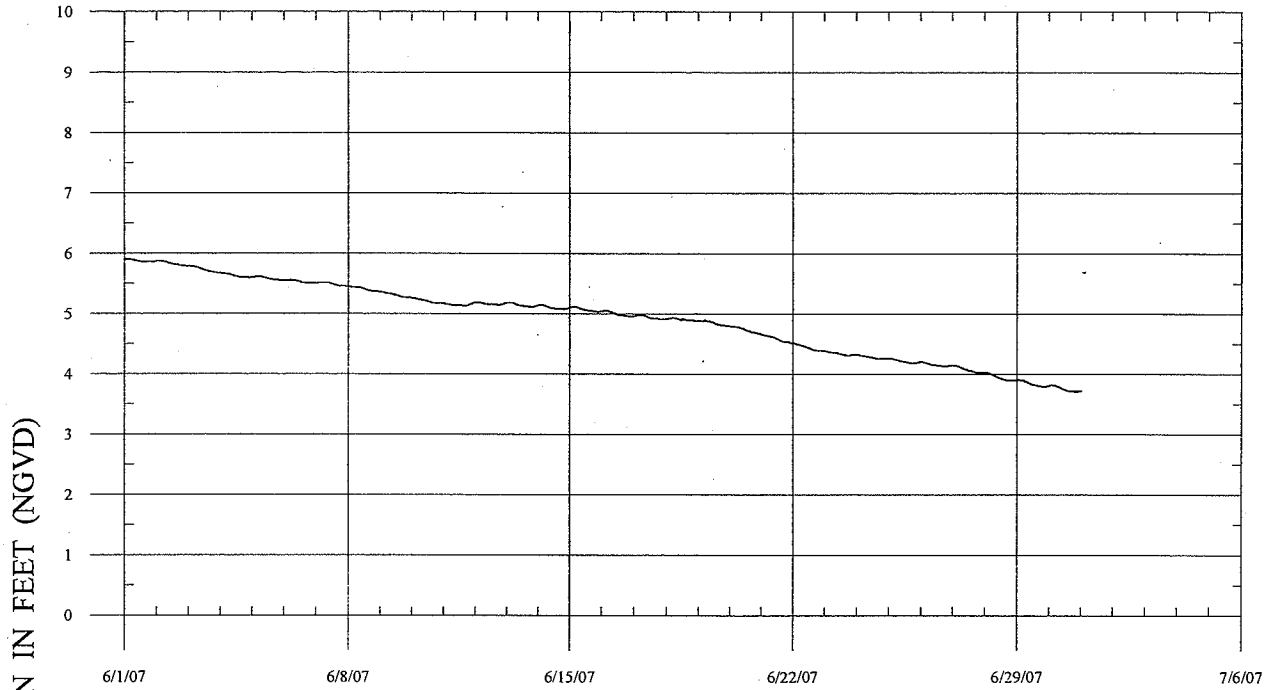


FIGURE G-23

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

JUNE 2007



JULY 2007

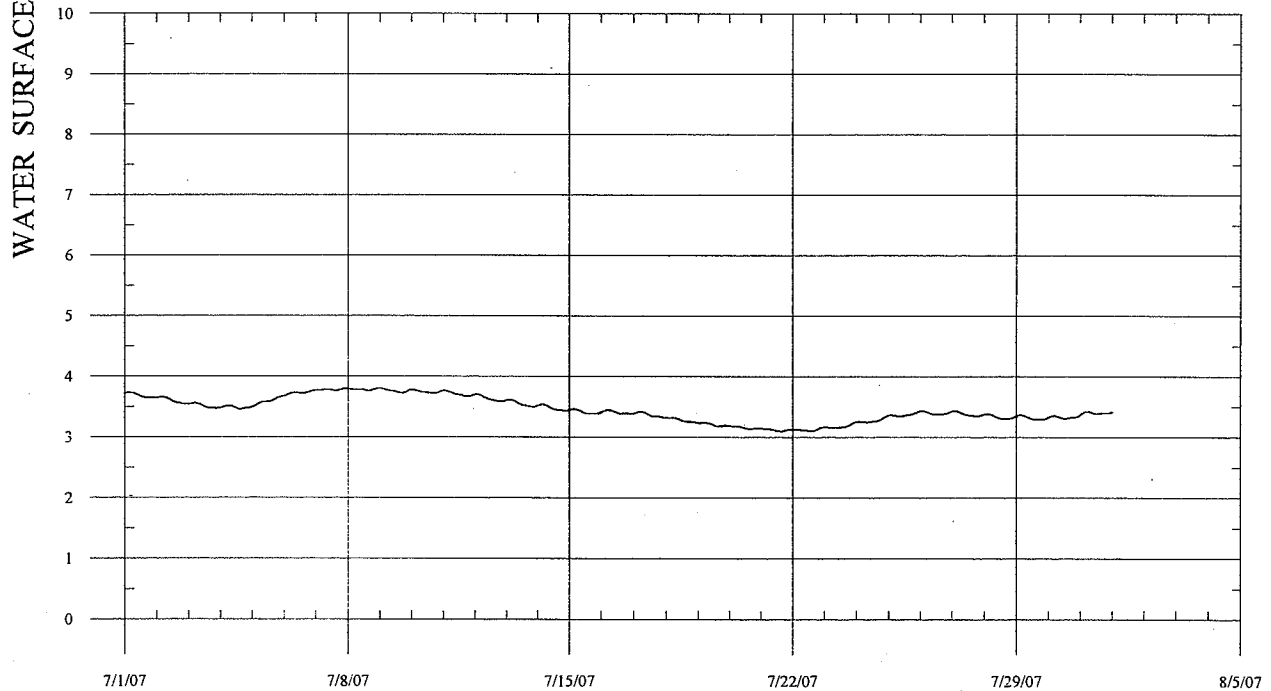
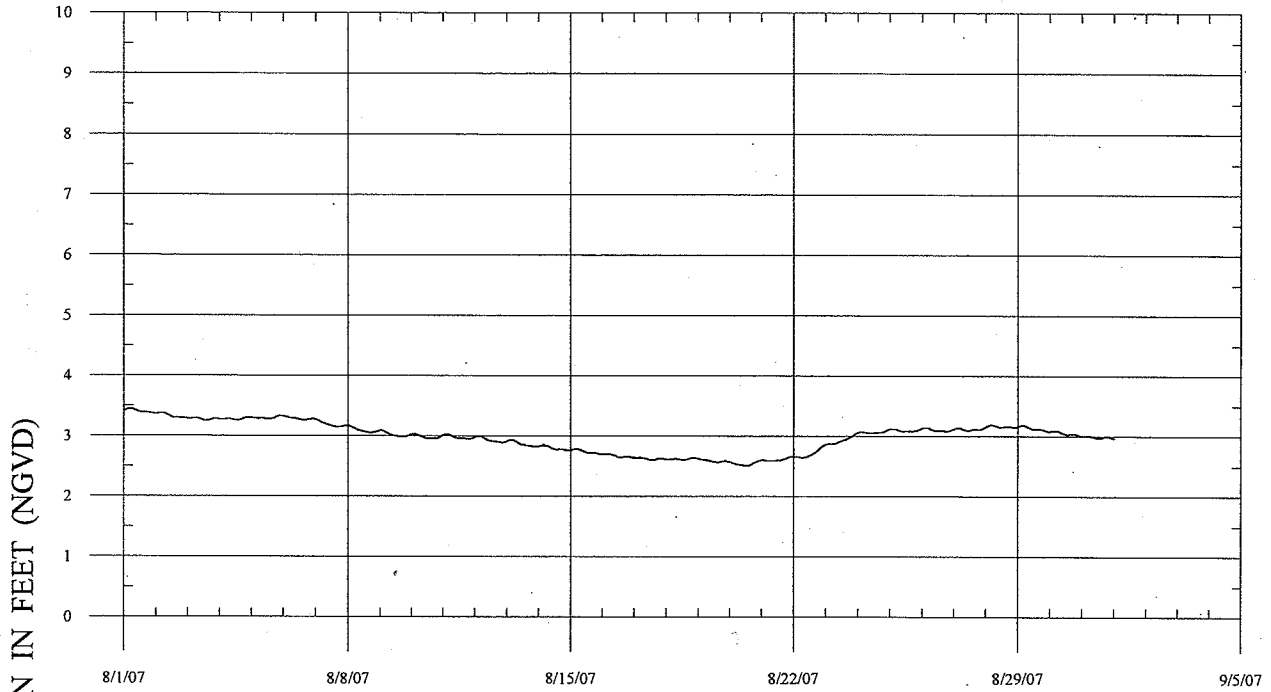


FIGURE G-24

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

AUGUST 2007



SEPTEMBER 2007

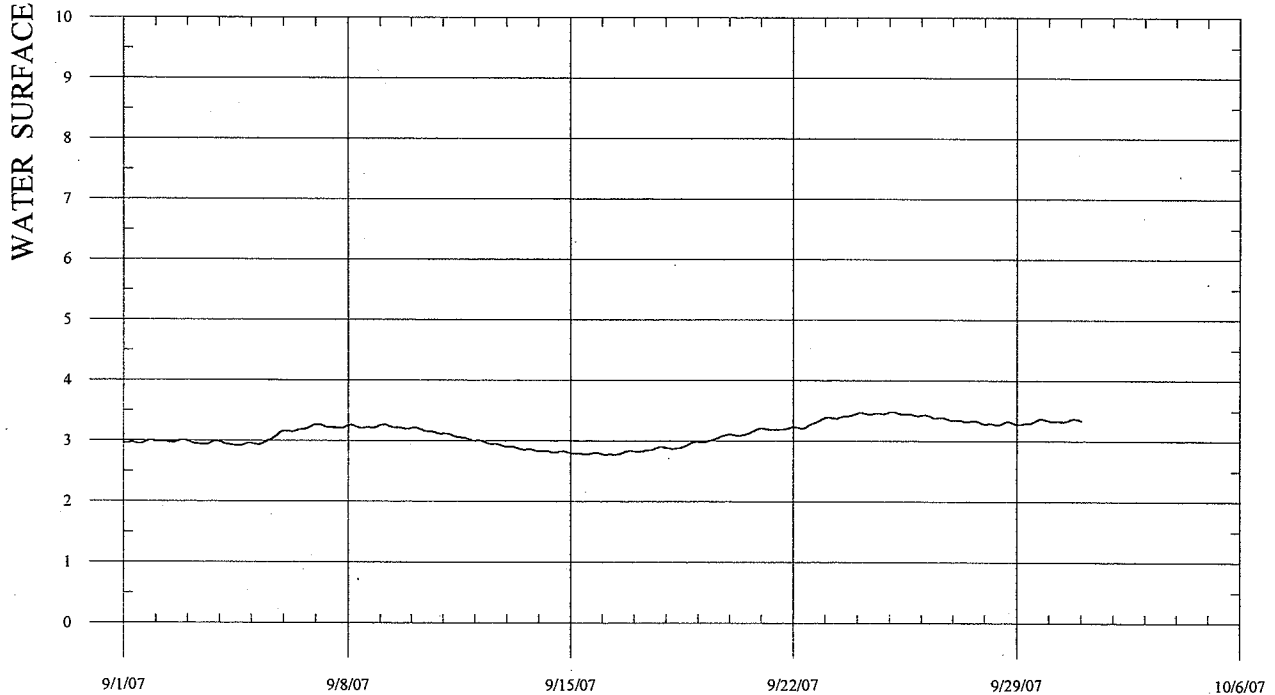
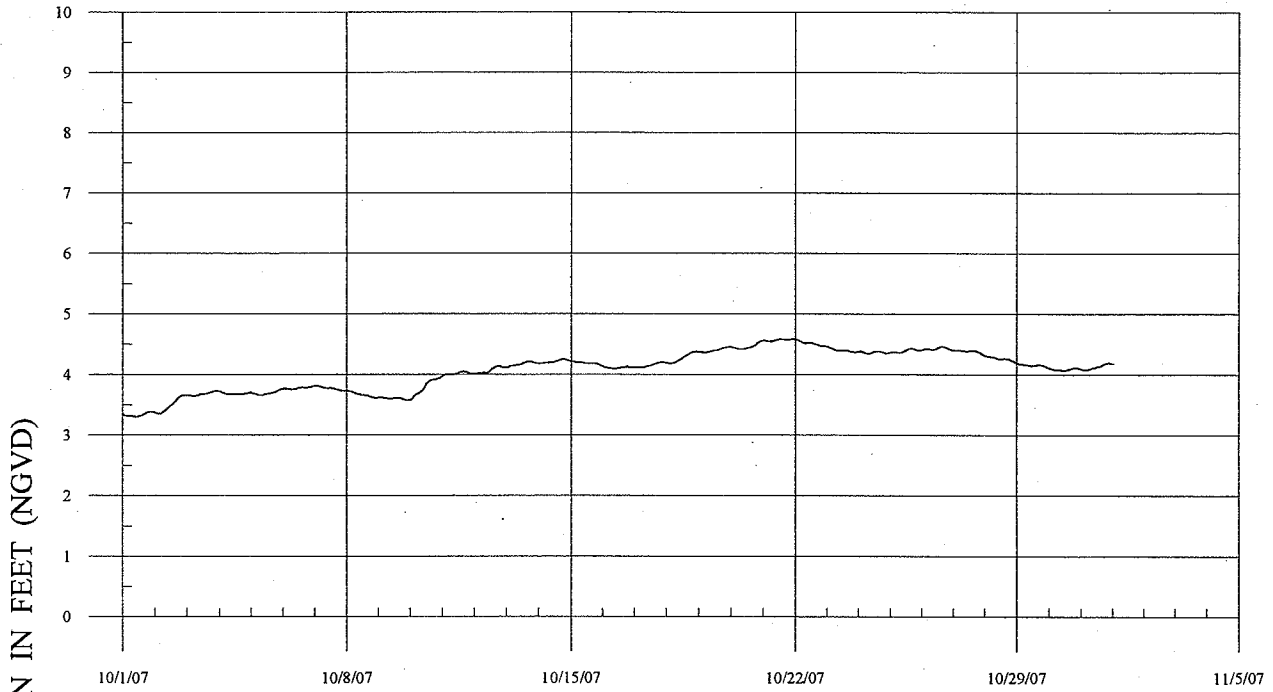


FIGURE G-25

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

OCTOBER 2007



NOVEMBER 2007

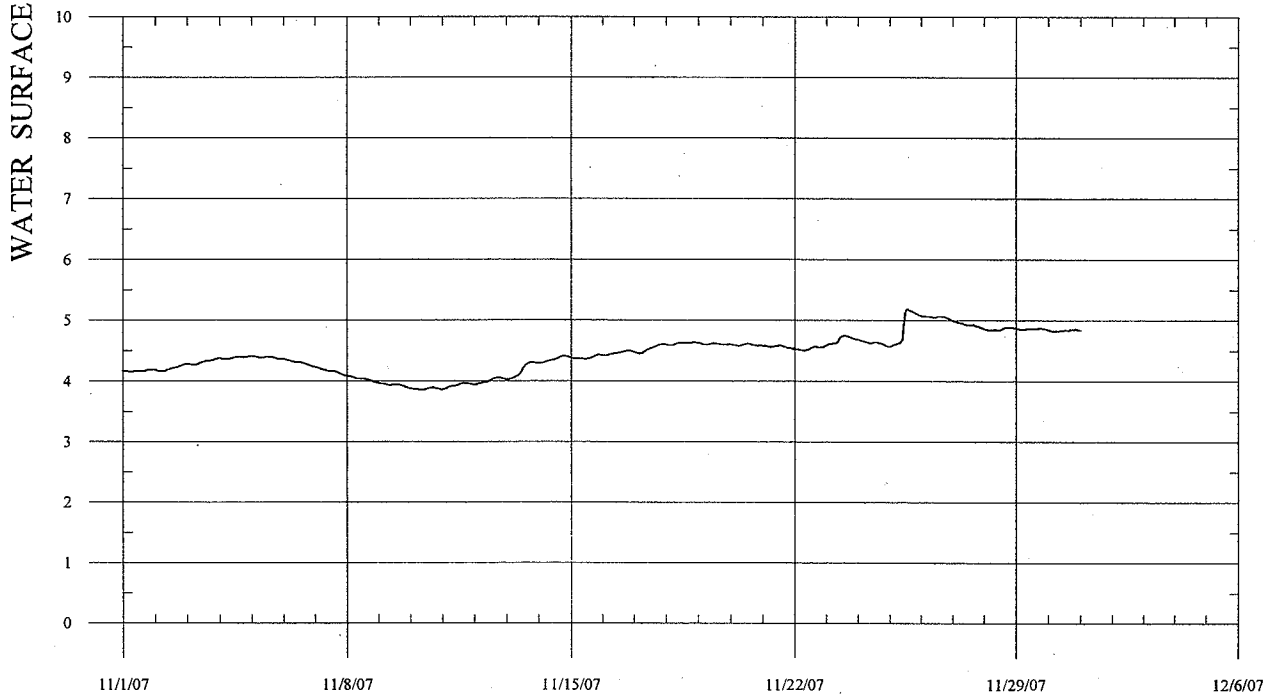
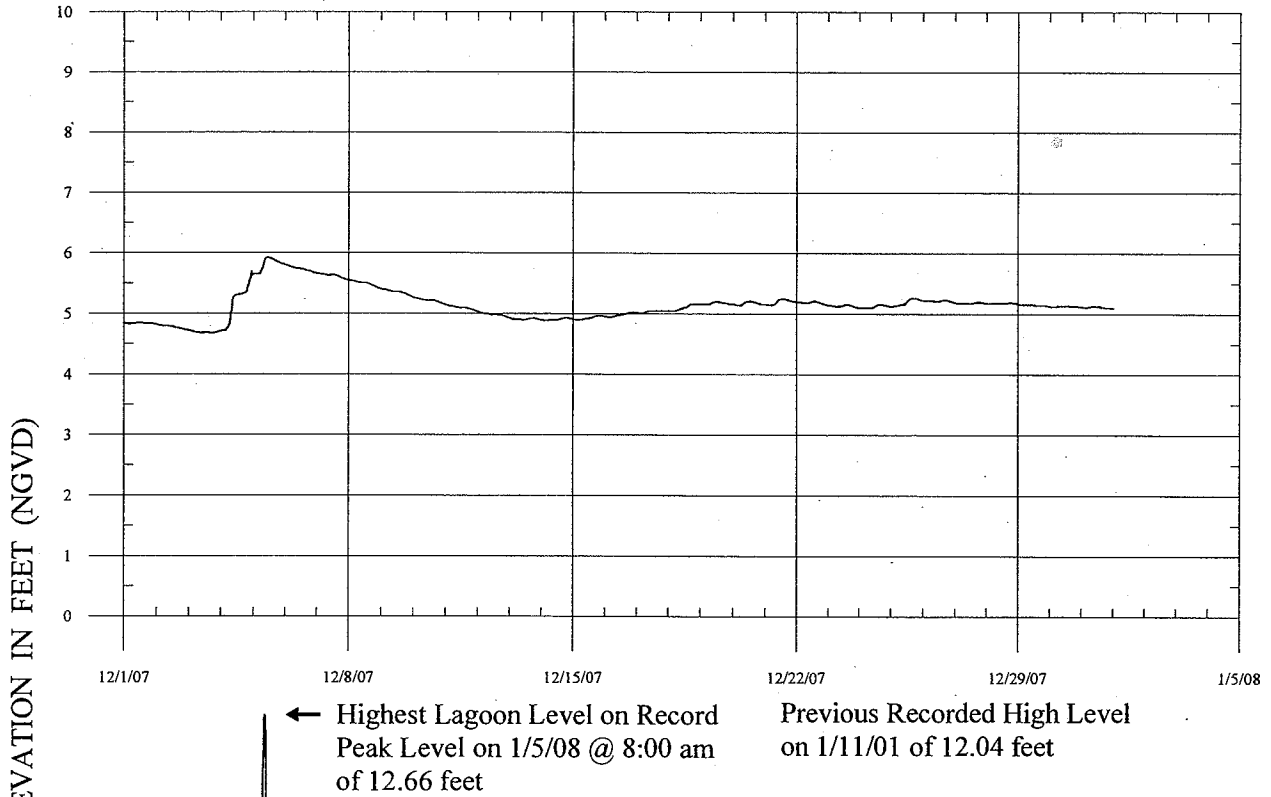


FIGURE G-26

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

DECEMBER 2007



JANUARY 2008

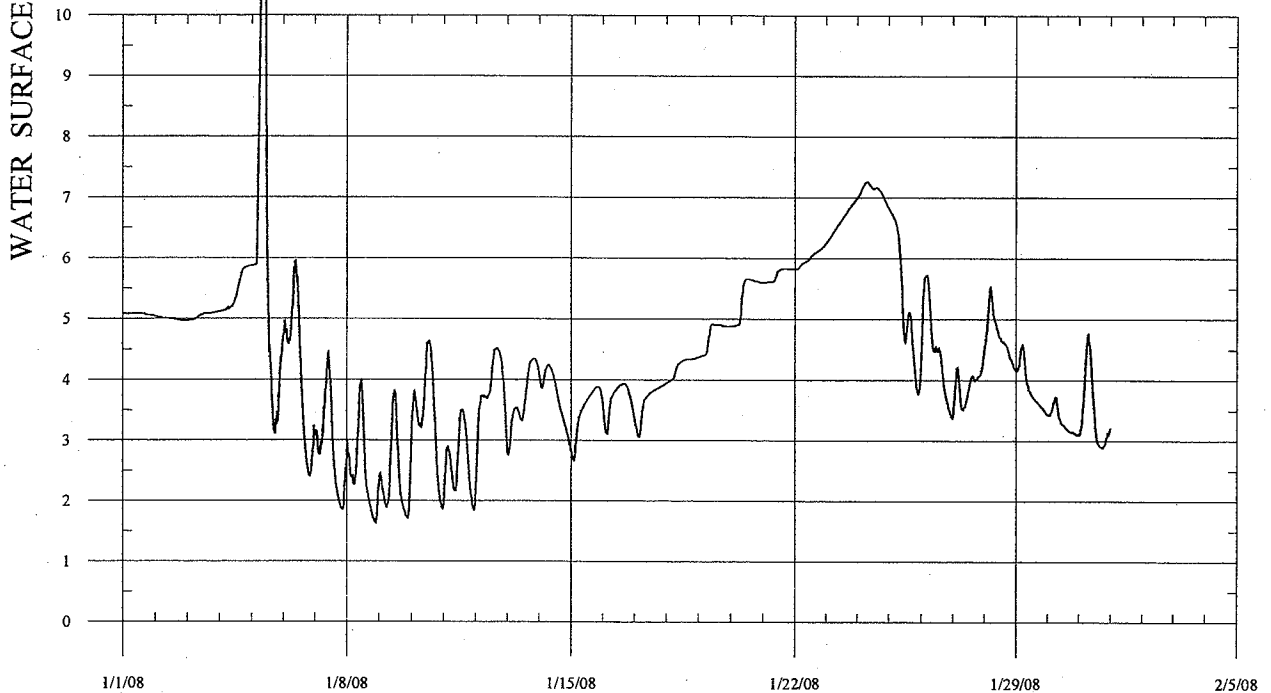
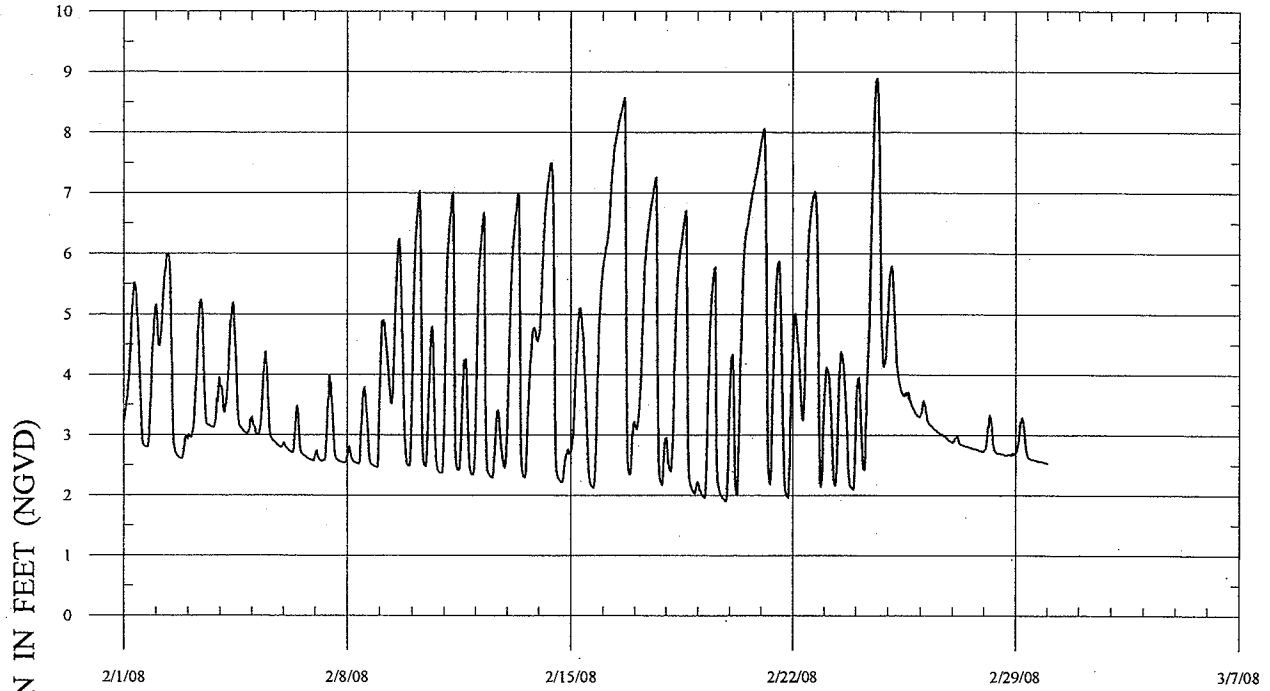


FIGURE G-27

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

FEBRUARY 2008



MARCH 2008

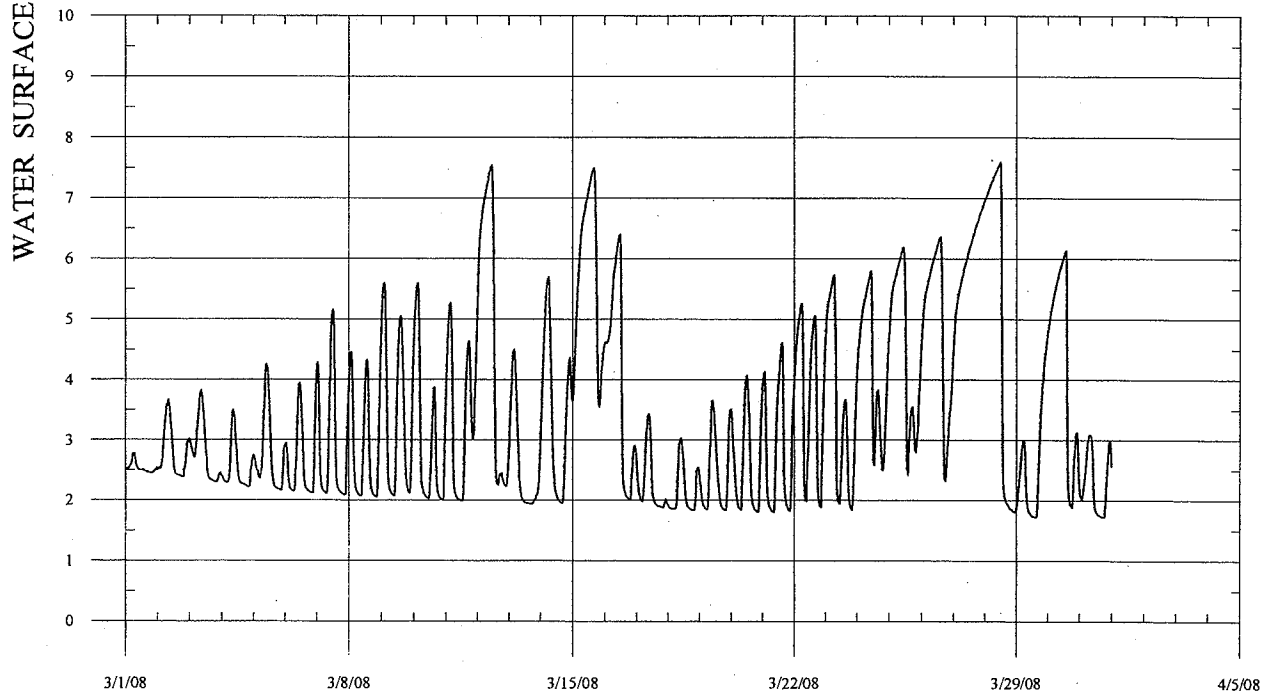
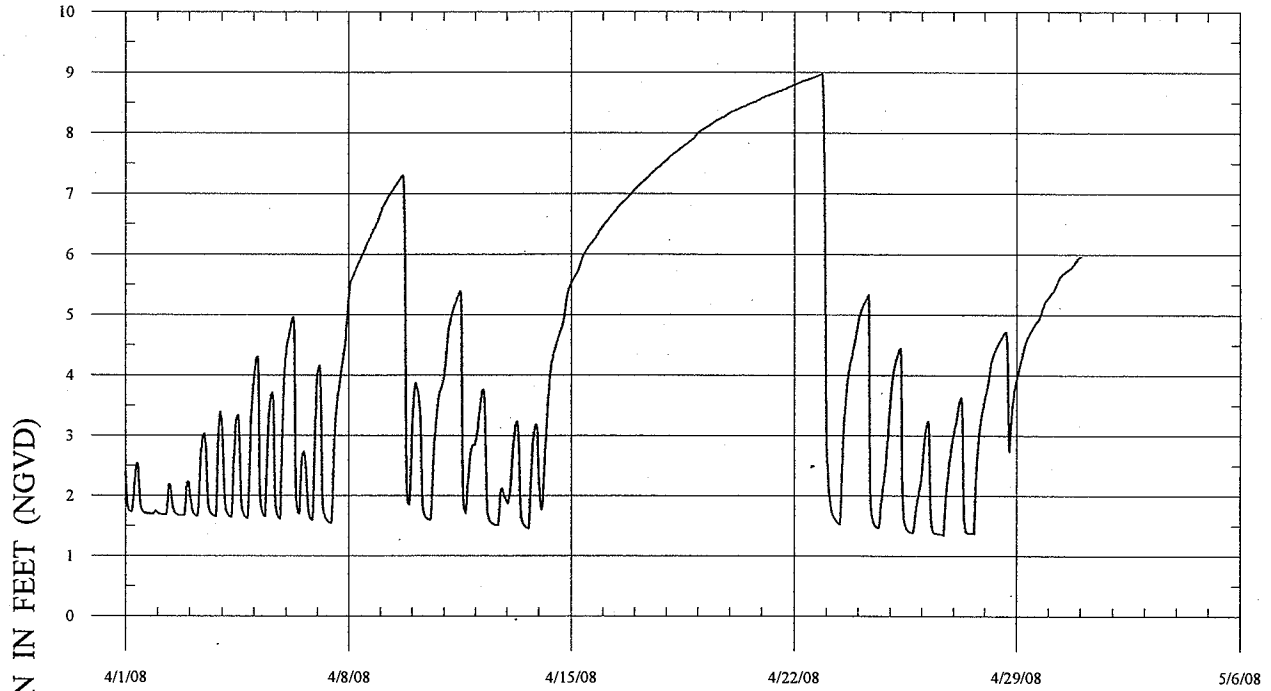


FIGURE G-28

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

APRIL 2008



MAY 2008

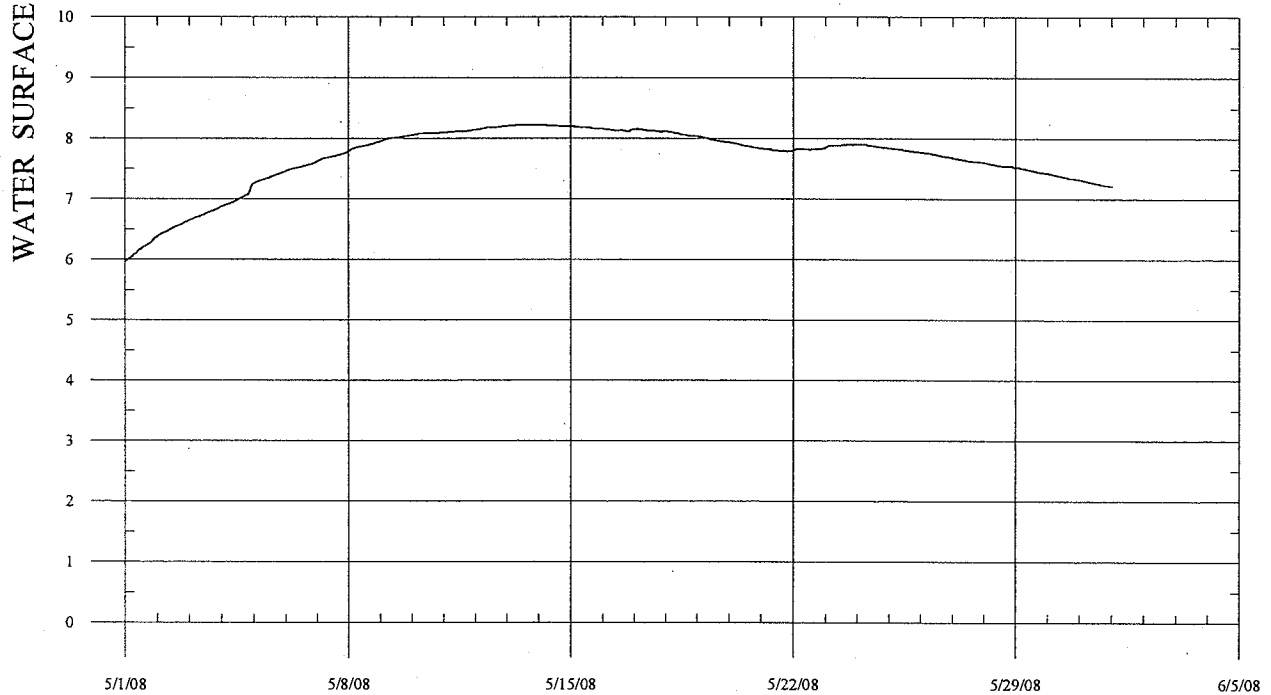
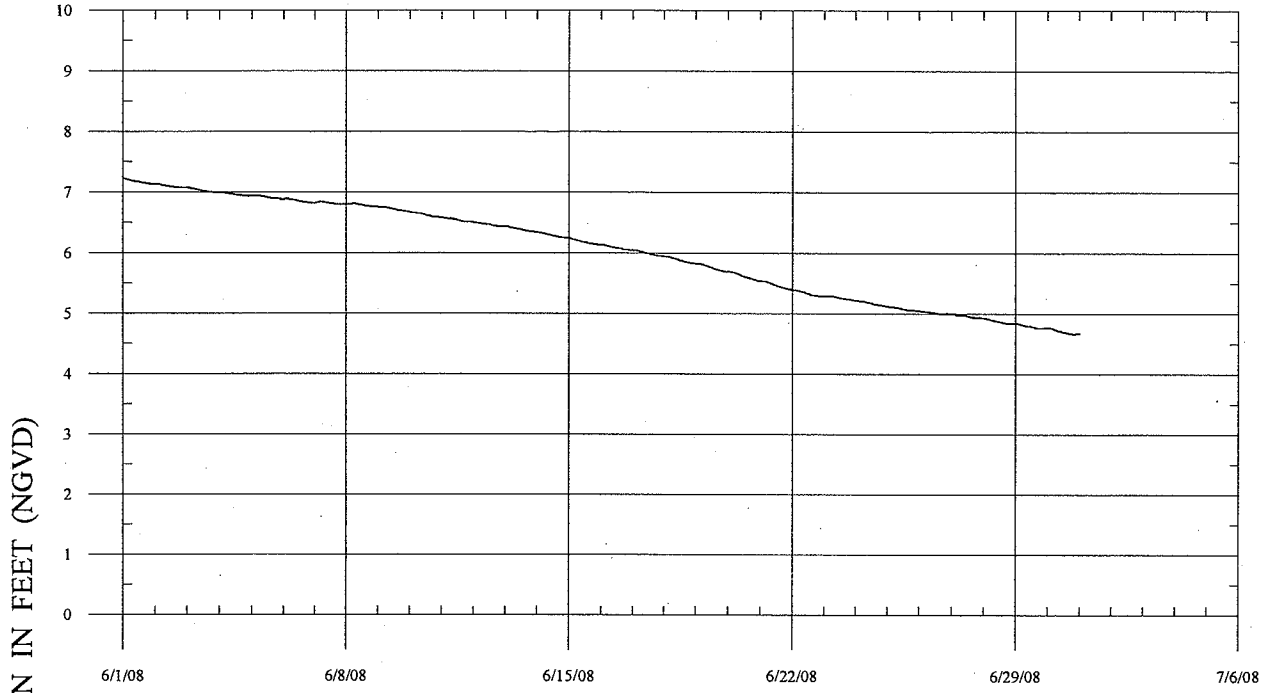


FIGURE G-29

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

JUNE 2008



JULY 2008

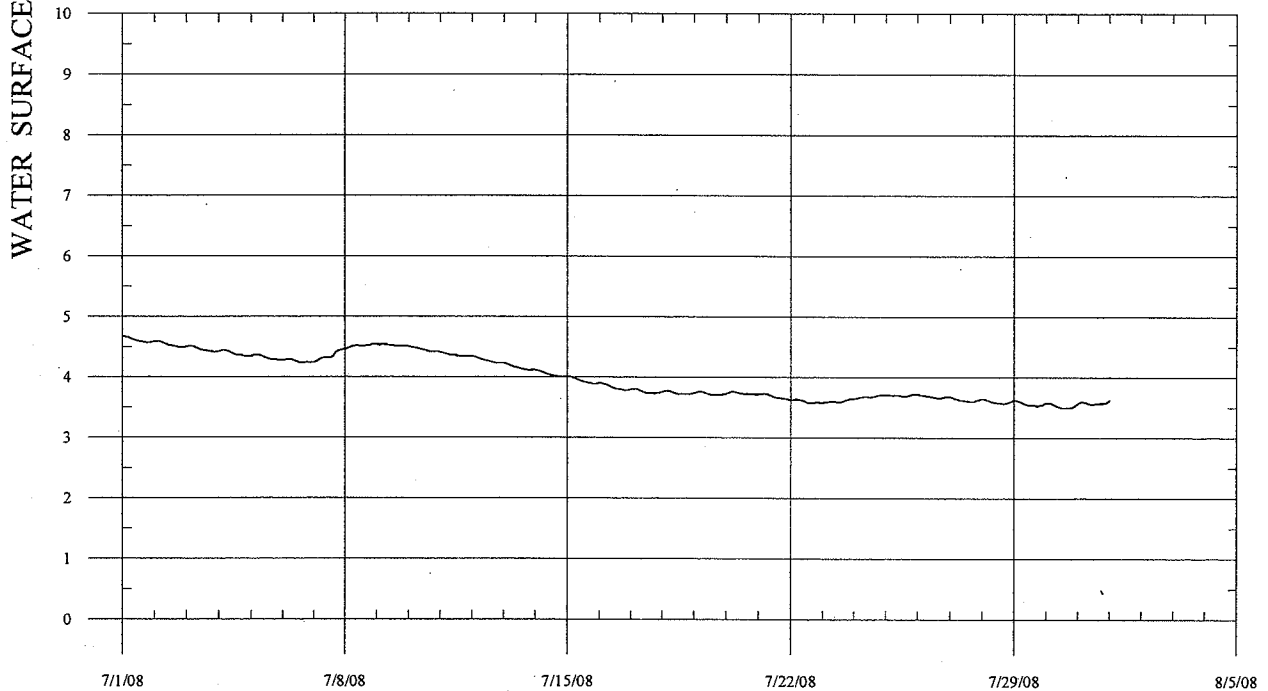
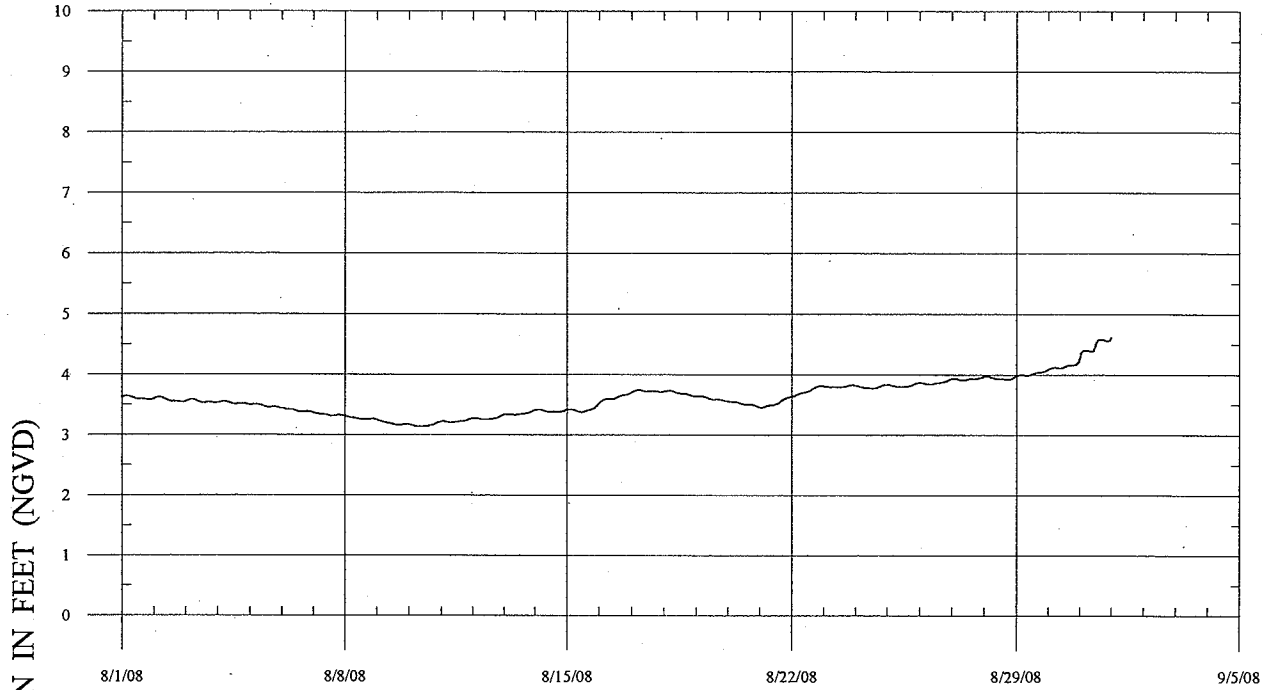


FIGURE G-30

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

CARMEL RIVER LAGOON

AUGUST 2008



SEPTEMBER 2008

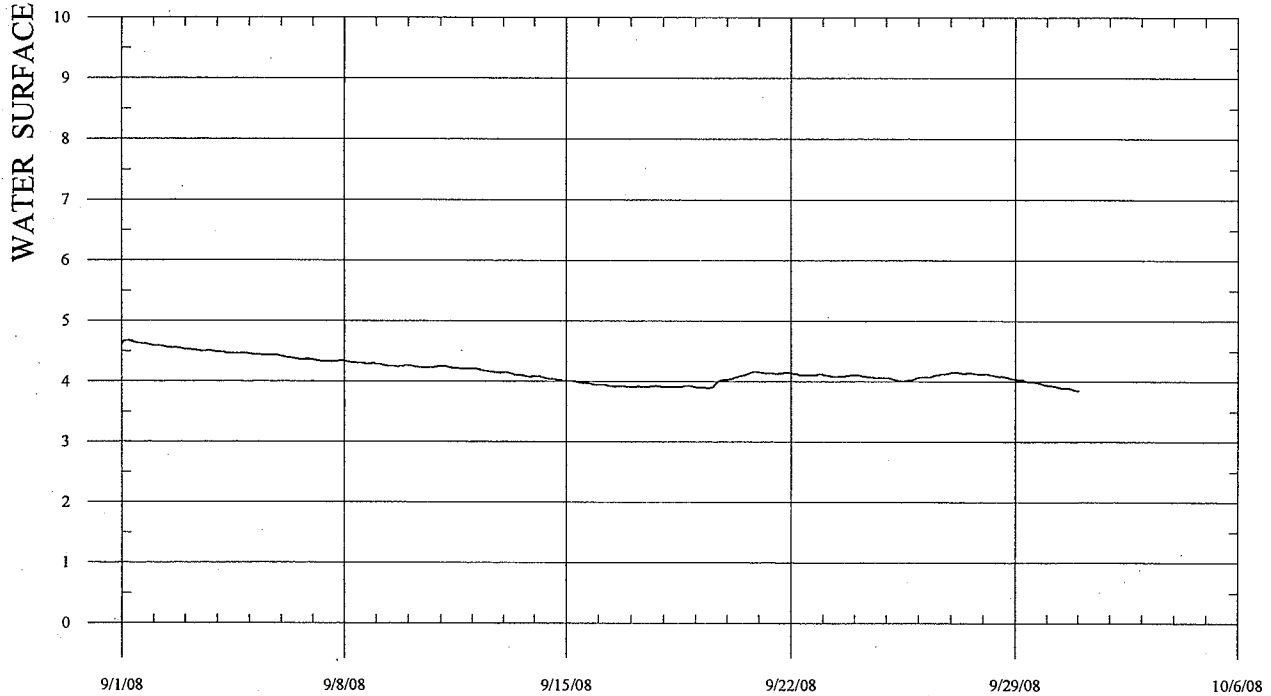


FIGURE G-31

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
CARMEL RIVER LAGOON CROSS SECTIONS 2003-2008

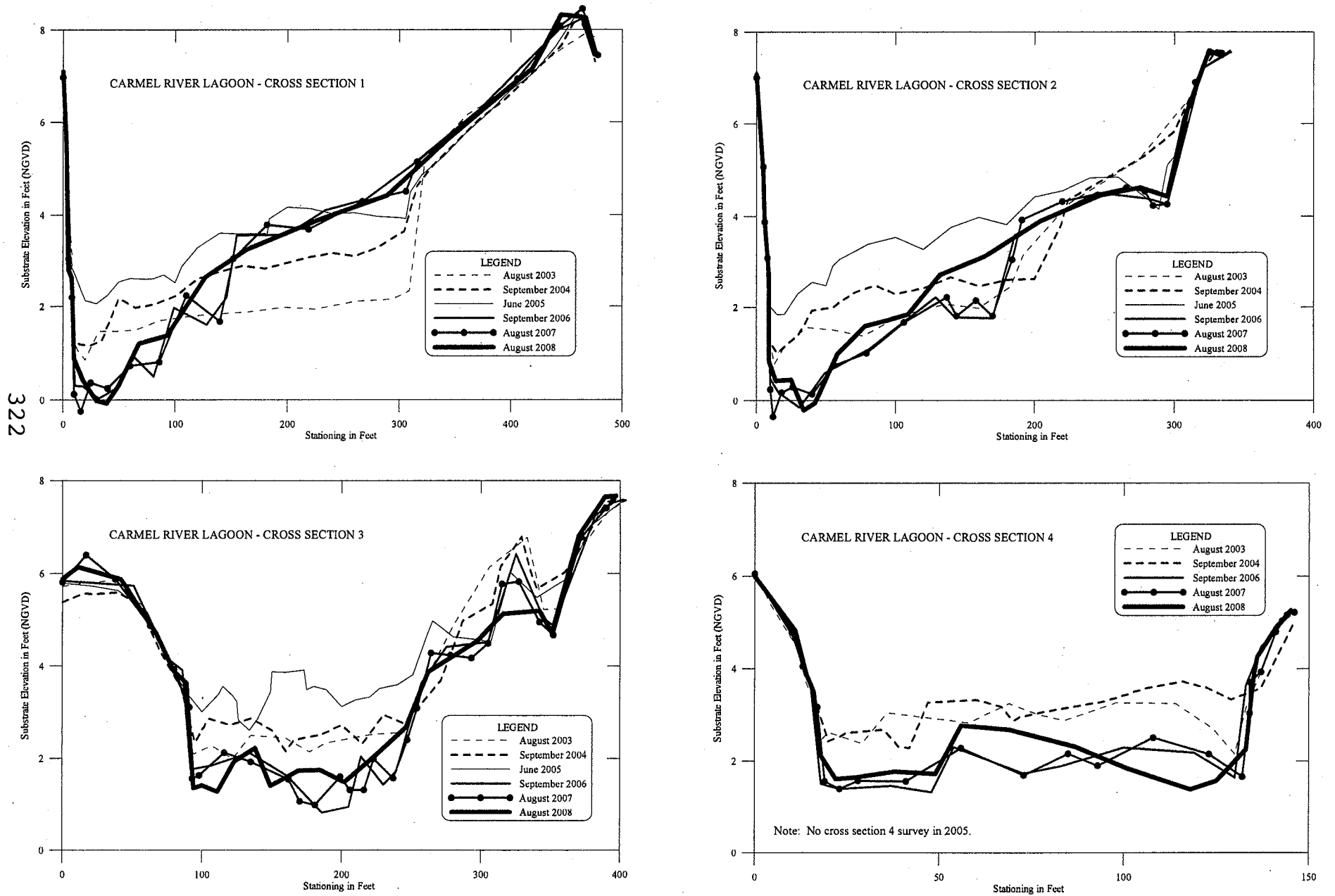


FIGURE G-32

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
CARMEL RIVER LAGOON CROSS SECTIONS 2003-2004

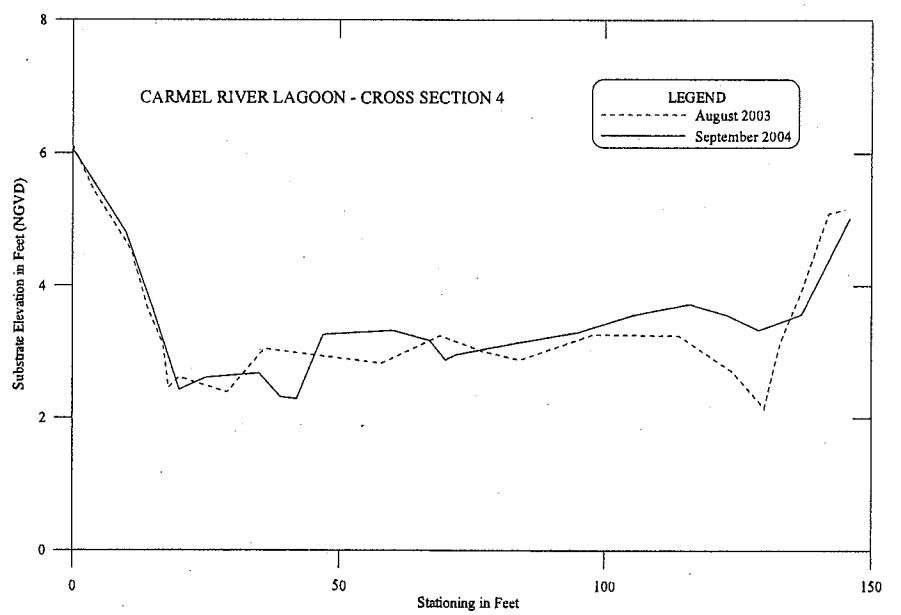
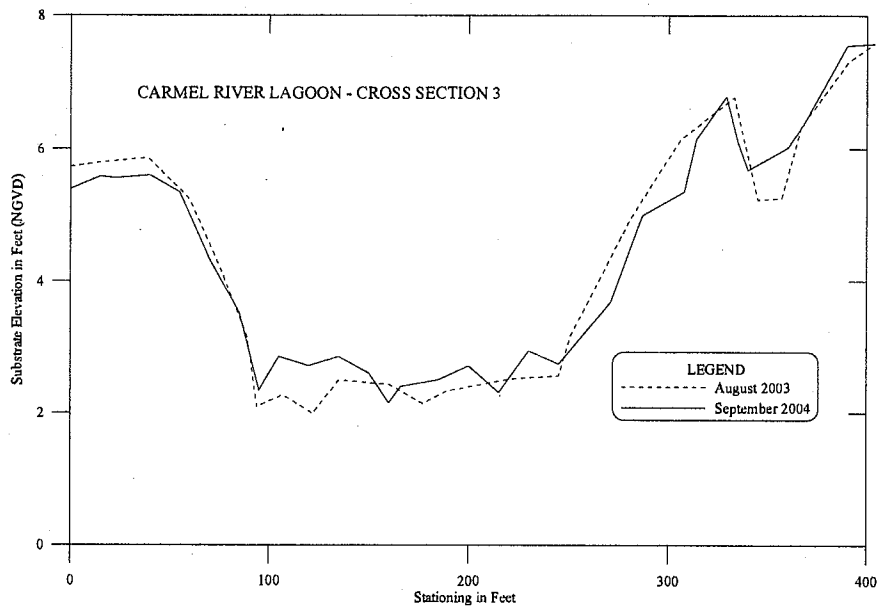
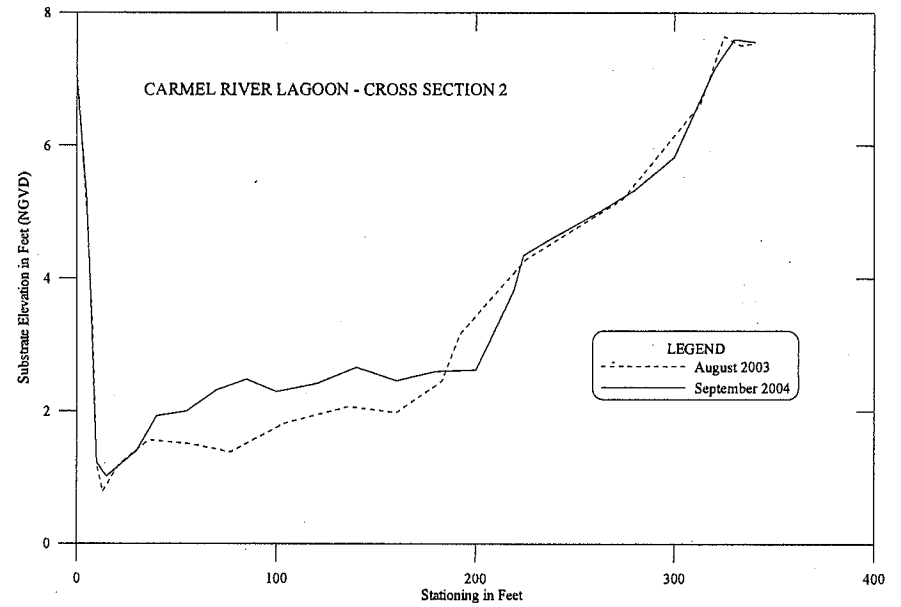
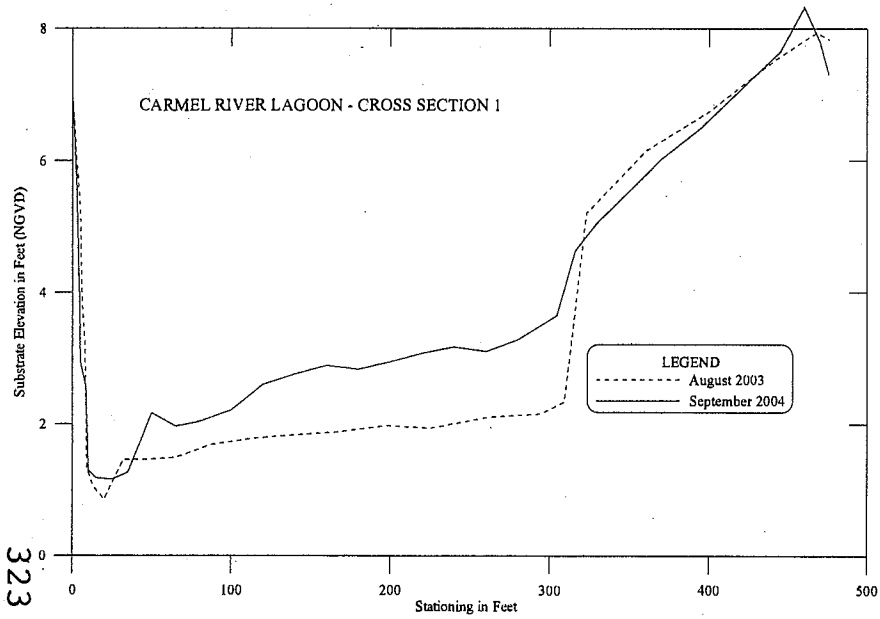


FIGURE G-33

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
CARMEL RIVER LAGOON CROSS SECTIONS 2004-2005

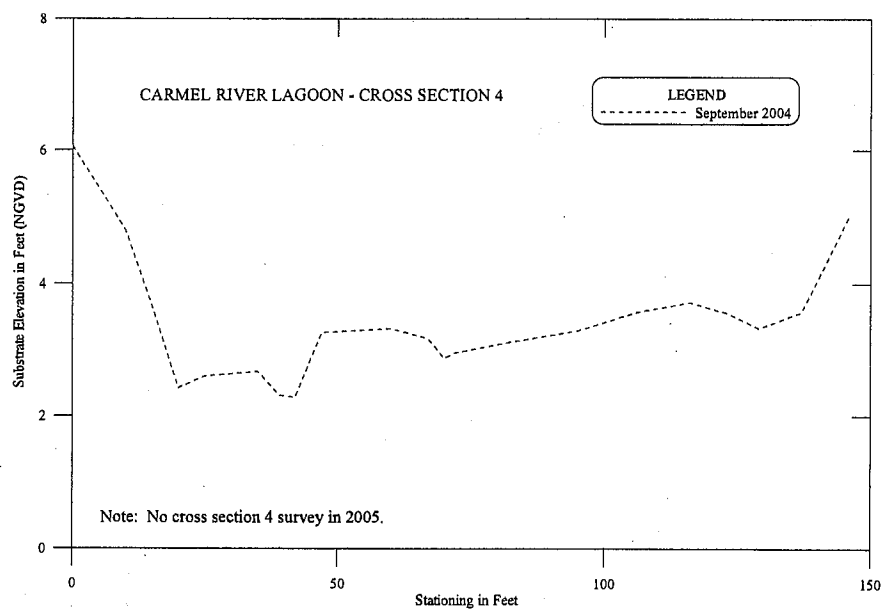
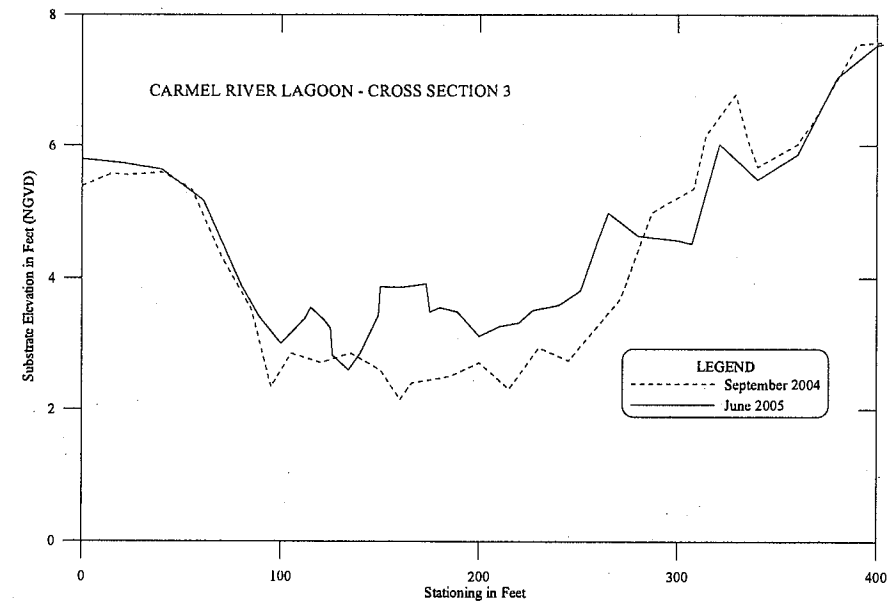
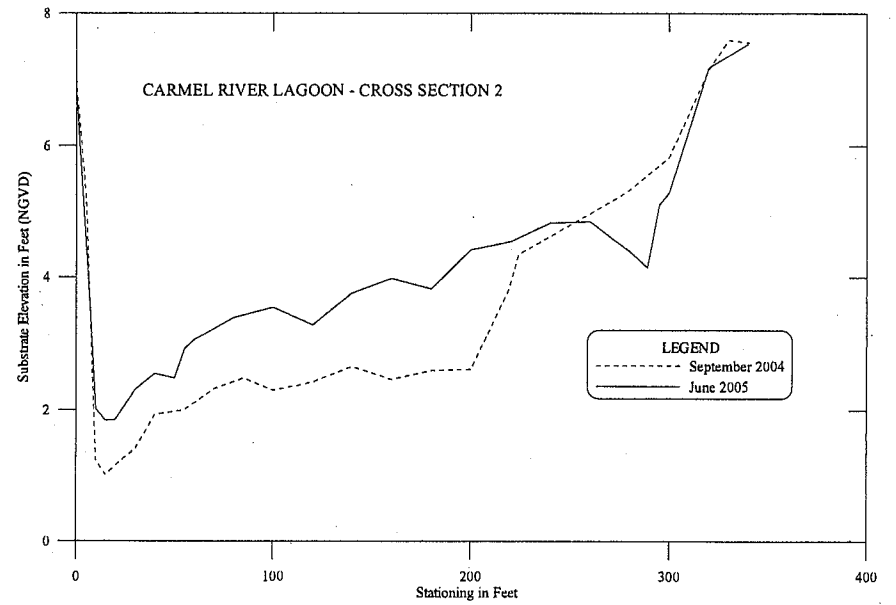
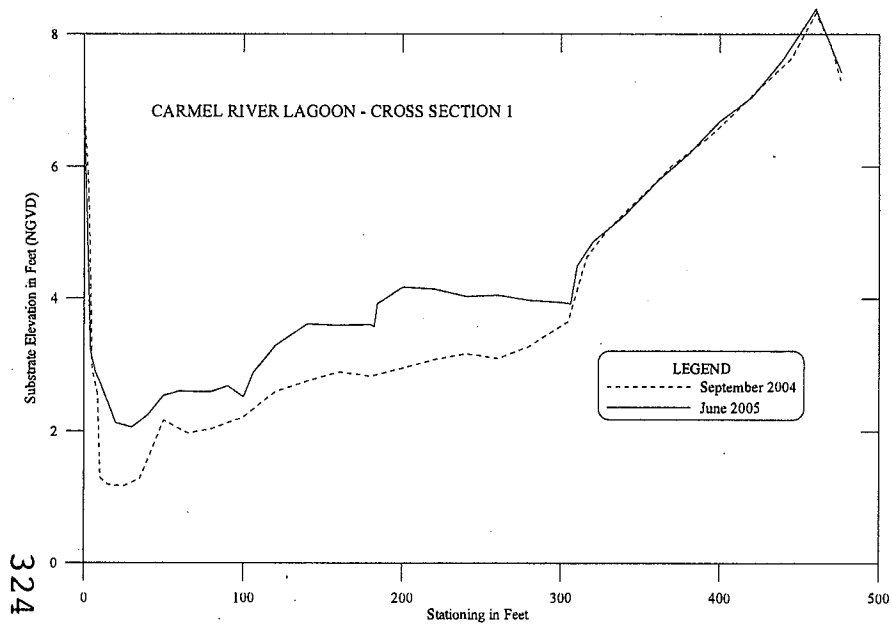


FIGURE G-34

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
CARMEL RIVER LAGOON CROSS SECTIONS 2005-2006

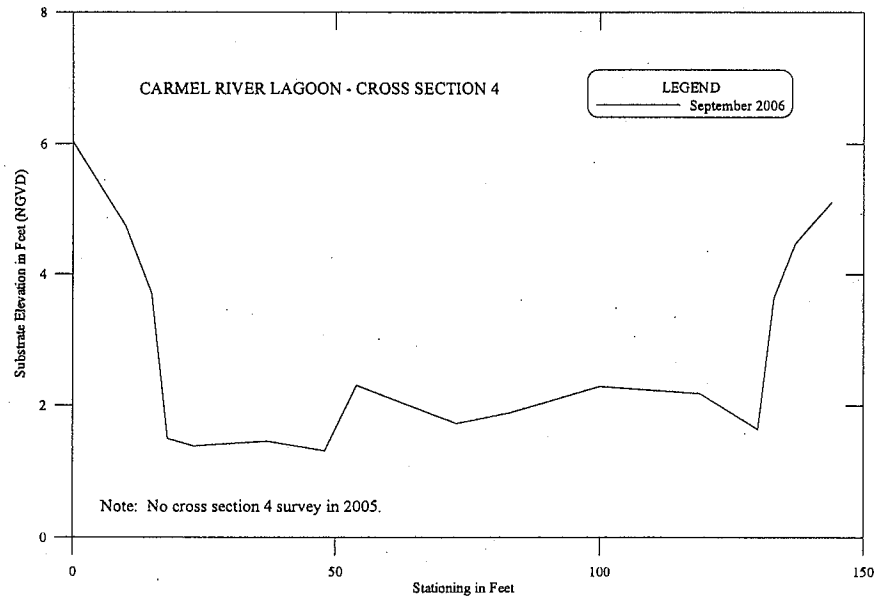
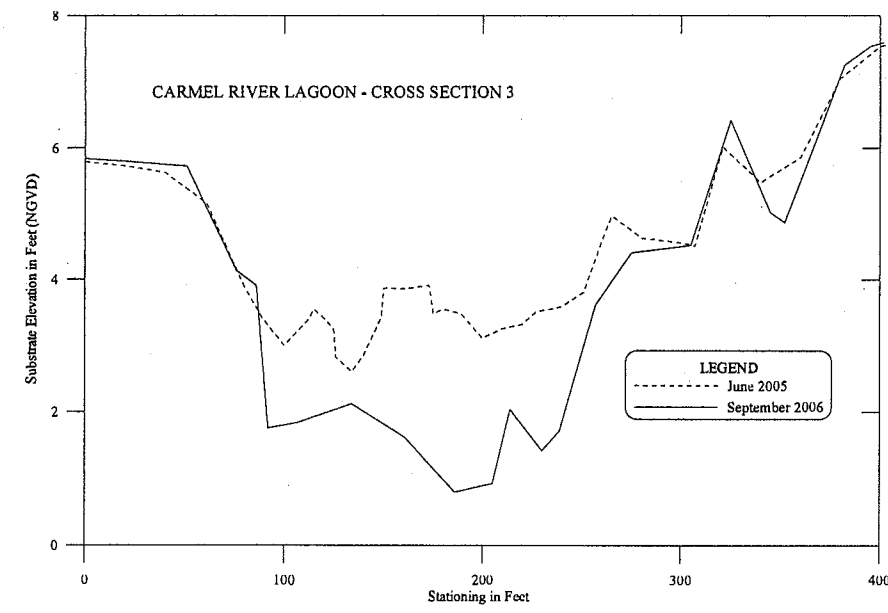
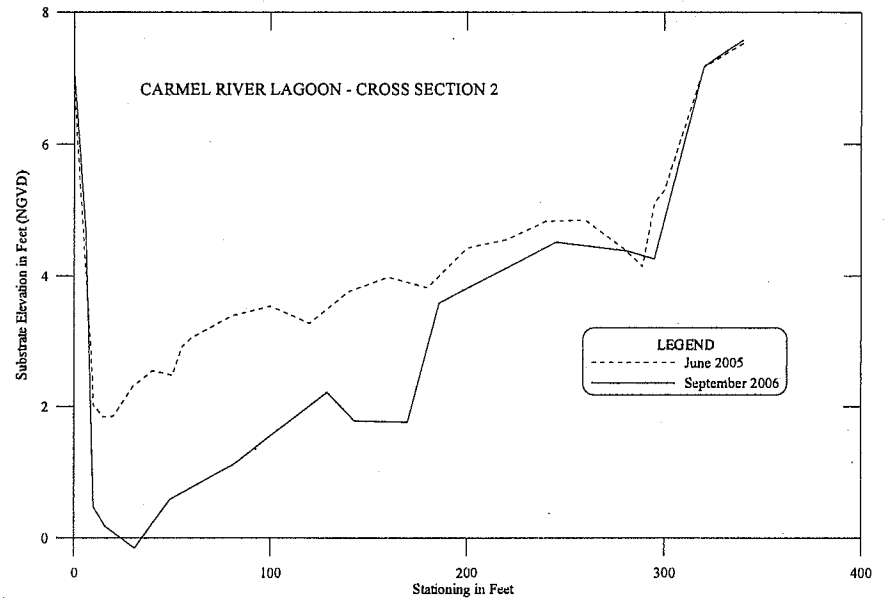
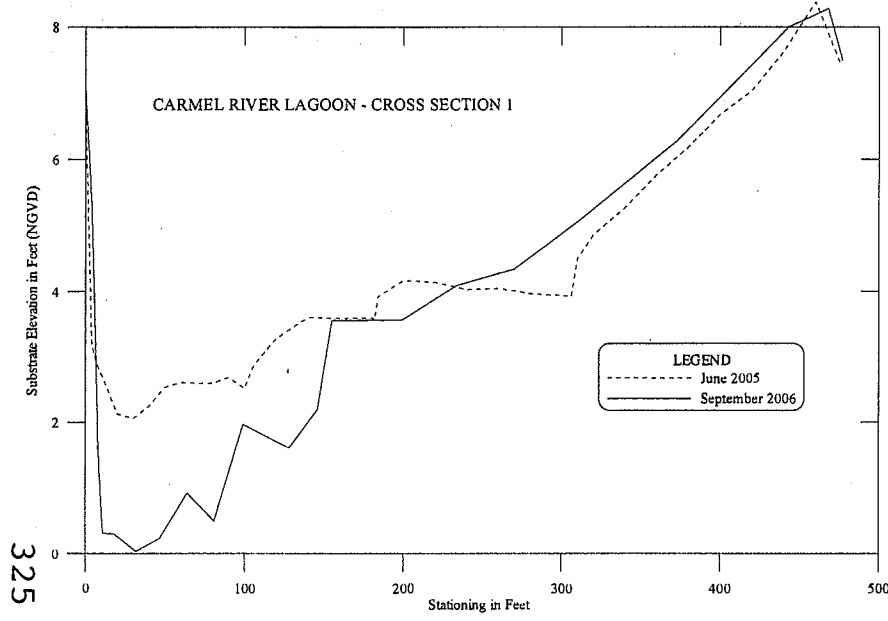


FIGURE G-35

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
CARMEL RIVER LAGOON CROSS SECTIONS 2006-2007

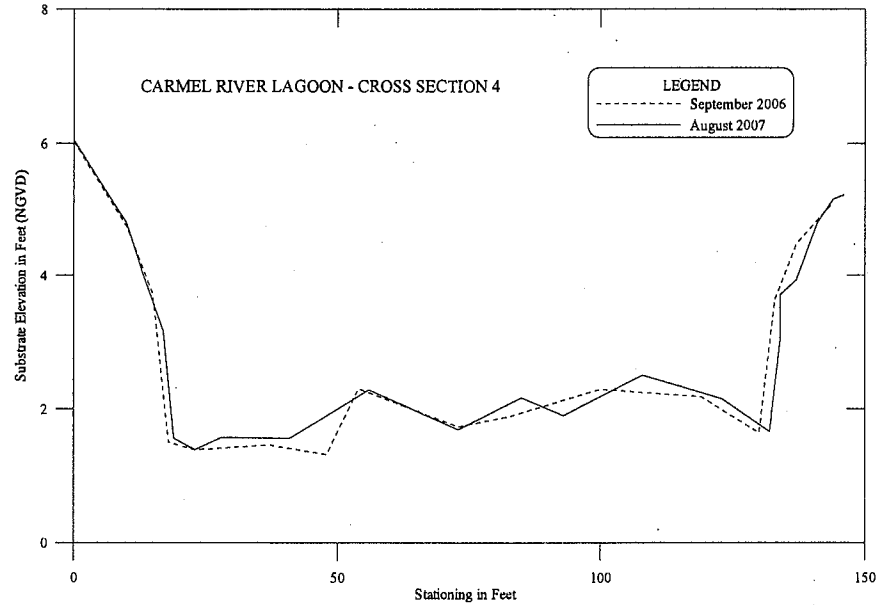
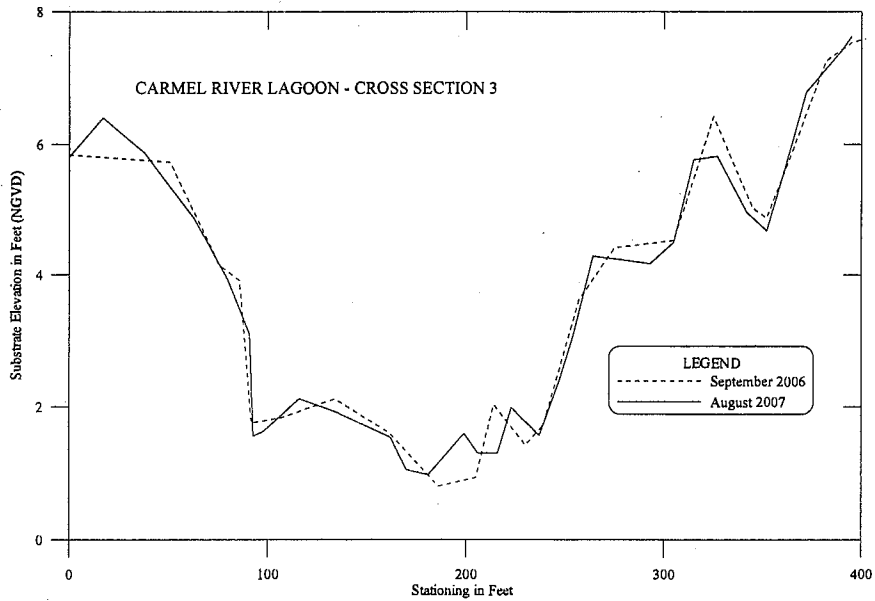
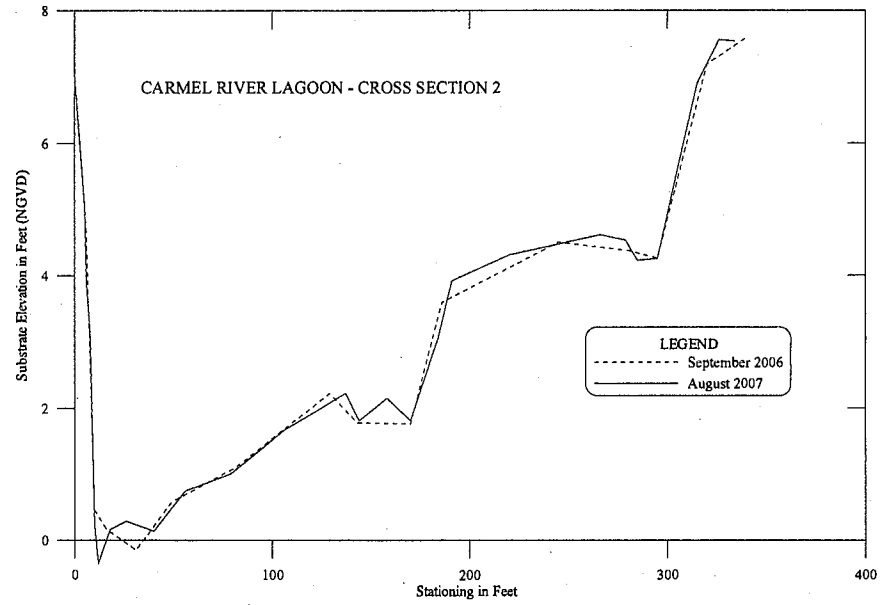
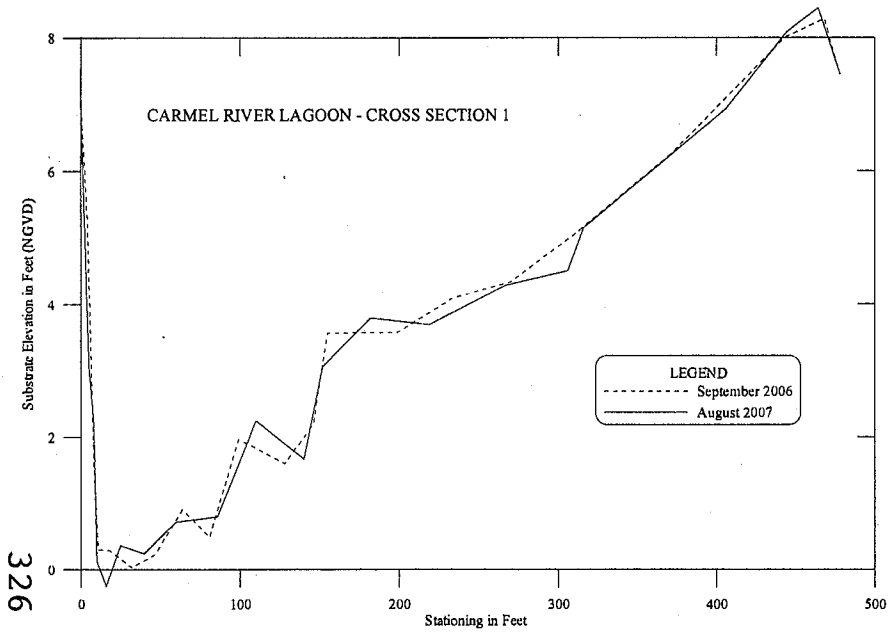


FIGURE G-36

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
CARMEL RIVER LAGOON CROSS SECTIONS 2007-2008

