APPENDIXES

State of California
The Resources Agency
Department of Water Resources
Southern District

WATER RESOURCES OF THE ARROYO GRANDE - NIPOMO MESA AREA

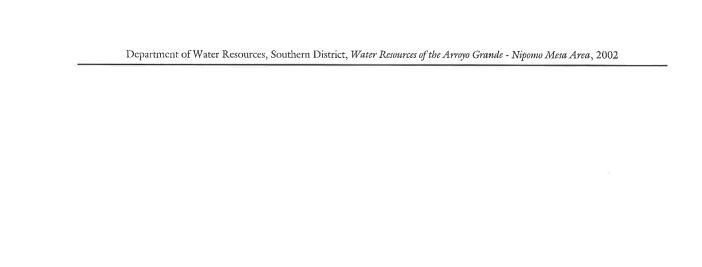
SOUTHERN DISTRICT REPORT 2002

Gray Davis Governor State of California

Mary D. Nichols Secretary for Resources The Resources Agency

Thomas M. Hannigan Director Department of Water Resources

APPENDIXES



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APPENDIX A SELECTED REFERENCES

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APPENDIX A SELECTED REFERENCES

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□ Appendix A A16

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APPENDIX B BASE HYDROLOGIC PERIOD AND PRECIPITATION DATA

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APPENDIX B BASE HYDROLOGIC PERIOD

The base period should be representative of long-term hydrologic conditions, encompassing dry, wet, and average years of precipitation. It must be contained within the historical record and should include recent cultural conditions to assist in determining projected basin operations. To minimize the amount of water in transit in the zone of aeration, the beginning and end of the base period should be preceded by comparatively similar rainfall quantities.

Precipitation

Figures B1, B2, and B3 depict cumulative departure from mean precipitation for the period of record for California State Polytechnic University at San Luis Obispo, Nipomo 2NW, and Santa Maria City stations, respectively. Figure B1 shows a distinct three-cycle pattern of wet and dry years, with the ending of the fourth cycle impending. These cycles correspond to time periods 1884-1900, 1901-1934, and 1935-1966. A fourth cycle appears to have begun in 1967; however, the ending of the cycle cannot be determined from present data. Similar wet and dry trends, corresponding to those in approximately the same time frame as in Figure B1, may be seen in Figures B2 and B3.

Based on the data in Figures B1-B3 and criteria described above, water years 1984-1995 were selected as the base period for this study. This 12-year span includes the most recent pair of wet and dry trends, begins and ends after a series of wet years, lies within the period of available data, and encompasses recent cultural conditions. Water year 1994 for each of the three stations was classified as a dry year. However, the assumption is that the amount of vadose water in the zone of aeration at the beginning and end of the base period, 1984-1995, is not considered significant. The base period mean precipitation at California State Polytechnic University at San Luis Obispo, Nipomo 2NW, and Santa Maria City, 21.66 inches, 16.26 inches, and 11.52 inches, respectively, corresponds closely to the long-time period through 1995 mean precipitation of 22.00 inches, 16.29 inches, and 13.41 inches, respectively.

Streamflow

A study of river and creek discharge records is desirable to ascertain if the selected base period is representative of long-term river discharge, as well as of long-term precipitation. Data from 10 river discharge stations were supplied by the County of San Luis Obispo and the United States Geological Survey. Data for each of the discharge stations are included in Appendix D. Several years of record were obtained from Balance Hydrologics, Inc. for the Pismo Creek watershed.

Analysis of the San Luis Obispo County and USGS data showed that the stations at Arroyo Grande Creek at Arroyo Grande and at Sisquoc River near Garey were representative of nearby

B3

river discharge based on the length of record available, proximity to the study area, and reliability of the data.

Figures B4 and B5 show annual discharge and long-term mean discharge for the period of record for the stations at Arroyo Grande Creek at Arroyo Grande and at Sisquoc River near Garey. The 12-year base period mean discharge of Arroyo Grande Creek at Arroyo Grande (1984-1995), which amounts to 5,851 AF, is about half of the long-term period mean discharge (1940-1995) of 12,727 acre-feet (Figure B6). There should be a better correlation between long-term period mean discharge and the 12-year base period mean discharge; however, the operation of Lopez Reservoir and mechanical failure of the recording gage may account for the discrepancy.

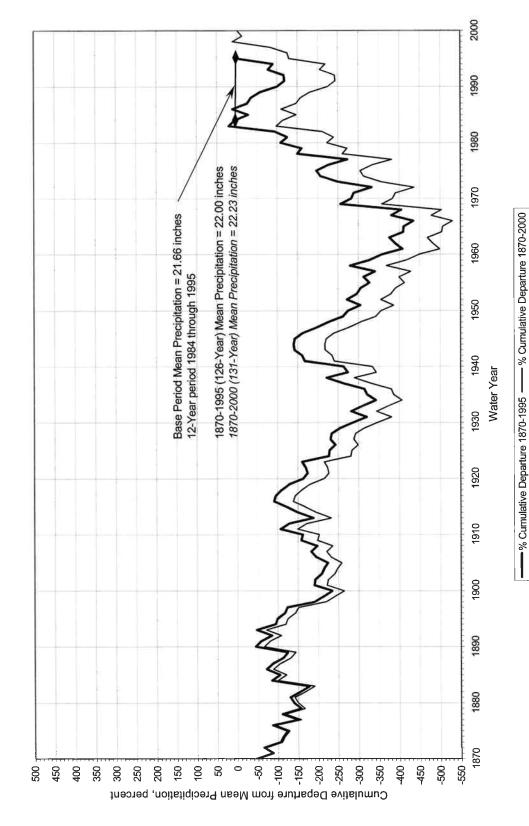
Mean discharge of the Sisquoc River near Garey for 1984-1995 amounted to 42,955 AF, compared to the long-term period mean discharge (1942-1995) of 34,209 AF (Figure B7). There should be a better correlation between long-term mean period discharge and the 12-year base period mean discharge; however, the operation of Twitchell Reservoir and mechanical failure of the recording gage may account for this discrepancy.

The base period and long-term period mean discharges for the stations at Arroyo Grande Creek at Arroyo Grande and at Sisquoc River near Garey differ by 46 percent and 80 percent, respectively.

Figure B8 depicts Pismo Creek station discharge for water years 1990-1992. Precipitation at the A. B. Cunningham at Oak Park station for water years 1990, 1991, and 1992 amounted to 8.10, 17.31 and 22.12 inches, respectively. Pismo Creek discharge shown on Figure B8 correlates well with the A. B. Cunningham at Oak Park precipitation data.

□ Appendix B B4

FIGURE B1 - CUMULATIVE DEPARTURE FROM MEAN PRECIPITATION CALIFORNIA POLYTECHNIC UNIVERSITY, SAN LUIS OBISPO



B5

FIGURE B2 - CUMULATIVE DEPARTURE FROM MEAN PRECIPITATION NIPOMO 2NW

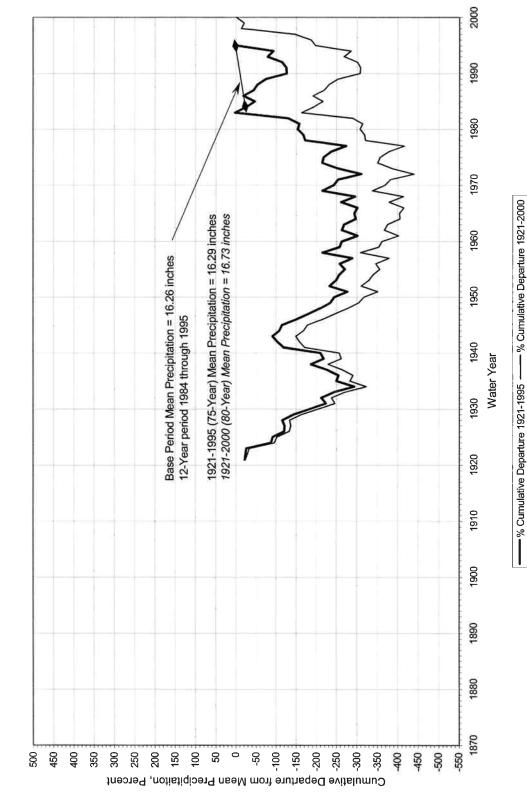
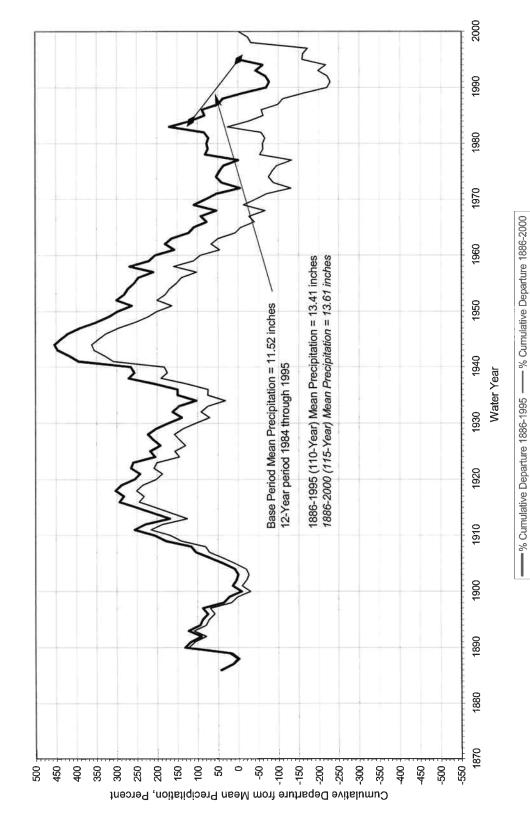
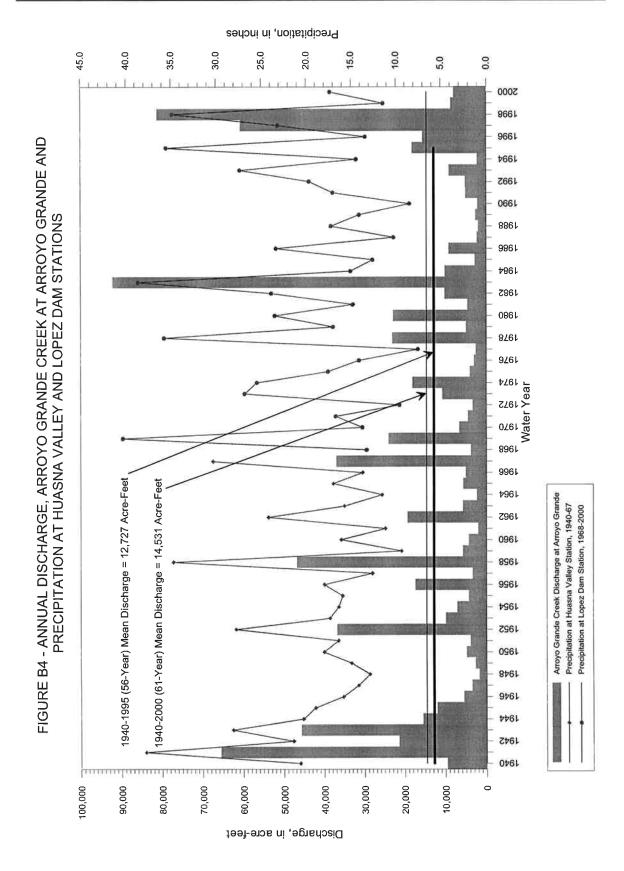


FIGURE B3 - CUMULATIVE DEPARTURE FROM MEAN PRECIPITATION CITY OF SANTA MARIA





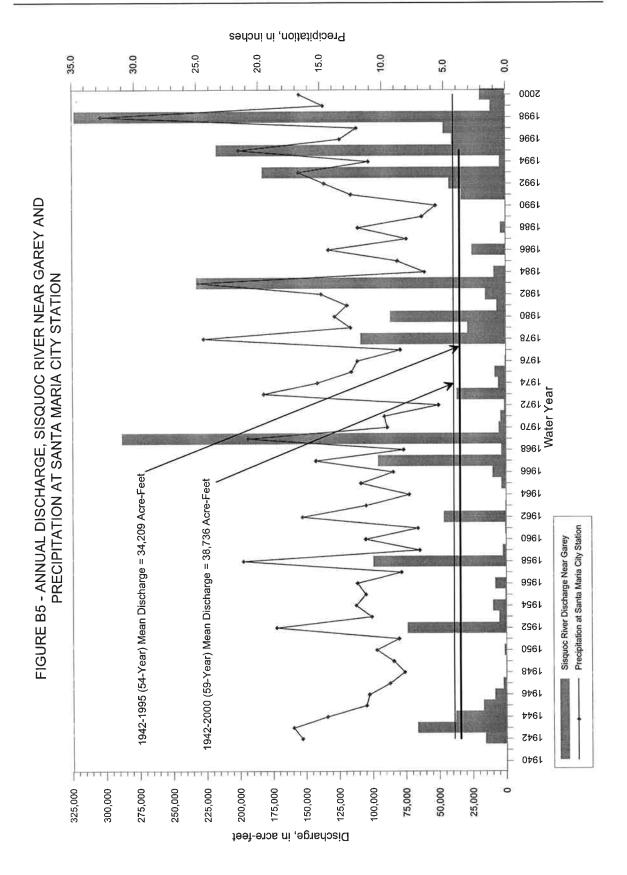
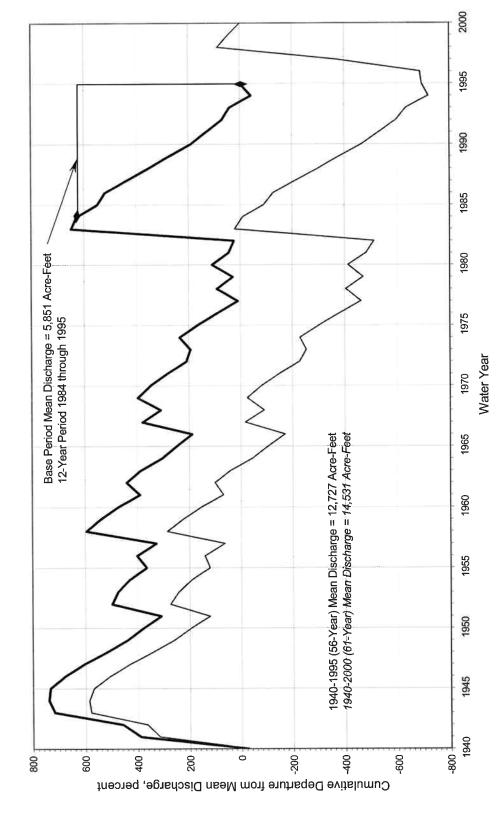


FIGURE B6 - CUMULATIVE DEPARTURE FROM MEAN DISCHARGE ARROYO GRANDE CREEK AT ARROYO GRANDE



---- % Cumulative Departure 1940-1995 ----- % Cumulative Departure 1940-2000

FIGURE B7 - CUMULATIVE DEPARTURE FROM MEAN DISCHARGE SISQUOC RIVER NEAR GAREY

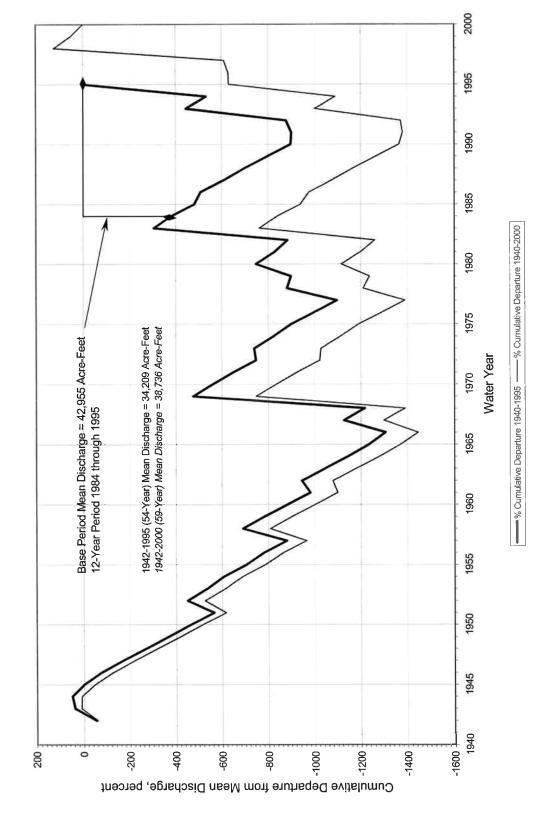
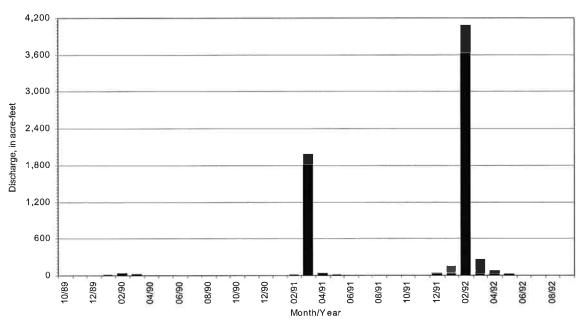
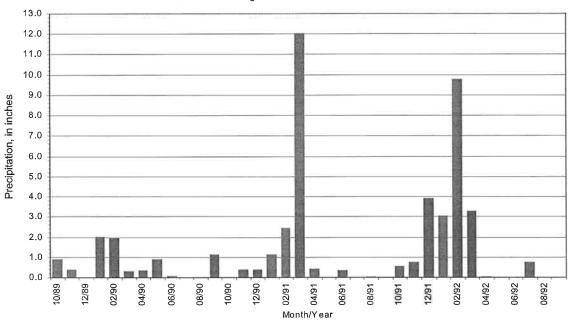


FIGURE B8 - DISCHARGE OF PISMO CREEK AT PISMO BEACH AND PRECIPITATION AT A. B. CUNNUNGHAM, OAK PARK

Pismo Creek at Pismo Beach



A. B. Cunningham Station at Oak Park



Precipitation Data, In Inches

STATION NAME: CA. ST. POLYTECHNIC U.

LOCATION: SAN LUIS OBISPO

GAGE NO: 1.0

ELEVATION: 300 FEET

BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 30 SOUTH

RANGE: 12 EAST SECTION: 23D LONGITUDE: 120-39-47 LATITUDE: 35-18-20

RECORD BEGAN: 1870

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Арг	May	Jun	Jul	Aug	Sep	Total
1870	0.84	0.66	0.78	0.71	4.85	0.74	2.40	0.85	0.00	0.00	0.00	0.00	11.83
1871	0.68	0.38	2.90	1.51	4.43	0.00	2.79	0.28	0.00	0.00	0.00	0.00	12.97
1872	0.00	2.40	13.93	5.16	3.45	0.71	1.37	0.00	0.00	0.00	0.00	0.00	27.02
1873	0.00	0.00	6.00	5.00	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.79
1874	0.00	0.00	7.96	4.29	4.04	3.23	1.00	0.00	0.00	0.00	0.00	0.00	20.52
1875	4.28	2.05	0.48	12.10	0.28	0.50	0.00	0.00	0.00	0.00	0.00	0.00	19.69
1876	0.00	6.20	2.20	9.87	5.29	5.30	1.26	0.00	0.00	0.00	0.00	0.00	30.12
1877	1.16	0.00	0.00	4.83	0.42	1.74	0.00	0.00	0.00	0.00	0.00	0.00	8.15
1878	0.00	1.42	3.90	7.88	11.91	2.74	2.75	0.00	0.00	0.00	0.00	0.00	30.60
1879	0.00	1.50	2.58	1.78	2.15	1.60	1.80	0.25	0.00	0.00	0.00	0.00	11.66
1880	0.75	1.40	3.03	1.75	7.23	2.36	8.78	0.52	0.00	0.00	0.00	0.00	25.82
1881	0.00	0.48	13.35	4.71	1.90	1.40	1.85	0.00	0.00	0.00	0.00	0.40	24.09
1882	1.65	0.25	2.00	0.85	3.40	6.75	1.73	0.00	0.00	0.00	0.00	0.00	16.63
1883	0.69	2.95	0.44	1.50	1.60	4.88	1.10	3.85	0.00	0.00	0.00	0.00	17.01
1884	0.00	0.00	3.56	10.57	10.21	12.41	3.39	0.00	2.26	0.00	0.00	0.00	42.40
1885	2.17	0.13	8.85	2.25	0.00	0.94	3.15	0.10	0.00	0.00	0.00	0.00	17.59
1886	0.04	12.90	3.67	5.78	0.79	2.37	3.75	0.00	0.00	0.00	0.00	0.00	29.30
1887	0.25	1.25	1.06	1.10	9.60	1.29	1.56	0.36	0.07	0.02	0.00	2.05	18.61
1888	0.25	1.40	3.15	7.02	0.28	3.84	0.14	0.16	0.04	0.00	0.00	0.00	16.28
1889	0.00	4.48	3.36	1.50	2.08	7.51	0.61	0.00	0.00	0.00	0.00	0.00	19.54
1890	9.19	2.46	11.37	7.27	4.67	3.07	0.29	0.41	0.00	0.00	0.00	0.82	39.55
1891	0.00	0.42	6.04	0.88	7.14	1.97	1.96	0.13	0.15	0.00	0.00	0.27	18.96
1892	0.00	0.20	5.15	0.70	2.88	4.25	0.60	2.23	0.05	0.00	0.00	0.00	16.06
1893	0.15	2.76	6.57	4.02	6.35	9.33	1.14	0.08	0.00	0.00	0.00	0.03	30.43
1894	0.82	0.45	1.64	1.83	2.31	0.79	0.41	1.32	0.21	0.05	0.00	1.81	11.64
1895	1.71	0.35	5.45	8.05	1.82	2.44	0.67	0.47	0.00	0.00	0.00	0.00	20.96
1896	1.80	1.56	0.68	8.23	0.00	3.16	2.22	0.10	0.00	0.04	0.20	0.00	17.99
1897	1.44	3.02	3.04	5.22	4.40	3.17	0.18	0.04	0.00	0.00	0.00	0.07	20.58
1898	0.79	0.07	0.65	1.37	2.20	0.91	0.06	1.04	0.04	0.00	0.00	0.20	7.33
1899	0.39	0.08	0.64	5.56	0.28	7.62	1.54	0.10	0.92	0.00	0.00	0.00	17.13
1900	3.92	1.94	4.51	2.13	0.16	2.18	0.98	1.38	0.01	0.00	0.00	0.00	17.21
1901	1.93	8.01	0.26	11.21	5.89	0.58	2.83	0.69	0.00	0.00	0.18	0.10	31.68
1902	2.58	1.58	0.12	1.46	8.79	4.68	2.44	0.03	0.00	0.00	0.00	0.00	21.68
1903	2.00	1.52	1.48	3.67	3.18	4.98	1.66	0.00	0.00	0.00	0.00	0.00	18.49
1904	0.02	0.48	0.32	1.08	6.79	5.13	2.97	0.20	0.00	0.00	0.06	3.54	20.59
1905	1.00	0.13	1.72	2.35	7.51	4.19	0.77	2.26	0.03	0.03	0.00	0.00	19.99
1906	0.00	1.97	0.32	6.37	3.48	10.86	0.71	4.22	0.16	0.00	0.03	0.04	28.16
1907	0.00	1.08	5.14	8.78	2.45	6.79	0.34	0.11	0.02	0.00	0.00	0.07	24.78
1908	3.23	0.01	3.33	6.69	3.59	0.79	0.14	0.21	0.00	0.00	0.00	0.84	18.83
1909	0.59	0.73	1.70	17.00	6.44	4.04	0.03	0.00	0.00	0.00	0.00	0.02	30.55
1910	0.54	2.24	10.09	3.48	0.43	3.81	0.23	0.00	0.00	0.00	0.00	0.41	21.23
1911	0.30	0.27	0.95	14.31	4.86	11.92	1.32	0.08	0.00	0.00	0.00	0.02	34.03
1912	0.12	0.46	3.72	2.80	0.02	5.65	2.27	2.09	0.00	0.00	0.00	0.04	17,17
1913	0.00	0.79	0.24	3.48	1.66	0.96	0.52	0.30	0.09	0.00	0.91	0.07	9.02
1914	0.00	3.97	5.73	15.03	3.31	1.24	0.68	0.06	0.22	0.00	0.00	0.00	30.24
1915	0.08	0.12	6.01	7.11	9.51	0.95	2.47	1.91	0.01	0.01	0.00	0.00	28.18
1916	0.00	0.34	3.58	18.25	2.38	2.12	0.21	0.04	0.00	0.00	0.00	1.94	28.86
1917	1.82	0.38	9.26	1.59	7.01	0.44	0.11	0.49	0.00	0.01	0.00	0.00	21.11
1918	0.09	0.47	0.14	0.55	9.63	7.12	0.04	0.01	0.00	0.00	0.01	0.73	18.79
1919	0.81	4.00	1.92	1.51	5.48	3.35	0.09	0.19	0.00	0.00	0.00	0.42	17.77
1920	0.12	0.14	4.52	0.82	2.36	4.78	1.65	0.00	0.05	0.00	0.03	0.00	14.47
1921	1.23	1.64	3.85	6.18	2.16	2.29	0.57	1.32	0.00	0.00	0.00	0.40	19.64
1922	0.16	0.16	7.22	4.48	6.49	3.46	0.27	0.72	0.00	0.00	0.00	0.00	22.96

Precipitation Data, In Inches

STATION NAME: CA. ST. POLYTECHNIC U.

LOCATION: SAN LUIS OBISPO

GAGE NO: 1.0

ELEVATION: 300 FEET

BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 30 SOUTH

RANGE: 12 EAST

SECTION: 23D

LONGITUDE: 120-39-47 LATITUDE: 35-18-20

RECORD BEGAN: 1870

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1923	0.47	5.30	6.64	4.51	1.36	0.38	4.57	0.01	0.04	0.00	0.00	0.70	23.98
1924	0.16	0.32	0.73	1.46	0.44	4.05	0.33	0.00	0.00	0.00	0.04	0.00	7.53
1925	0.94	0.89	2.04	2.78	4.32	4.21	2.68	3.58	0.15	0.00	0.03	0.06	21.68
1926	0.37	0.05	3.00	3.32	7.29	0.33	4.31	0.06	0.00	0.00	0.00	0.00	18.73
1927	0.66	8.24	1.41	2.78	7.78	2.10	1.54	0.05	0.12	0.00	0.00	0.00	24.68
1928	2.54	3.04	4.93	0.34	3.89	5.65	0.51	0.43	0.00	0.00	0.00	0.00	21.33
1929	0.00	3.51	5.42	1.96	2.90	1.78	1.39	0.00	0.34	0.00	0.00	0.05	17.35
1930	0.00	0.00	0.33	6.07	3.32	3.15	0.67	1.21	0.17	0.00	0.00	0.14	15.06
1931	0.04	1.98	0.63	6.22	1.92	0.54	0.48	2.52	0.16	0.00	0.06	0.00	14.55
1932	0.09	2.88	14,99	4.95	5.92	0.88	0.40	0.18	0.00	0.04	0.02	0.05	30.40
1933	0.33	0.31	1,81	8.87	0.33	1.03	0.17	0.93	1.88	0.00	0.00	0.00	15.66
1934	0.95	0.00	7,11	0.05	4.80	0.07	0.00	0.38	1.61	0.00	0.00	0.07	15.04
1935	2.28	3.91	2.84	6.01	0.93	4.59	5.35	0.01	0.00	0.00	0.71	0.00	26.63
1936	0.74	1.94	2,72	2.53	12.00	1.49	1.55	0.14	0.20	0.14	0.00	0.11	23.56
1937	1.69	0.00	8.29	7.98	9.25	5.56	0.22	0.00	0.05	0.00	0.00	0.00	33.04
1938	0.09	0.73	7.51	2.70	11.96	6.79	1.12	0.09	0.00	0.00	0.00	0.54	31.53
1939	0.53	0.48	1.08	3.39	1.97	1.92	0.26	0.13	0.00	0.02	0.00	0.59	10.37
1940	1.34	1.07	1.92	9.29	6.41	1.89	2.37	0.01	0.00	0.00	0.00	0.00	24.30
1941	0.78	0.25	9.68	7.80	9.85	8.60	5.23	0.73	0.00	0.02	0.02	0.00	42.96
1942	1.14	0.95	10.18	2.80	1.93	2.33	3.94	0.30	0.00	0.00	0.01	0.00	23.58
1943	0.54	1.34	3.35	10.83	2.01	6.94	1.04	0.00	0.00	0.00	0.00	0.00	26.05
1944	1.15	0.42	4,57	1.77	9.45	2.61	2.22	0.24	0.01	0.00	0.00	0.00	22.44
1945	0.14	6.10	2.18	0.16	6.48	5.91	0.12	0.10	0.09	0.00	0.03	0.11	21.42
1946	1.14	0.83	7.36	0.63	2.26	4.20	1.24	0.19	0.00	0.04	0.02	0.00	17.91
1947	0.55	6.64	2.68	0.44	1.15	2.04	0.20	0.27	0.24	0.00	0.04	0.00	14.25
1948	1.40	0.12	1.47	0.06	2.17	5.25	4.14	0.89	0.00	0.00	0.00	0.00	15.50
1949	0.39	0.02	3,50	1.94	2.41	5.68	0.11	0.00	0.00	0.00	0.00	0.00	14.05
1950	0.00	2.23	3.85	4.89	3.88	1.41	2.53	0.17	0.00	0.46	0.00	0.03	19.45
1951	2.12	2.38	3.25	3.42	1.31	1.03	1.48	0.13	0.00	0.00	0.04	0.05	15.21
1952	0.93	1.96	8.39	9.53	0.63	6.65	1.05	0.04	0.03	0.05	0.00	0.00	29.26
1953	0.00	3.55	7.28	2.37	0.00	1.40	1.99	0.15	0.04	0.00	0.00	0.00	16.78
1954	0.00	3.45	0.42	6.10	3.50	4.90	1.28	0.09	0.03	0.00	0.00	0.00	19.77
1955	0.00	2.77	3.10	5.60	1.96	0.18	2.67	0.99	0.01	0.00	0.01	0.00	17.29
1956	0.00	1.93	10.88	6.51	1.46	0.01	3.51	0.85	0.00	0.00	0.00	0.00	25.15
1957	0.65	0.00	0.49	4.64	3.92	1.17	3.30	1.57	0.24	0.00	0.00	0.00	15.98
1958	1.68	0.55	4.23	3.78	8.97	8.40	6.51	0.23	0.00	0.00	0.00	0.95	35.30
1959	0.00	0.32	0.18	2.69	6.60	0.00	0.95	0.07	0.00	0.00	0.00	0.73	11.54
1960	0.00	0.00	0,60	4.23	6.85	1.52	1.94	0.04	0.00	0.00	0.00	0.00	15.18
1961	0.22	3.76	1.67	1.97	0.91	1.74	0.49	0.33	0.04	0.01	0.00	0.01	11.15
1962	0.00	4.60	2.14	2.88	13.96	2.16	0.13	0.04	0.06	0.00	0.00	0.00	25.97
1963	1.52	0.04	2.73	3.56	8.08	4.61	3.84	0.33	0.09	0.00	0.00	0.19	24.99
1964	1.94	4.08	0.15	3.01	0.12	2.10	1.69	1.03	0.37	0.02	0.00	0.10	14.61
1965	1.43	3.79	5.78	4.10	0.42	2.29	3.91	0.00	0.00	0.00	0.00	0.00	21.72
1966	0.00	7.80	4.12	2.13	1.15	0.29	0.12	0.00	0.00	0.15	0.00	1,11	16.88
1967	0.00	4.40	7.70	6.04	0.58	6.38	6.90	0.36	0.13	0.00	0.00	1.20	33.69
1968	0.00	3.83	3.05	2.43	2.07	3.70	1.31	0.35	0.00	0.00	0.00	0.01	16.75
1969	3.08	2.10	3.92	24.63	15.16	1.88	3.72	0.00	0.03	0.00	0.00	0.10	54.62
1970	0.62	0.89	1.73	7.28	1.42	4.11	0.18	0.00	0.03	0.00	0.00	0.00	16.30
1971	0.02	6.02	8.51	1.89	0.42	0.73	1.56	1.22	0.00	0.00	0.00	0.00	20.65
1972	0.36	2.00	7.03	1.03	0.42	0.00	0.89	0.06	0.00	0.04	0.00	0.00	12.27
1973	2,72	6.79	2.00	13.83	9.67	4.94	0.00	0.02	0.00	0.00	0.00	0.00	40.04
1974	2.18	4.18	4.90	8.17	0.43	8.97	2.81	0.02	0.02	0.00	0.00	0.00	31.68
1975	1.96	0.74	4.93	0.26	8.35	5.90	2.00	0.00	0.02	0.02	0.00	0.00	
1910	1.90	0.74	4.93	0.20	0.33	5.80	2.00	0.00	0.00	0.00	0.00	0.02	24.16

B14

Precipitation Data, In Inches

STATION NAME: CA. ST. POLYTECHNIC U.

LOCATION: SAN LUIS OBISPO

GAGE NO: 1.0

ELEVATION: 300 FEET

BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 30 SOUTH

RANGE: 12 EAST SECTION: 23D

LONGITUDE: 120-39-47 LATITUDE: 35-18-20

RECORD BEGAN: 1870

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Арг	May	Jun	Jul	Aug	Sep	Total
1976	2.23	0.36	0.18	0.01	4.17	2.54	0.88	0.00	0.03	0.00	1.41	3.87	15.68
1977	0.50	1.03	2.49	2.01	0.08	2.13	0.06	3.29	0.00	0.00	0.00	0.03	11.62
1978	0.05	0.28	8.49	15.76	10.71	8.09	4.37	0.00	0.07	0.00	0.00	1.18	49.00
1979	0.00	2.46	2.24	4.62	5.99	4.03	0.24	0.00	0.00	0.00	0.00	0.20	19.78
1980	1.28	1.21	4.84	9.22	11.91	3.47	0.70	0.43	0.00	0.29	0.00	0.00	33.35
1981	0.00	0.01	2.10	6.40	2.15	7.48	0.34	0.00	0.00	0.00	0.00	0.00	18.48
1982	1.59	2.97	2,04	5.87	1.65	8.89	4.12	0.01	0.17	0.00	0.11	1.19	28.61
1983	1.74	6.28	4.97	10.05	10.53	8.61	3.30	0.61	0.00	0.00	0.91	0.15	47.15
1984	2.47	6.54	6.72	0.18	0.97	1.02	0.82	0.00	0.00	0.00	0.08	0.00	18.80
1985	1.27	3.61	3.76	0.72	1.94	3.04	0.30	0.02	0.00	0.04	0.02	0.04	14.76
1986	1.05	4.39	2.03	2,65	11.79	7.26	0.16	0.00	0.00	0.01	0.00	1.14	30.48
1987	0.00	0.28	1.51	2.48	2.90	6.62	0.19	0.06	0.00	0.00	0.00	0.00	14.04
1988	2.76	1.49	4.95	2.87	2.67	1.29	3.44	0.20	0.18	0.02	0.00	0.00	19.87
1989	0.00	1.85	8.08	0.98	1.66	1.99	0.76	0.12	0.00	0.00	0.00	1.70	17.14
1990	1,62	0.55	0.00	4.15	2.98	0.70	0.48	1.42	0.00	0.00	0.00	0.56	12.46
1991	0.00	0.36	0.43	0.81	2.34	12,82	0.43	0.00	0.80	0.00	0.07	0.00	18.06
1992	0.44	0.58	4.49	3.43	9.84	3.15	0.10	0.00	0.04	0.44	0.00	0.00	22.51
1993	1.29	0.00	5.45	10.51	8.61	4.03	0.25	0.23	0.09	0.00	0.00	0.00	30.46
1994	0.22	1.89	2.20	2.93	5.97	1.43	1.46	0.86	0.00	0.00	0.00	2.38	19.34
1995	0.89	2.51	1.15	16.03	2.25	16.48	1.12	0.76	0.76	0.00	0.00	0.00	41.95
For 1870-1995 Wate	v Vanza												
		247.70	400.00	612.01	E20 62	460.84	198.24	57.13	12.70	1.97	5.05	33.91	2772 10
Sum	110.96	247.78	490.08 126	613.91 126	539.62 126	126	126	126	12.70	126	126	126	2772.19 126
N	126	126				3.66	1.57	0.45	0.10	0.02	0.04	0.27	22.00
Mean	0.88	1.97	3.89	4.87	4.28	3.00	1.57	0.43	0.10	0.02	0.04	0.27	22.00
Mean for 1984-95	4.00	2.00	3.40	3.98	4.49	4.99	0.79	0.31	0.16	0.04	0.01	0.49	21.66
Water Years*	1.00			24.63			8.78	4.22	2.26	0.46	1.41	3.87	54.62
Max	9.19	12.90	14.99		15.16	16.48							
Min	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.33
STD	1.19	2.22	3.19	4.32	3.59	3.08	1.61	0.80	0.32	0.06	0.18	0.63	8.72
1996	0.02	0.40	3.55	4.68	9.73	1.78	1.90	1.05	0.00	0.00	0.00	0.00	23.11
1997	2.23	4.43	10.88	13.31	0.46	0.00	0.05	0.00	0.00	0.05	0.01	0.00	31.42
1998	0.00	5.84	5.32	6.86	15.07	3.79	2.56	3.41	0.05	0.00	0.00	0.35	43.25
1999	0.37	1.88	1.22	3.82	2.37	5.19	2.07	0.00	0.00	0.00	0.00	0.13	17.05
2000	0.00	1.69	0.08	4.33	13.17	1.92	2.97	0.21	0.34	0.00	0.00	0.02	24.73
For 1870-2000 Wate	r Vaare												
Sum	113.58	262.02	511.13	646.91	580.42	473.52	207.79	61.80	13.09	2.02	5.06	34.41	2911.75
N	131	131	131	131	131	131	131	131	131	131	131	131	131
Mean	0.87	2.00	3.90	4.94	4.43	3.61	1.59	0.47	0.10	0.02	0.04	0.26	22.23
Max	9.19	12.90	14.99	24.63	15.16	16.48	8.78	4.22	2.26	0.46	1.41	3.87	54.62
Min	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.33
STD	1.18	2.21	3.22	4.30	3.77	3.05	1.59	0.83	0.00	0.06	0.00	0.62	8.80
310	1.10	۷.۷۱	3.22	4.30	3.11	3.03	1.08	0.03	0.31	0.00	0.10	0.02	0.00

^{*}Hydrologic base period for this study

STATION NAME: SUEY RANCH LOCATION: SANTA MARIA VALLEY

GAGE NO: 023.0 ELEVATION: 500 FEET BASE & MERIDIAN: SAN BERNARDINO

TOWNSHIP: 33 EAST RANGE: 11 SOUTH SECTION: 32D

LONGITUDE: 120-23 LATITUDE: 35-00

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Арг	May	Jun	Jul	Aug	Sep	Total
1910	0.00	2.62	5.11	4.90	0.75	3.83	0.53	0.00	0.00	0.00	0.00	0.80	18.54
1911	0.63	0.45	0.18	8.55	4.00	7.25	1.10	0.00	0.00	0.00	0.00	0.00	22.16
1912	0.00	0.24	2.10	1.90	0.00	4.68	1.12	1.83	0.00	0.00	0.00	0.00	11.87
1913	0.00	0.87	0.00	2.50	1.54	0.90	0.25	0.13	0.10	0.15	1.90	0.00	8.34
1914	0.00	3.63	3.05	11.75	2.15	1.15	0.10	0.05	0.25	0.00	0.00	0.00	22.13
1915	0.00	0.00	5.68	5.72	6.80	0.39	2.40	1.35	0.00	0.00	0.00	0.00	22.34
1916	0.00	0.22	3.56	10.65	1.00	1.72	0.00	0.00	0.00	0.00	0.00	2.05	19.20
1917	1,81	0.44	5.76	1.75	2.27	0.00	0.63	0.18	0.00	0.00	0.00	0.00	12.84
1918	0.00	0.18	0.25	0.85	11.98	4.34	0.00	0.00	0.00	0.00	0.00	0.25	17.85
1919	0.40	2.52	0.53	0.45	2.77	1.76	0.06	0.61	0.00	0.00	0.00	0.60	9.70
1920	0.01	0.37	2.44	0.40	1.84	3.59	1.16	0.00	0.00	0.00	0.00	0.00	9.81
1921	0.70	1.15	1.93	3.19	2.09	1.46	0.27	1.37	0.00	0.00	0.00	0.17	12.33
1922	0.26	0.00	4.90	3.95	2.76	2.57	0.21	0.44	0.00	0.00	0.00	0.00	15.09
1923	0.00	2.08	3.87	2.55	1.23	0.22	4.42	0.00	0.00	0.00	0.00	0.51	14.88
1924	0.00	0.30	0.59	0.51	0.40	3.51	0.78	0.00	0.00	0.00	0.00	0.00	6.09
1925	1.08	1.17	1.68	1.89	2.24	2.77	2.86	1.58	0.22	0.00	0.00	0.00	15.49
1926	0.30	1.30	1.05	1.79	4.26	0.27	2.70	0.00	0.00	0.00	0.00	0.00	11.67
1927	0.53	2.43	0.55	1.79	5.21	2.17	1.13	0.00	0.00	0.00	0.00	0.00	13.81
1928	2.86	1.00	3.69	0.15	2.22	4.30	1.75	0.00	0.00	0.00	0.00	0.00	15.97
1929	0.14	3.10	1.22	1.90	1.40	1.54	0.75	0.00	0.22	0.00	0.00	0.00	10.27
1930	0.00	0.00	0.22	3.58	1.43	3,01	0.55	1.38	0.30	0.00	0.00	0.00	10.47
1931	0.00	1.71	0.00	3.96	1.59	0.27	0.27	1.28	0.00	0.00	0.00	0.00	9.08
1932	0.00	2.98	6.70	3.07	3.55	0.67	0.67	0.27	0.00	0.00	0.00	0.00	17.91
1933	0.00	0.00	1.20	6.07	0.20	0.30	0.19	0.09	2.53	0.00	0.00	0.00	10.58
1934	0.00	0.00	3.28	1.09	2.10	0.83	0.00	0.00	1.44	0.00	0.00	0.00	8.74
1935	2.17	4.89	2.01	3.94	1.39	3.44	2.63	0.00	0.00	0.00	0.00	0.00	20.47
1936	0.60	2.28	1.24	1.13	5.14	1.32	1.23	0.20	0.00	0.00	0.00	0.00	13.14
1937	1.33	0.00	6.30	3.51	4.62	4.32	0.47	0.00	0.00	0.00	0.00	0.00	20.55
1938	0.17	0.26	3.11	4.40	7.74	5.36	2.10	0.00	0.00	0.00	0.00	0.46	23.60
1939	0.19	0.20	1.62	3.38	2.39	2.25	0.32	0.02	0.00	0.00	0.00	0.88	11.25
1940	0.62	1.06	1.58	6.18	3.16	1.64	1.74	0.00	0.00	0.00	0.00	0.00	15.98
1941	0.72	0.04	5.34 7.39	4.37 1.69	8.46	7.36	3.65	0.08 0.42	0.00	0.14 0.00	0.11	0.00	30.27
1942 1943	0.86 0.64	0.28 1.05	7.39 3.55	7.02	1.34 1.26	1.46	4.08 1.62	0.42	0.00	0.00	0.00	0.00	17.52 19.07
1944	1.14	0.31	3.55	1.77	5.35	3.93 0.84	1.62	0.00	0.00	0.00	0.00	0.00	14.60
1945	0.40	1.99	1.74	0.56	3.47	3.66	0.09	0.15	0.00	0.00	0.00	0.00	11.93
1946	0.40	0.95	3.54	0.55	1.75	4.73	0.09	0.00	0.00	0.00	0.00	0.02	12.46
1947	0.46	4.09	1.24	0.23	0.55	1.26	0.10	0.15	0.00	0.00	0.00	0.03	8.45
1948	0.64	0.10	0.87	0.00	1.36	3.12	2.94	0.96	0.00	0.00	0.00	0.00	9.99
1949	0.09	0.00	2.82	1.37	1.77	4.07	0.06	1.07	0.00	0.00	0.00	0.00	11.25
1950	0.00	0.74	2.73	2.75	2.14	1.39	1.01	0.22	0.00	0.73	0.00	0.63	12.34
1951	1.10	3.59	1.25	2.20	1.47	0.91	1.68	0.00	0.00	0.00	0.00	0.06	12.26
1952	0.55	1.40	5.13	5.61	0.75	5.65	0.41	0.00	0.12	0.00	0.00	0.00	19.62
1953	0.13	5.38	5.17	1.70	0.00	0.82	1.83	0.01	0.00	0.00	0.00	0.00	15.04
1954	0.00	2.22	0.39	4.21	1.94	3.87	0.61	0.15	0.00	0.00	0.00	0.00	13.39
1955	0.00	1.58	2.72	5.85	2.17	0.43	1.55	1.42	0.00	0.00	0.00	0.00	15.72
1956	0.00	1.86	5.43	4.01	0.71	0.00	2.56	0.81	0.00	0.00	0.00	0.00	15.38
1957	0.66	0.00	1.00	2.32	2.61	0.87	1.45	2.06	0.24	0.00	0.00	0.04	11.25
1958	1.83	0.52	2.30	3.52	5.70	5.48	4.47	0.47	0.00	0.00	0.00	1.43	25.72
1959	0.00	0.32	0.21	1.39	4.94	0.00	0.41	0.00	0.00	0.00	0.00	0.26	7.53
1960	0.00	0.00	0.39	4.10	5.75	1.28	1.87	0.02	0.00	0.00	0.00	0.00	13.41
1961	1.94	3.28	1.23	1.10	0.13	1.16	0.29	0.14	0.09	0.00	0.00	0.00	9.36
1962	0.00	1.94	2.08	2.92	11.34	1.06	0.00	0.11	0.00	0.00	0.00	0.00	19.45
1963	0.54	0.00	0.42	1.01	4.05	3.53	3.10	0.88	0.00	0.00	0.00	0.40	13.93

STATION NAME: SUEY RANCH LOCATION: SANTA MARIA VALLEY

GAGE NO: 023.0 ELEVATION: 500 FEET BASE & MERIDIAN: SAN BERNARDINO

TOWNSHIP: 33 EAST RANGE: 11 SOUTH SECTION: 32D

LONGITUDE: 120-23 LATITUDE: 35-00

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1964	1.83	2.87	0.21	1.10	0.14	2.20	1.01	0.38	0.33	0.00	0.10	0.00	10.17
1965	1.54	2.48	2.15	1.05	0.64	1.36	3.62	0.00	0.00	0.00	0.00	0.00	12.84
1966	0.01	4.64	3.22	1.20	0.92	0.27	0.12	0.00	0.00	0.09	0.00	0.35	10.82
1967	0.00	2.56	4.08	3.63	0.43	2.90	4.81	0.34	0.37	0.00	0.00	0.17	19.29
1968	0.00	2.98	1.69	1.00	1.65	2.82	0.70	0.03	0.00	0.00	0.00	0.00	10.87
1969	2.50	1.05	2.37	8.69	7.47	1.07	1.76	0.09	0.00	0.00	0.00	0.13	25.13
1970	0.33	1.14	0.79	3.26	2.09	1.96	0.02	0.00	0.05	0.00	0.00	0.00	9.64
1971	0.10	4.15	3.49	1.08	0.18	0.52	1.17	1.34	0.00	0.00	0.00	0.05	12.08
1972	0.56	1.09	3.34	0.29	0.52	0.00	0.53	0.08	0.03	0.06	0.00	0.00	6.50
1973	0.42	4.18	1.73	4.81	7.08	4.06	0.00	0.09	0.00	0.00	0.00	0.00	22.37
1974	0.88	3.63	2.77	5.68	0.17	5.14	1.67	0.00	0.00	0.00	0.00	0.00	19.94
1975	1.66	0.52	4.57	0.15	4.28	2.98	1.11	0.00	0.00	0.00	0.00	0.00	15.27
1976	1.29	0.36	0.15	0.00	4.97	1.71	1.19	0.00	0.00	0.09	1.08	4.65	15.49
1977	0.65	0.49	1.60	0.00	0.00	0.25	0.00	2.29	0.00	0.00	0.00	0.00	5.28
1978	0.20	0.00	5.22	5.94	7.94	6.35	1.52	0.00	0.00	0.00	0.00	2.05	29.22
1979	0.00	1.51	0.49	3.57	3.98	1.36	0.00	0.00	0.00	0.00	0.00	0.20	11.11
1980	1.03	0.59	1.17	6.24	6.07	2.69	0.90	0.16	0.00	0.09	0.00	0.00	18.94
1981	0.00	0.00	1.24	4.38	2.47	5.48	0.96	0.00	0.00	0.00	0.00	0.00	14.53
1982	1.12	2.09	1.69	3.70	1.44	5.52	3.88	0.00	0.25	0.00	0.03	0.65	20.37
1983	1.89	4.25	0.84	7.20	5.58	7.18	2.92	0.01	0.00	0.00	0.50	0.06	30.43
1984	1.20	3.66	3.09	0.00	0.40	0.72	0.62	0.00	0.00	0.00	0.00	0.00	9.69
1985	1.19	2.15	3.35	0.79 1.24	1.85	2.19 5.84	0.00 0.62	0.00 0.02	0.00	0.00 0.00	0.00 0.00	0.00 1.51	11.52 17.40
1986 198 7	0.52	3.37	0.71 2.12	6.00	3.57 1.84	4.44	0.02	0.02	0.00	0.00	0.00	0.00	14.72
1988	0.00 1.02	0.32 1.21	2.12	2.14	1.78	0.58	3.55	0.06	0.00	0.00	0.00	0.00	13.15
1989	0.00	1.40	5.80	0.48	1.76	0.90	0.44	0.00	0.00	0.00	0.00	0.39	10.60
1990	0.40	0.63	0.03	3.30	1.13	0.33	0.59	0.00	0.00	0.00	0.00	0.87	7.98
1991	0.00	0.03	0.42	0.99	1.09	9.88	0.00	0.00	0.00	0.00	0.00	0.00	12,59
1992	0.55	0.21	3.13	2.24	6.93	1.66	0.00	0.00	0.00	0.76	0.00	0.00	15.58
1993	1.35	0.00	3.11	6.56	5.40	3.53	0.15	0.20	0.42	0.00	0.00	0.00	20.72
1994	0.22	1.14	1.53	2.17	3.70	1.86	1.19	0.98	0.00	0.00	0.00	0.06	12.85
1995	0.85	1.85	1.67	11.62	2.10	9.37	0.53	0.87	0.81	0.00	0.00	0.00	29.67
For 1910-95 Water \		1.00	1.01	11.02	2.10	0.07	0.00	0.01	0.01	0.00	0.00	0.00	20.0.
Sum	49.52	125.92	206.47	268.20	248.93	225.83	103.47	27.18	7.77	2.11	3.72	19.73	1288.85
N	86	86	86	86	86	86	86	86	86	86	86	86	86
Mean	0.58	1.46	2.40	3.12	2.89	2.63	1.20	0.32	0.09	0.02	0.04	0.23	14.99
Mean for 1984-95	0,50	1.40	2.40	0.12	2.00	2.00	1.20	0.02	0.00	0.02	0.01	0.20	14.00
Water Years*	0.61	1.35	2.31	3.13	2.64	3.44	0.64	0.18	0.10	0.06	0.00	0.24	14.71
Max	2.86	5.38	7.39	11.75	11.98	9.88	4.81	2.29	2.53	0.76	1.90	4.65	30.43
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.28
STD	0.66	1.41	1.80	2.63	2.52	2.19	1.23	0.54	0.33	0.11	0.24	0.63	5.59
0.5	0.00			2.00	2.02								
1996	0.02	0.40	2.08	3.83	9.14	1.79	0.97	0.47	0.01	0.00	0.00	0.00	18.71
1997	1.90	3.39	5.93	6.43	0.11	0.01	0.00	0.00	0.00	0.03	0.01	0.73	18.54
1998	0.00	4.90	3.24	5.01	14.12	3.01	2.90	3.46	0.06	0.00	0.00	0.48	37.18
1999	0.25	2.18	1.10	2.93	1.23	5.26	2.19	0.00	0.00				
For 1910-99 Water \	/ears												
Sum	51.69	136.79	218.82	286.40	273.53	235.90	109.53	31.11	7.84	2.14	3.73	20.94	1363.28
N	90	90	90	90	90	90	90	90	90	89	89	89	89
Mean	0.57	1.52	2.43	3.18	3.04	2.62	1.22	0.35	0.09	0.02	0.04	0.24	15.32
Max	2.86	5.38	7,39	11.75	14.12	9.88	4.81	3.46	2.53	0.76	1.90	4.65	37.18
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.28
STD	0.67	1.44	1.80	2.60	2.83	2.18	1.23	0.62	0.32	0.11	0.23	0.62	5.99
*Hydrologic base pe	riod for this	study											

STATION NAME: NIPOMO 2NW

LOCATION: NIPOMO 2NW

GAGE NO: 38.0 **ELEVATION: 360 FEET** BASE & MERIDIAN: SAN BERNARDINO

TOWNSHIP: 11 NORTH RANGE: 34 WEST

SECTION: 06

LONGITUDE: 120-30-00 LATITUDE: 35-04-00

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Арг	May	Jun	Jul	Aug	Sep	Total
1921	0.70	1.02	1.90	3.36	1.69	1.46	0.20	1.94	0.00	0.00	0.00	0.51	12.78
1922	0.12	0.05	4.73	3.69	3.47	3.21	0.25	0.42	0.00	0.00	0.00	0.00	15.94
1923	0.54	2.27	4.23	2.30	0.95	0.18	4.97	0.00	0.09	0.00	0.00	0.42	15.95
1924	0.11	0.28	0.31	0.85	0.50	3.45	0.61	0.00	0.00	0.14	0.00	0.00	6.25
1925	1.25	0.82	1.87	2.63	2.44	2.13	2.00	2.32	0.17	0.00	0.00	0.00	15.63
1926	0.30	0.20	2.69	1.76	3.84	0.32	2.41	0.08	0.00	0.00	0.00	0.00	11.60
1927	0.64	4.02	0.92	1.85	5.41	1.39	1.50	0.12	0.26	0.00	0.00	0.00	16.11
1928	2.62	1.55	4.01	0.18	3.84	4.12	0.15	0.75	0.00	0.00	0.00	0.00	17.22
1929	0.00	2.20	3.74	1.63	1.77	1.50	0.81	0.00	0.21	0.00	0.00	0.00	11.86
1930	0.00	0.00	0.17	3.95	1.78	2,63	0.52	0.44	0.00	0.00	0.00	0.30	9.79
1931	0.00	1.42	0.00	4.28	1.22	0.47	0.62	1.40	0.07	0.00	0.25	0.00	9.73
1932	0.36	2.95	7.63	2.91	3.43	0.26	0.40	0.18	0.00	0.00	0.00	0.00	18.12
1933	0.00	0.05	1.08	6.38	0.28	1.31	0.08	0.36	1.65	0.00	0.00	0.00	11.19
1934	0.00	0.30	2.69	1.06	3.11	0.00	0.00	0.00	0.90	0.00	0.00	0.00	8.06
1935	1.61	4.46	2,26	5.69	1.34	3.92	3.51	0.00	0.00	0.00	0.65	0.00	23.44
1936	0.70	1.84	1.79	2.21	7.43	1.45	0.00	0.00	0.00	0.00	0.00	0.00	15.42
1937	1.89	0.00	5.05	3.71	6.08	4.15	0.14	0.00	0.00	0.00	0.00	0.00	21.02
1938	0.00	0.41	4.75	2.45	7.67	5.32	1.60	0.03	0.00	0.00	0.00	0.55	22.78
1939	0.15	0.38	1.53	3.16	2.52	2.64	0.41	0.00	0.00	0.00	0.00	0.40	11.19
1940	1.19	0.96	1.75	6.53	4.35	1.12	1.59	0.00	0.00	0.00	0.00	0.00	17.49
1941	0.63	0.23	6.45	5.41	7.25	7.45	3.67	0.00	0.00	0.00	0.00	0.00	31.09
1942	0.95	0.30	8.57	1.97	1.16	1.63	3.91	0.37	0.00	0.00	0.00	0.00	18.86
1943	0.62	1.24	2.86	6.91	1.40	4.37	0.88	0.00	0.00	0.00	0.00	0.00	18.28
1944	0.99	0.30	3.90	1.28	4.82	0.61	1.52	0.15	0.00	0.00	0.00	0.00	13.57
1945	0.00	3.09	1.76	0.24	5.31	3.96	0.10	0.12	0.00	0.00	0.58	0.00	15.16
1946	0.59	0.74	3,23	0.49	1.66	3.69	0.20	0.17	0.00	0.00	0.00	0.00	10.77
1947	0.40	4.81	2.42	0.22	1.01	1.63	0.39	0.30	0.05	0.00	0.00	0.00	11.23
1948	0.93	0.16	1.05	0.05	1.71	4.30	2.45	0.90	0.00	0.00	0.00	0.00	11.55
1949	0.10	0.00	2.89	1.45	2.64	3.88	0.09	1.04	0.00	0.00	0.00	0.00	12.09
1950	0.10	1.37	4.21	3.15	2.81	1.82	0.70	0.00	0.00	0.55	0.00	0.00	14.71
1951	1.42	2.55	1.47	2.26	1.11	0.87	1.22	0.03	0.00	0.00	0.00	0.11	11.04
1952	0.55	2.03	6.19	7.15	0.82	5.36	1.11	0.00	0.27	0.00	0.00	0.00	23.48
1953	0.00	3.76	5.23	1.97	0.00	0.81	1.88	0.00	0.00	0.00	0.00	0.00	13.65
1954	0.00	2.45	0.30	4.66	2.12	4.20	1.05	0.22	0.00	0.00	0.00	0.00	15.00
1955	0.00	1.48	1.91	4.78	2.14	0.25	2.02	1.42	0.00	0.00	0.00	0.00	14.00
1956	0.00	2.08	6.94	5.86	0.75	0.00	1.88	0.86	0.00	0.00	0.00	0.00	18.37
1957	0.57	0.00	0.95	2.90	2.41	1.12	1.69	1.48	0.15	0.00	0.00	0.00	11.27
1958	2.00	0.59	2,38	4.12	6.09	6.11	5.32	0.16	0.00	0.00	0.00	1.60	28.37
1959	0.00	0.17	0.17	2.21	4.63	0.00	1.35	0.05	0.00	0.00	0.00	0.70	9.28
1960	0.01	0.00	0.57	4.29	6.39	1.24	2.94	0.02	0.00	0.00	0.00	0.00	15.46
1961	0.78	4.66	1.27	0.90	0.48	1.42	0.28	0.11	0.00	0.03	0.00	0.00	9.93
1962	0.00	2.56	1.77	3.96	12.25	1.71	0.10	0.21	0.01	0.00	0.00	0.00	22.57
1963	0.80	0.00	0.69	1.10	4.88	3.66	3.31	0.58	0.00	0.00	0.00	0.43	15.45
1964	1.68	3.37	0.25	1.35	0.05	2.45	1.50	0.48	0.25	0.02	0.00	0.18	11.58
1965	1.99	2.54	3.30	2.82	0.58	1.72	3.99	0.00	0.00	0.00	0.00	0.00	16.94
1966	0.03	7.49	3.77	1.47	1.06	0.23	0.11	0.00	0.02	0.10	0.20	0.50	14.98
1967	0.00	3.12	4.34	3.92	0.61	3.65	5.92	0.28	0.35	0.00	0.00	0.59	22.78
1968	0.00	2.86	1.84	1.12	1.32	2.71	0.84	0.09	0.00	0.00	0.00	0.00	10.78
1969	2.72	1.38	2.53	11.21	7.68	1.59	2.05	0.01	0.04	0.16	0.00	0.08	29.45
1970	0.49	0.92	1.13	3.94	1.54	3.50	0.06	0.00	0.05	0.00	0.00	0.00	11.63
1971	0.17	4.41	5.06	1.78	0.17	0.64	1.17	1.09	0.00	0.00	0.00	0.07	14.56
1972	0.20	1.55	3.86	0.31	0.47	0.00	0.60	0.00	0.00	0.00	0.00	0.03	7.02
1973	1.23	4.68	2.43	6.46	6.21	4.50	0.03	0.01	0.02	0.00	0.00	0.02	25.59
1974	0.82	3.76	3.49	6.31	0.16	6.35	1.79	0.00	0.00	0.06	0.00	0.00	22.74

STATION NAME: NIPOMO 2NW

LOCATION: NIPOMO 2NW

GAGE NO: 38.0 ELEVATION: 360 FEET BASE & MERIDIAN: SAN BERNARDINO

TOWNSHIP: 11 NORTH

RANGE: 34 WEST SECTION: 06

LONGITUDE: 120-30-00 LATITUDE: 35-04-00

Water Year	Oct	Nov	Dec	Jan	Feb	Маг	Apr	May	Jun	Jul	Aug	Sep	Total
1975	1.31	0.45	5.12	0.16	4.57	3.01	1.14	0.02	0.00	0.00	0.00	0.00	15.78
1976	1.39	0.21	0.19	0.00	3.69	2.49	0.69	0.00	0.07	0.00	1.09	3.30	13.12
1977	1.54	0.91	1.80	1.36	0.08	1.68	0.02	2.81	0.00	0.00	0.02	0.09	10.31
1978	0.02	0.28	6.19	6.88	7.90	6.17	3.85	0.00	0.02	0.00	0.00	1.40	32.71
1979	0.00	1.66	1.25	4.44	4.86	4.27	0.32	0.04	0.00	0.00	0.00	0.23	17.07
1980	1.13	0.69	2.18	5.18	5.51	2.40	0.89	0.57	0.00	0.00	0.00	0.00	18.55
1981	0.00	0.00	1.83	4.09	2.53	6.67	0.57	0.00	0.00	0.00	0.00	0.00	15.69
1982	1,25	2.71	1.92	3.56	1.37	5.14	4.08	0.00	0.04	0.00	0.12	0.66	20.85
1983	1.41	4.12	2.72	7.19	10.06	8.51	2.80	0.19	0.01	0.00	0.68	0.06	37.75
1984	2.02	3.80	3.89	0.09	0.55	0.86	0.57	0.00	0.00	0.00	0.00	0.02	11.80
1985	1.40	3.19	2.87	1.03	2.04	1.96	0.35	0.00	0.00	0.00	0.01	0.07	12.92
1986	0.96	3.90	1.05	1.31	5.29	5.73	0.61	0.00	0.00	0.04	0.00	2.00	20.89
1987	0.00	0.23	1.89	2.35	2.53	4.66	0.44	0.00	0.03	0.00	0.00	0.00	12.13
1988	1.62	1.22	3.59	2.17	2.06	0.58	3.29	0.16	0.04	0.00	0.00	0.00	14.73
1989	0.00	1.79	6.28	0.67	1.05	1.64	0.35	0.08	0.00	0.00	0.00	1.04	12.90
1990	0.79	0.42	0.06	2.11	1.86	0.48	0.40	0.87	0.00	0.00	0.00	0.74	7.73
1991	0.00	0.32	0.58	1.14	1.81	12.04	0.33	0.00	0.20	0.00	0.05	0.00	16.47
1992	0.51	0.45	3.88	2.12	8.02	2.17	0.03	0.00	0.00	0.84	0.00	0.00	18.02
1993	1.33	0.00	3.81	6.02	5.40	4.95	0.18	0.30	0.21	0.00	0.00	0.00	22.20
1994	0.31	1.56	1.67	2.67	3.48	1.76	1.10	0.82	0.00	0.00	0.00	0.50	13.87
1995	0.98	1.95	1.25	12.57	2.00	10.02	0.77	1.19	0.74	0.00	0.00	0.00	31.47
For 1921-95 Water													
Sum	50.92	125.69	206.30	235,71	233.47	215.65	100.67	25.24	5.92	1.94	3.65	16.60	1221.76
N	75	75	75	75	75	75	75	75	75	75	75	75	75
Mean	0.68	1.68	2.75	3.14	3.11	2.88	1.34	0.34	0.08	0.03	0.05	0.22	16.29
Mean for 1984-95													
Water Years*	0.83	1.57	2.57	2.85	3.01	3.90	0.70	0.29	0.10	0.07	0.01	0.36	16.26
Max	2.72	7.49	8.57	12.57	12.25	12.04	5.92	2.81	1.65	0.84	1.09	3.30	37.75
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.25
STD	0.69	1.59	1.93	2.47	2.60	2.40	1.40	0.57	0.24	0.12	0.18	0.52	6.28
1996	0.03	0.58	2.37	3.65	8.54	1.68	1.03	0.69	0.00	0.00	0.00	0.00	18.57
1997	2.28	4.89	8.08	7.65	0.11	0.00	0.00	0.00	0.00	0.06	0.00	0.31	23.38
1998	0.03	5.42	3.39	5.42	13.67	4.09	3.68	2.99	0.06	0.00	0.00	0.30	39.05
1999	0.30	2.44	1.04	2.95	1.65	4.85	2.26	0.00	0.02	0.00	0.02	0.00	15.53
2000	0.00	1.73	0.04	2.55	10.04	1.81	3.34	0.08	0.30	0.00	0.00	0.04	19.93
For 1921-2000 Wate	er Years												
Sum	53,56	140.75	221.22	257.93	267.48	228.08	110.98	29.00	6.30	2.00	3.62	17.25	1338.17
N	80	80	80	80	80	80	80	80	80	80	80	80	80
Mean	0.67	1.76	2.77	3.22	3.34	2.85	1.39	0.36	0.08	0.03	0.05	0.22	16.73
Max	2.72	7.49	8.57	12.57	13.67	12.04	5.92	2.99	1.65	0.84	1.09	3.30	39.05
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.25
STD	0.71	1.65	2.01	2.47	2.98	2.38	1.42	0.63	0.23	0.11	0.17	0.51	6.69

STATION NAME: RUNELS RANCH LOCATION: ARROYO GRANDE

GAGE NO: 42.1

ELEVATION: 70.0 FEET

BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 32 SOUTH RANGE: 13 EAST

SECTION: 28B

LONGITUDE: 120-35-00

LATITUDE: 35-07-0	00
RECORD BEGAN:	1925

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1925	1.53	4.14	2.36	6.25	1.12	4.62	2.86	0.00	0.00				
1926										0.00	0.00	0.00	
1927	0.90	3.33	1.07	1.77	4.15	1.44	1.26	0.00	0.51				
1928			ř.							0.00	0.00	0.00	
1929	0.00	2.25	4.32	2.41	1.78	1.44	0.58	0.00	0.22	0.00	0.00	0.00	13.00
1930	0.00	0.00	0.11	4.47	1.70	3.30	0.54	0.40	0.00	0.00	0.00	0.23	10.75
1931	0.00	1.55	0.00	5.28	1.42	0.26	0.06	1.32	0.00	0.00	0.00	0.00	9.89
1932	0.00	3.03	7.68	3,38	4.87	0.31	0.42	0.15	0.00	0.00	0.00	0.00	19.84
1933	0.00	0.08	1.73	6.97	0.35	1.14	0.12	0.41	1.73	0.00	0.00	0.00	12.53
1934	0.32	0.00	3.04	3.26	0.12	0.00	0.00	0.00	0.92	0.00	0.78	0.24	8.68
1935	1.08	2.00	0.91	1.44	4.99	1.53	0.88	0.00	0.00	0.00	0.00	0.00	12.83
1936	1.37	0.00	5.75	4.33	6.74	4.04	0.24	0.00	0.00				
1937													
1938													
1939										0.00	0.00	0.64	
1940	0.21	0.21	1.51	2.93	2.26	2.31	0.06	0.00	0.00	0.00	0.00	0.75	10.24
1941	1.12	1.20	0.62	5.98	4.19	1.26	1.73	0.00	0.00	0.00	0.00	0.00	16.10
1942	0.73	0.23	6.47	6.19	7.08	10.15	4.06	0.00	0.00	0.00	0.00	0.00	34.91
1943	1.07	0.63	9.53	1.31	0.38	1.82	3.57	0.00	0.00	0.00	0.00	0.00	18.31
1944	0.96	1.48	3.05	5.70	1.77	4.92	1.12	0.00	0.00	0.00	0.00	0.00	19.00
1945	0.96	0.20	3.68	1.30	6.05	0.49	1.68	0.14	0.00	0.00	0.00	0.00	14.50
1946	1.04	0.40	2.93	0.47	1.48	3.41	0.03	0.20	0.00	0.15	0.00	0.34	10.45
1947	0.33	4.10	1.30	0.23	0.81	1.43	0.42	0.00	0.00	0.00	0.00	0.02	8.64
1948	1.29	0.15	1.05	0.00	1.76	3.46	2.27	0.92	0.00	0.00	0.00	0.00	10.90
1949	0.08	0.00	2.98	1.51	2.52	4.64	0.16	0.83	0.00	0.00	0.00	0.00	12.72
1950	0.00	0.98	2.95	3.07	2.63	1.20	0.86	0.12	0.00	0.00	0.00	0.00	11.81
1951	1.36	2.09	1.93	2.37	0.99	0.95	1.17	0.00	0.00	0.00	0.00	0,00	10.86
1952	0.64	1.69	4.90	5.89	0.72	5.65	0.96	0.00	0.42	0.00	0.00	0.00	20.87
1953	0,00	3.31	5.25	1.53	0.00	0.55	1.78	0.15	0.00	0.00	0.00	0.00	12.57
1954	0.00	2.77	0.26	4.76	6.76	3.76	0.95	0.00	0.00	0.00	0.00	0.00	19.26
1955	0.00	1.57	1.61	5.28	1.48	0.18	1.88	1.20	0.00	0.00	0.00	0.00	13,20
1956	0,00	2.42	7.32	5.03	0.75	0.00	2.20	0.82	0.00	0.00	0.00	0.00	18.54
1957	0.44	0.00	0.53	3.32	2.53	1.55	1.53	1.25	0.28	0.00	0.00	0.00	11.43
1958	1.63	0.30	2.72	3.27	5.90	6.14	4.77	0.00	0.00	0.00	0.00	0.70	25.43
1959	0.00	0.40	0.28	3.15	4.11	0.00	0.47	0.00	0.00	0.00	0.00	0.55	8.96
1960	0.00	0.00	0.00	4.37	5.80	1.30	2.88	0.00	0.00	0.00	0.00	0.00	14.35
1961	0.75	6.20	1.75	1.10	0.50	1.28	0.25	0.00	0.00	0.00	0.00	0.00	11.83
1962	0.00	2.45	1.98	4.00	11.53	1.45	0.00	0.00	0.00	0.00	0.00	0.00	21.41
1963	0.73	0.00	1.00	0.80	4.90	3.95	4.15	0.30	0.00	0.00	0.00	0.50	16.33
1964	2.05	3.05	0.30	1.68	0.00	2.40	0.70	0.40	0.20	0.00	0.00	0.25	11.03
1965	1.90	3.10	3.80	2.70	0.30	1.90	1.80	0.00	0.00	0.00	0.00	0.00	15.50
1966	0.00	7.15	3.65	0.70	1.15	0.25	0.00	0.00	0.00	0.00	0.00	0.90	13.80
1967	0.00	3.30	4.25	3.90	0.70	4.50	4.35	0.30	0.18	0.00	0.00	0.40	21.88
1968	0.00	4.05	2.05	0.83	0.40	2.68	0.80	0.00	0.00	0.00	0.00	0.00	10.81
1969	2.65	1.70	3.30	12.00	9.60	1.50	2.65	0.00	0.00	0.00	0.00	0.00	33.40
1970	0.75	1.40	1.60	4.70	2.70	2.65	0.00	0.00	0.00	0.00	0.00	0.00	13.80
1971	0.00	5.35	5.28	2.10	0.20	0.70	1.25	1.50	0.00	0.00	0.00	0.18	16.56
1972	0.00	1.20	5.00	0.50	0.70	0.45	0.00	0.00	0.00	0.00	0.00	0.00	7.85
1973	1.90	5.40	1.80	6.90	7.10	4.10	0.00	0.00	0.00	0.00	0.00	0.00	27.20
1974	0.75	3.65	3.40	7.70	0.00	7.00	1.45	0.00	0.00	0.00	0.00	0.00	23.95
1975	1.30	0.50	4.10	0.10	4.25	2.95	1.05	0.00	0.00	0.00	0.00	0.00	14.25
1976	1.60	0.35	0.20	0.00	4.60	2.05	0.50	0.00	0.00	0.10	1.20	3.60	14.20
1977	0.20	0.85	1.50	1.90	0.00	2.15	0.00	3.00	0.00	0.00	0.00	0.00	9.60
1978	0.00	0.50	7.30	7.45	8.75	6.05	4.95	0.00	0.00	0.00	0.00	1,40	36.40

STATION NAME: RUNELS RANCH LOCATION: ARROYO GRANDE

GAGE NO: 42.1

ELEVATION: 70.0 FEET

BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 32 SOUTH RANGE: 13 EAST

SECTION: 28B

LONGITUDE: 120-35-00 LATITUDE: 35-07-00

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1979	0.00	2.65	1.65	4.90	6.25	3.95	0.55	0.00	0.00	0.00	0.00	0.20	20.15
1980	1.10	0.80	2.40	6.40	6.95	2.70	0.95	0.50	0.00	0.00	0.00	0.00	21.80
1981	0.00	0.00	2.35	4.00	2.80	8.30	0.60	0.00	0.00				
Sum	32.74	94.16	146.50	181.58	160.59	136.21	67.51	13.91	4.46	0.25	1.98	10.90	772.32
N	52	52	52	52	52	52	52	52	52	51	51	51	48
Mean	0.63	1.81	2.82	3.49	3.09	2.62	1.30	0.27	0.09	0.00	0.04	0.21	16.09
Max	2.65	7.15	9.53	12.00	11.53	10.15	4.95	3.00	1.73	0.15	1.20	3.60	36.40
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.85
STD	0.69	1.77	2.19	2.46	2.84	2,21	1.34	0.55	0.28	0.02	0.20	0.56	6.73

STATION NAME: HUASNA VALLEY

LOCATION: NIPOMO 8 NE

GAGE NO: 51.0 ELEVATION: 715 FEET BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 32 SOUTH RANGE: 15 EAST

SECTION: 32

LONGITUDE: 35-06-00 LATITUDE: 120-23-00

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1930	0.00	0.00	0.16	4.86	2.12	4.51	0.63	0.56	0.20	0.00	0.00	0.47	13.51
1931	0.00	1.85	0.00	4.93	1.33	0.45	0.75	1.34	0.06	0.15	0.07	0.07	11.00
1932	0.00	3.70	9.85	3.02	5.51	0.25	0.64	0.51	0.00	0.00	0.00	0.04	23.52
1933	0.00	0.20	1.51	10.45	0.12	0.98	0.18	0.87	1.25	0.00	0.00	0.00	15.56
1934	0.70	0.00	5.85	0.06	3.43	0.36	0.00	0.25	1.17	0.00	0.00	0.00	11.82
1935	3.39	3.73	2.43	5.83	1.56	4.22	4.93	0.00	0.00	0.00	1.22	0.00	27.31
1936	1.01	1.35	2.00	2.00	12.94	2.29	1.28	0.10	0.00	0.00	0.00	0.15	23.12
1937	2.58	0.00	6.54	5.54	9.36	6.11	0.33	0.00	0.00	0.00	0.00	0.00	30.46
1938	0.18	0.80	6.12	4.89	10.25	6.41	3.00	0.10	0.00	0.00	0.00	0.63	32.38
1939	0.21	0.30	1.57	4.13	3.16	2.61	0.25	0.00	0.00	0.00	0.00	0.50	12.73
1940	0.99	1.09	2.29	8.27	5.10	2.08	0.86	0.00	0.00	0.00	0.00	0.00	20.68
1941	0.60	0.20	7.24	5.69	11.93	7.83	4.05	0.19	0.00	0.03	0.05	0.00	37.81
1942	1.00	0.37	9.73	1.66	1.72	2.15	4.27	0.54	0.00	0.00	0.00	0.00	21.44
1943	0.40	1.81	2.94	12.48	2.09	7.04	1.38	0.00	0.00	0.00	0.00	0.00	28.14
1944	1.20	0.46	5.04	2.02	6.71	1.67	3.00	0.25	0.00	0.00	0.00	0.00	20.35
1945	0.56	4.76	1.78	0.68	5.17	5.69	0.15	0.10	0.05	0.00	0.00	0.05	18.99
1946	1.44	0.73	4.14	0.57	2.56	6.16	0.13	0.15	0.00	0.00	0.00	0.00	15.88
1947	0.48	6.64	3.04	0.90	0.60	1.95	0.32	0.18	0.08	0.00	0.00	0.00	14.19
1948	0.78	0.10	1.15	0.07	2.54	4.81	3.33	0.13	0.00	0.00	0.00	0,00	12.91
1949	0.23	0.00	3.90	1.79	3.24	4.73	0.09	0.94	0.03	0.00	0.00	0.00	14.95
1950	0.00	2.67	2,92	4.57	3.60	2.43	1.16	0.00	0.00	0.65	0.00	0.02	18.02
1951	2.54	5,62	1.81	2.12	1.19	1.24	1.73	0.08	0.00	0.00	0.00	0.09	16.42
1952	0.86	2.36	7.51	7.55	1.37	6.79	1.28	0.04	0.04	0.00	0.00	0.00	27.80
1953	0.16	3.28	7.27	2.71	0.00	1.60	2.34	0.00	0.00	0.00	0.00	0.00	17.36
1954	0.00	2.35	0.42	4.11	2.82	5.44	1.01	0.23	0.00	0.00	0.00	0.00	16.38
1955	0.00	1.86	2.29	6.20	2.35	0.24	2.62	0.39	0.00	0.00	0.00	0.00	15.95
1956	0.00	1.64	6.96	5.03	0.66	0.00	2.79	0.90	0.00	0.00	0.00	0.00	17.98
1957	0.48	0.00	0.85	3.60	2.65	0.63	2.34	2.03	0.04	0.00	0.00	0.00	12.62
1958	2.08	0.59	4.25	5.12	7.30	8.28	5.93	0.28	0.00	0.00	0.00	0.89	34.72
1959	0.00	0.20	0.16	2.03	5.77	0.00	0.57	0.00	0.00	0.00	0.00	0.62	9.35
1960	0,00	0.00	0.50	3.92	6.81	1.66	3.20	0.00	0.00	0.00	0.00	0.00	16.09
1961	1.26	4.98	1.23	1.72	0.07	1.42	0.33	0.16	0.00	0.00	0.00	0.00	11.17
1962	0.00	3.30	2.08	4.47	12.23	1.97	0.04	0.09	0.00	0.00	0.00	0.00	24.18
1963	0.77	0.00	0.44	1.79	4.51	3.14	3.88	0.58	0.00	0.00	0.22	0.40	15.73
1964	1.30	3.47	0.15	2.20	0.03	3.26	0.40	0.24	0.28	0.04	0.18	0.00	11.55
1965	1.68	2.70	2.59	2.91	0.72	2.24	4.13	0.00	0.00	0.00	0.00	0.00	16.97
1966	0.00	6.87	3.61	1.36	0.91	0.11	0.07	0.00	0.00	0.04	0.00	0.74	13.71
1967	0.00	3.43	8.82	5,51	0.64	4.42	6.25	0.21	0.17	0.00	0.00	0.88	30.33
1968	0.00	3.68	1.68	1.40	1.06	3.15	0.98	0.05	0.00	0.00	0.00	0.00	12.00
1969	2.23	1.19	2.46	15.36	10.41	0.97	2.30	0.00	0.04	0.00	0.00	0.00	34.96
1970	0.43	0.68	0.73	4.36	2.88	2.51	0.05	0.00	0.03	0.00	0.00	0.00	11.67
1971	0.15	4.64	4.95	2.23	0.10	1.20	1.24	1.15	0.00	0.00	0.00	0.13	15.79
1972	0.05	1.13	4.12	0.26	0.57	0.00	0.65	0.35	0.05	0.00	0.00	0.05	7.23
1973	1.93	4.52	1.97	5.93	8.44	4.05	0.00	0.00	0.00	0.00	0.00	0.00	26.84
1974	0.66	4.06	2.67	5.65	0.23	5.89	1.23	0.00	0.00	0.00	0.00	0.00	20.39
1975	1.22	0.30	3.87	0.15	4.40	3.27	1.55	0.00	0.00	0.00	0.00	0.00	14.76
1976	1.76	0.34	0.17	0.00	4.96	1.52	1.27	0.03	0.00				
Sum	35.31	93.95	153.76	182.10	178.12	139.73	78.91 47	13.02 47	3.49 47	0.91 46	1.74 46	5.73 46	876.72 46
N	47	47	47	47 2 97	47 3.79	47 2.97	1.68	0.28	0.07	0.02	0.04	0.12	46 19.06
Mean	0.75	2.00	3.27	3.87					1.25				37.81
Max Min	3.39	6.87	9.85 0.00	15.36 0.00	12.94 0.00	8.28	6.25 0.00	2.03 0.00	0.00	0.65 0.00	1.22 0.00	0.89 0.00	7.23
Min	0.00	0.00			3.55	0.00 2.30	1.63	0.00	0.00	0.00	0.00	0.00	7.23 7.44
STD	0.84	1.93	2.65	3.16	3.55	2.30	1.03	0.42	0.25	0.10	0.10	0.25	1.44

STATION NAME: UNION OIL COMPANY

LOCATION: SAN LUIS OBISPO

GAGE NO: 54.0

ELEVATION: 118.0 FEET

BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 31 SOUTH RANGE: 12 EAST

SECTION: 11D

LONGITUDE: 35-14-50 LATITUDE: 120-39-49

RECORD BEGAN: 1931

May Jun Jul Total Water Year Oct Nov Dec Jan Feb Mar Арг Aug Sep 1931 0.03 1.90 0.54 6.34 1.85 0.46 0.40 2.16 0.14 0.00 0.00 0.00 13.82 0.00 0.00 0.01 26.13 1932 2.78 3.00 5.60 0.55 0.39 0.21 0.00 0.09 13.50 0.00 0.00 0.00 15.42 1933 0.02 0.28 2.02 0.24 1.36 9.05 1.07 0.15 1 23 1934 0.55 1.60 4.01 0.090.00 0.56 1.85 0.00 0.00 0.07 12.34 0.00 3.61 1935 1 24 0.60 2.41 5.79 0.96 4.18 4.74 0.05 0.00 0.00 1.07 0.00 21.04 1936 0.48 1.72 2.92 2.49 10.64 1.53 1.76 0.00 0.20 0.23 0.00 0.18 22.15 29.09 1937 1.43 0.10 7.15 6.77 8.23 5.09 0.32 0.00 0.00 0.00 0.00 0.00 5.33 0.05 0.00 0.00 0.00 0.62 23.90 1938 0.07 0.92 3.49 2.55 9.57 1.30 1939 0,33 0.41 1.39 3.29 2.19 1.68 0.00 0.00 0.00 0.03 0.00 0.67 9.99 1940 1,07 2.25 8.37 6.30 2.12 1.41 0.00 0.00 0.00 0.00 0.00 22.51 0.99 1941 0.00 0.21 7.96 7.19 11.08 7.69 3.64 0.00 0.00 0.00 0.00 0.00 37.77 0.00 0.00 0.00 0.00 22.34 1942 1,25 1.10 10.41 2.19 1.28 2.35 3.76 0.00 1.01 1943 0.62 1.42 2.06 8.34 2.77 7.33 0.220.00 0.00 0.00 0.00 23.77 0.00 0.00 0.00 16.50 2.06 0.14 0.00 1944 0.90 0.34 1.84 1.75 8.19 1.28 0.00 0.00 0.00 0.00 0.00 18.13 0.44 3.96 1.95 1.28 4.57 5.81 0.12 1945 1946 0.99 0.46 8.25 0.00 2,23 4.91 0.00 0.23 0.00 0.00 0.00 0.00 17.07 0.00 0.00 0.00 12.37 1947 0.10 5.91 2.49 0.56 0.95 1.80 0.21 0.35 0.00 0.51 1.21 0.03 5,15 3.36 0.95 0.00 0.00 0.00 0.00 13.01 1948 0.00 1.80 1949 0.10 0.00 1.79 2.37 3.12 3.10 0.08 0.08 0.00 0.00 0.01 0.00 10.65 1950 0.00 1.78 4.29 4.66 4.14 1.94 1.35 0.11 0.00 0.00 0.00 0.00 18.27 0.00 0.00 11.33 1951 1.52 2.22 3.15 1.42 0.32 1.29 1.29 0.12 0.00 0.00 0.00 25.15 3.41 0.50 0.02 0.04 0.00 0.00 1952 2.17 8.80 8.46 0.62 1.13 0.00 0.00 0.00 0.00 18.53 0.00 3.54 3.13 0.00 1.81 2.83 0.09 1953 7.13 1954 0.00 4.15 0.27 4.77 3.92 5.33 1.81 0.00 0.00 0.00 0.00 0.00 20.25 1955 0.00 0.47 2.47 2.73 1.94 0.08 3.17 0.57 0.00 0.00 0.00 0.00 11.43 0.00 14.53 1956 0.00 1.80 3.88 4.18 1.38 0.00 3.29 0.00 0.00 0.00 0.00 0.07 0.00 0.00 0.00 15.63 1957 0.76 0.00 0.65 5.15 3.71 0.58 2.39 2.32 1958 1.54 0.45 3.80 4.47 8.42 8.38 6.04 0.30 0.00 0.00 0.00 0.96 34.36 1959 0.00 0.32 0.30 2.87 5.32 0.00 0.49 0.02 0.00 0.00 0.00 0.71 10.03 0.00 16.42 1960 0.00 0.00 0.62 4.16 7.40 1.35 2.88 0.01 0.00 0.000.00 0.00 0.00 0.00 0.00 0.00 9.58 1961 0.18 3.66 1.34 2.24 0.43 1.52 0.21 0.00 4.30 1.69 5.34 1.91 0.00 0.00 0.00 0.00 0.00 0.00 25.13 1962 11.89 0.00 0.00 0.00 18.42 1.23 0.03 2.40 2.78 3.81 4.88 2.97 0.32 0.00 1963 1.81 0.09 0.00 0.98 0.28 0.00 0.11 0.00 12.91 1964 4.28 0.18 1.75 3.43 1965 1.76 3.51 2.04 5.69 0.53 2.86 3.89 0.00 0.00 0.00 0.00 0.00 20.28 1966 0.00 7.09 3.58 2.12 0.980.40 0.05 0.00 0.00 0.02 0.00 0.99 15.23 0.00 0.77 30.99 1967 0.00 4.64 8.66 5.16 0.65 4.32 6.74 0.00 0.05 0.00 2.31 2.95 1.15 0.00 0.00 0.00 0.00 13.99 1968 0.02 3.13 2.89 1.43 0.11 1969 2.49 19.60 11.16 0.66 2.74 0.00 0.00 0.00 0.00 0.05 40.05 1.11 2.24 1970 0.51 0.93 1.16 6.83 2.33 2,08 0.28 0.00 0.00 0.00 0.00 0.00 14.12 16.85 1971 0.10 5.18 6.42 1.88 0.34 0.84 1.32 0.71 0.00 0.00 0.00 0.06 1972 0.00 5.87 0.96 0.00 0.05 0.000.00 0.00 0.00 10.19 1.46 0.71 1.14 1973 0.00 0.00 0.00 0.00 0.040.03 29.70 2.46 4.34 1.21 9 17 8 19 4.26 1974 1 28 4.75 1.95 7 44 0.22 7.37 1.84 0.00 0.00 0.02 0.00 0.00 24.87 1975 1.20 0.80 3.77 0.25 6.75 4.97 1.30 0.00 0.00 0.00 0.00 0.05 19.09 1976 1.18 0.28 0.07 0.00 5.26 1.22 1.23 0.00 0.00 0.00 1.06 2.68 12.98 1977 0.10 1.54 0.00 3.19 0.00 0.00 0.00 0.00 9.47 0.87 2.00 1.64 0.13 1978 0.23 0.00 8.73 9.21 13.20 6.62 4.56 0.00 0.00 0.00 0.00 1.02 43.57 1979 0.00 2.24 1.48 5.07 4.92 3.51 0.22 0.09 0.00 0.00 0.00 0.04 17.57 1980 0.84 8.05 9.57 2.48 0.29 0.00 0.00 0.00 0.00 26.34 0.63 3.56 0.92 1981 8.18 3.32 0.00 0.08 0.00 0.84 1982 1.82 1.50 0.06 2.14 1.33 0.13 19.40 1.63 6.64 4.91 8.04 6.28 11.34 2.57 0.38 0.00 0.00 0.53 2.59 44.91 1983 1984 0.55 2.82 2.02 0.09 0.47 0.66 0.67 0.00 0.00 0.00 0.00 0.00 7.28

STATION NAME: UNION OIL COMPANY

LOCATION: SAN LUIS OBISPO

GAGE NO: 54.0

ELEVATION: 118.0 FEET

BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 31 SOUTH

RANGE: 12 EAST SECTION: 11D

LONGITUDE: 35-14-50 LATITUDE: 120-39-49

Water Year	Oct	Nov	Dec	Jan	Feb	Маг	Apr	May	Jun	Jul	Aug	Sep	Total
1985	0.94	4.35	3.68	1.07	2.33	3.21	0.33	0.00	0.00	0.00	0.00	0.00	15.91
1986	1.14	2.51	3.45	2.93	3.78	5.18	0.00	0.00	0.00	0.00	0.00	0.00	18.99
1987													
1988	2.83	1.90	4.85	2.55	1.45	0.15	3.70	0.20	0.20				
1989													
1990													
1991										0.05	0.00	0.00	
1992	0.72	0.65	4.29	3.50	9.65	2.58	0.06	0.00	0.00	0.18	0.00	0.00	21.63
1993	1.71	0.00	4.52	8.83	8.04	3.80	0.00	0.23	0.00	0.00	0.00	0.00	27.13
1994	0.20	1.33	1.26	3.57	4.93	1.65	1.28	0.88	0.00	0.00	0.00	2.23	17.33
1995	1.12	2.01	1.12	5.21	2.40	16.91	0.87	0.75	0.40	0.00	0.00	0.00	30.79
For 1931-95 Water \	r'ears												
Sum	41.84	118.03	203.59	254.38	246.04	197.17	94.11	17.97	5.33	0.53	2.95	14.57	1178.63
N	60	60	60	60	60	60	60	60	60	60	60	60	59
Mean	0.70	1.97	3.39	4.24	4.10	3.29	1.57	0.30	0.09	0.01	0.05	0.24	19.98
Max	2.83	7.09	13.50	19.60	13.20	16.91	6.74	3.19	2.02	0.23	1.07	2.68	44.91
Min	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.28
STD	0.69	1.83	2.81	3.34	3.60	3.06	1.62	0.60	0.35	0.04	0.20	0.59	8.47
1996	0.00	0.00	3.50	7.40	6.93	1.70	1,60	0.85	0.00				

STATION NAME: UNION OIL COMPANY

LOCATION: AVILA BEACH

GAGE NO: 55.0

ELEVATION: 115.0 FEET

BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 31 SOUTH RANGE: 12 EAST

SECTION: 36Q

LONGITUDE: 35-10-40 LATITUDE: 120-43-32

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1931	0.02	1.58	0.45	5.26	1.54	0.38	0.10	1.32	0.00	0.00	0.00	0.00	10.65
1932	0.12	1.69	7.87	2.75	4.80	0.25	0.28	0.26	0.00	0.00	0.00	0.00	18.02
1933	0.05	0.12	1.81	6.54	0.42	1.66	0.00	1.07	1.96	0.00	0.00	0.00	13.63
1934	0.36	0.00	2.88	0.80	3.39	0.00	0.00	0.02	1.75	0.00	0.00	0.00	9.20
1935	1.47	0.76	2.48	5.48	0.81	4.35	4.60	0.05	0.00	0.00	0.75	0.02	20.77
1936	0.45	1.62	1.97	2.60	7.85	1.15	1.26	0.01	0.09	0.15	0.00	0.22	17.37
1937	1.20	0.00	4.72	5.25	7.85	4.24	0.24	0.00	0.00	0.00	0.00	0.00	23.50
1938	0.19	0.69	2.23	3.20	6.40	4.57	1.81	0.01	0.00	0.00	0.00	0.67	19.77
1939	0.44	0.26	1.00	2.99	3.26	1.53	0.00	0.00	0.00	0.00	0.00	0.71	10.19
1940	0.81	0.66	1.59	7.80	4.64	3.37	0.47	0.00	0.00	0.00	0.00	0.00	19.34
1941	0.21	0.17	6.60	5.97	9.20	6.38	3.02	0.00	0.00	0.00	0.00	0.00	31.55
1942	1.46	0.87	8.89	2.21	1.02	2.58	0.00	0.00	0.00	0.00	0.00	0.00	17.03
1943	0.46	1.36	3.51	6.10	1.62	7.61	1.21	0.00	0.00	0.00	0.00	0.00	21.87
1944	1.22	0.41	3.60	1.81	5.91	1.20	1.31	0.18	0.00	0.00	0.00	0.00	15.64
1945	1.36	3.82	2.12	1.86	3.03	4.88	0.15	0.25	0.00	0.00	0.00	0.00	17.47
1946	0.85	0.84	3.71	0.88	1.90	4.30	0.08	0.25	0.00	0.00	0.00	0.00	12.81
1947	0.23	4.69	2.92	0.33	1.37	2.89	0.42	0.48	0.00	0.00	0.00	0.00	13.33
1948	0.60	0.00	1.00	0.02	1.96	5.84	2.96	1.52	0.00	0.00	0.00	0.00	13.90
1949	0.00	0.01	2.50	2.19	2.65	3.86	0.12	0.00	0.00	0.00	0.00	0.00	11.33
1950	0.00	0.91	5.16	4.42	4.35	1.84	0.00	0.00	0.00	0.41	0.00	0.00	17.09
1951	1.08	4.41	4.01	2.69	0.99	1.31	1.03	0.00	0.00	0.00	0.00	0.00	15.52
1952	0.64	1.25	7,68	6.83	0.70	6.83	1.06	0.00	0.07	0.00	0.00	0.00	25.06
1953	0.00	2.90	4.74	3.30	0.00	0.93	1.56	0.04	0.00	0.00	0.00	0.00	13.47
1954	0.00	3.84	0.57	5.00	2.74	4.55	1.01	0.06	0.06	0.00	0.00	0.00	17.83
1955	0.00	0.40	2.12	2.35	1.67	0.07	2.73	0.49	0.00	0.00	0.06	0.00	9.89
1956	0.00	2.04	6.61	2.08	0.85	0.00	2.30	0.42	0.00	0.00	0.00	0.00	14.30
1957	0.41	0.00	0.53	3.78	2.60	1.44	1.89	1.37	0.02	0.00	0.00	0.06	12.10
1958	2.88	2.22	1.65	3.18	6.22	7.53	4.75	0.00	0.00	0.00	0.00	0.61	29.04
1959	0.00	0.00	0.44	2.52	3.48	0.00	0.00	0.08	0.00	0.00	0.00	1.44	7.96
1960	0.00	0.00	0.69	4.66	5.56	1.48	2.12	0.02	0.00	0.00	0.00	0.00	14.53
1961	0.18	3.61	1.19	2.61	0.25	1.48	0.17	0.07	0.00	0.01	0.00	0.00	9.57
1962	0.00	2.37	1.03	2.57	10.67	1.71	0.13	0.08	0.00	0.00	0.00	0.00	18.56
1963	1.05	0.00	2.84	1.99	4.68	4.43	3.65	0.10	0.00	0.00	0.00	0.09	18.83
1964	2.06	2.91	0.34	1.65	0.00	1.79	1.57	0.25	0.48	0.00	0.00	0.00	11.05
1965	1.60	2.44	4.55	2.46	0.71	1.67	3.09	0.00	0.00	0.00	0.00	0.00	16.52
1966	0.00	6.06	3.47	1.77	1.31	0.12	0.32	0.00	0.02	0.20	0.00	0.90	14.17
1967	0.00	3.36	3.51	3.23	0.47	3.98	6.40	0.34	0.00	0.00	0.00	0.16	21.45
1968	0.00	3.46	1.60	0.67	1.32	3.22	0.00	0.00	0.00	0.00	0.00	0.00	10.27
1969	3.01	4.00	3.76	15.05	8.96	0.51	2.19	0.04	0.00	0.00	0.00	0.00	37.52
1970	1.34	0.96	2.92	5.56	2.33	1.47	0.20	0.00	0.00	0.00	0.00	0.00	14.78
1971	0.00	7.32	5.62	1.66	0.27	0.67	1.25	1.00	0.00	0.00	0.00	0.10	17.89
1972	0.18	1.44	4.41	0.64	0.58	0.00	0.81	0.00	0.00	0.00	0.00	0.00	8.06
1973	2.00	5.49	1.80	6.52	5.31	3.43	0.00	0.00	0.00	0.00	0.00	0.00	24.55
1974	1.58	4.32	3.05	6.75	0.41	8.28	2.30	0.00	0.00	0.00	0.00	0.00	26.69
1975	1.82	0.83	3.40	1.35	4.64	3.47	1.62	0.03	0.00	0.00	0.00	0.66	17.82
1976	1,46	0.23	0.25	0.07	5.13	0.90	0.79	0.00	0.00	0.00	1.47	2.88	13.18
1977	0.07	0.66	1.56	2.49	0.40	1.83	0.78	2.05	0.00	0.00	0.00	0.00	9.84
1978	0.12	0.76	8.23	7.05	7.47	5.81	4.18	0.00	0.07	0.00	0.00	0.92	34.61
1979	0.00	2.45	1.18	5.33	3.78	2.94	0.50	0.00	0.00	0.00	0.00	0.00	16.18
1980								0.00	0.00				40.55
1981	0.00	0.00	0.85	3.68	3.40	8.02	0.33	0.00	0.00	0.00	0.00	0.00	16.28
1982	1.43	1.73	3.42	3.76	2.00	7,13	3.54	0.00	0.06	0.00	0.16	0.78	24.01
1983	1.54	3.59	2.46	7.82	10.56	7.93	2.70	0.17	0.00	0.00	0.55	1.47	38.79
1984	0.70	3.76	3.22	0.09	0.46	0.75	0.84	0.00	0.00	0.17	0.00	0.00	9.99

STATION NAME: UNION OIL COMPANY

LOCATION: AVILA BEACH

GAGE NO: 55.0

ELEVATION: 115.0 FEET

BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 31 SOUTH RANGE: 12 EAST

SECTION: 36Q

LONGITUDE: 35-10-40 LATITUDE: 120-43-32

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1985	1.46	3.80	3.42	1.42	1.77	2.53	0.40	0.00	0.00	0.05	0.00	0,18	15.03
1986	0.65	3.17	1.55	2.45	7.48	7.28	0.24	0.00	0.00	0.14	0.00	1.51	24.47
1987	0.00	0.43	1.12	2.67	2.61	4.95	0.36	0.09	0.03	0.00	0.00	0.00	12.26
1988	1.79	1.20	4.18	1.84	3.27	0.03	1.90	0.17	0.08	0.00	0.00	0.00	14.46
1989	0.00	2.47	7.02	0.85	1.32	2.84	0.00	0.20	0.00	0.00	0.00	1.91	16.61
1990	0.61	0.52	0.03	2.71	1.68	0.37	0.52	1.07	0.00	0.00	0.00	0.88	8.39
1991	0.00	0.33	0.43	1.00	3.47	10.82	0.15	0.00	0.24	0.00	0.05	0.00	16.49
1992	0.52	1.20	2.76	3.73	7.45	2.61	0.15	0.00	0.00	0.55	0.00	0.00	18.97
1993	0.80	0.00	4.92	6.52	6.79	5.25	0.29	0.45	0.25	0.00	0.00	0.00	25.27
1994	0.40	1.16	0.23	2.38	4.14	1.59	2.19	0.67	0.00	0.00	80.0	2.48	15.32
1995	1,28	2.31	1.62	12.80	1.55	12.43	0.98	1.00	0.87	0.00	0.00	0.00	34.84
For 1931-95 Water Y	ears												
Sum	44.16	115.86	187.99	227.99	215.42	209.26	81.02	15.68	6.05	1.68	3.12	18.65	1126.88
N	64	64	64	64	64	64	64	64	64	64	64	64	64
Mean	0.69	1.81	2.94	3.56	3.37	3.27	1.27	0.25	0.09	0.03	0.05	0.29	17.61
Mean for 1984-95													
Water Years*	0.68	1.70	2.54	3.21	3.50	4.29	0.67	0.30	0.12	0.08	0.01	0.58	17.68
Max	3.01	7.32	8.89	15.05	10.67	12.43	6.40	2.05	1.96	0.55	1.47	2.88	38.79
Min	0.00	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.96
STD	0.75	1.71	2.14	2.77	2.77	2.82	1.40	0.44	0.34	0.09	0.21	0.61	7.12
1996	0.42	0.00	2.38	4.72	8.33	1.31	1.37	0.37	0.00	0.28	0.00	0.00	19.18
1997	1.82	5.41	10.97	9.07	0.11	0.00	0.00	0.00	0.00	0.10	0.00	0.00	27.48
1998	0.05	4.82	6.31	5.34	11.68	6.34	1.56	2.47	0.00	0.00	0.00	0.19	38.76
1999	0.40	3.62	0.72	3.70	2.08	4.99	1.98	0.00	0.00				
For 1931-99 Water Y	ears												
Sum	46.85	129.71	208.37	250.82	237.62	221.90	85.93	18.52	6.05	2.06	3.12	18.84	1212.30
N	68	68	68	68	68	68	68	68	68	67	67	67	67
Mean	0.69	1.91	3.06	3.69	3.49	3.26	1.26	0.27	0.09	0.03	0.05	0.28	18.09
Max	3.01	7.32	10.97	15.05	11.68	12.43	6.40	2.47	1.96	0.55	1.47	2.88	38.79
Min	0.00	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.96
STD	0.74	1.78	2.35	2.78	2.96	2.81	1.37	0.51	0.33	0.10	0.21	0.60	7.51

^{*}Hydrologic base period for this study

STATION NAME: COUNTY YARD LOCATION: ARROYO GRANDE

GAGE NO: 85.0

ELEVATION: 125.0 FEET

BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 32 SOUTH RANGE: 13 EAST

SECTION: 22

LONGITUDE: 35-07-26

LATITUDE: 120-34-24 RECORD BEGAN: 1940

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1940	1.16	0.89	1.65	5.83	3.50	1.10	1.85	0.00	0.00	0.00	0.00	0.00	15.98
1941	0.74	0.23	6.90	6.43	7.91	7.71	3.46	0.10	0.00	0.00	0.00	0.00	33.48
1942	0.98	0.61	8.41	1.41	0.94	2.33	3.88	0.22	0.00	0.00	0.00	0.00	18.78
1943	0.48	1.31	3.47	7.35	1.08	5.78	1,03	0.00	0.00	0.00	0.00	0.00	20.50
1944	0.92	0.37	4.14	1.52	5.51	0.80	1.94	0.19	0.01	0.00	0.00	0.00	15.40
1945	0.39	3.22	1.92	0.25	3.58	3.89	0.11	0.05	0.05	0.00	0.00	0.10	13.56
1946	0.71	0.74	3.17	0.46	1.92	3,51	0.17	0.03	0.00	0.09	0.00	0.00	10.80
1947	0,58	4.38	1,84	0.42	0.94	2.15	0.29	0.31	0.22	0.00	0.00	0.07	11.20
1948	0.98	0.12	1,38	0.08	1.76	3.65	2.31	1.03	0.00	0.00	0.00	0.00	11.31
1949	0.08	0.00	3.38	1.45	2.89	4.56	0.09	0.81	0.12	0.00	0.00	0.02	13.40
1950	0.04	0.87	2.96	2.86	2.76	1.16	0.98	0.12	0.00	0.46	0.00	0.03	12.24
1951	1.14	2.84	1.71	2.87	1.12	0.84	1.02	0.00	0.00	0.00	0.00	0.09	11.63
1952	0.37	2.06	5.46	5.87	0.60	5.75	0.96	0.00	0.00	0.00	0.00	0.00	21.07
1953	0.00	2.91	4.98	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.44
1954	0.00	2.64	0.35	3.68	1.59	2.68	0.00	0.00	0.00				
1955													
1956													
1957													
1958													
1959										0.00	0.00	0.60	
1960	0.00	0.00	0.61	3.98	5.15	1.25	2.88	0.00	0.00	0.00	0.00	0.00	13.87
1961	0.70	4.74	1.38	1.18	0.33	1.04	0.26	0.35	0.00	0.01	0.00	0.00	9.99
1962	0.00	2.01	1,62	3.44	10.16	1.60	0.00	0.10	0.02	0.00	0.00	0.00	18.95
1963	0.08	0.00	1.55	0.83	4.70	3.47	3.69	0.28	0.03	0.00	0.05	0.29	14.97
1964	1.94	2.47	0.20	1.84	0.02	1.71	0.93	0.64	0.21	0.00	0.00	0.18	10.14
1965	1.76	2.54	3.20	2.36	0.32	1.86	2.93	0.00	0.00	0.00	0.00	0.00	14.97
1966	0.04	6.25	3.40	1.62	0.03	0.14	0.06	0.00	0.00	0.00	0.12	0.77	12.43
1967	0.00	3.29	3.82	3.86	0.63	3.58	5.28	0.22	0.09	0.00	0.00	0.78	21.55
1968	0.00	3.35	1.74	0.84	1.35	2.52	0.88	0.07	0.00	0.00	0.00	0.00	10.75
1969	2.69	1.75	2.89	10.71	8.05	0.94	2.23	0.02	0.06	0.10	0.00	0.10	29.54
1970	0.58	1.20	1.24	3.70	0.42	3.28	0.10	0.00	0.03	0.00	0.00	0.00	10.55
1971	0.22	4.86	4.09	1.74	0.15	0.66	0.93	1.24	0.01	0.00	0.00	0.07	13.97
1972	0.12	1.25	5.01	0.60	0.48	0.02	0.53	0.00	0.02	0.06	0.00	0.03	8.12
1973	1.65	4.81	1.82	6.57	6.28	3.95	0.04	0.03	0.03	0.00	0.00	0.07	25.25
1974	0.80	3.27	2.56	6.41	0.21	5.42	2.32	0.00	0.00	0.06	0.00	0.00	21.05
1975	1.57	0.52	3,85	0.25	3.42	2.90	1.04	0.02	0.00	0.00	0.00	0.00	13.57
1976	1.51	0.17	0.15	6.41	0.21	5.42	2.32	0.00	0.00	0.00	1.05	3.12	20.36
1977	0.11	0.66	1.55	0.95	0.12	1.85	0.00	2.39	0.00	0.00	0.00	0.00	7.63
1978	0.03	0.53	5.54	6.04	6.47	4.77	4.19	0.00	0.00	0.00	0.00	1.16	28.73
1979	0.00	2.24	1.27	3.66	4.33	3.55	0.45	0.00	0.00	0.00	0.00	0.02	15.52
1980	1.14	0.57	2.47	5.49	5.56	2.22	0.65	0.30	0.00	0.10	0.00	0.00	18.50
1981	0.00	0.00	1.12	2.65	2.03	7.05	0.50	0.01	0.00				
Sum	23.51	69.67	102.80	117.16	96.52	105.11	50.30	8.53	0.90	0.88	1.22	7.50	559.20
N	37	37	37	37	37	37	37	37	37	36	36	36	35
Mean	0.64	1.88	2.78	3.17	2.61	2.84	1.36	0.23	0.02	0.02	0.03	0.21	15.98
Max	2.69	6.25	8.41	10.71	10.16	7.71	5.28	2.39	0.22	0.46	1.05	3.12	33.48
Min	0.00	0.00	0.15	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.63
STD	0.67	1.65	1.85	2.52	2.66	1.95	1.39	0.46	0.05	0.08	0.17	0.56	6.17

STATION NAME: POLICE DEPARTMENT

LOCATION: ARROYO GRANDE

GAGE NO: 87.0

ELEVATION: 120.0 FEET

BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 32 SOUTH

RANGE: 13 EAST SECTION: 22M LONGITUDE: 35-07-06 LATITUDE: 120-34-35 RECORD BEGAN: 1940

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1940	1.16	0.89	1.65	5.83	3.50	1.10	1.85	0.00	0.00	0.00	0.00	0.01	15.99
1941	0.85	0.23	6.90	6.43	7.91	7.71	3.46	0.00	0.00	0.00	0.04	0.00	33.53
1942	0.98	0.61	8.41	1.41	0.94	2.33	3.88	0.22	0.00	0.00	0.00	0.00	18.78
1943	0.48	1.31	3.47	7.35	1.08	5.78	1.03	0.00	0.00	0.00	0.00	0.00	20.50
1944	0.92	0.37	4.14	1.52	5.51	0.80	1.94	0.19	0.01	0.00	0.00	0.00	15.40
1945	0.39	3.22	1.92	0.25	3.58	3.89	0.11	0.05	0.05	0.00	0.00	0.10	13.56
1946	0.71	0.74	3.17	0.46	1.92	3.51	0.17	0.15	0.00	0.09	0.00	0.00	10.92
1947	0.58	4.38	1.84	0.42	0.94	2,15	0.29	0.31	0.22	0.00	0.00	0.07	11.20
1948	0.98	0.12	1.38	0.08	1.76	3.65	2.31	1.03	0.00	0.00	0.00	0.00	11.31
1949	0.08	0.00	3.38	1.45	2.89	4.56	0.19	0.81	0.02	0.00	0.00	0.02	13.40
1950	0.04	0.87	2.96	2.86	2.76	1.16	1.06	0.12	0.00	0.46	0.00	0.03	12.32
1951	1.14	2.84	1.71	2.87	1.12	0.84	1.02	0.00	0.00	0.00	0.00	0.09	11.63
1952	0.37	2.06	5.46	5.87	0.60	5.75	0.96	0.00	0.00	0.00	0.00	0.00	21.07
1953	0.00	2.91	5.07	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.43
1954	0.00	4.09	0.35	3.68	1.59	2.67	0.00	0.00	0.00	0.00	0.00	0.00	12.38
1955	0.00	1.53	1.81	3.35	1.21	0.19	1.64	0.98	0.00	0.00	0.00	0.00	10.71
1956	0.00	2.34	6.95	4.56	0.86	0.00	2.03	0.69	0.00	0.00	0.00	0.00	17.43
1957	0.40	0.00	0.63	3.32	2.91	0.76	1.83	1.44	0.28	0.00	0.00	0.00	11.57
1958	1.72	0.36	3.15	3.53	5.67	6.27	5.06	0.19	0.00	0.00	0.18	1.24	27.37
1959	0.00	0.31	0.41	3.19	4.77	0.53	0.00	0.00	0.00	0.00	0.00	0.70	9.91
1960	0.00	0.00	0.61	4.16	5.69	1.31	2.90	0.00	0.00	0.00	0.00	0.00	14.67
1961	0.65	4.69	1.58	1.36	0.14	1.48	0.35	0.11	0.00	0.00	0.00	0.00	10.36
1962	0.00	2.52	1.30	3.44	10.38	1.68	0.12	0.06	0.05	0.00	0.00	0.00	19.55
1963	0.84	0.00	1.15	0.86	4.70	3.21	3.86	0.28	0.00	0.00	0.00	0.00	14.90
1964	2.36	2.40	0.22	1.56	0.00	1.67	0.95	0.41	0.21	0.00	0.00	0.18	9.96
1965	1.70	2.38	3.21	2.33	0.33	1.75	3.01	0.00	0.00	0.00	0.00	0.00	14.71
1966	0.04	6.50	3.47	1.70	1.01	0.10	0.00	0.00	0.00	0.11	0.00	0.80	13.73
1967	0.00	3.29	3.65	4.48	0.72	3.50	5.20	0.23	0.04	0.00	0.00	1.14	22.25
1968	0.00	3.17	1.79	0.43	1.22	2.13	0.94	0.05	0.00	0.00	0.00	0.00	9.73
1969	2.52	1.68	2.70	10.86	7.78	0.95	2.30	0.00	0.08	0.11	0.00	0.08	29.06
1970	0.53	1.46	1.21	3.61	1.24	2.66	0.07	0.00	0.05	0.00	0.00	0.00	10.83
1971	0.21	4.78	4.35	1.64	0.00	0.68	0.90	1.20	0.01	0.00	0.00	0.01	13.78
1972	0.09	1.88	5.05	0.58	0.48	0.00	0.32	0.00	0.00	0.09	0.00	0.03	8.52
1973	1.71	4.36	1.67	6.64	6.38	3.92	0.03	0.01	0.00				
Sum	21.45	68.29	96.72	103.53	91.59	78.69	49.78	8.53	1.02	0.86	0.22	4.50	500.46
N	34	34	34	34	34	34	34	34	34	33	33	33	33
Mean	0.63	2.01	2.84	3.05	2.69	2.31	1.46	0.25	0.03	0.03	0.01	0.14	15.17
Max	2.52	6.50	8.41	10.86	10.38	7.71	5.20	1.44	0.28	0.46	0.18	1.24	33.53
Min	0.00	0.00	0.22	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.52
STD	0.69	1.68	2.00	2.39	2.63	1.96	1.48	0.39	0.07	0.08	0.03	0.32	5.91

STATION NAME: RANCHITA RANCH LOCATION: ARROYO GRANDE RD.

GAGE NO: 100.0

ELEVATION: 640.0 FEET

BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 31 SOUTH RANGE: 14 EAST

SECTION: 25F

LONGITUDE: 35-12-03 LATITUDE: 120-25-47

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1944	0.93	0.38	4.19	2.39	9.74	1.87	2.00	0.00	0.00	0.00	0.00	0.00	21.50
1945	1.00	5.00	2.50	1.00	5.75	4.99	0.00	0.00	0.00	0.00	0.00	0.00	20,24
1946	2.00	1.25	5.25	0.50	3.25	6.00	0.60	0.00	0.40	0.30	0.00	0.00	19.55
1947	0.70	7.25	3.25	1.00	1.50	3.25	0.60	0.00	0.40	0.00	0.00	0.00	17.95
1948	1.50	0.00	1.50	0.00	3.25	6.50	3.75	0.00	0.00				
1949													
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957													
1957													
										0.00	0.02	171	
1959	0.00	0.00	0.44	0.70	0.04	4 47	2.00	0.00	0.00	0.00	0.02	4.71	
1960	0.00	0.00	0.41	6.73	8.34	1.47	2.09	0.20	0.00	0.00	0.00	0.00	
1961	0.00	0.54	0.05	4.50	44.54	4.40	0.00	0.00	0.00	0.00	0.00	0.00	00.04
1962	0.00	3.51	2.05	4.59	11.54	1.46	0.00	0.09	0.00	0.00	0.00	0.00	23.24
1963	0.95	0.00	0.55	0.00	6.30	3.00	4.10	0.60	0.00	0.00	0.00	0.75	16.25
1964	1.30	3.50	0.20	2.25	0.00	3.15	0.70	0.30	0.30	0.00	0.00	0.00	11.70
1965	1.65	4.88	4.05	3.40	1.10	3.60	4.05	0.00	0.00	0.00	0.00	0.00	22.73
1966	0.00	8.35	4.30	1.45	1.60	0.10	0.13	0.00	0.00	0.10	0.00	0.89	16.92
1967	0.00	4.52	7.25	6.84	0.71	6.35	6.56	0.30	1.88	0.00	0.00	1.60	36.01
1968	0.00	3.60	2.70	1.70	1.47	3.25	1.65	0.00	0.00	0.00	0.00	0.00	14.37
1969	0.75	1.87	3.24	20.35	12.55	1.18	2.90	0.00	0.00	0.00	0.00	0.00	42.84
1970	0.55	0.90	1.30	5.75	3.35	3,20	0.00	0.00	0.00	0.00	0.00	0.00	15.05
1971	0.16	5.85	6.25	2.50	1.45	0.30	1.40	1.50	0.00	0.00	0.00	0.00	19.41
1972	0.20	1.50	6.09	0.56	0.65	0.00	0.86	0.42	0.00	0.00	0.00	0.00	10.28
1973	1.55	5.26	1.95	7.41	9.21	4.47	0.00	0.00	0.00	0.00	0.00	0.00	29.85
1974	1.05	5.76	4.15	7.36	0.40	7.40	1.99	0.00	0.00	0.00	0.00	0.00	28.11
1975	2.07	0.86	4.68	0.18	5.19	4.37	2.13	0.00	0.00	0.00	0.00	0.00	19.48
1976	1.62	0.30	0.15	0.00	3.92	2.73	1.33	0.00	0.05	0.00	1.13	5.00	16.23
1977	1.09	0.75	2.00	1.31	0.30	1.52	0.04	2.26	0.01	0.00	0.03	0.00	9.31
1978	0.04	0.65	9.60	8.40	10.42	6.72	4.08	0.00	0.00	0.00	0.00	1.52	41.43
1979	0.00	2.09	1.48	5.58	4.79	5.28	0.35	0.00	0.00	0.00	0.00	0.15	19.72
1980	1.16	0.83	2.21	9.80	9.54	3.25	0.83	0.50	0.00	0.10	0.00	0.00	28.22
1981	0.03	0.00	1.61	5.52	2.71	7.80	0.70	0.00	0.00	0.00	0.00	0.00	18.37
1982	0.90	2.48	2.01	4.75	1.97	8.70	5.65	0.00	0.00	0.00	0.00	1.00	27.46
1983	0.80	7.60	3.20	8.70	8.75	10.40	3.90	0.00	0.00	0.00	1.00	0.00	44.35
1984	1.90	6.55	6.20	0.00	0.65	0.95	0.00	0.00	0.00	0.00	0.00	0.00	16.25
1985	1.65	4.75	3.55	1.55	2.25	3.34	0.00	0.00	0.00	0.00	0.00	0.00	17.09
1986	0.52	4.40	1.50	2.40	7.40	7.30	0.50	0.00	0.00	0.00	0.00	2.19	26.21
1987	0.00	0.40	1.39	2.60	2.90	5.23	0.26	0.00	0.00				
	-,,	-00.0											
Sum	26.07	95.04	100.76	126.57	142.95	129.13	53.15	6.17	3.04	0.50	2.18	17.81	650.12
N	32	32	32	32	32	32	32	32	32	31	31	31	29
Mean	0.81	2.97	3.15	3.96	4.47	4.04	1.66	0.19	0.10	0.02	0.07	0.57	22.42
Max	2.07	8.35	9.60	20.35	12.55	10.40	6.56	2.26	1.88	0.30	1.13	5.00	44.35
Min	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.31
STD	0.68	2.54	2.19	4.14	3.70	2.62	1.78	0.47	0.34	0.06	0.00	1.26	9.11
010	0.00	4.04	4.13	7.14	3.70	2.02	1.70	0.47	0.04	0.00	0.20	1.20	3.11

STATION NAME: POLICE DEPARTMENT

LOCATION: PISMO BEACH

GAGE NO: 126,0 ELEVATION: 80.0 FEET BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 32 SOUTH RANGE: 12 EAST

SECTION: 13

LONGITUDE: 35-08-00 LATITUDE: 120-38-00

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1950	0.06	1.10	2.78	3.41	3.12	1.40	1.02	0.17	0.00	0.59	0.00	0.00	13.65
1951	1.29	3.27	2.49	2.23	2.36	0.52	1.08	0.00	0.03	0.00	0.03	80.0	13.38
1952	0.52	1.73	6.69	6.20	0.72	6.07	1.16	0.00	0.11	0.00	0.00	0.00	23.20
1953	0.08	3.06	3.00	2.11	0.00	0.96	1.92	0.20	0.00	0.00	0.00	0.07	11.40
1954	0.00	3.27	0.43	4.77	2.26	3.98	1.18	0.09	0.03	0.07	0.00	0.00	16.08
1955	0.00	1.89	2.18	5.23	2.02	0.09	2.35	1.24	0.00	0.00	0.06	0.00	15.06
1956	0.00	2.52	6.72	4.37	1.20	0.00	2.29	0.70	0.00	0.00	0.00	0.00	17.80
1957	0.48	0.00	0.45	3.57	2.99	0.63	1.70	1.03	0.22	0.00	0.00	0.00	11.07
1958	2.47	0.45	2.96	3.62	7.89	8.08	5.57	0.25	0.00	0.00	0.00	1.45	32.74
1959	0.00	0.16	0.37	2.68	4.66	0.00	0.37	0.06	0.00	0.00	0.00	0.85	9.15
1960	0.00	0.00	0.86	3.55	6.36	1.13	2.46	0.02	0.00	0.00	0.00	0.00	14.38
1961	0.64	4.41	1.06	1.72	0.12	1.46	0.26	0.10	0.00	0.00	0.09	0.01	9.87
1962	0.00	1.82	1.17	2.48	9.92	1.41	0.07	0.04	0.02	0.00	0.00	0.00	16.93
1963	0.69	0.04	1.80	1.75	4.15	3.49	4.20	0.22	0.05	0.00	0.00	0.33	16.72
1964	2.23	2.61	0.23	1.80	0.00	2.07	0.64	0.49	0.24	0.00	0.10	0.04	10.45
1965	1.56	2.35	2.92	2.32	0.43	1.95	2.70	0.00	0.00	0.00	0.00	0.00	14.23
1966	0.00	5.76	3.55	1.32	1.08	0.13	0.00	0.00	0.00	0.00	0.00	1.05	12.89
1967	0.00	2.94	3.37	3.30	0.98	3.40	5.76	0.48	0.05	0.00	0.00	0.61	20.89
1968	0.00	3.09	1.66	2.40	1.66	2.75	1.36	0.16	0.00	0.00	0.00	0.00	13.08
1969	2.74	2.66	6.40	13.18	7.27	0.57	2.38	0.04	0.05	0.10	0.00	0.12	35.51
1970	0,91	1.13	1.70	4.33	1.90	1.95	0.07	0.00	0.04	0.00	0.00	0.00	12.03 14.14
1971	0.22	4.73	4.28	1.55	0.19	0.63	1.33 0.63	1.09	0.00 0.19	0.00 0.04	0.00	0.12 0.05	6.87
1972	0.21	1.68	3.11	0.28	0.62	0.04 3.95	0.00	0.02 0.09	0.00	0.04	0.00	0.03	25.89
1973	2.83 0.83	5.31	1.56 3.13	6.67 6.77	5.38 0.00	6.05	1.60	0.09	0.00	0.00	0.00	0.00	20.72
1974 1975	0.63 1.76	2.34 0.50	3.69	0.37	3.96	2.50	0.22	0.00	0.00	0.00	0.00	0.00	13.00
	0.29	0.50	0.00	0.00	3.84	1.82	0.82	0.00	0.00	0.00	0.00	4.20	11.14
1976 1977	0.29	0.17	1.52	1.53	0.20	1.80	0.02	2.25	0.00	0.00	0.00	0.00	8.19
1978	0.03	1.10	7.20	11.16	6.52	6.04	3.84	0.00	0.00	0.00	0.00	1.23	37.15
1979	0.00	0.60	0.00	3.59	3.86	2.86	0.35	0.39	0.00	0.00	0.00	0.00	11.65
1980	1.03	0.38	1.69	8.62	6.52	1.77	0.00	0.00	0.00	0.00	0.00	0.01	20.02
1981	0.00	0.00	1.07	2.53	2.42	7.14	0.60	0.00	0.00	0.00	0.00	0.00	13.76
1982	0.62	1.60	1.75	4.37	3.16	6.40	5.82	0.00	0.11	0.00	0.05	0.55	24.43
1983	1.06	3.40	1.98	6.91	7.79	7.01	2.24	0.56	0.00	0.00	0.44	0.09	31.48
1984	0.00	2.77	4.77	0.00	0.33	0.73	0.63	0.00	0.00	0.00	0.03	0.02	9.28
1985	0.92	3.51	2.65	0.29	0.39	1.72	0.10	0.00	0.00	0.02	0.00	0.04	9.64
1986	0.48	3.46	0.00	1.46	5.45	3.36	0.00	0.00	0.00	0.00	0.00	0.00	14.21
1987	3.65	0.31	1.43	2.08	4.68	3.45	0.39	0.10	0.00	0.01	0.00	0.00	16.10
1988	0.00	0.00	3.86	1.83	2.25	0.50	2.06	0.09	0.00	0.00	0.00	0.00	10.59
1989	0.00	1.62	6.68	0.87	1.24	0.55	0.07	0.21	0.00	0.00	0.00	0.56	11.80
1990	0.61	0.38	0.00	1.90	1.76	0.31	0.55	0.80	0.01	0.00	0.00	0.82	7.14
1991	0.01	0.28	0.77	1.58	2.37	17.06	0.18	0.00	0.28	0.00	0.19	0.00	22.72
1992	0.56	0.87	3.47	2.92	8.99	3,20	0.05	0.00	0.05	0.73	0.00	0.00	20.84
1993	0.81	0.00	5.12	7.95	6.65	4.02	0.18	0.04	0.22	0.00	0.00	0.00	24.99
1994	0.53	2.09	0.37	2.48	4.41	1.64	0.78	0.22	0.00	0.00	0.02	1.19	13.73
1995	1,13	2.67	1.32	10.80	1.41	7.44	0.94	1.83	0.75				
Sum	31.31	84.89	114.21	164.85	145.48	134.03	61.92	12.98	2.45	1.56	1.01	13.59	739.99
N	46	46	46	46	46	46	46	46	46	45	45	45	45
Mean	0.68	1.85	2.48	3.58	3.16	2.91	1.35	0.28	0.05	0.03	0.02	0.30	16.44
Max	3.65	5.76	7.20	13.18	9.92	17.06	5.82	2.25	0.75	0.73	0.44	4.20	37.15
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.87
STD	0.88	1.52	1.98	2.97	2.67	3.08	1.54	0.49	0.13	0.14	0.07	0.70	7.32

STATION NAME: SPENCER RANCH

LOCATION: LOPEZ LAKE GAGE NO: 127.1

ELEVATION: 510.0 FEET

BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 31 SOUTH RANGE: 14 EAST

SECTION: 22F

LONGITUDE: 35-12-27 LATITUDE: 120-26-49

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1951	2.50	5.50	2.90	3.30	1.80	1.80	2.30	0.20	0.00	0.00	0.00	0.00	20.30
1952	1.00	2.80	9.50	15.20	1.90	8.20	1.60	0.20	0.00	0.00	0.00	0.00	40.40
1953	0.00	3.50	8.00	3.80	0.00	2.10	3.00	3.70	0.00	0.00	0.00	0.00	24.10
1954	0.00	2.50	0.80	6.70	3.70	6.10	1.00	0.50	0.20	0.00	0.00	0.00	21.50
1955	0.00	2.20	2.50	6.00	2.80	0.10	1.80	1.50	0.00	0.00	0.00	0.00	16.90
1956	0.00	2.30	12.60	7.10	1.30	0.30	3.70	1.50	0.00	0.00	0.00	0.00	28.80
1957	1.00	0.00	1.00	6.30	2.50	1.60	3.10	2.60	0.20	0.00	0.00	1.80	20.10
1958	2.80	0.70	5.50	5.20	8.20	9.80	8.90	0.20	0.00	0.00	0.00	0.00	41.30
1959	0.00	0.10	0.60	4.10	4.90	0.00	1.40	0.00	0.00	0.00	0.00	1.40	12.50
1960	0.00	0.00	0.60	4.40	8.00	2.30	3.20	0.00	0.00	0.00	0.00	0.00	18.50
1961	0.90	6.30	2.40	2.50	0.20	1.90	0.30	0.00	0.00	0.00	0.00	0.00	14.50
1962	0.00	5.20	0.00	6.40	14.50	2.40	0.00	0.00	0.00	0.00	0.00	0.00	28.50
1963	1.90	0.00	0.00	0.00	8.80	2.40	5.20	0.50	0.00	0.00	0.00	0.30	19.10
1964	1.60	5.40	0.20	2.20	0.00	4.40	0.00	0.30	0.40	0.00	0.00	0.00	14.50
1965	2.50	5.10	5.60	3.80	0.00	3.10	3.20	0.00	0.00	0.00	0.00	0.00	23.30
1966	0.00	9.00	5.50	2.00	1.20	0.00	0.20	0.00	0.00	0.00	0.00	0.90	18.80
1967	0.00	4.00	10.00	5.10	0.90	4.60	5.70	0.20	0.20	0.00	0.00	1.14	31.84
1968	0.00	3.61	3.16	1.60	1.45	3.41	1.87	0.25	0.00	0.00	0.00	0.00	15.35
1969	3.30	2.22	3.95	21.33	11.51	1.27	2.98	0.00	0.09	0.00	0.00	0.00	46.65
1970	0.90	1.00	1.50	7.80	5.10	1.60	0.00	0.00	0.00	0.00	0.00	0.00	17.90
1971	0.00	8.30	5.10	2.40	0.10	1,50	1.70	0.00	0.00	0.00	0.00	0.00	19.10
1972	0.00	1.70	6.90	0.80	0.80	0.00	0.90	0.30	0.00	0.00	0.00	0.00	11.40
1973	2.00	5.60	2.90	7.50	10.10	5.20	0.00	0.00	0.00	0.00	0.00	0.00	33.30
1974	1.10	5.60	4.90	8.40	0.30	7.80	2.30	0.00	0.00	0.00	0.00	0.00	30.40
1975	1.50	0.70	4.00	0.10	4.50	4.10	1.30	0.00	0.00	0.00	0.00	0.00	16.20
1976	2.05	0.10	0.30	0.00	3.90	3.30	1.10	0.00	0.00	0.00	1.60	1.60	13.95
1977	1.00	0.90	2.50	1.20	0.10	1.60	0.00	2.20	0.00	0.00	0.00	0.00	9.50
1978	0.00	0.80	8.50	6.60	11.80	6.80	3.30	0.00	0.00	0.00	0.00	1.50	39.30
1979	0.00	2.20	2.00	5.20	6.70	5.40	0.00	0.00	0.00	0.00	0.00	0.00	21.50
1980	1.50	1.20	2.70	11.70	11.60	2.60	1.00	0.70	0.00	0.00	0.00	0.00	33.00
1981	0.00	0.00	1.30	5.10	2.60	10.60	0.40	0.00	0.00	0.00	0.00	0.00	20.00
1982	1.50	1.20	3.50	5.00	0.80	6.80	5.50	0.00	0.00	0.00	0.00	0.65	24.95
1983	3.50	8.26	3.51	7.46	7.44	6.45	2.23	0.24	0.00	0.00	0.85	0.00	39.94
1984	1.51	4.87	8.07	0.00	0.80	0.75	0.47	0.00	0.00	0.00	0.00	0.00	16.47
1985	0.50	2.10	1.35	2.35	4.60	3.44	0.24	0.00	0.00				
1986													
1987										0.00	0.00	0.00	
1988	2.65	0.95	4.40	2.00	3.50	0.00	4.00	0.00	0.00	0.00	0.00	0.00	17.50
1989	0.00	2.40	8.43	0.60	2.00	2.75	0.45	0.00	0.00	0.00	0.00	1.80	18.43
1990	1.60	0.55	0.00	3.45	2.35	0.65	0.30	1.10	0.00	0.00	0.00	0.00	10.00
1991	0.00	0.50	0.90	1.10	3.05	16.00	0.20	0.00	0.00				
Sum	38.81	109.36	147.57	185.79	155.80	143.12	74.84	16.19	1.09	0.00	2.45	11.09	849.78
N	39	39	39	39	39	39	39	39	39	38	38	38	37
Mean	1.00	2.80	3.78	4.76	3.99	3.67	1.92	0.42	0.03	0.00	0.06	0.29	22.97
Max	3.50	9.00	12.60	21.33	14.50	16.00	8.90	3.70	0.40	0.00	1.60	1.80	46.65
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.50
STD	1.06	2.51	3.18	4.21	3.90	3.40	1.96	0.81	0.08	0.00	0.29	0.58	9.50

STATION NAME: PEROZZI RANCH LOCATION: SAN LUIS OBISPO

GAGE NO: 129.0 ELEVATION: 470.0 FEET BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 31 SOUTH RANGE: 13 EAST SECTION: 6G

LONGITUDE: 35-15-40 LATITUDE: 120-37-20

LLE VATION: 470.01				•	SECTION	. 00							
Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1952	1.03	2.41	8.43	8.98	0.98	6.88	0.96	0.00	0.00	0.08	0.00	0.00	29.75
1953	0.00	3.47	6.83	3.17	0.00	1.26	2.79	0.00	0.01	0.00	0.00	0.00	17.53
1954	0.00	4.20	0.50	5.62	3.24	5.04	1.66	0.14	0.00	0.00	0.00	0.00	20.40
1955	0.00	1.20	0.00	0.02	0.41	0.01	1.00	0.11	0.00	0.00	0.00	0.00	20.10
1956													
1957	0.03	0.00	0.63	2.53	3.70	1.02	2.79	2.40	0.25	0.00	0.00	0.00	14.15
1958	0.83	0.00	4.76	3.55	8.04	9.86	4.86	0.27	0.00	0.00	0.00	1.30	34.93
	1.54								0.00				
1959	0.00	0.42	0.25	2.94	5.58	0.04	0.88	0.07		0.00	0.00	0.69	10.87
1960	0.00	0.00	0.82	4.50	7.32	1,70	2.49	0.07	0.00	0.00	0.00	0.00	16.90
1961	0.35	3.53	1.78	2.56	0.36	2.28	0.34	0.16	0.00	0.00	0.00	0.00	11.36
1962	0.00	3.82	1.51	3.52	12.69	1.87	0.22	0.00	0.10	0.00	0.00	0.00	23.73
1963	1.39	0.05	2.31	4.65	4.68	4.28	3.52	0.41	0.06	0.00	0.00	0.22	21.57
1964	2.05	4.68	0.13	2.12	0.10	3.48	0.07	1.28	0,22	0.00	0.11	0.00	14.24
1965	1.48	4.08	4.71	3.36	0.53	3.05	3.58	0.00	0.00	0.07	0.00	0.00	20.86
1966	0.01	7.77	3.75	1.88	1.08	0.24	0.60	0.00	0.00	0.00	0.00	1,13	16.46
1967	0.00	3.92	6.95	5,22	0.61	5.76	6.47	0.40	0.29	0.00	0.00	1,29	30.91
1968	0.00	3.88	2.17	1.89	1.59	2.79	1.10	0.00	0.00	0.00	0.00	0.00	13.42
1969	2.96	2.25	3.73	18.92	11.59	1.18	3.02	0.00	0.00	0.00	0.00	0.16	43.81
1970	0.40	1.07	1.43	5.84	2.47	1.65	0.08	0.00	0.00	0.00	0.00	0.00	12.94
1971	0.17	6.02	7.81	1.78	0.26	0.52	1.49	1.08	0.00	0.00	0.00	0.00	19.13
1972	0.00	1.59	6.22	1.09	0.77	0.00	1.02	0.00	0.00	0.00	0.00	0.00	10.69
1973	2.41	5.35	1.96	10.17	8.03	5.02	0.00	0.00	0.00	0.00	0.00	0.08	33.02
1974	2.64	3.68	4.30	8.31	0.31	8.38	3.12	0.00	0.06	0.00	0.00	0.00	30.80
1975	1.83	0.96	4.09	0.27	7.76	5.01	1.61	0.00	0.00	0.00	0.00	0.06	21.59
1976	2.18	0.29	0.11	0.06	5.15	1.18	1.50	0.00	0.00	0.00	1.07	3.79	15.33
1977	0.37	0.72	2.30	1.66	0.10	1.58	0.02	2.92	0.00	0.00	0.00	0.03	9.70
1978	0.05	0.42	8.95	10.47	11.20	9.00	6.12	0.00	0.00	0.00	0.00	1.19	47.40
1979	0.00	2.51	1.58	4.40	5.46	4.13	0.32	0.00	0.00	0.00	0.00	0.00	18.40
1980	1.03	0.98	2.27	9.72	9.03	2.99	0.91	0.51	0.00	0.38	0.00	0.00	27.82
1981	0.00	0.04	1.57	5.37	2.27	8.60	0.55	0.00	0.00	0.00	0.00	0.00	18.40
1982	1.67	2.67	1.53	5.02	1.78	6.49	6.37	0.06	0.18	0.00	0.15	0.40	26.32
1983	1.83	6.31	6.40	9.19	10.52	8.34	2.39	0.45	0.00	0.00	0.76	1.19	47.38
1984	1.41	4.18	6.64	0.25	0.83	0.75	0.66	0.00	0.00	0.00	0.05	0.00	14.77
1985	1.03	3.74	3.89	0.80	1.86	3.16	0.20	0.00	0.00	0.00	0.00	0.00	14.77
1986	1.14	3.74	2.00	2.33	9.15	7.13	0.20		0.00	0.06	1.23	0.09	27.14
								0.00					
1987	0.00	0.37	1.64	3.75	2.60	4.60	0.36	0.00	0.00	0.00	0.00	0.00	13.32
1988	2.45	1.19	3.07	2.53	3.00	0.70	2.65	0.11	0.12	0.00	0.00	0.00	15.82
1989	0.00	2.05	6.93	0.89	1.74	2.41	0.58	0.13	0.00	0.00	0.00	1.44	16.17
1990	1.35	0.55	0.02	2.77	2.68	0.52	0.52	1.29	0.00	0.00	0.00	0.55	10.25
1991	0.00	0.40	0.72	0.81	2.38	12.99	0.40	0.00	0.62	0.00	0.06	0.00	18.38
1992	0.57	0.45	4.37	2.82	9.10	2.33	0.05	0.00	0.00	0.54	0.00	0.00	20.23
1993	1.52	0.00	6.20	8.98	7.38	4.19	0.22	0.22	0.16	0.00	0.00	0.00	28.87
1994	0.52	2.34	1.55	2.81	5.51	1.46	1.58	1.10	0.00	0.00	0.00	2.15	19.02
1995	1.58	2.57	1.24	15.05	2.12	14.13	1.25	1.18	0.71	0.00	0.00	0.00	39.83
For 1952-95 Water Y													
Sum	37.79	99.59	138.05	192.55	175.55	167.99	69.51	14.25	2.78	1.13	3.43	15.76	918.38
N	42	42	42	42	42	42	42	42	42	42	42	42	42
Mean	0.90	2.37	3.29	4.58	4.18	4.00	1.66	0.34	0.07	0.03	0.08	0.38	21.87
Mean for 1984-95													
Water Years*	0.96	1.81	3.19	3.65	4.03	4.53	0.72	0.34	0.13	0.05	0.11	0.35	19.88
Max	2.96	7.77	8.95	18.92	12.69	14.13	6.47	2.92	0.71	0.54	1.23	3.79	47.40
Min	0.00	0.00	0.02	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.70

^{*}Hydrologic base period for this study

[□] Appendix B

STATION NAME: PEROZZI RANCH LOCATION: SAN LUIS OBISPO

GAGE NO: 129.0

ELEVATION: 470.0 FEET

BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 31 SOUTH RANGE: 13 EAST

SECTION: 6G

LONGITUDE: 35-15-40 LATITUDE: 120-37-20

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
STD	0.89	1.98	2.52	4.00	3.68	3.44	1.75	0.65	0.15	0.10	0.27	0.75	9.86
1996	0.02	0.45	3.30	4.08	10.38	1.65	1.51	0.95	0.00	0.07	0.00	0.00	22.41
1997	2.71	4.81	12.47	12.90	0.46	0.00	0.00	0.00	0.00	0.08	0.04	0.00	33.47
1998	0.10	5.79	4.56	5.91	15.82	4.06	3.36	3.24	0.07	0.00	0.00	0.40	43.31
1999	0.28	1.64	0.91	3.48	2.14	4.48	2.24	0.00	0.00	0.00	0.00	0.14	15.31
2000	0.00	1.70	0.00	3.98	10.89	1.54	3.30	0.17	0.44	0	0	0.03	22.05
For 1952-2000 Water	Years												
Sum	40.90	113.98	159.29	222.90	215.24	179.72	79.92	18.61	3.29	1.28	3.47	16.33	1054.93
N	47	47	47	47	47	47	47	47	47	47	47	47	47
Mean	0.87	2.43	3.39	4.74	4.58	3.82	1.70	0.40	0.07	0.03	0.07	0.35	22.45
Max	2.96	7.77	12.47	18.92	15.82	14.13	6.47	3.24	0.71	0.54	1.23	3.79	47.40
Min	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.70
STD	0.91	1.99	2.80	3.97	4.12	3.34	1.71	0.75	0.16	0.10	0.25	0.72	10.01

STATION NAME: A. B. CUNNINGHAM

LOCATION: OAK PARK GAGE NO: 141.1

ELEVATION: 180.0 FEET

BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 32 SOUTH RANGE: 13 EAST

SECTION: 8R

LONGITUDE: 35-09-06 LATITUDE: 120-35-47

Water Year	Oct	Nov	Dec	Jan	Feb	Маг	Apr	May	Jun	Jul	Aug	Sep	Total
1954	0.00	3.46	0.35	5.71	2.40	4.58	1.25	0.00	0.00	0.00	0.00	0.00	17.75
1955	0,00	1.92	2.04	4.93	2.42	0.20	3.10	0.61	0.00	0.00	0.00	0.00	15.22
1956	0.00	3.26	6.70	5.58	1.30	0.00	2.49	0.89	0.00	0.00	0.00	0.00	20.22
1957	0.55	0.00	0.65	3.78	3.12	0.70	2.08	1.95	0.00	0.00	0.00	0.00	12.83
1958	1.89	0.23	3.23	3.95	8.60	8.81	6.07	0.25	0.00	0.00	0.00	1.58	34.61
1959	0.00	0.17	0.40	2.92	5.08	0.00	0.40	0.07	0.00	0.00	0.00	0.75	9.79
1960	0.00	0.00	0.55	4.03	6.02	1.22	2.48	0.00	0.00	0.03	0.00	0.00	14.33
1961	1.15	4.34	1.48	1.60	0.17	1.55	0.77	0.10	0.00	0.00	0.00	0.00	11.16
1962	0.00	2.48	1.27	2.84	11.18	1.56	0.09	0.00	0.08	0.00	0.00	0.00	19.50
1963	0,82	1.52	0.00	1.80	4.33	3.61	4.36	0.21	0.05	0.00	0.00	0.18	16.88
1964	2.16	2.90	0.25	1.40	0.10	2.85	0.00	0.00	0.30	0.00	0.00	0.00	9.96
1965	1.80	2.67	4.41	3.76	0.70	2.83	4.53	0.00	0.00	0.00	0.00	0.00	20.70
1966	0.00	7.64	4.18	1.91	1.89	0.15	0.00	0.00	0.00	0.00	0.00	0.88	16.65
1967	0.00	3.04	5.80	4.65	0.51	3.98	6.02	0.30	0.07	0.00	0.00	0.85	25.22
1968	0.00	3.26	2.10	1.33	1.67	2.83	1.30	0.00	0.00	0.00	0.00	0.00	12.49
1969	0.60	4.60	3.63	17.57	7.85	1.05	3.15	0.00	0.00	0.00	0.00	0.00	38.45
1970	1.48	1.72	2.58	5.80	2.45	2.75	0.00	0.00	0.00	0.00	0.00	0.00	16.78
1971	0.21	8.85	8.31	1.98	0.12	1.35	1.40	1.50	0.00	0.00	0.00	0.00	23.72
1972	0.25	1.83	8.13	0.62	1.07	0.00	0.35	0.00	0.00	0.00	0.00	0.00	12.25
1973	2.10	8.99	2.13	11.58	11.60	6.90	0.00	0.00	0.00	0.00	0.00	0.10	43.40
1974	1,10	5.56	1.67	7.60	0.26	6.54	1.48	0.00	0.00	0.00	0.00	0.00	24.21
1975	1.57	0.55	3.92	0.70	4.02	2.79	1.32	0.00	0.00	0.00	0.00	0.00	14.87
1976	1.58	0.20	0.18	0.00	3.60	1.67	0.62	0.00	0.05	0.00	1.41	3.20	12.51
1977	0.12	0.62	1.70	1.47	0.25	1.92	0.02	2.06	0.00	0.01	0.00	0.10	8.27
1978	0.02	0.49	6.69	6.70	9.24	5.97	3.83	0.00	0.05	0.00	0.00	1.31	34.30
1979	0.00	1.54	0.45	4.77	3.32	4.53	0.00	0.00	0.00	0.00	0.00	0.15	14.76
1980	1.20	0.60	2.32	6.77	6.46	2.90	0.78	0.51	0.00	0.23	0.00	0.00	21.77
1981	0.00	0.00	1.34	4.15	2.73	6.67	0.48	0.06	0.00	0.00	0.00	0.00	15.43
1982	0.72	2.33	2.47	3.42	1.75	7.17	3.28	0.00	0.10	0.00	0.20	0.58	22.02
1983	1.28	4.75	2.22	7.53	11.41	7.93	3.09	0.13	0.00	0.00	0.68	1.80	40.82
1984	0.30	3.71	5.62	0.15	0.58	1.13	0.40	0.00	0.00	0.07	0.01	0.20	12.17
1985	1.55	3.57	3.39	1.70	1.75	2.52	0.02	0.00	0.00	0.02	0.00	0.10	14.62
1986	0.45	3.91	1.12	1.98	6.64	6.31	0.00	0.37	0.00	0.10	0.00	2.62	23.50
1987	0.01	0.27	1.88	2.63	2.44	5.07	0.52	0.00	0.02	0.00	0.00	0.00	12.84
1988	2.37	1.25	3.89	1.84	3.48	0.20	3.32	0.11	0.21	0.00	0.00	0.00	16.67
1989	0.00	2.09	7.69	1.10	1.38	2.10	0.19	0.00	0.00	0.00	0.00	0.40	14.95
1990	0.90	0.40	0.00	2.03	2.00	0.31	0.35	0.90	0.06	0.00	0.00	1.15	8.10
1991	0.00	0.40	0.40	1.15	2.45	12.04	0.45	0.00	0.37	0.00	0.05	0.00	17.31
1992	0.55	0.74	3.91	3.05	9.78	3.29	0.05	0.00	0.00	0.75	0.00	0.00	22.12
1993	0.90	0.00	4,31	8.03	7.83	5.23	0.35	0.30	0.25	0.00	0.00	0.00	27.20
1994	0.80	2.62	1.58	2.72	4.09	1.60	2.65	0.90	0.00	0.00	0.00	1.10	18.06
1995	1.33	2.35	1.68	11.54	1.90	11.80	1.03	2.43	0.70	0.00	0.00	0.00	34.76
For 1954-95 Water \													
Sum	29.76	100.83	116.62	168.77	159.94	146.61	64.07	13.65	2.31	1.21	2.35	17.05	823.17
N	42	42	42	42	42	42	42	42	42	42	42	42	42
Mean	0.71	2.40	2.78	4.02	3.81	3.49	1.53	0.33	0.06	0.03	0.06	0.41	19.60
Mean for 1984-95		,				,			0.10				40 =0
Water Years*	0.76	1.78	2.96	3.16	3.69	4.30	0.78	0.42	0.13	0.08	0.01	0.46	18.53
Max	2.37	8.99	8.31	17.57	11.60	12.04	6.07	2.43	0.70	0.75	1.41	3.20	43.40
Min	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.10
STD	0.73	2.27	2.29	3.45	3.33	3.04	1.67	0.60	0.13	0.12	0.24	0.74	8.77

^{*}Hydrologic base period for this study

[☐] Appendix B

STATION NAME: A. B. CUNNINGHAM

LOCATION: OAK PARK

GAGE NO: 141.1

ELEVATION: 180.0 FEET

BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 32 SOUTH

RANGE: 13 EAST SECTION: 8R

LONGITUDE: 35-09-06 LATITUDE: 120-35-47

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1996	0.00	0.60	2.37	5.19	9.22	1.79	1.20	0.68	0.00	0.00	0.00	0.00	21.05
1997	2.68	5.85	9.32	8.29	0.12	0.00	0.00	0.00	0.00	0.15	0.00	0.00	26.41
1998	0.05	6.29	4.50	5.90	14.38	4.56	3.60	3.24	0.00	0.00	0.00	0.27	42.79
1999	0.00	2.48	1.12	3.63	2.31	5.10	2.78	0.00	0.00	0.00	0.00	0.00	17.42
2000	0.00	1.13	0.00	3.44	9.70	2.15	3.53	0.25	0.22	0.00	0.00	0.05	20.47
For 1954-2000 Wate	er Years												
Sum	32.49	117.18	133.93	195.22	195.67	160.21	75.18	17.82	2.53	1.36	2.35	17.37	951.31
N	47.00	47.00	47.00	47.00	47.00	47.00	47.00	47.00	47.00	47.00	47.00	47.00	47.00
Mean	0.69	2.49	2.85	4.15	4.16	3.41	1.60	0.38	0.05	0.03	0.05	0.37	20.24
Max	2.68	8.99	9.32	17.57	14.38	12.04	6.07	3.24	0.70	0.75	1.41	3.20	43.40
Min	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.10
STD	0.78	2.32	2.45	3.37	3.77	2.98	1.68	0.72	0.13	0.12	0.23	0.71	9.09

STATION NAME: WASTEWATER PLANT

LOCATION: SAN LUIS OBISPO

GAGE NO: 145.1

ELEVATION: 130.0 FEET

BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 31 SOUTH

RANGE: 12 EAST SECTION: 3K

LONGITUDE: 35-15-16 LATITUDE: 120-41-24

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1955	0.00	3.09	2,37	5.06	1.82	0.11	1.10	0.48	0.00	0.00	0.00	0.00	14.03
1956	0.00	2.16	12.44	8.64	0.09	0.00	2.28	1.72	0.00	0.00	0.00	0.00	27.33
1957	0.81	0.00	0.70	4.80	4.56	0.47	2.50	2.01	0.10	0.00	0.00	0.00	15.95
1958	1.97	0.08	4.07	4.81	8.16	10.12	4.35	0.20	0.00	0.00	0.00	0.98	34.74
1959	0.00	0.45	0.22	3.66	5.77	0.00	0.65	0.05	0.00	0.00	0.00	0.65	11.45
1960	0.00	0.00	0.65	5.00	8.89	1.25	2.80	0.00	0.00	0.01	0.00	0.00	18.60
1961	0.20	4.38	1.72	2.61	0.00	1.36	0.00	0.00	0.00	0.00	0.00	0.00	10.27
1962	0.00	4.67	1.87	4.80	14.52	2.61	0.15	0.00	0.00	0.00	0.00	0.00	28.62
1963	1.25	0.00	2.92	3.93	5.13	5.73	4.95	0.33	0.03	0.00	0.00	0.14	24.41
1964	1.86	4.16	0.15	2.15	0.08	3.63	0.00	0.75	0.30	0.00	0.00	0.00	13.08
1965	1.58	3.73	6.42	4.70	0.70	2.61	4.30	0.00	0.00	0.00	0.00	0.00	24.04
1966	0.00	9.43	3.86	2.44	0.70	0.20	0.00	0.00	0.00	0.00	0.00	1.10	17.73
1967	0.00	4.92	10.12	7.52	0.51	8.75	6.64	0.20	0.13	0.00	0.00	0.73	39.52
1968	0.00	8.20	2.76	2.77	1.55	3.15	1.47	0.03	0.00	0.00	0.00	0.00	19.93
1969	1.15	2.03	4.07	22.16	12.36	0.60	2.95	0.00	0.00	0.00	0.00	0.00	45.32
1970	0.37	0.85	1.32	6.33	2.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.59
1971	0.00	5.58	6.82	1.98	0.37	0.07	1.30	0.77	0.00	0.00	0.00	0.05	16.94
1972	0.00	1.54	5.62	1.06	0.70	0.00	1.30	0.07	0.00	0.00	0.00	0.00	10.29
1973	2.62	5.04	1.25	11.50	7.61	4.01	0.00	0.00	0.00	0.00	0.00	0.05	32.08
1974	1.46	5.41	3.18	6.96	0.25	8.08	1.84	0.00	0.00	0.00	0.00	0.00	27.18
1975	1.19	0.75	3.75	0.30	6.53	5.00	1.39	0.00	0.00	0.00	0.00	0.04	18.95
1976	0.30	0.30	0.16	0.07	5.35	1,61	0.69	0.00	0.05	0.00	0.99	3.12	12.64
1977	0.07	1.15	2.12	1.81	0.09	1.97	0.05	2.98	0.00	0.00	0.00	0.00	10.24
1978	0.08	0.26	9.34	9.66	12.91	6.47	4.67	0.00	0.00	0.00	0.00	1.16	44.55
1979	0.00	2.34	1.57	3.72	5.30	3.27	0.25	0.08	0.00	0.00	0.00	0.03	16.56
1980	0.60	0.90	5.15	9.08	9.55	2.12	0.81	0.38	0.00	0.34	0.00	0.00	28.93
1981	0.00	0.04	2.92	6.43	2.24	8.49	0.25	0.00	0.00	0.00	0.00	0.00	20.37
1982	1.92	2.52	1.09	5.57	1.41	7.38	8.39	0.00	0.10	0.00	0.16	0.75	29.29
1983 1984	1.59	5.47	4.90	10.40	12.91	7.42	3.82	0.00	0.00	0.00	0.00	0.00	46.51
1985	1.14	4.79	3.71	1.08	2.58	3.18	0.35	0.00	0.00	0.00	0.00	0.00	16.83
1986	1.00	4.23	2.35	2.68	11.92	8.60	0.18	0.00	0.02	0.00	0.00	0.78	31.76
1987	0.00	0.37	1.53	3.15	3.08	4.47	0.35	0.05	0.00	0.00	0.00	0.00	13.00
1988													
1989	0.00	2.42	6.97	1.02	1.90	1.77	0.58	0.00	0.00	0.00	0.00	1.74	16.40
1990	1.25	0.60	0.03	2.47	2.71	0.41	0.10	1.17	0.00	0.00	0.00	0.53	9.27
1991	0.00	0.21	0.66	0.64	2.98	12.52	0.79	0.00	0.50	0.00	0.00	0.00	18.30
1992	0.50	0.33	2.43	2.63	8.31	0.00	0.00	0.00	0.00				
Sum	22.91	92.40	121.21	173.59	166.26	127.43	61.25	11.27	1.23	0.35	1.15	11.85	776.70
N	36	36	36	36	36	36	36	36	36	35	35	35	35
Mean	0.64	2.57	3.37	4.82	4.62	3.54	1.70	0.31	0.03	0.01	0.03	0.34	22.19
Max	2.62	9.43	12.44	22.16	14.52	12.52	8.39	2.98	0.50	0.34	0.99	3.12	46.51
Min	0.00	0.00	0.03	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.27
STD	0.75	2.44	2.91	4.13	4.32	3.40	2.05	0.66	0.10	0.06	0.17	0.65	10.48

STATION NAME: BATES PLUMBING LOCATION: ARROYO GRANDE

GAGE NO: 147.0 ELEVATION: 28.0 FEET BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 32 SOUTH RANGE: 13 EAST SECTION: 30F LONGITUDE: 35-06-52 LATITUDE: 120-37-29 RECORD BEGAN: 1956

Water Year	Oct	Nov	Dec	Jan	Feb	Маг	Apr	May	Jun	Jul	Aug	Sep	Total
1956	0.00	2.66	7.08	4.32	0.94	0.00	1.98	0.66	0.00	0.00	0.00	0.00	17.64
1957	0.57	0.00	0.62	3.18	2.35	1.32	1.76	1.26	0.26	0.00	0.00	0.09	11.41
1958	1.61	0.70	3.01	3.43	5.03	6.62	5.17	0.21	0.00	0.00	0.00	1.23	27.01
1959	0.00	0.00	0.71	3.41	4.31	0.00	0.48	0.00	0.00	0.00	0.00	0.69	9.60
1960	0.00	0.00	0.73	4.29	5.59	1.23	3.09	0.00	0.00	0.00	0.00	0.00	14.93
1961	0.68	5.16	1.52	1.26	0.39	1.39	0.39	0.13	0.00	0.00	0.00	0.00	10.92
1962	0.00	2.03	1.49	3.67	10.17	1.66	0.09	0.00	0.00	0.00	0.00	0.00	19.11
1963	0.79	0.00	1.17	0.89	4.46	3.71	3.69	0.31	0.04	0.00	0.00	0.39	15.45
1964	2.19	2.66	0.22	1.84	0.05	1.87	1.01	0.61	0.21	0.00	0.00	0.23	10.89
1965	1.76	2.45	3.09	2.27	0.26	1.89	3.05	0.00	0.00	0.00	0.00	0.00	14.77
1966	0.06	6.40	3.23	1.83	1.19	0.18	0.09	0.00	0.00	0.15	0.00	0.80	13.93
1967	1.64	2.44	3.54	3.56	0.63	3.66	5.20	0.27	0.13	0.00	0.00	0.83	21.90
1968	0,00	3.74	1.77	0.97	1.37	2.83	0.93	0.09	0.00	0.00	0.00	0.00	11.70
1969	2.97	1.89	2.78	10.10	7.53	1.20	2.35	0.06	0.06	0.11	0.00	0.16	29.21
1970	0.00	1.72	1.32	3.78	1.33	2.86	0.09	0.00	0.00	0.00	0.00	0.00	11.10
1971	0.00	4.91	4.45	1.86	0.15	0.70	0.97	1.25	0.00	0.00	0.00	0.08	14.37
1972	0.30	1.33	4.96	0.58	0.38	0.00	0.73	0.00	0.00	0.07	0.00	0.06	8.41
1973	1.56	4.95	1.69	6.24	5.49	4.00	0.00	0.00	0.10	0.00	0.00	0.09	24.12
1974	0.76	3.03	2.97	7.04	0.19	5.85	1.66	0.00	0.00	0.09	0.00	0.00	21.59
1975	1.48	0.58	3.39	0.25	3.55	2.58	1.09	0.02	0.00	0.00	0.00	0.00	12.94
1976	1,18	0.23	0.13	0.00	3.74	1.61	0.67	0.00	0.00	0.00	1.11	3.13	11.80
1977	0.25	0.84	1.54	0.97	0.11	1.82	0.06	2.34	0.00	0.00	0.04	0.08	8.05
1978	0.08	0.27	6.56	6.50	6.51	6.65	4.77	0.00	0.00	0.00	0.00	0.04	31.38
1979	0.00	1.91	1.49	5.58	4.39	3.24	0.38	0.05	0.00	0.00	0.00	0.07	17.11
1980	0,80	0.31	2.33	6.41	6.11	2.48	0.70	0.35	0.00	0.26	0.00	0.00	19.75
1981	0.00	0.04	1.22	3.59	2.66	7.58	0.33	0.00	0.00	0.00	0.00	0.00	15.42
1982	0.73	1.65	1.30	3.01	1.27	5.58	3.83	0.00	0.10	0.00	0.05	0.38	17.90
1983	1.26	2.90	1.77	6.51	7.95	7.01	1.76	0.66	0.00	0.00	0.29	0.00	30.11
1984	2.10	2.30	4.98	0.00	0.46	0.62	0.61	0.00	0.00	0.00	0.06	0.00	11.13
1985	0.66	2.87	2.56	0.91	0.95	1.29	0.00	0.00	0.00	0.00	0.00	0.07	9.31
1986	0.37	3.35	1.01	1.47	5.60	5.14	0.06	0.00	0.00	0.01	0.00	0.96	17.97
1987	0.00	0.35	1.38	2.17	1.83	5.10	0.26	0.00	0.06	0.00	0.00	0.00	11.15
1988	2.06	0.87	3.52	1.38	2.77	0.13	2.59	0.12 0.09	0.00	0.00	0.00 0.00	0.00	13.44 11.95
1989 1990	0.00 0.57	1.22 0.35	6.25 0.00	0.72 2.26	0.83 1.77	1.25 0.30	0.19 0.29	0.09	0.00	0.00	0.00	1.40 0.67	7.03
1990	0.57	0.35	0.00	0.98	2.38	10.58	0.29	0.78	0.04	0.00	0.06	0.00	15.13
1991	0.22	0.00	3.49	2.61	9.00	2.61	0.33	0.00	0.13	0.45	0.00	0.00	19.13
1993	0.38	0.00	3.43	6.68	6.17	4.69	0.09	0.19	0.00	0.00	0.00	0.00	22.28
1994	0.43	2.16	1.14	2.39	3.65	1.55	1.18	0.70	0.00	0.00	0.00	0.87	14.05
1995	1.02	1.84	1.20	10.87	1.50	10.19	0.79	2.41	0.63	0.00	0.00	0.00	30.45
For 1956-95 Water \	Years												
Sum	28.87	70.84	95.98	129.78	125.01	122.97	52.76	12.56	1.85	1.14	1.63	12.32	655.71
N	40	40	40	40	40	40	40	40	40	40	40	40	40
Mean	0.72	1.77	2.40	3.24	3.13	3.07	1.32	0.31	0.05	0.03	0.04	0.31	16.39
Mean for 1984-95													
Water Years*	0.68	1.34	2,49	2.70	3.08	3.62	0.54	0.36	80.0	0.04	0.01	0.33	15.27
Max	2.97	6.40	7.08	10.87	10.17	10.58	5.20	2.41	0.63	0.45	1.11	3.13	31.38
Min	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.03
STD	0.76	1.62	1.77	2.60	2.70	2.70	1.48	0.58	0.11	80.0	0.18	0.59	6.45
1996	0.00	0.48	1.26	2.67	7.07	1.24	0.72	0.36	0.00	0.35	0.00	0.00	14.15
1997	2.24	4.03	6.50	6.30	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.12

^{*}Hydrologic base period for this study

STATION NAME: BATES PLUMBING

LOCATION: ARROYO GRANDE **GAGE NO: 147.0**

ELEVATION: 28.0 FEET

BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 32 SOUTH RANGE: 13 EAST

SECTION: 30F

LONGITUDE: 35-06-52 LATITUDE: 120-37-29

RECORD BEGAN: 1956

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1998	0.00	3.83	4.89	3.87	11.16	4.52	2.44	1.94	0.00	0.00	0.00	0.16	32.81
1999	0.28	1.15	1.83	2.04	1.23	4.51	1,99	0.00	0.00	0.00	0.00	0.00	13.03
2000	0.00	1.31	0.03	2.35	8.88	1.37	3.21	0.05	0.11	0.00	0.00	0.04	17.35
For 1956-2000 Wate	r Years												
Sum	31.39	81.64	110.49	147.01	153.40	134.61	61.12	14.91	1.96	1.49	1.63	12.52	752.17
N	45	45	45	45	45	45	45	45	45	45	45	45	45
Mean	0.70	1.81	2.46	3.27	3.41	2.99	1.36	0.33	0.04	0.03	0.04	0.28	16.71
Max	2.97	6.40	7.08	10.87	11.16	10.58	5.20	2.41	0.63	0.45	1.11	3.13	32.81
Min	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.03
STD	0.78	1.61	1.85	2.51	3.04	2.63	1.46	0.60	0.11	0.09	0.17	0.56	6.59

STATION NAME: NIPOMO CDF

LOCATION: NIPOMO **GAGE NO: 151.1**

ELEVATION: 335.0 FEET

BASE & MERIDIAN: SAN BERNARDINO

TOWNSHIP: 11 NORTH RANGE: 34 WEST

SECTION: 8N

LONGITUDE: 35-02-26 LATITUDE: 120-29-10

RECORD BEGAN: 1959

Water Year Feb Total Oct Nov Dec Jan Mar Apr May Jun Jul Aug Sep 1959 0.00 0.00 0.50 2.58 4.85 0.01 0.00 0.00 0.00 0.00 0.00 0.00 7.94 1960 0.00 0.00 14.39 0.00 0.00 0.11 3.74 6.11 1.26 3.14 0.03 0.00 0.00 1961 0.00 0.00 0.00 0.00 0.00 0.00 5,68 1.10 1.58 1.20 0.16 1.32 0.32 1962 0.00 0.00 3.86 11.73 0.06 0.00 0.00 0.00 0.00 0.00 18.92 1.83 1.44 1963 0.00 0.00 0.00 1.45 3.41 3,90 3.06 0.00 0.00 0.00 0.00 0.30 12.12 1964 1.90 3.45 0.25 1.75 0.10 2.43 0.57 0.36 0.00 0.04 0.00 0.21 11.06 1965 1.80 2.35 2.54 2.15 0.76 1.63 0.78 0.00 0.00 0.00 0.00 0.00 12.01 0.02 0.00 0.00 0.00 0.05 11.17 1966 6.16 3.19 1.05 0.59 0,00 0.11 0.00 0.00 0.00 0.02 16.22 1967 2.45 3.16 3.12 0.43 3.04 3.63 0.340.03 0.00 0.00 2.89 0.00 1968 1.66 1.06 1.33 2.72 0.63 0.00 0.00 0.00 0.00 10.29 1969 2.44 0.88 2.33 11.08 7.67 0.56 1.88 0.02 0.00 0.14 0.00 0.03 27.03 1970 0.35 0.89 0.85 4.08 3.27 1.90 0.04 0.00 0.00 0.00 0.00 0.00 11.38 1971 0.21 4.48 4.45 1.35 0.14 0.58 0.80 0.99 0.00 0.00 0.00 0.18 13.18 1972 0.27 1.23 2.93 0.54 0.56 0.00 0.53 0.00 0.00 0.00 0.00 0.01 6.07 1973 0.83 4.31 2.20 5.85 5.24 3.54 0.03 0.00 0.00 0.00 0.00 0.00 22.00 1974 0.99 2.73 2.56 5.80 5.35 1.66 0.00 0.00 0.00 0.00 0.00 0.00 19.09 1975 1.16 0.46 4.97 0.18 4.44 4.06 2.02 0.00 0.00 0.00 0.00 0.00 17.29 0.06 1976 1.23 0.21 0.15 0.00 3.71 2.18 0.96 0.00 0.00 1.28 3,67 13.45 1.65 1977 1.62 1.22 1.57 0.09 0.04 2.35 0.00 0.00 0.00 0.08 10.23 1.61 1978 0.01 0.26 5 44 6.60 7 68 5.97 3.25 0.00 0.00 0.00 0.00 1 45 30.66 1979 0.00 1.11 1.19 4.03 4.54 4.36 0.35 0.04 0.00 0.00 0.00 0.18 15.80 1980 1.13 0.58 1.22 4.75 5.31 2.10 0.99 0.44 0.00 0.05 0.00 0.00 16.57 0.00 1981 0.00 0.00 0.00 0.00 13.39 0.00 1.70 3.55 2.65 5.14 0.35 0.00 1982 0.98 2.24 1.97 3.08 1.11 4.66 3.93 0.00 0.01 0.00 0.05 0.55 18.58 1983 1.27 4.17 2.13 6.30 9.18 6.80 2.50 0.23 0.00 0.00 0.49 0.14 33.21 1984 2.00 0.55 0.00 3.31 3.09 0.09 0.50 0.84 0.84 0.00 0.00 0.00 11.22 1.09 1985 1.04 2.25 2,82 2.02 0.76 0.00 0.00 0,00 0.00 0.07 12.20 2.15 1986 0.00 0.00 0.05 0.10 2 39 0.55 173 4 64 5 44 0.68 0.00 1 27 16.85 1987 0.00 0.23 1.66 2.12 2.52 4.41 0.27 0.04 0.04 0.00 0.00 0.00 11.29 1988 1.97 0.94 2.51 1.99 2.17 0.25 2.67 0.14 0.02 0.00 0.00 0.00 12.66 1989 0.00 0.18 0.00 1.38 6.10 0.49 1.31 1,44 0.41 0.00 0.00 0.91 12.22

STATION NAME: NIPOMO CDF

LOCATION: NIPOMO GAGE NO: 151.1 ELEVATION: 335.0 FEET BASE & MERIDIAN: SAN BERNARDINO

TOWNSHIP: 11 NORTH RANGE: 34 WEST SECTION: 8N LONGITUDE: 35-02-26 LATITUDE: 120-29-10 RECORD BEGAN: 1959

Water Year Total Oct Nov Dec Jan Feb Mar Арг May Jun Jul Aug Sep 0.53 1990 0.56 0.06 1.61 0.46 0.32 0.86 0.00 0.00 0.00 7.12 0.48 2.24 1991 0.00 0.33 0.39 0.03 0.23 0.00 0.00 0.00 0.00 0.00 13.06 1.31 10.77

			4.00								0.00	0.00		
1992	0.41	0.40	3.85	2.11	6.62	1.70	0.00	0.00	0.00	0.57	0.00	0.00	15.66	
1993	1.11	0.00	2.98	6.46	4.51	4.81	0.10	0.00	0.20	0.00	0.00	0.00	20.17	
1994	0.20	1.10	1.25	2.80	3.52	1.34	0.90	0.66	0.00	0.00	0.00	0.38	12.15	
1995	0.63	1.59	0.52	11.35	1.03	8.64	0.54	0.57	0.60	0.00	0.00	0.00	25.47	
For 1959-95 Water Y	/ears													
Sum	24.23	57.57	76.26	113.30	122.30	104.99	37.69	7.80	0.96	0.85	1.82	10.03	557.80	
N	37	37	37	37	37	37	37	37	37	37	37	37	37	
Mean	0.65	1.56	2.06	3.06	3.31	2.84	1.02	0.21	0.03	0.02	0.05	0.27	15.08	
Mean for 1984-95														
Water Years*	0.67	1.20	2.15	2.71	2.66	3.51	0.64	0.25	0.07	0.05	0.00	0.26	14.17	
Max	2.44	6.16	6.10	11.35	11.73	10.77	3.93	2.35	0.60	0.57	1.28	3.67	33.21	
Min	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.68	
STD	0.72	1.52	1.52	2.70	2.80	2.43	1.15	0.44	0.10	0.09	0.22	0.66	6.19	
1996	0.00	0.40	1.59	3.05	9.53	1.46	0.51	0.00	0.00	0.00	0.00	0.00	16.54	
1997	2.20	4.51	7.16	6.37	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.23	20.50	
1998	0.00	5.17	3.69	5.00	10.71	4.09	2.81	2.05	0.00	0.00	0.00	0.15	33.67	
1999	0.15	1.80	0.85	2.21	1.35	4.78	1.84	0.00	0.00	0.00	0.00	0.00	12.98	
2000	0.00	0.00	1.46	2.02	7.13	2.06	1.65	0.00	0.15					
For 1959-2000 Wate	r Years													
Sum	26.58	69.45	91.01	131.95	151.02	117.38	44.50	9.85	1.11	0.88	1.82	10.41	641.49	
N	42	42	42	42	42	42	42	42	42	41	41	41	41	
Mean	0.63	1.65	2.17	3.14	3.60	2.79	1.06	0.23	0.03	0.02	0.04	0.25	15.65	
Max	2.44	6.16	7.16	11.35	11.73	10.77	3.93	2.35	0.60	0.57	1.28	3.67	33.67	
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.68	

STD

0.74

1.62

1.66

2.61

3.12

2.37

0.51

1.14

0.10

0.09

0.21

0.63

6.60

^{*}Hydrologic base period for this study

STATION NAME: BETTENCOURT LOCATION: LOPEZ CANYON

GAGE NO: 153.0

ELEVATION: 745.0 FEET

BASE & MERIDIAN: MOUNT DIABLO

RANGE: 14 EAST

SECTION: 5F

LONGITUDE: 35-15-15 LATITUDE: 120-29-56

RECORD BEGAN: 1960

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1960	0.00	6.45	0.57	7.97	10.49	2.94	3.41	0.00	0.00	0.00	0.00	0.00	31.83
1961	0.83	6.47	4.09	3.71	0.34	2.43	2.70	0.00	0.00	0.00	0.00	0.00	20.57
1962	0.00	11.00	4.05	6.97	20.08	3.89	0.50	0.00	0.00	0.00	0.00	0.00	46.49
1963	2.40	0.00	1.46	0.00	6.40	4.79	5.16	0.93	0.16	0.00	0.00	0.32	21.62
1964	1.94	6.92	0.34	3.78	0.05	5.58	0.36	1.13	0.64	0.00	0.18	0.00	20.92
1965	1.87	6.70	7.16	8.18	1.21	4.50	5.44	0.00	0.00	0.00	0.00	0.00	35.06
1966	0.00	13.25	5.92	1.91	1.53	0.36	0.20	0.00	0.00	0.08	0.00	1.70	24.95
1967	0.00	6.73	20.46	9.72	1.20	10.69	10.54	0.42	0.20	0.00	0.00	1.35	61.31
1968	0.00	4.05	3.83	3.43	1.19	5.39	2.24	0.22	0.00	0.00	0.00	0.00	20.35
1969	3.79	3.52	6.43	37.15	12.00	2.26	1.60	0.00	0.00	0.00	0.00	0.16	66.91
1970	1.08	1.48	2.37	9.94	6.85	0.11	0.15	0.00	0.10	0.00	0.00	0.00	22.08
1971	0.51	11.37	9.35	3.74	0.16	2.22	2.04	1.90	0.00	0.00	0.00	0.13	31.42
1972	0,35	2.93	9.63	1.64	1.51	0.00	1.50	0.30	0.20	0.01	0.00	0.06	18.13
1973	3.47	8.73	3.89	12.30	13.80	6.99	0.05	0.00	0.00	0.00	0.00	0.00	49.23
1974	2.79	9.86	2.07	10.84	0.45	9.77	2.28	0.00	0.00	0.00	0.00	0.00	38.06
1975	2.00	1.65	5.88	0.05	9.35	6.93	3.53	0.00	0.00	0.00	0.00	0.00	29.39
1976	3.92	0.35	0.44	0.00	5.46	4.80	1.61	0.00	0.08	0.00	2.19	3.78	22.63
1977	0.36	0.88	3.30	2.87	0.46	2.19	0.00	3.56	0.00	0.00	0.00	0.00	13.62
1978	0.10	1.09	13.19	15.00	13.49	12.13	7.73	0.10	0.00	0.00	0.00	0.40	63.23
1979	0.00	1.45	3.20	5.89	9.95	7.45	0.50	0.00	0.00				
1980										0.00	0.00	0.00	
1981	0.00	0.00	2.73	9.60	2.57	11.60	1.25	0.00	0.00	0.00	0.00	0.00	27.75
1982	1.85	3.45	3.90	8.39	2.16	11.81	13.61	0.00	0.00	0.00	0.10	0.60	45.87
1983	3.02	14.51	8.50	12.43	14.65	11.01	5.42	0.35	0.00	0.00	0.94	0.20	71.03
1984	3.05	9.18	10.00	0.20	1.04	2.47	0.86	0.00	0.00	0.00	0.00	0.00	26.80
1985	2.72	5.69	4.09	1.40	3.96	6.34	1.10	0.00	0.00	0.00	0.00	0.00	25.30
1986	0.00	2.10	7.85	3.49	25.07	10.15	0.17	0.00	0.00	0.00	0.00	1.85	50.68
1987	0.00	0.45	1.20	4.50	4.40	6.25	0.57	0.00	0.00				
Sum	36.05	140.26	145.90	185.10	169.82	155.05	74.52	8.91	1.38	0.09	3.41	10.55	885.23
N	27	27	27	27	27	27	27	27	27	26	26	26	25
Mean	1.34	5.19	5.40	6.86	6.29	5.74	2.76	0.33	0.05	0.00	0.13	0.41	35.41
Max	3.92	14.51	20.46	37.15	25.07	12.13	13.61	3.56	0.64	80.0	2.19	3.78	71.03
Min	0.00	0.00	0.34	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.62
STD	1.36	4.23	4.38	7.28	6.57	3.72	3.30	0.77	0.13	0.02	0.45	0.85	16.42

STATION NAME: CSA NO 13

LOCATION: OCEANO GAGE NO: 157.1 ELEVATION: 80.0 FEET BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 32 SOUTH RANGE: 13 EAST SECTION: 32D

LONGITUDE: 35-06-16 LATITUDE: 120-36-35 RECORD BEGAN: 1960

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1960	0.00	0.00	0.00	4.08	5.42	1.03	2.56	0.00	0.00	0.00	0.00	0.00	13.09
1961	0.51	5.78	1.29	1.08	0.34	0.94	0.29	0.08	0.00	0.00	0.03	0.00	10.34
1962	0.00	1.70	1.46	3.57	9.49	1.16	0.05	0.08	0.00	0.00	0.00	0.00	17.51
1963	0.60	0.00	1.15	0.71	4.20	3.46	3.25	0.21	0.00	0.00	0.00	0.35	13.93
1964	1.98	2.38	0.30	1.70	0.00	1.82	1.05	0.61	0.30	0.00	0.00	0.20	10.34
1965	1.97	2.07	3.25	2.11	0.29	1.79	3.45	0.00	0.00	0.00	0.00	0.00	14.93
1966	0.00	6.38	3.43	1.99	1.14	0.15	0.06	0.00	0.00	0.00	0.00	1.55	14.70
1967	0.00	3.06	4.58	3.56	0.59	4.34	4.85	0.32	0.03	0.00	0.00	0.34	21.67

☐ Appendix B

B40

STATION NAME: CSA NO 13 LOCATION: OCEANO

Oct

0.00

2.77

0.45

0.11

0.14

1.36

0.70

1.59

1.38

0.00

0.00

0.00

0.83

0.00

0.84

1.26

2.36

0.63

0.25

0.00

1.93

0.00

0.70

0.00

0.50

0.58

0.39

1.28

Nov

3.94

1.63

1.20

3.90

1.25

5.03

3.85

0.42

0.12

0.72

0.33

2.02

0.56

0.00

1.13

2.49

2.44

2.42

3.79

0.40

1.14

1.44

0.40

0.22

0.60

0.00

1.85

1.48

79.98

1.95

6.38

0.00

1.71

41

27.57

0.67

2.77

0.00

0.78

41

94.58

2.31

7.25

0.00

1.76

41

129.95

3.17

13.15

0.00

2.73

41

139.01

3.39

11.23

0.00

3.14

41

Dec

1.81

2.67

1.33

4.43

471

1.70

1.32

2.68

0.15

1.39

7.25

1,03

2.27

2.20

1.29

1.55

4.07

2.87

1.00

1.62

3.40

5.11

0.00

0.30

3.19

3.82

1.18

1.08

Jan

0.81

13.15

3.76

1.85

0.57

6.14

6.41

0.46

0.00

0.81

6.34

3.67

5.82

2.99

3.08

6.08

0.00

1.08

1.34

2.13

1.60

0.90

2.15

0.82

2.10

5.89

2.35

10.47

GAGE NO: 157.1 ELEVATION: 80.0 FEET

Water Year

1968

1969

1970

1971

1972

1973

1974

1975

1976

1977

1978

1979

1980

1981

1982

1983

1984

1985

1986

1987

1988

1989

1990

1991

1992

1993

1994 1995 BASE & MERIDIAN: MOUNT DIABLO

Apr

0.81

1.80

0.04

0.91

0.54

0.00

1.42

1.06

0.59

0.14

4.75 0.38

0.44

0.45

4.52

2.16

0.24

0.10

0.30

0.30

3.15

0.37

0.36

0.38

0.04

0.10

1.10

0.88

May

0.00

0.00

0.00

1.06

0.00

0.01

0.00

0.04

0.00

1.94

0.00

0.05

0.33

0.00

0.00

0.29

0.00

0.00

0.00

0.10

0.10

0.12

0.95

0.00

0.00

0.23

0.63

2.37

Jun

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.03

0.00

0.00

0.00

0.00

0.00

0.14

0.00

0.00

0.00

0.00

0.00

0.07

0.00

0.00

0.13

0.00

0.00

0.00

0.64

TOWNSHIP: 32 SOUTH RANGE: 13 EAST SECTION: 32D

Mar

1.33

0.89

2.87

0.55

0.00

3.64

6.04

2.65

0.98

1.52

6.37

2.65

1.79

7.70

5.49

6.31

0.62

1.31

5,59

4.97

0.70

1.55

0.10

9.86

2.86

3.86

1.48

9.57

Feb

1.22

9.17

1.09

0.11

0.59

5.11

0.16

3.29

4.43

0.13

7.25

4.55

5.73

1.73

1.34

8.10

0.30

1.10

5.46

2.38

2.63

0.90

1.46

2.02

8.18

5.93

3.36

1.40

LONGITUDE: 35-06-16 LATITUDE: 120-36-35 RECORD BEGAN: 1960 Jul Aug Sep Total 9.92 0.00 0.00 0.00 0.00 0.00 32.18 0.10 0.00 0.00 0.00 10.74 0.00 0.00 0.10 13.02 7.84 0.00 0.00 0.04 0.00 0.07 23.06 0.00 0.03 0.00 0.00 19.93 0.00 0.00 0.03 12.22 12.00 0.00 1.10 3.22 0.00 0.02 6.67 0.00 0.00 33.58 0.00 1.29 0.00 0.00 0.13 14.48 0.20 0.00 0.00 17.97 15.07 0.00 0.00 0.00 0.00 0.00 0.06 17.89 0.00 0.49 0.00 28.73 0.00 0.00 0.00 10.03 0.30 9.93 0.00 0.12 0.10 0.00 1.10 18.93 11.90 0.00 0.00 0.00 0.00 14.72 0.00 0.00 0.00 0.00 1.30 11.69 0.00 0.00 0.60 6.72 0.00 13.73 0.00 0.00 0.67 0.00 0.00 18.14 0.00 0.00 0.00 20.41 0.00 0.08 0.74 13.16 0.00 0.00 0.00 29.17 4

For 1960-95 Water Y	'ears												
Sum	25.11	66.14	80.88	111.57	110.59	107.94	42.89	9.52	1.34	1.10	1.82	11.44	570.34
N	36	36	36	36	36	36	36	36	36	36	36	36	36
Mean	0.70	1.84	2.25	3.10	3.07	3.00	1.19	0.26	0.04	0.03	0.05	0.32	15.84
Mean for 1984-95													
Water Years*	0.72	1.35	2.30	2.57	2.93	3.54	0.61	0.38	0.07	0.06	0.02	0.34	14.88
Max	2.77	6.38	7.25	13.15	9.49	9.86	4.85	2.37	0.64	0.67	1.10	3.22	33.58
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.67
STD	0.77	1.67	1.63	2.86	2.82	2.60	1.41	0.53	0.12	0.12	0.20	0.65	6.65
1996	0.00	0.45	2,13	2.50	7.21	1.53	0.83	0.45	0.00	0.00	0.00	0.00	15.10
1997	2.16	4.17	6.88	6.28	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	19.57
1998	0.00	5.48	3.80	4.39	11.23	3.87	3.37	2.46	0.00	0.00	0.00	0.13	34.73
1999	0.30	2.32	0.86	2.56	1.59	4.82	2.30	0.00	0.00	0.00	0.00	0.00	14.75
2000	0.00	1.42	0.03	2.65	8.39	1.17	3.05	0.15	0.20	0.00	0.00	0.14	17.20

*Hydrologic base period for this study

For 1960-2000 Water Years

Sum

Ν

Mean

Max

Min

STD

119.33

2.91

9.86

0.00

2,53

41

52.44

1.28

4.85

0.00

1.42

41

12.58

0.31

2.46

0.00

0.61

41

1.54

0.04

0.64

0.00

0.11

41

1.18

0.03

0.67

0.00

0.11

41

1.82

0.04

1.10

0.00

0.18

41

11.71

0.29

3 22

0.00

0.61

41

671.69

16.38

34 73

6.67

6.91

41

STATION NAME: PENNY RANCH

LOCATION: NIPOMO 4.5 N

GAGE NO: 175.1

ELEVATION: 520.0 FEET

BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 32 SOUTH

RANGE: 14 EAST SECTION: 33C LONGITUDE: 35-06-11 LATITUDE: 120-28-56 RECORD BEGAN: 1966

ELEVATION: 520.0	FEET			8	ECTION:	33C							
Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1966	0.00	1.19	4.20	1.98	1.68	0.00	0.20	0.00	0.00	0.15	0.00	1.12	10.52
1967	0.00	5.20	12.95	6.72	0.75	0.12	7.36	0.00	0.00	0.00	0.00	0.55	33.65
1968	0.00	2.65	2.20	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.70
1969	3.05	1.97	2.37	4.30	12.35	1.10	3.10	0.00	0.00				
1970													
1971													
1972													
1973													
1974													
1975													
1976													
1977										0.00	0.00	1.53	
1978	0.00	2.25	1.20	11.00	10.17	8.05	5.25	0.00	0.00				
1979										0.00	0.00	0.25	
1980	1.65	1.15	2.30	8.25	7.25	0.00	0.50	0.00	0.00				
1981										0.00	0.00	0.00	
1982	1.25	3.93	2.25	4.60	1.85	6.10	2.45	0.05	0.15	0.00	0.00	0.72	23.35
1983	1.90	5.20	3.40	6.30	9.09	8.50	2.80	0.10	0.00	0.00	0.50	0.43	38.22
1984	2.50	5.27	3.03	0.15	0.40	1.10	0.65	0.00	0.00	0.00	0.00	0.00	13.10
1985	1.55	3.50	2.55	1.30	2.45	2.30	0.05	0.00	0.00	0.01	0.00	0.00	13.71
1986	0.50	2.35	1.30	2.35	7.50	7.25	0.90	0.00	0.00	0.15	0.00	0.20	22.50
1987	0.00	0.30	2.15	2.45						0.00	0.00	0.00	
1988	2.86	1.27	3.77	2.48	2.62	0.84	4.07	0.16	0.00	0.00	0.00	0.00	18.07
1989	0.00	2.67	7.58	1.04	1.59	2.60	0.44	0.05	0.00	0.00	0.00	1.11	17.08
1990	1.25	0.60	0.01	3.36	2.87	0.55	0.27	1.25	0.00	0.00	0.00	1.02	11.18
1991	0.00	0.40	0.85	1.24	2.27	14.63	0.31	0.00	0.26	0.00	0.00	0.00	19.96
1992	0.00	0.00	5.29	2.97	9.40	3.62	0.00	0.00	0.00	1.15	0.00	0.00	22.43
1993	0.30	0.00	5.10	8.73	7.93	4.72	0.00	0.00	0.00	0.48	0.00	0.00	27.26
1994	0.20	2.10	2.05	2.80	4.52	1.57	1.25	1.23	0.00	0.00	0.00	0.45	16.17
1995	1.10	2.14	0.85	14.35	2.66	11.60	0.31	1.10	1.00	0.00	0.00	0.00	35.11
For 1966-95 Water	Years												
Sum	17.01	42.00	64.55	73.87	84.69	63.05	29.60	2.84	0.41	1.94	0.50	7.38	293.90
N	19	19	19	19	18	18	18	18	18	19	19	19	15
Mean	0.90	2.21	3.40	3.89	4.71	3.50	1.64	0.16	0.02	0.10	0.03	0.39	19.59
Mean for 1984-95													
Water Years*	0.86	1.72	2.88	3.60	4.02	4.62	0.75	0.34	0.11	0.15	0.00	0.23	19.69
Max	3.05	5.27	12.95	11.00	12.35	14.63	7.36	1.25	0.26	1.15	0.50	1.53	38.22
Min	0.00	0.00	0.01	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.70
STD	1.04	1.70	2.83	2.90	3.77	3.90	2.06	0.38	0.07	0.27	0.11	0.48	8.37
1996	0.00	0.59	0.36	4.71	10.02	1.89	1.45	0.94	0.00	0.00	0.00	0.00	19.96
1997	3.35	5.38	8.90	10.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.05
1998	0.00	5.73	4.08	6.24	16.03	4.29	4.18	4.85	0.07				
For 1966-98 Water	Years												
Sum	21.46	55.84	78.74	109.59	113.40	80.83	35.54	9.73	1.48	1.94	0.50	7.38	377.02
N	23	23	23	23	22	22	22	22	22	22	22	22	18
Mean	0.93	2.43	3.42	4.76	5.15	3.67	1.62	0.44	0.07	0.09	0.02	0.34	20.95
Max	3.35	5.73	12.95	14.35	16.03	14.63	7.36	4.85	1.00	1.15	0.50	1.53	38.22
Min	0.00	0.00	0.01	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.70
STD	1.11	1.85	2.94	3.61	4.45	4.01	1.99	1.05	0.21	0.25	0.10	0.46	8.60

^{*}Hydrologic base period for this study

[☐] Appendix B

STATION NAME: CORPORATE YARD

LOCATION: ARROYO GRANDE

GAGE NO: 177.1 ELEVATION: 85.0 FEET BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 32 SOUTH RANGE: 13 EAST

SECTION: 29F

LONGITUDE: 35-06-47 LATITUDE: 120-36-25

	:												
Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1967	0.08	2.73	2.36	2.67	1.20	3.29	3.63	0.25	0.00	0.00	0.00	0.25	16.46
1968	0.00	2.06	1.35	0.44	0.92	2.23	0.80	0.00	0.00	0.00	0.00	0.00	7.80
1969	2.40	1.80	2.60	10.05	6.55	0.97	1.73	0.00	0.00	0.00	0.00	0.00	26.10
1970	0.65	1.00	1.10	3.14	2.30	1.32	0.00	0.00	0.00	0.00	0.00	0.00	9.51
1971	0.20	4.30	4.20	1.20	0.00	1.89	1.04	0.25	0.00	0.00	0.00	0.00	13.08
1972	0.15	1.40	4.00	0.50	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.05	6.55
1973	1.40	4.55	1.55	6.20	4.96	3.57	0.00	0.00	0.00	0.00	0.00	0.09	22.32
1974	0.80	4.05	2.90	6.15	0.00	6.25	0.95	0.00	0.00	0.00	0.00	0.00	21.10
1975	1.39	0.47	3.70	0.02	4.00	2.23	1.15	0.00	0.00	0.00	0.00	0.02	12.98
1976	1.10	0.15	0.17	0.10	3.34	1,17	0.65	0.00	0.05	0.00	1.15	2.90	10.78
1977	0.00	0.70	1.45	0.69	0.15	1.86	0.00	2.15	0.00	0.00	0.00	0.06	7.06
1978	0.03	0.24	5.92	6.63	7.54	4.42	4.78	0.00	0.00	0.00	0.00	1.27	30.83
1979	0.00	2.28	1.26	4.30	4.71	3.02	0.40	0.00	0.00	0.00	0.00	0.11	16.08
1980	0.86	0.61	1.66	5.48	5.53	2.21	0.57	0.32	0.00	0.12	0.00	0.12	17.48
1981	0.00	0.00	1.70	3.27	2.15	7.56	0.04	0.00	0.00				
1982													
1983													
1984													
1985													
1986													
1987													
1988													
1989													
1990										0.00	0.00	0.00	0.00
1991	0.40	0.52	2 02	2.33	8.18	1.81	0.00	0.00	0.00	0.57	0.00	0.00	16.64
1992 1993	0.40 0.10	0.52	2.83 3.82	5.40	6.16	4.44	0.00	0.00	0.05	0.00	0.00	0.00	20.83
1994	0.10	2.00	1.21	2.44	3.54	1.61	1.20	0.75	0.00	0.00	0.00	0.56	13.68
1995	1.35	1.93	1.13	10.33	1.45	7.40	0.00	0.00	0.00	0.00	0.00	0.00	23.59
1995	1.00	1.55	1.10	10.00	1.40	7.40	0.00	0.00	0.00	0.00	0.00	0.00	
For 1967-95 Water \													
Sum	11.28	31.29	44.91	71.34	63.13	57.25	17.05	3.97	0.10	0.69	1.15	5.43	292.87
N	19	19	19	19	19	19	19	19	19	19	19	19	19
Mean	0.59	1.65	2.36	3.75	3.32	3.01	0.90	0.21	0.01	0.04	0.06	0.29	15.41 30.83
Max	2.40	4.55	5.92	10.33	8.18	7.56	4.78	2.15	0.05 0.00	0.57 0.00	1.15 0.00	2.90 0.00	0.00
Min	0.00	0.00	0.17	0.02	0.00	0.00 2.08	0.00 1.26	0.00 0.49	0.00	0.00	0.00	0.68	7.43
STD	0,66	1.39	1.40	3.07	2.58	2.00	1.20	0.49	0.02	0.13	0.20	0.00	7.43
1996	0.00	0.50	1.25	3.05	7.80	1.60	1.15	0.45	0.00	0.00	0.00	0.00	15.80
1997	2.10	4.65	7.45	3.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.65
1998	0.00	5.40	4.10	4.70	9.90	4.00	1.90	2.60	0.00	0.00	0.00	0.15	32.75
1999	0.30	3.00	0.70	3.05	1.35	4.45	2.20	0.00	0.00	0.00	0.00	0.00	15.05
2000	0.00	1.55	0.00	2.80	9.60	1.60	3.15	0.00	0.00	0.00	0.00	0.50	19.20
For 1967-2000 Water											,		000.00
Sum	13.68	46.39	58.41	88.39	91.78	68.90	25.45	7.02	0.10	0.69	1.15	6.08	393.32
N	24	24	24	24	24	24	24	24	24	24	24	24	24
Mean	0.57	1.93	2.43	3.68	3.82	2.87	1.06	0.29	0.00	0.03	0.05	0.25	17.10
Max	2.40	5.40	7.45	10.33	9.90	7.56	4.78	2.60	0.05 0.00	0.57	1.15 0.00	2.90 0.00	32.75 6,55
Min	0.00	0.00	0.00	0.02 2.75	0.00 3.15	0.00 2.02	0.00 1.26	0.00 0.66	0.00	0.00 0.12	0.00	0.62	6.81
STD	0.69	1.59	1.77	2.15	3.15	2.02	1.20	0.00	0.01	0.12	0.23	0.02	0.01

STATION NAME: LOPEZ DAM LOCATION: LOPEZ RESERVOIR

GAGE NO: 178.1

ELEVATION: 547.0 FEET

BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 31 SOUTH

RANGE: 14 EAST SECTION: 33E

LONGITUDE: 35-11-12 LATITUDE: 120-29-03

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1968	0.00	3.12	2.73	1.38	1.25	2.94	1.62	0.22	0.00	0.00	0.00	0.00	13.26
1969	2.85	1.92	3.41	18.39	9.93	1.10	2.57	0.00	0.08	0.00	0.00	0.10	40.35
1970	0.83	0.75	1.27	5.97	1.91	3,01	0.00	0.00	0.00	0.00	0.00	0.00	13.74
1971	0,25	5.89	5.49	1.80	0.13	1.13	1.10	0.86	0.00	0.00	0.00	0.05	16.70
1972	0.18	1.42	5.72	0.47	0.65	0.00	0.60	0.51	0.00	0.00	0.00	0.03	9.58
1973	1.42	4.89	1.85	6.63	7.69	4.23	0.00	0.00	0.02	0.00	0.00	0.10	26.83
1974	0.64	4.39	4.04	7.16	0.20	7.00	2.03	0.00	0.00	0.00	0.00	0.00	25.46
1975	1.60	0.91	4.64	0.16	4.20	4.61	1.43	0.00	0.00	0.00	0.00	0.00	17.55
1976	1.60	0.32	0.11	0.00	4.19	2.07	0.94	0.00	0.00	0.00	0.70	4.18	14.11
1977	0.70	0.78	1.35	0.95	0.05	1.35	0.00	2.29	0.00	0.00	0.00	0.05	7.52
1978	0.03	0.63	7.93	8.22	7.49	6.21	3.96	0.00	0.03	0.00	0.00	1.25	35.75
1979	0.00	1.82	1.52	4.23	4.19	4.75	0.40	0.00	0.00	0.00	0.00	0.08	16.99
1980	1.17	0.72	2.02	7.82	7.89	2.50	0.78	0.47	0.00	0.10	0.00	0.00	23.47
1981	0.00	0.00	1.15	4.88	1.00	7.30	0.45	0.00	0.00	0.00	0.00	0.00	14.78
1982	0.65	2.10	1.70	3.85	1.70	7.08	5.32	0.00	0.08	0.00	0.79	0.60	23.87
1983	1.55	6.60	2.90	7.09	8.64	8.37	2.62	0.18	0.00	0.00	0.70	0.00	38.65
1984	3.00	4.95	5.14	0.05	0.50	0.85	0.55	0.00	0.00	0.00	0.00	0.00	15.04
1985	1.10	3.24	2.70	0.87	2.02	2.46	0.07	0.00	0.00	0.00	0.05	0.07	12.58
1986	0.50	3.99	1.00	1.95	6.61	7.78	0.35	0.00	0.00	0.00	0.00	1.15	23.33
1987	0.00	0.00	1.33	2.36	2.85	3.70	0.00	0.00	0.00	0.00	0.00	0.00	10.24
1988	2.60	1.36	3.90	2.25	2.22	1.05	3.72	0.10	0.00	0.00	0.00	0.00	17.20
		2.69	6.02	0.75	1.41	1.92	0.30	0.02	0.00	0.00	0.00	0.98	14.09
1989 1990	0.00 0.98	0.47	0.02	2.61	2.13	0.33	0.32	1.02	0.00	0.00	0.00	0.46	8.44
		0.50	0.12	0.82	2.13	12.52	0.10	0.00	0.35	0.00	0.04	0.00	17.01
1991	0.00 0.80	0.50	4.25	2.53	7.89	2.87	0.00	0.00	0.00	0.80	0.00	0.00	19.66
1992		0.00	4.23	7.66	8.45	4.63	0.07	0.00	0.49	0.00	0.00	0.00	27.34
1993	2,02			2.40	4.60	0.75	1.56	0.70	0.00	0.00	0.03	0.43	14.41
1994	0.30	2.04	1.60	12.95	2.15	11.18	0.62	2.16	0.70	0.00	0.00	0.00	35.51
1995	1.95	2.35	1.45	12.95	2.10	11.10	0.02	2.10	0.70	0.00	0.00	0.00	00.01
For 1968-95 Water \	/ears												
Sum	26.72	58.37	79.79	116.20	104.18	113.69	31.48	8.54	1.75	0.90	2.31	9.53	553.46
N	28	28	28	28	28	28	28	28	28	28	28	28	28
Mean	0.95	2.08	2.85	4.15	3.72	4.06	1.12	0.31	0.06	0.03	0.08	0.34	19.77
Mean for 1984-95													
Water Years*	1,10	1.84	2.66	3.10	3.59	4.17	0.64	0.33	0.13	0.07	0.01	0.26	17.90
Max	3.00	6.60	7.93	18.39	9.93	12.52	5.32	2.29	0.70	0.80	0.79	4.18	40.35
Min	0.00	0.00	0.11	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.52
STD	0.90	1.86	1.97	4.19	3.03	3.23	1.36	0.60	0.16	0.15	0.23	0.82	8.96
1996	0.00	0.75	1.24	3.26	6.59	1.41	0.15	0.00	0.00	0.00	0,00	0.00	13.40
1997	2.51	4.65	7.93	7.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	23.13
1998	0.00	6.06	2.21	5.12	11.06	4.07	3.07	3.15	0.00	0.00	0.00	0.10	34.84
1999	0.23	1.15	0.97	3.11	1.45	3.20	1.30	0.00	0.00	0.00	0.00	0.00	11.41
2000	0.00	1.51	0.00	2.57	8.49	1.68	2.76	0.10	0.20	0.00	0.00	0.02	17.33
For 1968-2000 Wate	or Voore												
	29,46	72.49	92.14	138.20	131.77	124.05	38.76	11.79	1.95	0.90	2.31	9.75	653.57
Sum N	33	33	33	33	33	33	33	33	33	33	33	33	33
Mean	0.89	2.20	2.79	4.19	3.99	3.76	1.17	0.36	0.06	0.03	0.07	0.30	19.81
		6.60	7.93	18.39	11.06	12.52	5.32	3.15	0.70	0.80	0.79	4.18	40.35
Max	3.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.52
Min	0.00	0.00					1.35	0.75	0.00	0.00	0.00	0.76	8.88
STD	0.92	1.92	2.12	3.93	3.30	3.11	1.33	0.75	0.13	Ų. 14	0.21	0.70	0.00

^{*}Hydrologic base period for this study

[☐] Appendix B

STATION NAME: TAR SPRINGS USGS LOCATION: ARROYO GRANDE 3 ENE

GAGE NO: 178.2

ELEVATION: 290.0 FEET

BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 32 SOUTH

RANGE: 13 EAST SECTION: 23H

LONGITUDE: 35-07-56 LATITUDE: 120-32-30

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1969	2.44	0.91	2.83	10.43	7.30	1.16	2.28	0.06	0.06	0.00	0.00	0.00	27.47
1970	0.53	0.68	0.97	3.67	2.00	1.74	0.00	0.00	0.00	0.00	0.00	0.00	9.59
1971	0.15	4.95	4.64	1.75	0.04	0.76	0.91	1.07	0.00	0.00	0.00	0.00	14.27
1972	0.29	1.29	4.81	0.56	0.37	0.00	0.71	0.00	0.00	0.07	0.00	0.06	8.16
1973	1.18	1.82	4.75	6.57	6.67	4.18	0.00	0.00	0.00	0.00	0.00	0.00	25.17
1974	0.66	3.53	3.07	6.51	0.13	5.70	1.19	0.00	0.00	0.00	0.00	0.00	20.79
1975	1.14	0.33	4.11	0.04	3.92	3.21	1.06	0.00	0.00	0.00	0.00	0.00	13.81
1976	1.29	0.05	0.05	0.00	4.73	0.91	0.49	0.00	0.00				
Sum	7.68	13.56	25.23	29.53	25.16	17.66	6.64	1.13	0.06	0.07	0.00	0.06	119.26
N	8	8	8	8	8	8	8	8	8	7	7	7	7
Mean	0.96	1.70	3.15	3.69	3.15	2.21	0.83	0.14	0.01	0.01	0.00	0.01	17.04
Max	2.44	4.95	4.81	10.43	7.30	5.70	2.28	1.07	0.06	0.07	0.00	0.06	27.47
Min	0.15	0.05	0.05	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.16
STD	0.69	1.60	1.69	3.57	2.75	1.84	0.69	0.35	0.02	0.02	0.00	0.02	6.98

STATION NAME: TREATMENT PLANT LOCATION: LOPEZ TERMINAL RESERVOIR

GAGE NO: 179.1

ELEVATION: 335.0 FEET

BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 32 SOUTH

RANGE: 13 EAST SECTION: 1G

LONGITUDE: 35-10-13 LATITUDE: 120-31-57

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1970	0.40	1.09	0.80	4.83	0.66	3.08	0.11	0.00	0.00	0.00	0.00	0.00	10.97
1971	0.25	5.31	4.99	1.46	0.15	0.96	1.01	1.00	0.00	0.00	0.00	0.04	15.17
1972	0.44	1.39	5.02	0.44	0.40	0.00	0.55	0.08	0.11	0.00	0.00	0.03	8.46
1973	1.21	4.62	1.97	5.20	6.20	4.39	0.00	0.03	0.02	0.00	0.00	0.10	23.74
1974	0.83	3.55	3.09	7.21	0.17	6.16	1.29	0.00	0.00	0.05	0.00	0.00	22.35
1975	1.40	0.79	2.61	0.27	3.78	3.03	1.06	0.00	0.00	0.00	0.00	0.00	12.94
1976	1.05	0.28	0.24	0.00	2.96	1.89	0.85	0.00	0.00	0.00	1.20	3.54	12.01
1977	0,26	0.69	1.21	0.94	0.08	1.57	0.04	3.03	0.00	0.00	0.03	0.05	7.90
1978	0.01	0.31	6.15	5.89	6.65	5.80	3.80	0.00	0.02	0.00	0.00	1.19	29.82
1979	0.00	2.19	1.44	3.67	3.70	4.55	0.51	0.05	0.00	0.00	0.00	0.09	16.20
1980	1,21	0.61	1.89	6.37	5.88	2.29	0.78	0.44	0.00	0.22	0.00	0.00	19.69
1981	0.02	0.00	0.82	4.09	2.28	7.17	0.44	0.02	0.00	0.00	0.00	0.00	14.84
1982	0.64	1.78	1.62	3.37	1.49	6.06	4.85	0.02	0.13	0.00	0.00	0.63	20.59
1983	1.35	4.67	2.31	5.59	9.15	6.57	2.00	0.53	0.00	0.00	0.89	0.07	33.13
1984	2.10	3.17	4.39	0.14	0.49	0.90	0.51	0.00	0.00	0.00	0.00	0.00	11.70
1985	1.56	3.10	2.41	1.21	1.97	2.57	0.03	0.00	0.00	0.00	0.02	0.07	12.94
1986	0.38	3.48	0.67	1.31	4.30	6.65	0.40	0.00	0.00	0.04	0.00	1.40	18.63
1987	0.00	0.20	1.70	2.40	2.42	3.85	0.06	0.03	0.00	0.00	0.00	0.00	10.66
1988	2.30	1.28	3.59	1.72	2.27	0.26	3.10	0.10	0.07	0.00	0.00	0.00	14.69
1989	0.00	2.13	6.79	0.91	1.18	1.52	0.20	0.07	0.00	0.00	0.00	0.41	13.21
1990	0.91	0.42	0.03	2.07	1.83	0.27	0.31	0.93	0.00	0.00	0.00	0.73	7.50
1991	0.00	0.31	0.69	0.89	1.99	12.92	0.21	0.00	0.26	0.00	0.06	0.00	17.33
1992	0.68	0.54	3.99	3.01	7.73	2.17	0.02	0.00	0.00	0.61	0.00	0.00	18.75
1993	2.11	0.00	4.29	6.87	6.51	4.75	0.12	0.27	0.47	0.00	0.00	0.00	25.39
1994	0.19	2.13	1.46	2.54	3.54	0.81	1.52	0.80	0.00	0.00	0.03	0.97	13.99
1995	2.03	2.27	1.47	10.85	1.85	10.10	0.76	1.69	0.65	0.00	0.00	0.00	31.67
For 1970-95 Water	Years												
Sum	21.33	46.31	65.64	83.25	79.63	100.29	24.53	9.09	1.73	0.92	2.23	9.32	444.27
N	26	26	26	26	26	26	26	26	26	26	26	26	26
Mean	0.82	1.78	2.52	3.20	3.06	3.86	0.94	0.35	0.07	0.04	0.09	0.36	17.09
Mean for 1984-95													
Water Years*	1.02	1.59	2.62	2.83	3.01	3.90	0.60	0.32	0.12	0.05	0.01	0.30	16.37
Max	2.30	5.31	6.79	10.85	9.15	12.92	4.85	3.03	0.65	0.61	1.20	3.54	33.13
Min	0.00	0.00	0.03	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.50
STD	0.74	1.55	1.81	2.67	2.50	3.12	1.21	0.68	0.16	0.12	0.28	0.75	6.95
1996	0.03	0.70	1.88	4.13	9.01	2.05	1.05	0.80	0.00	0.15	0.00	0.03	19.83
1997	3.18	5.01	9.07	9.09	0.15	0.00	0.00	0.00	0.00	0.11	0.06	0.05	26.72
1998	0.00	5.47	3.21	5.28	10.80	5.48	3.80	3.39	0.03	0.00	0.00	0,23	37.69
1999	0.32	2.15	1.20	3.08	1.87	4.16	2.61	0.00	0.01	0.00	0.06	0.00	15.46
2000	0.00	1.68	0.09	3.27	8.65	1.84	3.36	0.12	0.15	0.00	0.00	0.07	19.23
For 1970-2000 Wat	er Years												
Sum	24.86	61.32	81.09	108.10	110.11	113.82	35.35	13.40	1.92	1.18	2.35	9.70	563.20
N	31	31	31	31	31	31	31	31	31	31	31	31	31
Mean	0.80	1.98	2.62	3.49	3.55	3.67	1.14	0.43	0.06	0.04	0.08	0.31	18.17
Max	3.18	5.47	9.07	10.85	10.80	12.92	4.85	3.39	0.65	0.61	1.20	3.54	37.69
Min	0.00	0.00	0.03	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.50
STD	0.84	1.67	2.10	2.68	3.07	2.99	1.32	0.83	0.14	0.12	0.26	0.70	7.52

^{*}Hydrologic base period for this study

[☐] Appendix B

STATION NAME: WASTEWATER PLANT

LOCATION: LOPEZ LAKE

GAGE NO: 193,0

ELEVATION: 530.0 FEET

BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 31 SOUTH RANGE: 14 EAST

SECTION: 27B

LONGITUDE: 35-12-12 LATITUDE: 120-27-32

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1973	1.69	4.84	2.23	6.75	8.43	4.60	0.00	0.00	0.00	0.00	0.00	0.00	28.54
1974	1.04	5.39	4.22	7.33	0.31	7.07	0.89	0.00	0.00	0.05	0.00	0.00	26.30
1975	2.17	1.04	4.60	0.18	4.74	4.91	1.69	0.00	0.00	0.00	0.00	0.00	19.33
1976	1.73	0.39	0.25	0.02	4.10	2.42	1.20	0.00	0.00	0.00	1.06	4.15	15.32
1977	0.75	0.68	1.72	1.17	0.22	1.50	0.01	2.57	0.00	0.00	0.03	0.03	8.68
1978	0.06	0.71	8.66	7.74	8.55	6.87	3.88	0.00	0.03	0.00	0.00	1.41	37.91
1979	0.00	1.79	1.67	4.87	5.21	5.00	0.47	0.02	0.00	0.00	0.00	0.12	19.15
1980	1.37	1.00	2.16	9.24	3.93	2.96	0.97	0.54	0.00	0.17	0.00	0.00	22.34
1981	0.04	0.00	1.17	5.76	2.62	8.61	0.61	0.00	0.00	0.00	0.00	0.00	18.81
1982	1.08	2.27	2.41	4.68	1.92	7.00	5.76	0.03	80.0	0.00	0.00	0.73	25.96
1983	2.20	6.94	3.32	8.07	9.33	9.14	3.18	0.32	0.00	0.00	0.76	0.07	43.33
1984	2.47	5.73	5.98	0.13	0.79	0.89	0.66	0.00	0.00	0.00	0.00	0.00	16.65
1985	1.64	4.09	2.97	1.16	1.91	3.26	0.13	0.00	0.00	0.00	0.16	0.05	15.37
1986	0.55	4.45	1.18	2,27	7.50	8.26	0.45	0.00	0.00	0.00	0.00	1.04	25.70
1987	0.00	0.35	1.60	2.81	2.76	4.18	0.31	0.02	0.03	0.00	0.00	0.00	12.06
1988	1.48	1.16	3.84	2.35	2.19	0.84	3.68	0.18	0.02	0.00	0.00	0.01	15.75
1989	0.00	3.03	7.13	0.96	1.74	2.40	0.28	0.03	0.00	0.00	0.00	1.15	16.72
1990	1.11	0.50	0.08	3.09	1.79	0.65	0.36	0.96	0.00	0.00	0.00	0.70	9.24
1991	0.00	0.52	0.87	0.89	2.41	13.98	0.20	0.00	0.19	0.00	0.04	0.00	19.10
1992	0.87	0.79	4.30	2.66	9.08	3.18	0.02	0.00	0.02	0.40	0.00	0.00	21.32
1993	1.91	0.00	4.44	8.31	8.91	4.83	0.26	0.17	0.70	0.00	0.00	0.00	29.53
1994	0.45	2.00	1.80	2.51	5.06	1.31	1.67	0.92	0.00	0.00	0.01	0.62	16.35
1995	1.81	2.87	1.47	14.02	2.25	12.01	0.91	1.59	0.78	0.00	0.00	0.00	37.71
For 1973-95 Water												40.00	504.47
Sum	24.42	50.54	68.07	96.97	95.75	115.87	27.59	7.35	1.85	0.62	2.06	10.08	501.17
N	23	23	23	23	23	23	23	23	23	23	23	23	23
Mean	1.06	2.20	2.96	4.22	4.16	5.04	1.20	0.32	0.08	0.03	0.09	0.44	21.79
Mean for 1984-95													
Water Years*	1.02	2.12	2.97	3.43	3.87	4.65	0.74	0.32	0.15	0.03	0.02	0.30	19.63
Max	2.47	6.94	8.66	14.02	9.33	13.98	5.76	2.57	0.78	0.40	1.06	4.15	43.33
Min	0.00	0.00	0.08	0.02	0.22	0.65	0.00	0.00	0.00	0.00	0.00	0.00	8.68
STD	0.80	2.03	2.13	3.56	2.97	3.53	1.48	0.63	0.21	0.09	0.26	0.90	8.82
1996	0.03	0.76	2.45	5.63	9.70	2.88	1.22	0.62	0.00	0.00	0.00	0.00	23.29
1997	3.75	5.28	10.15	11.43	0.26	0.00	0.00	0.00	0.00	0.10	0.00	0.46	31.43
1998	0.11	6.43	3.86	7.03	14.73	5.47	3.40	4.51	0.01	0.00	0.00	0.38	45.93
1999	0.11	2.37	1.83	4.79	2.01	4.08	2.55	0.00	0.00	0.00	0.00	0.00	17.90
2000	0.00	1.67	0.03	3.22	11.85	1.84	3.52	0.24	0.36	0.00	0.00	0.03	22.76
2000	0.00	1.07	0.00	U.ZZ	11.00	1.01	0.01						
For 1973-2000 Wat	er Years												
Sum	28.58	67.05	86.39	129.07	134.30	130.14	38.28	12.72	2.22	0.72	2.06	10.95	642.48
N	28	28	28	28	28	28	28	28	28	28	28	28	28
Mean	1.02	2.39	3.09	4.61	4.80	4.65	1.37	0.45	0.08	0.03	0.07	0.39	22.95
Max	3.75	6.94	10.15	14.02	14.73	13.98	5.76	4.51	0.78	0.40	1.06	4.15	45.93
Min	0.00	0.00	0.03	0.02	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.68
STD	0.95	2.10	2.44	3.54	3.84	3.40	1.50	0.97	0.20	0.08	0.24	0.83	9.35

STATION NAME: WASTEWATER PLANT

LOCATION: OCEANO GAGE NO: 194.0 ELEVATION: 10.0 FEET BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 32 SOUTH RANGE: 13 EAST SECTION: 31F

LONGITUDE: 35-06-05 LATITUDE: 120-37-26

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1973	1.32	4.29	1.46	6.00	4.34	3.45	0.00	0.01	0.00	0.00	0.05	0.05	20.97
1974	0.68	2.66	3.13	6.17	0.13	5.95	1.35	0.00	0.00	0.00	0.00	0.00	20.07
1975	1.25	0.55	3.55	0.20	3.43	2.17	0.92	0.00	0.05	0.00	0.00	0.07	12.19
1976	0.44	0.15	0.17	0.00	3.76	1.56	0.51	0.00	0.02	0.03	0.93	3.46	11.03
1977	0.23	0.72	1.14	1.11	0.09	1.50	0.02	2.20	0.00	0.00	0.00	0.04	7.05
1978	0.05	0.29	5.78	5.89	5.94	6.21	4.09	0.00	0.02	0.00	0.00	1.55	29.82
1979	0.00	1.69	1.32	4.53	3.85	2.39	0.28	0.03	0.00	0.00	0.00	0.20	14.29
1980	0.68	0.55	2.00	5.43	5.59	2.33	0.61	0.31	0.00	0.07	0.08	0.00	17.65
1981	0.06	0.01	2.04	3.24	2.33	7.05	0.37	0.00	0.00	0.00	0.00	0.00	15.10
1982	0.77	1.65	1.46	2.82	1.32	5.31	4.19	0.00	0.00	0.00	0.50	0.46	18.48
1983	1.23	3.30	1.53	6.99	8.06	6.57	7.73	0.50	0.00	0.00	0.41	0.00	36.32
1984	1.78	2.23	4.04	0.02	0.50	0.65	0.33	0.00	0.00	0.00	0.03	0.00	9.58
1985	0.66	2.71	2.70	0.80	1.18	1.31	0.04	0.00	0.00	0.00	0.02	0.08	9.50
1986	0.35	3.21	0.00	0.00	5.08	5.00	0.18	0.00	0.00	0.00	0.00	0.97	14.79
1987	0.00	0.33	1.34	2.15	1.93	4.56	0.00	0.11	0.05				
1988													
1989										0.00	0.00	1.74	
1990	1.25	0.60	0.03	2.47	2.71	0.41	0.10	1.17	0.00	0.00	0.00	0.45	9.19
1991	0.00	0.84	0.45	0.92	1.86	9.16	0.32	0.00	0.09	0.00	0.06	0.00	13.70
1992	0.47	0.37	2.72	1.93	9.48	2.66	0.05	0.00	0.00	0.72	0.00	0.00	18.40
1993	0.50	0.00	2.88	5.54	6.23	2.70	0.10	0.19	0.17				
1994										0.00	0.00	0.05	
1995	0.91	1.69	1.08	8.94	0.51	9.34	0.79	2.10	0.64				
Sum	12.63	27.84	38.82	65.15	68.32	80.28	21.98	6.62	1.04	0.82	2.08	9.12	278.13
N	20	20	20	20	20	20	20	20	20	19	19	19	17
Mean	0.63	1.39	1.94	3.26	3.42	4.01	1.10	0.33	0.05	0.04	0.11	0.48	16.36
Max	1.78	4.29	5.78	8.94	9.48	9.34	7.73	2.20	0.64	0.72	0.93	3.46	36.32
Min	0.00	0.00	0.00	0.00	0.09	0.41	0.00	0.00	0.00	0.00	0.00	0.00	7.05
STD	0.51	1.25	1.43	2.66	2.61	2.63	1.93	0.66	0.14	0.16	0.24	0.87	7.35

STATION NAME: POLICE DEPARTMENT

LOCATION: ARROYO GRANDE

GAGE NO: 195.1

ELEVATION: 115.0 FEET

BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 32 SOUTH

RANGE: 13 EAST SECTION: 2D

LONGITUDE: 35-07-12 LATITUDE: 120-35-26

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1974	0.77	3.00	2.96	7.09	0.16	5.45	1.70	0.00	0.00	0.00	0.00	0.00	21.13
1975	1.54	0.45	3.68	0.41	3.78	2.68	0.83	0.00	0.00	0.00	0.01	0.01	13.39
1976	1.11	0.15	0.11	0.00	2.64	1.47	0.64	0.00	0.03	0.00	1.03	2.57	9.75
1977	0.10	0.66	1.44	1.03	0.11	1.80	0.00	2.22	0.00	0.00	0.00	0.06	7.42
1978	0.01	0.25	6.36	6.42	6.63	6.23	4.47	0.00	0.00	0.00	0.00	1.25	31.62
1979	0.00	2.35	1.27	3.97	4.34	3.36	0.47	0.04	0.00	0.00	0.00	0.23	16.03
1980	0.98	0.63	2.33	5.87	5.67	1.88	0.51	0.35	0.00	0.11	0.00	0.00	18.33
1981	0.00	0.00	1.79	3.07	2.14	7.57	0.29	0.00	0.00	0.00	0.00	0.00	14.86
1982	0.75	1.64	1.16	3.00	1.40	5.58	4.60	0.00	0.12	0.00	0.08	0.44	18.77
1983	1.21	2.86	2.19	6.13	8.09	7.30	2.15	1.16	0.00	0.00	0.63	0.09	31.81
1984	1.65	3.06	4.49	0.04	0.48	0.67	0.57	0.00	0.00	0.00	0.00	0.01	10.97
1985	0.99	2.88	2.54	0.88	1.17	1.79	0.02	0.00	0.00	0.00	0.00	0.07	10.34
1986	0.35	3.72	0.91	1.36	5.53	5.40	0.31	0.00	0.00	0.00	0.00	1.02	18.60
1987	0.00	0.29	1.50	2.12	2.11	3.78	0.31	0.05	0.00	0.00	0.00	0.00	10.16
1988	1.66	0.96	3.50	1.75	2.19	0.00	2.34	0.08	0.07	0.00	0.00	0.00	12.55
1989	0.00	2.01	5.28	1.12	0.91	1.49	0.15	0.08	0.00				
1990										0.00	0.00	0.60	
1991	0.00	0.20	0.40	0.80	1.70	11.00	0.10	0.00	0.00				
1992													
1993										0.00	0.00	0.00	
1994	0.65	1.10	1.20	1.50	2.60	1.60	0.40	0.00	0.00	0.00	0.00	0.60	9.65
1995	0.30	1.09	0.90							0.00	0.00	0.00	
For 1974-95 Water	Years												
Sum	12,07	27.30	44.01	46.56	51.65	69.05	19.86	3.98	0.22	0.11	1.75	6.95	255.38
N	19	19	19	18	18	18	18	18	18	19	19	19	16
Mean	0.64	1.44	2.32	2.59	2.87	3.84	1.10	0.22	0.01	0.01	0.09	0.37	15.96
Max	1.66	3.72	6.36	7.09	8.09	11.00	4.60	2.22	0.12	0.11	1.03	2.57	31.81
Min	0.00	0.00	0.11	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.42
STD	0.59	1.18	1.65	2.27	2.26	2.84	1.39	0.55	0.03	0.02	0.26	0.63	7.09
1996	0.00	0.48	0.00	3.05	7.45	1.41	0.88	0.53	0.00	0.00	0.00	0.00	13.80
1997	2.30	4.95	7.10	7.63	0.06	0.03	0.00	0.00	0.00	0.07	0.01	0.00	22.15
1998	0.08	2.77	4.35	4.77	7.22	1.57	2.05	1.68	0.00				
For 1974-98 Water \	Years												
Sum	14.45	35.50	55.46	62.01	66.38	72.06	22.79	6.19	0.22	0.18	1.76	6.95	291.33
N	22	22	22	21	21	21	21	21	21	21	21	21	18
Mean	0.66	1.61	2.52	2.95	3.16	3.43	1.09	0.29	0.01	0.01	0.08	0.33	16.19
Max	2.30	4.95	7.10	7.63	8.09	11.00	4.60	2.22	0.12	0.11	1.03	2.57	31.81
Min	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.42
STD	0.68	1.36	1.94	2.39	2.56	2.83	1.32	0.61	0.03	0.03	0.25	0.61	6.86

STATION NAME: M. BOLDING - PRINTZ ROAD

LOCATION: ARROYO GRANDE 2N

GAGE NO: 200.0

ELEVATION: 300.0 FEET

BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 32 SOUTH

RANGE: 13 EAST SECTION: 15E LONGITUDE: 35-08-30 LATITUDE: 120-34-35

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1975	2.01	0.85	3.90	0.95	5.35	4.57	1.00	0.00	0.00	0.00	0.00	0.00	18.63
1976	1.28	0.21	0.18	0.00	3.87	1.75	0.91	0.00	0.00	0.00	1.33	3.13	12.66
1977	0.17	0.64	1.64	0.69	0.02	1.86	0.00	2.65	0.00	0.00	0.00	0.00	7.67
1978	0.00	0.50	7.15	7.15	7.53	5.62	3.99	0.00	0.00	0.00	0.00	1.31	33.25
1979	0.00	2.82	1.42	4.55	4.68	4.56	0.60	0.00	0.00				
Sum	3,46	5.02	14.29	13.34	21.45	18.36	6.50	2.65	0.00	0.00	1.33	4.44	72.21
N	5	5	5	5	5	5	5	5	5	4	4	4	4
Mean	0.69	1.00	2.86	2.67	4.29	3.67	1.30	0.53	0.00	0.00	0.33	1.11	18.05
Max	2.01	2.82	7.15	7.15	7.53	5.62	3.99	2.65	0.00	0.00	1.33	3.13	33.25
Min	0.00	0.21	0.18	0.00	0.02	1.75	0.00	0.00	0.00	0.00	0.00	0.00	7.67
STD	0.81	0.93	2.46	2.74	2.46	1.57	1.39	1.06	0.00	0.00	0.58	1.28	9.59

STATION NAME: COUNTY YARD LOCATION: ARROYO GRANDE

GAGE NO: 205.0 ELEVATION: 193.0 FEET BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 32 SOUTH RANGE: 13 EAST SECTION: 21L LONGITUDE: 35-07-33 LATITUDE: 120-35-20 RECORD BEGAN: 1983

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1982	0.84	0.80	0.65	2.46	0.96	4.12	2.90	0.00	0.05	0.00	0.00	0.61	13.39
1983	1.11	2.85	1.46	4.56	5.93	6.16	1.47	0.00	0.00	0.00	0.43	1.75	25.72
1984	0.00	2.77	3.18	0.00	0.34	0.50	0.87	0.00	0.00	0.00	0.00	0.00	7.66
1985	1,44	1.65	1.74	0.81	1.90	1.27	0.10	0.00	0.00	0.00	0.00	0.82	9.73
1986	0.80	1.52	2.45	1.31	5.58	6.09	0.00	0.00	0.00	0.00	0.00	0.00	17.75
1987	0.00	0.00	1.75	1.25	1.62	0.70	0.58	0.00	0.00	0.00	0.00	0.00	5.90
1988	1.33	1.14	3.10	1.67	2.12	0.45	2.62	0.00	0.00	0.00	0.00	0.00	12.43
1989	0.00	0.42	6.25	0.60	0.03	1.66	0.41	0.02	0.00	0.28	0.00	0.75	10.42
1990	0.52	0.25	0.00	1.36	1.34	0.30	0.00	0.87	0.00				
1991										0.66	0.00	0.00	
1992	0.41	0.85	2.25	2.16	6.30	2.24	0.00	0.00	0.00	0.00	0.00	0.00	14.21
1993	0.44	0.00	2.70	4.94	4.85	4.80	0.00	0.22	0.00	0.00	0.00	0.00	17.95
1994	0.00	1.84	0.06	1.41	3.39	1.05	1.47	0.66	0.00	0.00	0.00	0.03	9.91
1995	1.60	1.39	1.50	10.82	1.56	9.02	0.85	1.87	0.00	0.00	0.00	0.00	28.61
For 1982-95 Water \	ears												
Sum	8.49	15.48	27.09	33.35	35.92	38.36	11.27	3.64	0.05	0.94	0.43	3.96	173.68
N	13	13	13	13	13	13	13	13	13	13	13	13	12
Mean	0.65	1.19	2.08	2.57	2.76	2.95	0.87	0.28	0.00	0.07	0.03	0.30	14.47
Mean for 1984-95													
Water Years*	0.59	1.08	2.27	2.39	2.64	2.55	0.63	0.33	0.00	0.09	0.00	0.15	13.46
Max	1.60	2.85	6.25	10.82	6.30	9.02	2.90	1.87	0.05	0.66	0.43	1.75	28.61
Min	0.00	0.00	0.00	0.00	0.03	0.30	0.00	0.00	0.00	0.00	0.00	0.00	5.90
STD	0.56	0.90	1.56	2.75	2.11	2.70	0.95	0.53	0.01	0.19	0.11	0.52	6.67
1996	0.00	0.50	1.28	3.85	7.71	1.34	1.02	0.52	0.00				
1997													
1998													
1999	0.30	2.71	0.63	3.02	1.51	4.91	2.30	0.00	0.00	0.00	0.00	0.00	15.38
2000	0.00	1.06	0.05	2.57	7.61	1.29	3.31	0.10	0.20				
For 1982-2000 Wate	r Years												
Sum	8.79	19.75	29.05	42.79	52.75	45.90	17.90	4.26	0.25	0.94	0.43	3.96	189.06
N	16	16	16	16	16	16	16	16	16	14	14	14	13
Mean	0.55	1.23	1.82	2.67	3.30	2.87	1.12	0.27	0.02	0.07	0.03	0.28	14.54
Max	1.60	2.85	6.25	10.82	7.71	9.02	3.31	1.87	0.20	0.66	0.43	1.75	28.61
Min	0.00	0.00	0.00	0.00	0.03	0.30	0.00	0.00	0.00	0.00	0.00	0.00	5.90
STD	0.55	0.91	1.53	2.50	2.53	2.55	1.09	0.49	0.05	0.18	0.11	0.50	6.42

^{*}Hydrologic base period for this study

STATION NAME: HOLZINGERS COW CAMP

LOCATION: CRESTON GAGE NO: 205.2

ELEVATION: 193.0 FEET

BASE & MERIDIAN: MOUNT DIABLO

TOWNSHIP: 32 SOUTH RANGE: 13 EAST

SECTION: 21L

LONGITUDE: 35-07-33 LATITUDE: 120-35-20

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1982	1.15	1.45	1.20	3.40	1.35	6.35	2.60	0.00	0.00	0.00	0.00	1.20	18.70
1983	1.30	5.85	3.80	7.40	4.85	6.70	2.70	0.35	0.00	0.00	0.45	1.60	35.00
1984	0.20	2.55	4.60	0.20	0.40	0.75	0.40	0.00	0.00	0.00	0.00	0.25	9.35
1985	0.40	2.65	2.80	0.68	1.50	2.35	0.20	0.00	0.00	0.00	0.00	0.00	10.58
1986	0.50	4.05	1.00	1.45	10.30	5.85	0.70	0.00	0.00	0.00	0.00	0.85	24.70
1987	0.00	0.50	0.40	2.00	1.90	3.60	0.10	0.00	0.00	0.00	0.00	0.00	8.50
1988	1.85	2.80	3.15	2.30	3.25	0.00	2.40	0.25	0.20	0.00	0.00	0.00	16.20
1989	0.00	1.65	4.65	1.35	1.70	1.10	0.30	0.25	0.00	0.00	0.00	1.64	12.64
1990	0.80	0.65	0.00	3.10	2.40	0.50	0.10	0.85	0.00	0.00	0.00	0.80	9.20
1991	0.00	0.10	0.25	1.10	2.30	13.90	0.00	0.00	0.20	0.00	0.05	0.20	18.10
1992	0.75	0.35	3.85	2.70	10.25	3.00	0.00	0.00	0.00	0.00	0.00	0.00	20.90
1993	1.80	0.00	4.50	8.80	6.51	3.30	0.00	0.00	0.00	0.00	0.00	0.00	24.91
1994	0.10	0.80	1.50	2.10	3.35	1.40	0.70	1.30	0.00	0.00	0.00	2.60	13.85
1995	1.10	2.40	1.10	12.70	1.10	12.90	0.35	1.25	0.35	0.00	0.00	0.00	33.25
For 1982-95 Water Y	'ears												
Sum	9.95	25.80	32.80	49.28	51.16	61.70	10.55	4.25	0.75	0.00	0.50	9.14	255.88
N	14	14	14	14	14	14	14	14	14	14	14	14	14
Mean	0.71	1.84	2.34	3.52	3.65	4.41	0.75	0.30	0.05	0.00	0.04	0.65	18.28
Mean for 1984-95													
Water Years*	0.63	1.54	2.32	3.21	3.75	4.05	0.44	0.33	0.06	0.00	0.00	0.53	16.85
Max	1.85	5.85	4.65	12.70	10.30	13.90	2.70	1.30	0.35	0.00	0.45	2.60	35.00
Min	0.00	0.00	0.00	0.20	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.50
STD	0.63	1.61	1.68	3.46	3.10	4.22	0.97	0.46	0.11	0.00	0.12	0.80	8.32
1996	0.00	0.25	2.05	3.50	9.00	2.00	1.05	0.55	0.00	0.00	0.00	0.00	18.40
1997	2.30	2.10	7.60	9.05	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.15
1998	0.00	5.50	4.05	4.60	13.40	4.10	2.85	3.00	0.00	0.00	0.00	0.17	37.67
1999	0.28	1.30	1.00	3.45	1.80	3.80	1.85	0.00	0.00	0.00	0.00	0.25	13.73
2000	0.00	0.90	0.10	3.35	7.95	1.90	2.20	0.25	0.15		0.00	0.00	
For 1982-2000 Wate	r Years												
Sum	12.53	35.85	47.60	73.23	83.41	73.50	18.50	8.05	0.90	0.00	0.50	9.56	346.83
N	19	19	19	19	19	19	19	19	19	18	19	19	18
Mean	0.66	1.89	2.51	3.85	4.39	3.87	0.97	0.42	0.05	0.00	0.03	0.50	19.27
Max	2.30	5.85	7.60	12.70	13.40	13.90	2.85	3.00	0.35	0.00	0.45	2.60	37.67
Min	0.00	0.00	0.00	0.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.50
STD	0.71	1.68	2.00	3.22	3.86	3.81	1.04	0.73	0.10	0.00	0.10	0.73	8.68

^{*}Hydrologic base period for this study

[☐] Appendix B

STATION NAME: BETTERAVIA UNION SUGAR CO.

LOCATION: BETTERAVIA GAGE NO: BET387 ELEVATION: 160.0 FEET

BASE & MERIDIAN: SAN BERNARDINO

TOWNSHIP: 10 NORTH RANGE: 35 WEST

SECTION: 24

LONGITUDE: 34-55-00 LATITUDE: 120-31-00

LLVATION. 100.0	,,,				`	,							
Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1898	0.67	0.03	0.55	1.44	1.06	0.65	0.02	1.14	0.00	0.00	0.00	0.36	5.92
1899	0.30	0.05	0.64	3.49	0.52	3.88	1.02	0.00	0.44	0.00	0.00	0.00	10.34
1900	1.36	1.02	0.73	0.83	0.13	1.94	0.67	1.10	0.00	0.00	0.00	0.00	7.78
1901	0.47	3.53	0.11	3.96	2.75	0.31	1.53	0.45	0.00	0.00	0.00	0.00	13.11
1902	1.77	0.74	0.00	1.47	4.03	2.07	1.92	0.04	0.00	0.00	0.03	0.00	12.07
1903	0.81	1.75	1.00	1.76	1.87	3.36	0.87	0.00	0.00	0.00	0.00	0.00	11.42
1904	0.00	0.08	0.15	0.38	3.84	2.38	1.20	0.10	0.00	0.00	0.18	2.44	10.75
1905	1.32	0.00	1.30	1.95	6.12	4.46	0.49	2.00	0.00	0.03	0.00	0.10	17.77
1906	0.00	1.36	0.29	3.25	3.21	6.39	0.73	2.30	0.00	0.00	0.00	0.12	17.65
1907	0.00	0.73	4.59	8.60	0.68	3.82	0.19	0.11	0.00	0.00	0.00	0.11	18.83
1908	0.95	0.00	2.33	4.54	3.86	0.23	0.24	0.18	0.00	0.00	0.00	1.02	13.35
1909	0.40	0.98	0.66	13.27	6.73	5.03	0.00	0.00	0.00	0.00	0.00	0.00	27.07
1910	0.54	1.60	6.72	2.38	0.25	3.52	0.15	0.00	0.00	0.00	0.00	0.49	15.65
1911	0.63	0.32	0.42	6.75	4.52	5.89	1.10	0.08	0.00	0.00	0.00	0.00	19.71
1912	0.00	0.19	1.91	1.44	0.14	3.50	1.18	1.19	0.00	0.00	0.00	0.08	9.63
1913	0.02	0.42	0.25	2.86	1.66	0.60	0.48	0.00	0.15	0.36	0.97	0.00	7.77
1914	0.00	2.32	3.40	10.30	3.04	1.06	0.24	0.10	0.00	0.00	0.00	0.00	20.46
1915	0.00	0.71	4.85	4.82	7.08	0.20	1.04	1.35	0.00	0.00	0.00	0.00	20.05
1916	0.00	0.56	3.74	7.86	1.20	1.33	0.10	0.00	0.00	0.00	0.00	2.09	16.88
1917	1.78	0.49	6.06	1.69	1.87	0.37	0.07	0.26	0.00	0.00	0.00	0.00	12.59
1918	0.08	0.12	0.36	0.36	8.55	5.77	0.05	0.00	0.00	0.00	0.12	0.23	15.64
1919	0.67	3.46	2.01	0.91	2.45	1.77	0.00	0.47	0.00	0.00	0.12	0.21	12.07
1920	0.17	0.12	1.99	0.18	1.43	4.16	0.85	0.00	0.00	0.00	0.00	0.00 0.49	8.90
1921	0.65	1.08	1.57	3.11	1.96	1.60	0.26	1.32 0.47	0.00	0.00	0.00	0.49	12.04 14.08
1922	0.12	0.17	3.68	3.71	3.18	2.44	0.31 4.66	0.47	0.00 0.07	0.00	0.00	0.00	12.93
1923	0.45	1.16	3.06	1.87	1.39	0.09	1.04	0.00	0.00	0.00	0.00	0.10	6.27
1924	0.10	0.10	0.54	0.90	0.38	3.21 3.40	2.63	1.30	0.00	0.00	0.00	0.00	14.13
1925	0.69	0.56	1.92	1.73	1.73 3.75	0.64	2.03	0.05	0.00	0.00	0.00	0.00	11.01
1926	0.15	0.26	2.06 0.98	1.95 2.10		1.24	1.46	0.03	0.06	0.00	0.00	0.00	14.97
1927	0.63	3.37	3.88	0.19	5.02 2.70	2.28	0.16	0.11	0.00	0.00	0.00	0.00	12.97
1928	2.14 0.00	1.01 2.26	2.56	1.62	1.63	1.37	0.74	0.00	0.00	0.00	0.00	0.00	10.34
1929	0.00	0.00	0.08	3.86	1.19	2.80	0.74	0.49	0.10	0.00	0.00	0.00	9.71
1930	0.00	2.10	0.08	4.18	1.19	0.16	0.56	0.49	0.00	0.00	0.00	0.20	9.04
1931 1932	0.11	2.10	6.56	3.25	3.26	0.10	0.09	0.37	0.00	0.00	0.67	0.32	16.95
1932	0.11	0.06	1.29	6.60	0.39	0.23	0.09	0.25	1.80	0.00	0.00	0.00	11.30
1934	0.30	0.00	2.79	1.07	1.80	0.29	0.00	0.23	0.60	0.00	0.00	0.00	6.88
1935	1.84	2.19	1,01	3.92	1.25	3.23	0.70	0.00	0.00	0.00	0.00	0.25	14.39
1936	0.35	2.19	1.44	1.20	5.20	0.77	0.72	0.02	0.13	0.00	0.40	0.00	12.26
1937	1.32	0.00	5.84	3.28	3.93	3.76	0.72	0.02	0.00	0.11	0.07	0.00	18.65
1938	0.33	0.41	2.79	4.38	6.49	4.01	1.41	0.00	0.00	0.00	0.00	0.93	20.75
1939	0.33	0.41	1.79	3.56	1.99	2.72	0.26	0.04	0.00	0.00	0.00	2.01	12.99
1940	0.53	0.86	1.50	3.96	2.76	1.89	0.54	0.00	0.00	0.00	0.00	0.00	12.04
1941	0.62	0.16	5.16	5.09	7.48	7.55	3.03	0.07	0.00	0.00	0.00	0.00	29.16
1942	1.04	0.32	7.33	1.48	1.19	2.26	0.15	0.00	0.00	0.04	0.09	0.00	13.90
1943	1.05	0.71	1.68	6.39	1.24	2.20	1.08	0.10	0.00	0.00	0.00	0.00	14.45
1944	1.05	0.22	3.20	1.29	4.99	0.66	1.59	0.09	0.00	0.00	0.00	0.00	13.09
1945	0.32	2.03	1.33	0.87	2.43	3.76	0.09	0.00	0.16	0.00	0.00	0.00	10.99
1946	0.52	0.64	2.94	0.45	1.69	0.97	0.21	0.18	0.00	0.00	0.00	0,27	7.87
1947	0.14	3.38	1.43	0.34	0.83	1.22	0.18	0.18	0.03	0.00	0.00	0.04	7.77
1948	0.46	0.07	0.52	0.03	1.42	3.27	1.70	0.65	0.00	0.00	0.00	0.00	8.12
1949	0.07	0.00	3.26	1.48	2.04	2.57	0.22	0.91	0.00	0.00	0.00	0.00	10.55
1950	0.17	0.92	2.35	2.78	3.39	1.61	0.76	0.09	0.00	0.00	0.00	0.00	12.07
1951	0.77	1.00	0.70	2.57	1.81	0.16	1,79	0.01	0.00	0.98	0.00	0.13	9.92
.501	0	1.00	55			3	187 5	2.2.	2.00	2.23	2.23	22	

STATION NAME: BETTERAVIA UNION SUGAR CO.

LOCATION: BETTERAVIA GAGE NO: BET387 ELEVATION: 160.0 FEET

BASE & MERIDIAN: SAN BERNARDINO

TOWNSHIP: 10 NORTH

RANGE: 35 WEST SECTION: 24

LONGITUDE: 34-55-00 LATITUDE: 120-31-00

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1952	0.75	1,37	4.34	5.66	0.72	5.21	0.34	0.00	0.06	0.00	0.00	0.00	18.45
1953	0.00	3.63	4.36	1.37	0.00	1.04	1.62	0.00	0.00	0.00	0.00	0.00	12.02
1954	0.00	2.51	0.12	3.39	1.57	3.54	0.38	0.00	0.04	0.00	0.00	0.00	11.55
1955	0.00	1.00	1.91	4.47	1.70	0.39	2.44	0.29	0.00	0.00	0.00	0.00	12.20
1956	0.00	2.05	5.15	3.81	0.81	0.00	1.48	0.37	0.00	0.00	0.00	0.00	13.67
1957	0.50	0.00	0.61	2.55	2.02	0.58	1.21	0.97	0.19	0.00	0.00	0.00	8.63
1958	1,07	0.33	2.34	2.68	5.09	5.90	3.03	0.13	0.00	0.00	0.00	0.93	21.50
1959	0.00	0.31	0,22	2.05	5.34	0.00	0.41	0.00	0.00	0.00	0.00	0.32	8.65
1960	0.00	0.00	0.32	3.38	5.50	0.88	1.95	0.00	0.00	0.00	0.00	0.00	12.03
1961	1.24	3.64	0.93	0.94	0.17	0.97	0.25	0.15	0.00	0.00	0.00	0.03	8.32
1962	0.00	2.11	1.51	3.12	10.26	1.60	0.00	0.20	0.05	0.00	0.07	0.00	18.92
1963	0.72	0.06	0.41	1.59	3.47	3.84	2.19	0.45	0.00	0.00	0.00	0.40	13.13
1964	1.39	1.71	0.22	1.13	0.05	2,87	0.15	0.27	0.14	0.00	0.05	0.00	7.98
1965	1.87	2.75	1.86	0.96	0.58	1.82	3.28	0.00	0.00	0.01	0.14	0.00	13.27
1966	0.10	3.72	2.97	1.07	0.94	0.23	0.00	0.00	0.06	0.00	0.00	0.15	9.24
1967	0.00	2.31	3.83	3.28	0.54	2.72	3.83	0.23	0.30	0.00	0.00	0.29	17.33
1968	0.00	2.57	1.68	0.96	0.98	2.37	0.57	0.04	0.00	0.00	0.00	0.00	9.17
1969	1.90	1.13	2.12	9.10	7.72	0.59	1.89	0.00	0.00	0.00	0.00	0.10	24.55
1970	0.28	1.10	0.47	2.66	3.03	1.36	0.00	0.00	0.05	0.00	0.00	0.00	8.95
1971	0.05	3.13	3.67	1.01	0.12	0.45	0.94	0.67	0.00	0.00	0.00	0.10	10.14
1972	0.30	0.80	2.99	0.21	0.45	0.00	0.28	0.00	0.00	0.00	0.00	0.00	5.03
1973	1.19	4.20	1.20	5.40	5.99	3.06	0.00	0.02	0.00	0.00	0.00	0.09	21.15
1974	0.58	2.64	2.61	4.65	0.08	5.74	0.56	0.00	0.00	0.00	0.00	0.00	16.86
1975	1.02	0.16	4.33	0.08	3.75	3.55	1.02	0.00	0.00	0.00	0.00	0.00	13.91
1976	0.80	0.39	0.47	0.00	3.90	1.40	1.06	0.00	0.00	0.00	1.08	2.75	11.85
1977	0.44	0.59	1.35	2.59	0.10	1.35	0.00	2.19	0.00	0.00	0.00	0.00	8.61
1978	0.00	0.29	4.18	6.01	7.00	6.56	2.67	0.00	0.00	0.00	0.00	1.62	28.33
1979	0.00	1.04	1.45	4.10	3.99	3.57	0.09	0.10	0.00	0.00	0.00	0.30	14.64
1980	0.58	0.43	1.28	4.63	6.13	2.35	0.64	0.38	0.06	0.00	0.00	0.00	16.48
1981	0.02	0.00	1.43	3.49	2.45	6.25	0.29	0.00	0.00	0.00	0.00	0.00	13.93
1982	1.00	1.05	0.92	2.95	1.29	4.15	3.51	0.00	0.20	0.00	0.21	0.31	15.59
1983	1.39	3.84	1.48	6.64	6.26	6.04	2.23	0.10	0.00	0.00	0.33	0.00	28.31
1984	1.71	1.89	3.08	0.59	0.55	0.61	0.00	0.00	0.00	0.00	0.00	0.00	8.43
1985	0.60	2.36	2.98	1.15	1.34	2.13	0.12	0.00	0.00	0.00	0.00	0.00	10.68
1986	0.43	2.02	2.06	0.85	3.64	4.55	0.46	0.00	0.00	0.00	0.00	0.98	14.99
1987	0.00	1.19	1.24	1.87	1.97	3,64	0.24	0.00	0.00	0.00	0.00	0.00	10.15
1988	2.13	1.18	2.59	1.80	1.97	0.36	2.88	0.15	0.15	0.00	0.00	0.00	13.21
1989	0.00	1.27	4.37	0.55	1.29	0.79	0.15	0.06	0.00	0.00	0.00	0.82	9.30
1990	0.01	0.58	0.03	2.34	0.66	0.00	0.00	0.37	0.00	0.00	0.00	0.34	4.33
1991	0.00	0.16	0.75	1.13	1.72	10.23	0.14	0.00	0.00	0.00	0.00	0.00	14.13
1992	0.31	0.27	3.51	2.26	5.71	1.76	0.00	0.00	0.00	0.00	0.00	0.00	13.82
1993	0.93	0.00	3.14	6.01	3.51	4.18	0.04	0.00	0.00	0.00	0.00	0.00	17.81
Sum	51.48	111.98	205.82	278.18	261.29	234.39	86.45	25.77	5.14	1.53	4.53	21.68	1288.25
N	96	96	96	96	96	96	96	96	96	96	96	96	96
Mean	0.54	1.17	2.14	2.90	2.72	2.44	0.90	0.27	0.05	0.02	0.05	0.23	13.42
Max	2.14	4.20	7.33	13.27	10.26	10.23	4.66	2.30	1.80	0.98	1.08	2.75	29.16
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.33
STD	0.58	1.13	1.70	2.39	2.23	2.01	1.00	0.48	0.20	0.11	0.17	0.52	5.04

STATION NAME: PURITAN ICE COMPANY

LOCATION: GUADALUPE GAGE NO: PUR352 ELEVATION: 80.0 FEET

BASE & MERIDIAN: SAN BERNARDINO

TOWNSHIP: 10 NORTH RANGE: 35 WEST

SECTION: 16

LONGITUDE: 34-57-00 LATITUDE: 120-34-00

ELEVATION: 80.0	FEET					SECTION	. 10						
Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1921	0.43	2.54	1.59	1.38	2.33	0.64	0.32	1.46	0.00	0.00	0.00	0.44	11.13
1922	0.05	0.65	5,31	3.90	2.97	2.50	0.22	0.35	0.00	0.00	0.00	0.00	15.95
1923	0.33	1.66	3.58	1.91	1.06	0.18	3.97	0.05	0.00	0.00	0.00	0.23	12.97
1924	0.12	0.06	0.62	0.63	0.50	3.14	1.00	0.01	0.00	0.00	0.00	0.06	6.14
1925	0.76	0.78	1.85	2.56	1.34	3.61	2.09	1.71	0.05	0.00	0.00	0.01	14.76
1926	0.16	0.07	1.81	1.72	2.99	0.23	0.00	0.00	0.00	0.00	0.00		
1927													
1928													
1929													
1930													
1931	0.00	1.13	0.00	4.26	1.33	0.14	0.36	0.55	0.00	0.00	0.51	0.00	8.28
1932	0.06	2.56	5.88	3.22	2.18	0.05	0.10	0.30	0.05	0.00	0.00	0.05	14.45
1933	0.00	0.07	1.22	5.45	0.45	0.61	0.10	0.27	1.53	0.00	0.00	0.00	9.70
1934	0.41	0.00	3.20	0.00	1.75	0.19	0.05	0.04	0.94	0.00	0.00	0.07	6.65
1935	1.67	1.73	1.19	4.39	1.09	3.22	3.12	0.00	0.00	0.00	0.00	0.17	16.58
1936	0.33	1.83	1.21	1.10	6.39	2.47	0.55	0.70	0.25	0.13	0.00	0.10	15.06
1937	0.69	0.00	4.76	2.97	3.10	3.90	0.27	0.00	0.00	0.00	0.00	0.00	15.69
1938	0.12	0.27	2.24	4.24	6.27	3.26	1.28	0.03	0.00	0.00	0.00	0.58	18.29
1939	0.35	0.32	1.38	3.08	1.61	2.07	0.32	0.05	0.00	0.00	0.00	1.27	10.45
1940	0.75	0.90	1.19	3.39	2.00	1.39	0.35	0.00	0.00	0.00	0.00	0.00	9.97
1941	0.39	0.16	3.98	4.95	6.04	5.84	2.68	0.00	0.00	0.00	0.00	0.00	24.04
1942	1.06	0.20	6.75	1.20	0.69	1.22	2.28	0.08	0.00	0.00	0.00	0.00	13.48
1943	0.72	0.42	1.42	4.43	1.09	1.48	0.97	0.00	0.00	0.00	0.00	0.00	10.53
1944	0.91	0.32	2.70	1.17	2.67	0.00	1.24	0.09	0.00	0.00	0.00	0.00	9.10
1945	0.05	1.47	1.45	0.40	2.94	2.46	0.00	0.00	0.00	0.00	0.02	0.39	9.18
1946	0.25	0.51	1.53	0.37	1.31	2.73	0.00	0.11	0.00	0.00	0.00	0.22	7.03
1947	0.10	2.25	1.22	0.34	0.57	0.88	0.31	0.40	0.01	0.00	0.00	0.42	6.50
1948	0.13	0.39	0.02	1.40	0.84	0.24	0.40	0.07	0.00	0.00	0.00	0.00	3.49
1949	0.06	0.00	2.70	0.83	0.99	2.97	0.20	1.09	0.00	0.00	0.00	0.00	8.84
1950	0.03	0.63	2.26	2.00	1.34	0.73	0.14	0.07	0.89	0.00	0.00	0.00	8.09
1951	0.81	1.18	0.67	2.14	1.62	0.30	1.25	0.00	0.01	0.00	0.00	0.01	7.99
1952	0.36	1.07	2.22	5.15	0.78	4.89	0.56	0.00	0.03	0.00	0.00	0.00	15.06
1953	0.00	3.06	3.86	0.84	0.00	0.45	1.03	0.02	0.00	0.00	0.00	0.00	9.26
1954	0.00	1.78	0.19	2.76	1.27	3.76	0.31	0.00	0.00	0.00	0.00	0.00	10.07
1955	0.00	0.96	1.62	3.53	1.69	0.31	2.27	0.57	0.00	0.00	0.00	0.00	10.95
1956	0.00	1.72	5.65	2.55	0.72	0.01	1.08	0.48 0.69	0.00	0.00 0.00	0.00	0.00	12.21 8.76
1957 1958	0.36 2.18	0.00 0.22	0.51 2.09	2.72 1.63	2.28 4.76	0.76 6.39	1.24 4.23	0.09	0.20 0.00	0.00	0.00	0.87	22.59
1959	0.00	0.22	0.19	2.37	4.78	0.01	0.58	0.22	0.00	0.00	0.00	0.54	8.37
1960	0.00	0.20	0.19	3.47	5.79	0.54	3.06	0.00	0.00	0.00	0.00	0.00	13.35
1961	0.88	3.80	0.49	0.96	0.18	0.67	0.39	0.19	0.00	0.00	0.24	0.00	7.61
1962	0.00	2.49	1.22	1.79	10.35	1.32	0.10	0.13	0.01	0.00	0.00	0.00	17.35
1963	0.43	0.03	0.49	0.82	3.63	4.20	2.62	0.46	0.00	0.00	0.02	0.47	13.17
1964	1.13	1.89	0.19	1.93	0.00	3.10	0.13	0.53	0.04	0.04	0.16	0.00	9.14
1965	1.80	2.32	2.05	1.16	0.33	1.67	3.65	0.00	0.00	0.00	0.00	0.00	12.98
1966	0.03	5.88	2.28	0.96	1.13	0.00	0.01	0.00	0.01	0.21	0.03	0.21	10.75
1967	0.00	1.89	2.20	3.53	0.02	3.31	5.17	0.00	0.00	0.00	0.00	0.34	17.13
1968	0.00	2.40	1.50	0.69	1.10	1.97	0.83	0.00	0.00	0.00	0.00	0.00	8.49
1969	2.14	0.96	1.99	13.01	8.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.91
1970	0.29	1.00	0.78	2.34	0.81	2.66	0.04	0.00	0.00	0.00	0.00	0.00	7.92
1971	0.00	3.11	3.76	1.18	0.19	0.26	0.80	0.98	0.00	0.00	0.00	0.06	10.34
1972	0.17	1.01	2,85	0.26	0.35	0.00	0.21	0.02	0.05	0.03	0.00	0.03	4.98
1973	0.96	4.53	1.29	4.82	5.19	2.98	0.01	0.03	0.00	0.00	0.09	0.00	19.90
1974	0.66	3.42	1.50	4.92	0.26	4.99	1.03	0.00	0.00	0.03	0.00	0.00	16.81

STATION NAME: PURITAN ICE COMPANY

LOCATION: GUADALUPE GAGE NO: PUR352 ELEVATION: 80.0 FEET BASE & MERIDIAN: SAN BERNARDINO

TOWNSHIP: 10 NORTH RANGE: 35 WEST

SECTION: 16

LONGITUDE: 34-57-00 LATITUDE: 120-34-00

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1975	1.11	0.13	4.54	0.65	3.03	2.61	1.09	0.00	0.00	0.00	0.00	0.00	13.16
1976	0.79	0.28	0.15	0.00	4.75	0.94	0.98	0.00	0.08	0.00	0.72	2.64	11.33
1977	1.21	1.15	2.45	1.02	0.11	1.62	0.02	2.22	0.00	0.00	0.00	0.00	9.80
1978	0.14	0.24	3.61	6.09	6.82	4.62	3.25	0.00	0.00	0.00	0.00	1.41	26.18
1979	0.00	1.10	1.10	5.18	3.21	2.82	0.08	0.14	0.00	0.00	0.00	0.50	14.13
1980	0.50	0.48	2.18	3.28	6.79	1.41	0.59	0.33	0.00	0.09	0.00	0.00	15.65
1981	0.00	0.00	1.06	3.12	3.42	4.71	0.38	0.02	0.00	0.00	0.00	0.00	12.71
1982	0.68	1.84	1.20	1.97	1.39	5.17	1.67	0.00	0.05	0.00	0.00	0.39	14.36
1983	0.92	3.32	0.75	6.04	5.63	3.93	1.83	0.11	0.00	0.00	0.37	1.37	24.27
1984	0.56	1.76	2.93	0.09	0.37	0.61	0.51	0.00	0.02	0.00	0.00	0.00	6.85
1985	0.43	1.83	2.42	0.86	0.88	1.37	0.02	0.00	0.00	0.00	0.00	0.00	7.81
1986	0.60	3.63	0.72	1.04	3.12	5.86	0.48	0.03	0.00	0.00	0.00	0.66	16.14
1987	0.06	0.98	1.02	1.75	1.82	3.63	0.25	0.02	0.00	0.00	0.00	0.00	9.53
1988	1.71	1.01	2.68	1.71	1.97	0.10	2.49	0.27	0.06	0.00	0.00	0.00	12.00
1989	0.00	0.81	3.98	0.49	0.84	0.81	0.41	0.12	0.00	0.00	0.00	1.20	8.66
1990	0.54	0.42	0.00	2.92	2.04	0.33	0.47	0.50	0.00	0.00	0.00	0.35	7.57
1991	0.00	0.10	0.76	1.10	2.55	8.39	0.37	0.00	0.11	0.00	0.02	0.03	13.43
1992	0.39	0.15	3.23	2.01	6.10	1.62	0.08	0.00	0.00	0.16	0.00	0.00	13.74
1993	0.35	0.00	3.46	4.04	4.55	3.51	0.00	0.25	0.07	0.00	0.00	0.00	16.23
Sum	32.12	85.07	139.86	170.18	170.97	144.76	67.89	15.70	4.46	0.69	2.18	15.09	841.99
N	69	69	69	69	69	69	69	69	69	69	69	68	68
Mean	0.47	1.23	2.03	2.47	2.48	2.10	0.98	0.23	0.06	0.01	0.03	0.22	12.38
Max	2.18	5.88	6.75	13.01	10.35	8.39	5.17	2.22	1.53	0.21	0.72	2.64	26.91
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.49
STD	0.53	1.24	1.52	2.05	2.27	1.89	1.18	0.42	0.24	0.04	0.12	0.45	4.95

STATION NAME: SANTA MARIA CITY

LOCATION: SANTA MARIA GAGE NO: SMC380 ELEVATION: 224.0 FEET BASE & MERIDIAN: SAN BERNARDINO

TOWNSHIP: 10 NORTH RANGE: 34 WEST

SECTION: 14

LONGITUDE: 34-57-00 LATITUDE: 120-26-00 RECORD BEGAN 1886

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1886	0.00	8.80	1.60	1.83	0.97	2.55	3.37	0.00	0.00	0.00	0.00	0.00	19.12
1887	0.06	0.59	0.72	0.50	5.95	0.25	1.07	0.22	0.00	0.00	0.00	0.30	9.66
1888	0.40	1.09	2.69	4.62	0.43	1.98	0.12	0.14	0.00	0.00	0.00	0.00	11.47
1889	0.00	2.59	5.86	0.42	1.35	4.20	0.97	0.60	0.05	0.00	0.00	0.00	16.04
1890	7.53	1.80	6.71	7.02	3.64	0.88	0,10	0.13	0.00	0.06	0.00	0.55	28.42
1891	0.70	0.70	3.40	0.63	3.57	0.71	1.58	0.20	0.00	0.00	0.00	0.03	11.52
1892	0.00	0.33	2.77	0.56	2.18	2.36	0.45	1.15	0.00	0.00	0.00	0.00	9.80
1893	0.35	1.95	2.52	2.08	3.10	6.84	0.80	0.05	0.00	0.00	0.00	0.00	17.69
1894	0.65	0.22	2.95	1.16	1.78	0.62	0.25	0.73	0.16	0.06	0.00	1.05	9.63
1895	0.68	0.07	3.86	4.43	1.22	1.25	0.53	0.51	0.00	0.00	0.00	0.01	12.56
1896	0.65	1.26	0.60	4.60	0.00	2.59	1.77	0.03	0.00	0.11	0.03	0.02	11.66
1897	0.60	1.82	2.34	3.55	4.00	2.52	0.14	0.01	0.00	0.03	0.00	0.10	15.11
1898	0.67	0.03	0.55	1.44	1.06	0.65	0.02	1.14	0.00	0.00	0.00	0.96	6.52
1899	0.30	0.05	0.64	3.49	0.46	4.88	0.99	0.75	0.00	0.00	0.00	0.00	11.56
1900	1.86	1.21	0.89	0.87	0.05	1.41	0.97	1.97	0.00	0.00	0.00	0.00	9.23
1901	0.65	5.40	0.35	4.51	3.17	0.25	1.82	0.13	0.00	0.00	0.00	0.12	16.40
1902	1.60	0.56	0.01	1.73	4.03	2.37	1.70	0.20	0.00	0.00	0.00	0.00	12.20
1903	1.02	2.59	0.79	1.80	1.91	3.97	0.71	0.00	0.00	0.00	0.00	0.00	12.79
1904	0.00	0.19	0.16	0.55	5.39	3.06	1.73	0.10	0.00	0.00	0.86	2.55	14.59
1905	1.25	0.03	1.55	1.85	5.83	4.46	0.69	1.58	0.00	0.02	0.00	0.07	17.33
1906	0.15	1.37	0.31	2.64	3.40	6.94	0.55	2.39	0.02	0.00	0.01	0.01	17.79 18.06
1907	0.00	0.63	4.35	7.78	1.02	3.95	0.23	0.00	0.04	0.00	0.00	0.06 1.03	14.93
1908	3.57	0.00	1.80	3.98	3.76	0.35	0.26	0.18	0.00	0.00 0.00	0.00	0.00	21.78
1909	0.52	0.97	0.61	10.31	4.98	4.39	0.00 0.01	0.00 0.00	0.00	0.00	0.00	0.65	17.23
1910	0.75	2.14	5.89	3.47	0.50	3.82 6.68	1.82	0.00	0.00	0.00	0.00	0.00	20.04
1911	0.72	0.15	0.45	6.42	3.80 0.10	4.13	0.69	1.60	0.00	0.00	0.00	0.00	9.63
1912	0.00	0.00	1.77 0.20	1.34 2.20	1.27	0.63	0.69	0.00	0.34	0.00	0.00	0.00	5.46
1913	0.00 1.00	0.40 2.45	2.95	9.36	2.20	0.03	0.00	0.00	0.00	0.00	0.00	0.00	18.86
1914 1915	0.00	0.00	5.40	4.05	6.31	0.54	1,11	1.52	0.00	0.00	0.00	0.00	18.93
1916	0.00	0.60	3.31	8.95	2.12	1.49	0.19	0.00	0.00	0.00	0.00	2.51	19.17
1917	1.92	0.52	4.15	2.53	2.01	0.50	0.11	0.23	0.00	0.00	0.00	0.00	11.97
1918	0.09	0.00	0.31	0.53	9.39	5.87	0.00	0.00	0.00	0.00	0.00	0.00	16.19
1919	0.63	3.55	1.46	0.68	2.36	1.57	0.00	0.74	0.00	0.00	0.00	0.41	11.40
1920	0.00	0.15	1.88	0.24	1.78	4.02	1.12	0.00	0.00	0.00	0.00	0.00	9.19
1921	0.73	0.94	1.24	3.13	1.65	1.57	0.32	1.45	0.01	0.00	0.00	0.44	11.48
1922	0.05	0.13	5.32	4.90	2.97	2.50	0.22	0.35	0.00	0.00	0.00	0.00	16.44
1923	0.32	1.34	3.59	1.91	1.06	0.18	3.97	0.05	0.01	0.01	0.00	0.22	12.66
1924	0.30	0.00	0.62	0.64	0.46	3.01	1.00	0.01	0.00	0.00	0.03	0.04	6.11
1925	0.76	0.78	1.85	2.56	1.67	3.28	2.34	1.71	0.05	0.02	0.01	0.01	15.04
1926	0.16	0.12	1.81	1.72	2.99	0.41	2.68	0.11	0.01	0.02	0.01	0.04	10.08
1927	0.55	3.37	0.91	1.88	5.21	2.10	1.26	0.06	0.20	0.02	0.01	0.02	15.59
1928	3.08	0.81	3.80	0.22	2.51	3.99	0.19	0.71	0.00	0.00	0.01	0.02	15.34
1929	0.04	2.31	2.16	2.28	1.22	1.61	0.94	0.00	0.16	0.00	0.00	0.01	10.73
1930	0.02	0.00	0.15	3.42	1.18	2.70	0.94	0.68	0.08	0.00	0.00	0.16	9.33
1931	0.02	1.55	0.00	4.16	1.13	0.28	0.42	0.94	0.06	0.01	0.31	0.09	8.97
1932	0.04	2.46	6.56	4.25	2.14	0.31	0.31	0.26	0.04	0.02	0.02	0.07	16.48
1933	0.09	0.09	1,31	6.08	0.30	0.94	0.18	0.38	1.96	0.00	0.00	0.02	11.35
1934	0.32	0.03	2.91	1.11	1.52	0.20	0.00	0.26	1.30	0.01	0.01	0.01	7.68
1935	3.14	2.19	1.78	4.16	1.64	3.11	3.09	0.00	0.00	0.01	0.26	0.17	19.55
1936	0.50	2.02	1.71	1.31	5.32	1.23	1.06	0.13	0.03	0.02	0.01	0.14	13.48
1937	1.83	0.00	5.69	3.59	4.83	4.65	0.22	0.00	0.00	0.01	0.00	0.00	20.82
1938	0.16	0.26	2.88	4.72	7.39	4.09	2.01	0.04	0.02	0.00	0.02	0.59	22.18
1939	0.18	0.23	1.53	3.25	2.18	2.39	0.22	0.03	0,00	0.00	0.00	1.50	11.51

STATION NAME: SANTA MARIA CITY

LOCATION: SANTA MARIA GAGE NO: SMC380 **ELEVATION: 224.0 FEET**

BASE & MERIDIAN: SAN BERNARDINO

TOWNSHIP: 10 NORTH RANGE: 34 WEST

SECTION: 14

LONGITUDE: 34-57-00 LATITUDE: 120-26-00 RECORD BEGAN 1940

May Jun Jul Aug Sep Total Nov Dec Jan Feb Mar Apr Water Year Oct 14.61 0.00 0.00 0.00 0.00 0.02 0.46 1.03 1.30 5.41 2.67 1.98 1.74 1940 0.09 0.03 0.01 30.75 0.07 0.00 8.72 3.86 1941 0.73 0.12 5.25 5.04 6.83 0.00 0.00 0.02 0.02 16.49 2.82 0.08 1.30 2.04 1942 1.04 0.32 7.50 1.35 1.06 0.02 0.00 0.00 0.00 0.00 17.22 7.23 1.27 3.04 1943 0.82 0.84 2.94 3.09 1.32 4 69 1 26 2.46 0.11 0.01 0.00 0.00 0.00 14.46 1944 1.05 0.47 0.02 0.00 11.31 3.27 0.04 0.11 0.00 1945 0.12 2.26 1.90 0.61 2.87 0.11 0.00 0.00 0.00 11.08 0.50 1.63 4.13 0.20 0.10 0.00 0.53 0.88 3.11 1946 0.30 0.13 0.00 0.00 0.06 9.42 1.98 0.35 1.10 1.27 0.28 1947 0.24 3.71 0.00 8.20 1948 0.58 0.04 0.29 0.06 1.29 3.21 1.89 0.81 0.03 0.00 0.00 9.09 0.00 0.00 0.00 1.29 2.54 0.06 0.82 0.00 1949 0.08 0.01 2.92 1.37 0.00 0.04 10.47 0.00 0.62 0.03 2.78 2.54 1.50 1.37 0.73 0.15 1950 0.71 1.36 0.01 0.00 0.00 0.01 0.07 8.66 1951 0.85 1.50 0.88 2.01 1.10 0.87 0.00 0.68 0.00 0.00 0.00 18.57 1952 0.57 1.17 4.05 5.69 0.69 5.30 0.42 0.01 10.87 0.12 0.07 0.00 0.00 0.27 1.23 1953 0.02 2.97 4.73 1.45 0.00 0.00 12.12 4.20 0.33 0.00 0.02 0.01 0.00 0.29 3.48 1.44 0.01 2.34 1954 2.08 3.95 1.35 0.40 1.98 0.60 0.01 0.00 0.00 0.00 11.34 0.00 0.97 1955 0.54 0.00 0.00 0.00 0.00 12.01 1956 0.00 1.60 4.50 2.84 0.64 0.00 1.89 0.00 8.46 1.00 0.98 0.22 0.00 0.00 0.61 0.00 0.74 2.17 1.95 0.79 1957 0.00 1.43 21.27 4.70 4.25 4.27 0.18 0.00 0.00 1958 1.70 0.55 1,78 2.41 1.75 4.57 0.00 0.23 0.00 0.00 0.00 0.00 0.00 6.98 1959 0.00 0.30 0.13 0.00 11.33 0.00 0.00 1960 0.00 0.00 0.65 3.55 4.13 0.85 2.15 0.00 0.00 0.00 0.02 7.11 0.21 0.00 0.02 0.23 1961 1.75 2.50 0.80 0.80 0.10 0.68 0.02 0.00 0.00 0.00 16.45 0.04 0.03 10.08 1.02 1962 0.00 1.63 1.50 2.13 11.30 3.75 3.15 2.29 0.53 0.01 0.00 0.00 0.46 0.54 1963 0.36 0.00 0.21 0.00 0.00 7.81 1.70 1.13 0.31 0.07 0.00 1.49 1.92 0.19 1.00 0.00 1964 0.00 0.10 0.12 0.00 11.71 0.84 0.51 1.59 2.87 0.00 1.64 2.41 1.63 1965 0.00 0.14 0.00 0.00 0.22 9.11 0.00 4.34 2.37 0.95 0.80 0.26 0.03 1966 1967 0.00 2.10 2.88 2.90 0.39 2.57 3.68 0.21 0.26 0.00 0.00 0.36 15.35 0.00 0.00 8.25 1968 0.00 2.78 1.35 0.63 0.91 2.03 0.51 0.04 0.00 0.00 0.06 20.84 0.00 0.00 1.58 7.47 6.92 0.45 1.36 0.00 0.00 1969 1.95 1.05 0.00 0.00 9.59 0.00 0.00 0.00 1970 0.33 0.98 0.53 2.65 0.42 4.64 0.04 0.00 0.04 9.82 0.740.00 0.00 1971 0.00 3.45 3.46 0.77 0.09 0.25 1.02 0.00 0.00 0.00 0.00 5.45 0.26 0.16 1972 0.38 0.64 3.37 0.19 0.45 0.00 0.05 0.00 0.00 0.00 0.16 19.59 5.44 3.20 0.00 0.53 3.56 1.73 4.92 1973 0.15 4.78 0.88 0.00 0.00 0.00 0.00 0.00 15.21 2.50 2.36 3.90 0.64 1974 1975 1.87 0.13 4.05 0.04 3.22 2.39 0.75 0.00 0.00 0.00 0.00 0.00 12.45 4.47 1.25 0.00 0.02 0.02 1.20 3.47 11.97 1976 0.72 0.15 0.06 0.00 0.61 0.04 8.51 0.02 1.59 0.05 2.09 0.00 0.00 0.00 1977 1.37 0.32 0.55 2.48 0.00 0.00 1.55 24.46 3.94 4.94 7.30 4.62 1.98 0.00 0.00 1978 0.00 0.13 12.51 0.00 0.00 0.18 0.00 1.10 1.29 4.02 3.04 2.65 0.16 0.07 0.00 1979 0.00 13.79 0.28 0.00 0.00 0.00 5.08 0.46 1980 0.45 0.21 0.98 4.19 2.14 0.49 0.00 0.00 0.00 0.00 0.00 12.81 3.79 3 77 1981 0.00 0.00 1.19 3.57 1.26 5.04 1.76 0.00 0.23 0.00 0.07 0.59 14.87 0.90 0.85 2.90 1 27 1982 0.27 24.86 1983 1.27 3.67 1 21 5.52 5.43 3.82 2.24 0.02 0.00 0.00 1.41 0.00 0.00 0.00 6.52 2.63 0.02 0.37 0.48 0.57 0.00 0.00 1984 0.35 2.10 0.00 0.00 0.00 0.00 0.04 8.73 0.60 1.93 2.91 0.98 0.85 1.38 0.04 1985 4.62 0.80 0.00 0.00 0.00 0.00 0.88 14.27 1986 0.39 2.72 0.78 1.12 2.96 7.99 0.00 0.00 0.00 1987 0,00 0.44 1.29 1.26 1.15 3.45 0.35 0.02 0.03 0.00 11.91 0.05 0.03 0.00 0.00 1988 2.60 1.71 2.36 0.02 2.21 2.32 0.61 0.00 0.57 6.75 0.08 0.06 0.00 0.00 1989 0.00 0.75 3.87 0.21 0.59 0.62 1.55 0.18 0.23 0.48 0.00 0.00 0.00 0.29 5.66 1990 0.16 0.49 0.01 2.27 0.00 0.08 0.00 0.03 0.00 12.46 1991 0.00 0.19 0.43 1.03 2.05 8.38 0.27 14.62 5.98 2.22 0.00 0.00 0.00 0.49 0.00 0.00 0.30 1.77

0.26

3.60

1992

STATION NAME: SANTA MARIA CITY

LOCATION: SANTA MARIA GAGE NO: SMC380 ELEVATION: 224.0 FEET BASE & MERIDIAN: SAN BERNARDINO

TOWNSHIP: 10 NORTH RANGE: 34 WEST

SECTION: 14

LONGITUDE: 34-57-00 LATITUDE: 120-26-00 RECORD BEGAN 0

Water Year	Oct	Nov	Dec	Jan	Feb	Маг	Apr	May	Jun	Jul	Aug	Sep	Total
1993	0.51	0.00	2.53	5.56	3.97	3.92	0.00	0.17	0.05	0.00	0.00	0.00	16.71
1994	0.22	0.75	1.01	2.08	3.42	1.94	0.96	0.59	0.00	0.00	0.00	0.08	11.05
1995	0.48	1.43	0.50	8.72	1.85	6.95	0.25	0.64	0.76	0.00	0.00	0.00	21.58
For 1886-1995 Water	Years												
Sum	70.85	132.90	233.22	303.32	278.02	266.61	106.75	35.12	7.52	1.78	3.37	24.56	1464.02
N	110	110	110	110	110	110	110	110	110	110	110	110	110
Mean	0.65	1.21	2.13	2.79	2.55	2.45	0.97	0.32	0.07	0.02	0.03	0.24	13.41
Mean for 1984-95													
Water Years*	0.44	0.97	1.85	2.23	2.26	2.85	0.48	0.17	0.08	0.04	0.00	0.16	11.52
Max	7.53	8.80	7.50	10.31	10.08	8.72	4.27	2.39	1.96	0.62	1.20	3.47	30.75
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.45
STD	0.97	1.36	1.69	2.25	2.13	1.94	1.00	0.50	0.24	80.0	0.15	0.56	4.92
1996	0.00	0.37	1.66	1.86	7.55	0.97	0.63	0.33	0.00	0.00	0.00	0.00	13.37
1997	1.36	2.35	4.03	3.90	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.30	12.01
1998	0.00	3.67	2.60	4.26	13.08	3.35	3.55	1.80	0.00	0.00	0.00	0.35	32.66
1999	0.30	1.65	0.30	2.02	1.07	6.61	2.77	0.00	0.00	0.00	0.00	0.00	14.72
2000	0.00	1.20	0.00	1.60	9.16	1.33	3.35	0.00	0.00	0.00	0.00		
For 1886-2000 Water	Years												
Sum	72.69	142.37	243.34	320.21	311.13	281.26	117.27	37.28	7.52	1.78	3.37	26.71	1548.29
N	115	115	115	115	115	115	115	115	115	115	115	114	114
Mean	0.63	1.24	2.12	2.78	2.71	2.45	1.02	0.32	0.07	0.02	0.03	0.23	13.58
Max	7.53	8.80	7.50	10.31	13.08	8.72	4.27	2.39	1.96	0.62	1.20	3.47	32.66
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.45
STD	0.96	1.36	1.68	2.21	2.44	1.96	1.05	0.51	0.24	0.07	0.14	0.55	5.16

STATION NAME: SANTA MARIA HWY. MAINT. YARD

LOCATION: SANTA MARIA GAGE NO: SMH400 ELEVATION: 220.0 FEET BASE & MERIDIAN: SAN BERNARDINO

TOWNSHIP: 10 NORTH

RANGE: 34 WEST SECTION: 14 LONGITUDE: 34-57-00 LATITUDE: 120-26-00 RECORD BEGAN: 1955

Feb May Jun Jul Aug Sep Total Mar Apr Water Year Oct Nov Dec Jan 0.00 0.00 0.00 0.00 12.62 2.23 4.38 1.72 0.46 1.72 1.11 0.00 1.00 1955 0.00 5.07 2.98 0.63 0.00 2.18 0.61 0.00 0.00 0.00 0.00 13.10 1956 1.63 0.00 1.63 5.07 2.98 0.63 0.00 2.18 0.61 0.00 0.00 0.00 0.00 13.10 1957 9.54 0.00 0.00 1958 0.69 0.00 0.84 2.54 1.88 1.01 1.19 1.12 0.27 0.00 22.22 0.00 0.35 0.00 0.00 2.56 5.27 4.89 4.42 0.23 1959 2.45 0.07 1.98 0.00 0.00 0.00 0.00 0.00 11.76 0.00 0.00 0.45 3.70 4.40 1.00 2.21 1960 0.00 0.00 0.00 0.00 7.94 0.79 0.23 0.19 1961 2.07 2.68 0.89 0.83 0.26 0.00 17.53 0.00 0.00 0.05 0.00 0.00 1.08 1962 0.00 1.77 1.76 2.46 10.41 3.36 2.70 0.59 0.00 0.00 0.00 0.46 12.85 4.30 0.50 0.00 0.25 0.69 1963 0.00 0.00 0.12 8.53 0.18 1.24 0.00 1.77 1.13 0.37 0.10 1.54 2.08 1964 1.77 2.01 1.83 0.90 0.53 1.34 3.59 0.00 0.00 0.00 0.00 0.00 11.97 1965 0.21 10.10 0.07 0.00 0.00 0.00 0.00 1966 0.06 4.66 2.57 1.24 0.86 0.43 0.23 16.50 0.00 0.00 0.46 2.18 4.13 0.22 0.38 1967 0.00 2.04 3.46 3.40 8.49 0.00 0.00 0.00 0.00 1.78 0.74 1.21 2.02 0.65 0.00 1968 0.00 2.09 0.00 0.08 21.69 0.00 0.00 0.88 1.71 7.18 7.27 0.95 1.65 0.02 1969 1.95 0.00 0.00 0.00 9.02 0.00 0.04 3.98 0.04 1970 0.25 1.05 0.44 2.69 0.53 0.00 0.00 0.00 0.13 10.80 0.09 0.38 1.04 1.11 1971 0.01 3.25 3.99 0.80 0.29 0.03 0.02 0.03 0.00 0.00 4.82 2.99 0.27 0.32 0.00 1972 0.30 0.57 0.00 0.05 20.17 0.60 3.61 1.53 4.81 6.08 3.44 0.00 0.03 0.02 0.00 1973 0.00 0.00 0.00 0.00 16.45 4.20 0.15 4.33 1.79 0.00 1974 0.53 2.33 3.12 0.00 0.00 0.00 0.00 0.00 13.68 0.17 3.50 3.17 0.92 1975 1.22 0.23 4.47 0.03 0.05 0.03 1.15 3.30 12.58 1.02 0.33 0.18 0.00 4.11 1.22 1.16 1976 0.01 0.06 7.98 1977 0.57 0.35 0.66 2.23 0.06 1.54 0.06 2.41 0.03 0.00 28.00 0.00 0.00 0.00 1.69 4.31 5.54 7.78 5.87 2.63 0.00 1978 0.00 0.18 0.27 14.10 0.00 0.00 0.00 1.23 1.10 3.93 4.22 3.18 0.06 0.11 1979 0.00 0.00 0.00 0.00 0.00 15.19 0.60 0.40 1.29 4.37 5.76 1.92 0.56 0.291980 0.00 0.00 0.00 0.00 13.44 1981 0.00 0.00 1.30 3.66 2.54 5.47 0.47 0.00 15.30 0.00 0.15 0.00 0.32 0.50 3.25 1982 0.99 1.31 0.84 2.95 1.18 3.81 0.00 27.61 2.12 0.39 0.00 0.00 0.45 5.04 6.57 4.53 1.36 6.48 1983 0.67 0.59 0.51 0.75 0.00 0.00 0.00 0.00 0.00 8.42 2.53 2.69 0.12 1.23 1984 0.00 0.00 0.00 0.00 9.02 0.54 1.96 3.29 0.94 2.27 0.02 0.00 0.00 1985 16.59 5.29 1.30 0.00 0.00 0.00 0.00 0.90 0.43 3.35 0.87 0.90 3.55 1986 1.73 1.58 3.90 0.42 0.00 0.00 0.00 0.00 0.00 9.96 1987 0.00 0.85 1.48 0.01 0.00 0.00 0.00 14.00 1988 2.06 1.46 3.18 1.75 2.00 0.47 2.76 0.31 7.86 0.00 0.41 1989 0.00 0.81 4.04 0.52 0.92 0.83 0.23 0.10 0.00 0.00 0.00 0.00 0.30 6.06 0.30 0.00 0.20 0.12 1990 0.23 0.50 0.00 2.50 1.91 1.80 0.00 0.00 0.00 0.00 0.00 16.71 12.50 0.00 0.95 1.26 1991 0.00 0.20 16.89 2.15 6.05 2.85 0.00 0.00 0.00 0.75 0.00 0.75 0.04 3.80 1992 0.50 0.00 0.00 17.26 3.73 0.03 0.15 0.00 0.00 1993 0.66 0.03 2.57 5.52 4.57 23.44 53.64 80.52 97.31 106.43 96.46 48.05 10.33 1.12 0.81 1.93 9.81 529.85 Sum 39 39 39 39 39 39 39 39 39 N 39 39 39 39 13.59 0.03 0.02 0.05 0.25 Mean 0.60 1.38 2.06 2.50 2.73 2.47 1.23 0.26 28.00 2.41 0.75 3.30 0.38 1.15 5.07 7.18 10.41 12,50 4.42 Max 2.45 4.66 0.00 0.00 0.00 0.00 0.00 4.82 0.00 0.00 Min 0.00 0.00 0.00 0.00 0.00

2.52

1.82

2.45

1.24

0.47

0.08

0.12

0.20

0.59

5.26

0.69

1.26

1.43

STD

STATION NAME: UNION OIL BATTLES PLANT

LOCATION: SANTA MARIA GAGE NO: UBA410 ELEVATION: 255.0 FEET

BASE & MERIDIAN: SAN BERNARDINO

TOWNSHIP: 10 NORTH RANGE: 33 WEST

SECTION: 20

LONGITUDE: 34-56-00 LATITUDE: 120-24-00

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1953	0.18	3.42	4.03	1.01	0.00	0.55	0.82	0.13	0.00	0.03	0.00	0.00	10.17
1954	0.00	2.04	0.24	3.60									
1955	0.00	0.94	2.31	4.59	1.41	0.32	2.26	0.26	0.00	0.00	0.00	0.00	12.09
1956	0.00	1.69	4.80	2.69	0.60	0.00	2.41	0.62	0.00	0.00	0.00	0.00	12.81
1957	0.93	0.00	0.40	2.15	2.22	0.49	1.09	0.90	0.18	0.00	0.00	0.10	8.46
1958	2.14	0.41	1.66	2.91	5.46	3.85	3.59	0.15	0.00	0.00	0.00	0.62	20.79
1959	0.00	0.27	0.17	1.45	4.28	0.00	0.00	0.30	0.00	0.00	0.00	0.28	6.75
1960	0,00	0.00	0.41	3.47	4.16	1.00	1.78	0.02	0.00	0.00	0.00	0.00	10.84
1961	1,97	2.79	0.88	0.79	0.16	0.38	0.00	0.00	0.00	0.00	0.00	0.00	6.97
1962	0.00	1.81	1.83	2.07	9.06	0.92	0.04	0.02	0.00	0.00	0.00	0.00	15.75
1963	0.47	0.00	0.30	1.06	3.12	3.06	2.72	0.39	0.03	0.00	0.00	0.58	11.73
1964	1.28	1.79	0.10	1.26	0.00	1.56	1.05	0.28	0.06	0.00	0.11	0.00	7.49
1965	1.52	2.01	1.42	0.75	0.36	1.46	3.66	0.00	0.00	0.00	0.00	0.00	11.18
1966	0.00	4.20	2.88	1.18	0.84	0.32	0.03	0.00	0.00	0.11	0.00	0.18	9.74
1967	0.02	1.87	3.22	3.39	0.36	2.48	3.79	0.00	0.00	0.00	0.00	0.00	15.13
1968	0.00	2.87	1.38	0.68	1.18	2.09	0.61	0.02	0.00	0.00	0.00	0.00	8.83
1969	1,95	1.04	1.42	7.77	7.02	0.38	0.00	0.00	0.00	0.00	0.00		
1970					0.69	3.40						0.00	
1971	0.01	3.13	3.73	0.49	0.07	0.39	1.07	0.82	0.00	0.00	0.00	0.03	9.74
1972	0.08	0.78	2.74	0.22	0.04	0.00	0.22	0.15	0.00	0.00	0.00	0.00	4.23
1973	0.31	4.22	1.69	4.84	5.95	3.29	0.00	0.02	0.01	0.00	0.00	0.07	20.40
1974	0.42	2.64	2.89	4.60	0.11	4.66	1.05	0.00	0.00	0.00	0.00	0.00	16.37
1975	1.12	0.13	4.60	0.02	3.43	3.39	1.14	0.00	0.00	0.00	0.00	0.00	13.83
1976	0.72	0.30	0.06	0.00	4.40	1.34	1.22	0.00	0.08	0.00	1.80	3.69	13.61
1977	0.77	0.16	0.90	1.93	0.00	1.72	0.00	2.26	0.00	0.00	0.00	0.05	7.79
1978	0.00	0.00	4.06	5.09	7.17	5.45	1.94	0.00	0.00	0.00	0.00	1.73	25.44
1979	0.00	1.13	1.31	3.28	3.65	3.42	0.11	0.08	0.00	0.00	0.00	0.26	13.24
1980	0.63	0.47	1.50	4.91	5.44	1.77	0.47	0.23	0.00	0.03	0.00	0.00	15.45
1981	0.00	0.00	1.70	3.67	2.38	5.27	0.49	0.00	0.00	0.00	0.00	0.00	13.51
1982	0.83	1.41	1,19	2.58	0.79	4.67	3.10	0.00	0.00	0.00	0.22	0.00	14.79
1983	1.64	3.81	1.47	6.38	5.90	4.46	2.21	0.39	0.00	0.00	0.00	0.00	26.26
1984	0.00	2.32	2.65	0.09									
1985												0.01	
1986	0.38	3.18	0.58	0.98	4.21	5.36	0.77	0.00	0.00	0.00	0.00	0.94	16.40
1987	0.00	0.46	1.43	1.46	1.49	3.76	0.75	0.00	0.00	0.00	0.00	0.00	9.35
1988	1.74	0.81	3.37	1.78	1.81	0.45	2.67	0.12	0.00	0.00	0.00	0.01	12.76
1989	0.00	0.86	4,18	0.56	0.88	0.75	0.06	0.06	0.00	0.00	0.00	0.72	8.07
1990	0.22	0.41	0.00	2.48	1.65	0.22	0.19	0.48	0.00	0.00	0.00	0.35	6.00
1991	0.00	0.20	0.40	1.09	1.15	8.94	0.21	0.00	0.04	0.00	0.03	0.00	12.06
1992	0.37	0.28	2.81	1.70	5.73	1.73	0.00	0.00	0.00	0.72	0.00	0.00	13.34
1993	1,31	0.00	2.58	6.11	3.19	3.80	0.05	0.16	0.00	0.00	0.00	0.00	17.20
Sum	21.01	53.85	73.29	95.08	100.36	87.10	41.57	7.86	0.40	0.89	2.16	9.62	458.57
N	39	39	39	39	38	38	37	37	37	37	37	38	36
Mean	0.54	1.38	1.88	2.44	2.64	2.29	1.12	0.21	0.01	0.02	0.06	0.25	12.74
Max	2,14	4.22	4.80	7.77	9.06	8.94	3.79	2.26	0.18	0.72	1.80	3.69	26.26
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.23
STD	0.67	1.29	1.37	1.92	2.43	2.04	1.17	0.41	0.03	0.12	0.29	0.66	4.95

STATION NAME: UNION OIL CO. GUADALUPE

LOCATION: GUADALUPE OIL FIELD

GAGE NO: UGU407 ELEVATION: 40.0 FEET BASE & MERIDIAN: SAN BERNARDINO

TOWNSHIP: 10 NORTH

RANGE: 36 WEST SECTION: 35

LONGITUDE: 34-59-00 LATITUDE: 120-38-00

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1958	1.27	0.24	2.39	1.54	4.63	5.77	4.44	0.18	0.00	0.00	0.00	0.67	21.13
1959	0.00	0.26	0.16	3.42	4.09	0.01	0.52	0.00	0.00	0.00	0.00	0.55	9.01
1960	0.00	0.00	0.51	2.83	4.90	0.46	2.75	0.01	0.00	0.00	0.00	0.00	11.46
1961	0.95	3.65	0.92	0.99	0.20	0.79	0.27	0.20	0.00	0.09	0.04	0.03	8.13
1962	0.00	1.94	1.16	2.14	7.45	1.35	0.16	0.13	0.02	0.00	0.00	0.00	14.35
1963	0.67	0.00	0.63	0.92	3.32	4.16	2.42	0.34	0.02	0.00	0.06	0.32	12.86
1964	1.22	1.94	0.15	2.40	0.00	2.72	0.00	0.45	0.06	0.10	0.16	0.35	9.55
1965	1,17	2.02	2.63	1.49	0.41	1.43	2.38	0.00	0.00	0.00	0.00	0.00	11.53
1966	0.00	5.14	2.70	1.67	0.74	0.27	0.00	0.00	0.00	0.15	0.04	0.24	10.95
1967	0.00	2.22	2.33	2.87	0.50	3.27	4.65	0.33	0.00	0.00	0.00	0.29	16.46
1968	0.00	2.76	1.45	0.73	0.86	2.24	0.65	0.00	0.00	0.00	0.00	0.00	8.69
1969	2.23	0.80	1.64	7.79	7.75	0.43	1.85	0.00	0.00	0.00	0.00	0.00	22.49
1970	0.59	1.27	0.78	2.56	1.46	1.59	0.22	0.00	0.00	0.00	0.00	0.00	8.47
1971	0.22	3.00	4.53	1.26	0.20	0.40	0.88	0.92	0.00	0.00	0.00	0.11	11.52
1972	0.11	0.68	3.17	0.22	0.34	0.00	0.34	0.02	0.00	0.00	0.00	0.00	4.88
1973	0.77	4.32	1.19	4.22	4.44	3.32	0.00	0.00	0.00	0.00	0.00	0.00	18.26
1974	0.75	2.48	2.81	5.15	0.28	4.90	1.13	0.00	0.00	0.00	0.00	0.00	17.50
1975	1.42	0.10	4.12	0.24	3.20	2.21	1.14	0.00	0.00	0.00	0.00	0.00	12.43
1976	0.89	0.18	0.00	0.00	4.57	0.98	0.72	0.00	0.12	0.00	0.91	2.22	10.59
1977	0.22	1.52	1.90	0.87	0.06	1.94	0.00	2.15	0.00	0.00	0.00	0.00	8.66
1978	0.14	0.26	3.50	5.91	6.61	4.48	3.45	0.00	0.00	0.00	0.00	1.53	25.88
1979	0.00	2.07	1.10	5.18	3.67	3.98	0.05	0.10	0.00	0.00	0.00	0.50	16.65
1980	0.50	0.58	2.17	3.93	5.67	2.17	0.44	0.44	0.00	0.08	0.00	0.00	15.98
1981	0.00	0.00	1.05	2.69	2.37	6.58	0.42	0.00	0.00	0.00	0.00	0.00	13.11
1982	0.58	1.78	0.80	2.80	1.10	4.90	1.70	0.00	0.15	0.00	0.00	0.00	13.81
1983	0.27	3.84	0.20	5.89	5.29	4.73	1.71	0.00	0.00	0.00	0.40	0.95	23.28
1984	1.27	2.43	2.80	0.02	0.35	0.55	0.54	0.00	0.00	0.00	0.04	0.00	8.00
1985	0.00	2.68	1.40	3.02	1.16	8.33	0.13	0.00	0.00	0.00	0.00		
1986													
1987													
1988													
1989												0.75	
1990	0.35	0.40	0.01	2.42	1.00							0.22	
1991	0.00	0.15	0.62	1.19	1.86	8.63	0.44	0.00	0.17	0.00	0.05	0.06	13.17
1992	0.57	0.21	3.91	2.09	6.09	2.37	0.00	0.00	0.02	0.20	0.00	0.04	15.50
1993	0.51	0.03	2.82	5.18	4.82	3.19	0.06	0.39	0.03	0.00	0.00	0.00	17.03
Sum	16.67	48.95	55.55	83.63	89.39	88.15	33.46	5.66	0.59	0.62	1.70	8.83	411.33
N	32	32	32	32	32	31	31	31	31	31	31	32	30
Mean	0.52	1.53	1,74	2.61	2.79	2.84	1.08	0.18	0.02	0.02	0.05	0.28	13.71
Max	2.23	5.14	4.53	7.79	7.75	8.63	4.65	2.15	0.17	0.20	0.91	2.22	25.88
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.88
STD	0.55	1.41	1.26	1.92	2.40	2.31	1.28	0.41	0.04	0.05	0.17	0.49	4.96

APPENDIX C GEOLOGIC TIME SCALE; WELL COMPLETION REPORTS, LOCATIONS, AND REFERENCE ELEVATIONS; DETERMINING HYDRAULIC PROPERTIES; AND SPECIFIC YIELD VALUES

GEOLOGIC TIME SCALE

Relative Durations		2 4 4 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Duration in	
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intervals				Water A	porox, last 1	
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MESOZOIC				Pliocene	3	
WESOZOIC				Miocene	18	5
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PRECAMBRIAN		Precambri	an		4,030	4 500
/After Fisher 1976			th's crust shout 4	200	-	4,600 —

(After: Eicher, 1976)

Formation of Earth's crust about 4,600 million years ago

WELL COMPLETION REPORTS, LOCATIONS AND REFERENCE ELEVATIONS

Water well completion reports¹ and geophysical logs and oil well electric and geologic logs were used in this study to interpret hydrogeologic conditions and in the preparation of the cross-sections. No subsurface exploration or well testing was conducted for this study.

Well completion reports are to contain information such as name of well owner, driller's name and signature, dates drilled, well location description and map, a detailed geologic log of materials encountered during drilling of the well, drilling method, total depth of boring and of completed well, casing diameter, perforation details (such as type, size and depth), and gravel pack placement. The well completion report is also to contain information on planned use, depths to first water and standing or static water level, estimated yield of the completed well, type of yield test and length, and total drawdown.

Usefulness of well completion reports was frequently limited. Not all the required information on the reports was provided on many reports available for this study. The description of a well's location was often incomplete or inaccurate; thus the well's position could not be determined on a quadrangle sheet. The geologic logs on the reports varied in degree of detail and terminology used to describe the sediments. Wells with geophysical logs were more useful, but the number of wells with geophysical logs was limited. The information provided on the depth at which first water was encountered and static water level was often lacking or appeared to be inaccurate. The completeness and consistency of these reports varied between drilling companies and individual drillers. The deeper water wells were generally more useful for analyzing the hydrogeologic conditions.

Well locations and reference elevations are from field descriptions of the locations as plotted on USGS 7.5-minute quadrangles.² Reference elevations were approximated using either the 7.5-minute quadrangles or digital aerial surveys at 5- or 2-foot contour intervals, where the surveys were available. The sea water intrusion wells along the coast and a few other wells in the study area have surveyed reference elevations.

C3 □ Appendix C

¹Before 1991, these reports were called "Water Well Drillers Report."

²In 2000, San Luis Obispo County located the wells in their monitoring program using GPS (Global Positioning System). Unrectifiable problems with the GPS data resulted in erroneous well locations and elevations and thus could not be used in this study.

DETERMINING HYDRAULIC PROPERTIES

Aquifer hydraulic tests provide in situ determinations of hydraulic properties. Both transmissivity and storativity can be determined from tests based on water level drawdown and recovery measurements versus time using various nonequilibrium flow equations based on Theis (1935). Through the relationship of K = T/b, hydraulic conductivity may also be calculated.

Aquifer hydraulic tests were not conducted for this study by the Department. However, several aquifer tests of wells had previously been conducted and analyzed by other agencies, consultants, or the Department. The hydraulic conductivity values determined from these tests are given in Table 20.

Pump efficiency tests and pumping-test data from drillers' reports not only provide information on the efficiency of the pump and the method of well construction, but also indirectly indicate the transmissivity and hydraulic conductivity of the aquifer material surrounding the well.

Data from these tests were used to compute specific capacity values. Using the specific capacity values, theoretical transmissivity values were empirically estimated employing the modified Thiem formula $(T = c \times 1,700)$. From the transmissivity value and the saturated thickness penetrated by the well, an estimated value of hydraulic conductivity was derived using the formula given above. Values of hydraulic conductivity determined by this method are also given on Table 20.

It must be recognized that the calculations of transmissivity and hydraulic conductivity values from pump tests relate directly to the age, efficiency, condition, and design of the well and its perforations. This is because the key factor in the calculation is well drawdown(s). Wells that are old, have inefficient designs, contain precipitates or encrustation on perforations, or have limited open areas in their perforated intervals will have larger drawdowns, thus lower specific capacities, than wells with the opposite of such conditions.

To provide greater coverage of the groundwater basin and to serve as a comparative tool with the aquifer hydraulic tests and pump efficiency tests, values of hydraulic conductivity were estimated by correlating the lithology penetrated by selected wells as represented on drillers' reports with typical conductivity values of similar types of material from Figure 24. The various types of lithologic material described on the drillers' reports were assigned a range (low and high) of conductivity values. The values were weighted by the thickness of the material penetrated and then summed over the total saturated thickness to arrive at an estimated range of transmissivity values for the well. These values were divided by the entire saturated thickness penetrated by the well to arrive at an estimated range of average weighted hydraulic conductivity values for the

□ Appendix C C4

 $^{^3}$ K is hydraulic conductivity, T is transmissivity, and b is saturated thickness perforated by the well. 4 T = c x 1,700, where T is transmissivity, c is tested specific capacity of the well, and 1,700 is a constant empirical factor. The factor 1,700 used in the modified Thiem formula in this study is based on studies of valley fill in California where it was found applicable for the type of well construction generally employed here (Thomasson et al., 1960, pp. 220-223).

well.

The thicknesses of the different deposits and formations penetrated by the wells were identified, thereby allowing the determination of estimated hydraulic conductivity values for the alluvium, the Paso Robles and Careaga Formations, and the Squire Member of the Pismo Formation These values of hydraulic conductivity estimated by lithologic correlation are also presented on Table 20. The wide range in values estimated by the correlation method can be explained by the ranges for geologic materials seen on Figure 24.

SPECIFIC YIELD VALUES

Specific yield values representative for the drillers' terms compiled by the Department are given in Tables C1 and C2.

TABLE C-1 - SPECIFIC YIELD VALUES USED IN COASTAL PLAIN OF LOS ANGELES COUNTY, CALIFORNIA*

[After State Water Rights Board Revised Values of Specific Yield as used for San Fernando Valley Reference, 7-9-59, which is based on values used in Bulletin 45, Geology and Ground Water Storage Capacity of Valley Fill]

Note: Specific yield values above base of Bellflower aquiclude=00

00 Percent-Bellflower Aquiclude

03 percent-Clay and shale

Adobe Granite clay Shale
Boulders in clay Hard clay Shaley clay
Cemented clay Hard pan Shell rock
Clay Hard sandy shale Slity clay loam
Clayey loam Hard shell Soapstone
Decomposed shale Muck

05 percent-Clayey sand and silt

Chalk rock Rotten conglomerate Sediment Clay and gravel Rotten granite Shaley gravel Clayey sand Clayey silt Sand and clay Silt Silty clay Sand and silt Conglomerate Sand rock Silty loam Sandstone Silty sand Decomposed granite Gravelly clay Sandy clay Soll Loam Sandy silt

10 percent—Comented or tight sand or gravel

 Callche
 Dead gravel
 Heavy rocks

 Cemented boulders
 Dead sand
 Soft sandstone

 Cemented gravel
 Dirty pack sand
 Tight boulders

 Cemented sand
 Hard gravel
 Tight coarse gravel

 Cemented sand and gravel
 Hard sand

14 percent-Gravel and boulders

Cobbles and gravel Heaving gravel Silty sand
Coarse gravel Heavy gravel Tight fine gravel
Boulders Large gravel Tight medium gravel
Broken rocks Rocks
Gravel and boulders Sand and gravel, silty

16 percent-Fine sand

Fine sand Quicksand Sand, gravel and boulders
Heaving sand Sand and boulders Tight sand

21-23 percent—Sand and gravel

Dry gravel Gravelly sand Sand Loose gravel Medium gravel Water gravel

26 percent—Coarse sand and fine gravel

Coarse sand Fine gravel Medium sand

Value of one added to given value where streaks of sand or gravel occur in clay or clayey material.

California Department of Water Resources, 1961, Planned utilization of the ground water basins of the coastal plain of Los Angeles County: California Dept. Water Resources Bull. 104, app. A, p. 121, Attachment 2, p. 2-3, 2-4.

TABLE C-2 - SPECIFIC YIELD VALUES OF WATER-BEARING SEDIMENTS IN SAN LUIS OBISPO COUNTY, CALIFORNIA*

	Specific yie	eld (percent)
Material		Paso Robles formation
Soil, including slity day	5	5
Clay, including adobe and hardpan.	3	3
Clay and sand, including sandy slit	ð	δ
Sand.	25	20
Tight sand, including cemented sand	18	15
Gravel, including gravel and sand	21	18
Tight gravel, including comented gravel	14	13

^{*}California Department of Water Resources, 1958, San Luis Obispo County Investigation: Bulletin No. 18, vol. II, Appendix B, p. B-27.

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APPENDIX D NET WATER DEMAND AND PER CAPITA WATER USE

Net Water Demand

Table D1 depicts net water demand in the study area for 1975-2020 for urban, agricultural, environmental, and other categories. Net water demand is the sum of all applied water except that which returns for reuse. Total net water demand decreased by about 800 acre-feet (AF) from the 30,900 AF in 1975 to 30,100 AF in 1995. Year 2020 total net water demand is expected to increase about 8,600 AF over 1995 levels. The large increase in total net demand from 1995 to 2020 is attributable to increased urban demand of about 6,300 AF and increased environmental demand of 2,800 AF. Average annual decreases of about 40 AF for net water demand were realized in the 20-year period 1975-1995 and an average annual increase of about 345 AF of net water demand is expected between 1995 and 2020.

Total net water demand overlying the main Santa Maria Groundwater Basin for 1975-2020 is depicted in Table D1. The groundwater basin total net water demand increased by about 2,700 AF from the 19,100 AF in 1975 to 21,800 AF in 1995. Year 2020 groundwater basin total net water demand is expected to increase about 7,300 AF over 1995 levels.

TABLE D1
NET WATER DEMAND IN STUDY AREA
Thousands of acre-feet*

Water Demand Overlying the Main Santa Maria Groundwater Basin	1975	1980	1985	1990	1995	2010	2020
Urban	5.2	6.5	9.6	10.6	9.1	13.1	15.4
Groundwater Basin	5.0	6.2	9.1	10.3	8.5	12.4	14.5
Agricultural	24.7	23.4	21.0	19.7	19.9	19.4	19.3
Groundwater Basin	13.1	14.1	15.0	13.7	12.2	11.8	12.0
Other**	1.0	1.0	1.1	1.1	1.1	4.0	4.0
Groundwater Basin***	1.0	1.0	1.1	1.1	1.1	2.6	2.6
Study Area Total	30.9	30.9	31.7	31.4	30.1	36.5	38.7
Groundwater Basin Total	19.1	21.3	25.2	25.1	21.8	26.8	29.1

^{*}All values rounded to the nearest 100 acre-feet.

Per Capita Water Use

Per capita water use varies throughout the study area both temporally and spatially. Per capita water use data for the larger population centers were collected and analyzed to determine past, present, and future values. Water year values range from 106 gallons per capita per day in the

^{**}Values for 2010 and 2020 include 2,800 AF of environmental demand.

^{***}Values for 2010 and 2020 include 1,400 AF of environmental demand.

Guadalupe HA in 1995 to 379 gallons per capita per day in the Nipomo Mesa HSA in 1990. Table D2 depicts per capita water use for 1975-2020 by hydrologic area and hydrologic subarea. Per capita water use data for the major water agencies in the study area were weighted by population to determine the per capita water use by hydrologic area and hydrologic subarea. The maximum per capita water use for each hydrologic area and hydrologic subarea was attained in either 1985 or 1990, with rates steadily declining through 1995. Projections indicate that, in general, per capita rates will increase through 2000; however, the increases are not expected to reach the maximums attained in 1985 and 1990.

Values for per capita water use shown in Table D2 account for past, present, and future urban water conservation. The values have been adjusted by the Department's Land and Water Use staff to account for the area's water conservation measures that are currently in effect and those expected to be in the future.

TABLE D2 PER CAPITA WATER USE

	Pismo/Oc	ceano HSA	Nipomo	Mesa HSA	Guadal	upe HA
Water Year	GPCD*	AFPCA**	GPCD	AFPCA	GPCD	AFPCA
1975	131	0.147	229	0.257	119	0.134
1980	153	0.171	269	0.302	113	0.126
1985	194	0.217	339	0.380	133	0.150
1990	174	0.195	379	0.425	139	0.156
1995	146	0.164	251	0.282	106	0.119
2010	154	0.173	246	0.275	115	0.129
2020	154	0.173	246	0.275	115	0.129

^{*}GPCD - Gallons Per Capita Per Day

Urban Net Demand

Urban net water demand for 1975-2020 is shown in Table D3. Urban net water demand was obtained by subtracting from the applied water demand the amount of water that was reusable (such as that which percolated to the groundwater basin). It is, in other words, the amount of applied water that was lost by evapotranspiration, percolation to saline sinks, flow to the ocean, or evaporation. Total urban net water demand increased by about 3,900 AF from the 5,200 AF in 1975 to 9,100 AF in 1995. Year 2020 urban net water demand is expected to increase 6,300 AF over 1995 levels. An average annual increase in urban net water demand of 195 AF was realized in the 20-year period 1975-1995. Average annual urban net water demand is projected to

D3

^{**}AFPCA - Acre Feet Per Capita Annually

TABLE D3 URBAN NET WATER DEMAND Thousands of acre-feet

Hydrologic Area/Subarea Division Within Main Santa Maria Groundwater Basin	1975	1980	1985	1990	1995	2010	2020
Pismo/Oceano HSA	3.8	4.6	6.8	7.0	6.2	8.3	9.4
Tri-Cities Mesa - Arroyo Grande Plain**	3.7	4.4	6.5	6.5	5.8	7.9	8.9
Nipomo Mesa HSA							
Nipomo Mesa***	1.1	1.6	2.3	3.3	2.3	3.9	5.0
Guadalupe HA	0.2	0.2	0.4	0.5	0.4	0.6	0.7
Santa Maria Valley	0.2	0.2	0.3	0.5	0.4	0.6	0.6
Study Area Total	5.2	6.5	9.6	10.6	9.1	13.1	15.4
Groundwater Basin Total	5.0	6.2	9.1	10.3	8.5	12.4	14.5

Note: All values rounded to the nearest 100 acre-feet.

increase by over 250 AF between 1995 and 2020. Population increases of 51 and 59 percent during the 1975 through 1995 and 1995 through 2020 periods account for the increased urban net water demand, respectively.

Total urban net water demand overlying the main Santa Maria Groundwater Basin for 1975-2020 is also depicted in Table D3. It increased by about the same amount as in the entire study area.

Agricultural Net Demand

Agricultural net water demand by hydrologic area and hydrologic subarea for 1975-2020 is shown in Table D4. Agricultural net water demand depicted in Table D4 represents the amount of water that was needed to meet all agricultural requirements. Agricultural net water demand decreased by almost 25 percent from the 24,600 AF in 1975 to 19,700 AF in 1995. Year 2020 agricultural net water demand is expected to decrease about 600 AF from 1995 levels. The reduction in demand for the two periods is attributable to a reduction in crop acres and increased irrigation efficiency.

Total agricultural net water demand overlying the main Santa Maria Groundwater Basin for 1975-2020 is depicted in Table D4. It decreased about 900 AF between 1975 and 1995 and is expected to decrease by another 200 AF by 2020.

D4

☐ Appendix D

^{*}Demand values derived by multiplying population by per capita water use.

^{**}Division includes lower Pismo Creek and Los Berros Creek portions of the main groundwater basin.

^{***}This portion of the main groundwater basin lies entirely within the HSA.

TABLE D4 AGRICULTURAL NET WATER DEMAND Thousands of acre-feet

Hydrologic Area/Subarea Division Within Main Santa Maria Groundwater Basin	1975	1980	1985	1990	1995	2010	2020
Pismo/Oceano HSA*	7.5	7.5	6.9	7.1	7.2	7.0	6.8
Tri-Cities Mesa - Arroyo Grande Plain**	3.4	3.1	2.8	2.6	2.3	2.2	2.2
Nipomo Mesa HSA	1.1	1.4	1.7	1.5	1.3	1.3	1.3
Nipomo Mesa***	1.1	1.4	1.7	1.5	1.3	1.3	1.3
Guadalupe HA	16.0	14.5	12.5	11.1	11.2	10.9	11.0
Santa Maria Valley	8.6	9.6	10.5	9.6	8.6	8.3	8.5
Study Area Total	24.6	23.4	21.1	19.7	19.7	19.2	19.1
Groundwater Basin Total	13.1	14.1	15.0	13.7	12.2	11.8	12.0

Note: All values rounded to the nearest 100 acre-feet.

Values for agricultural net water demand shown in Table D4 account for past, present, and future agricultural water conservation. The values have been adjusted by the Department's Land and Water Use staff to account for the area's water conservation measures that are currently in effect and those expected to be in the future.

Environmental Net Demand

Environmental net water demands are assumed to be equal to applied amounts shown in Table 2 of Chapter III. San Luis Obispo County is studying requirements for water to be released for steelhead trout to Arroyo Grande Creek below Lopez Dam. Until the study is complete, it is making proposed annual releases of 2,800 AF from Lopez Reservoir for maintaining steelhead habitat. Releases of 2,800 AF began in the fall of 1998 and are expected to continue indefinitely. They are included in the Pismo/Oceano HSA numbers for 2010 and 2020 in Table D5.

The stretch of Arroyo Grande Creek overlying the main groundwater basin is about half the creek's length from Lopez Dam to the confluence with the Pacific Ocean. Therefore, the 2010 and 2020 environmental demands depicted in Table D5 for the Tri-Cities Mesa and Arroyo Grande Plain are half the county's proposed release of 2,800 AFY.

^{*}The irrigated cropped acres in Pismo HSA for 1975 were 11.4; 1985, 26.6; and 1995, 0.0. Demand associated with these acreages amounted to less than 100 AF; therefore, the demand was combined for the two HSAs.

^{**}Division includes lower Pismo Creek and Los Berros Creek portions of the main groundwater basin.

^{***}This portion of the main groundwater basin lies entirely within the HSA.

TABLE D5 OTHER NET WATER DEMAND* Thousands of acre-feet

Hydrologic Area/Subarea Division Within Main Santa Maria Groundwater Basin	1975	1980	1985	1990	1995	2010	2020
Pismo/Oceano HSA**	0.05	0.05	0.09	0.09	0.09	2.92	2.94
Tri-Cities Mesa - Arroyo Grande Plain***	0.05	0.05	0.09	0.09	0.09	1.52	1.54
Nipomo Mesa HSA <i>Nipomo Mesa</i> ⁺	0.95	0.95	0.96	0.96	0.97	0.97	0.98
Guadalupe HA	0.03	0.04	0.04	0.05	0.06	0.07	0.08
Santa Maria Valley	0.03	0.04	0.04	0.05	0.06	0.07	0.08
Study Area Total	1.03	1.04	1.09	1.10	1.12	3.96	4.00
Groundwater Basin Total	1.03	1.04	1.09	1.10	1.12	2.56	2.60

Note: All values rounded to the nearest 10 acre-feet.

Other Net Demand

The other net water demand category consists of conveyance losses, cooling, miscellaneous, and recreational water demands. Table D5 lists net other water demands by hydrologic area and hydrologic subarea for the study area for 1975-2020. Water demand for this category increased by about 90 AF from the 1,030 AF in 1975 to 1,120 AF in 1995, mostly attributable to increased use at recreational facilities. Year 2020 other net water demand is expected to increase about 2,800 AF over 1995 levels. Environmental net demand of 2,800 AF makes up the largest portion of the increase between 1995 and 2020 with increased use of the area's recreational facilities responsible for about 50 AF of the expected increase. Increased Lopez Reservoir deliveries to contractors resulting in increased conveyance losses, increased cooling requirements, and increased miscellaneous uses account for the remainder of the increase from 1995 through 2020. The recreational water demand at Lopez Lake is not included in this study because it is considered part of the natural supply of Lopez Reservoir and so does not enter into any of this study's calculations.

^{*}Values for 2010 and 2020 are estimated based on historical trends.

^{**}Values for 2010 and 2020 include 2,800 AF of applied environmental demand.

^{***}Values for 2010 and 2020 include 1,400 AF of applied environmental demand - half of the release is attributable to the area overlying the main groundwater basin. Division includes lower Pismo Creek and Los Berros Creek portions of the main groundwater basin.

⁺This portion of the main groundwater basin lies entirely within the HSA.

APPENDIX E STREAM GAGING DATA AND ESTIMATED HISTORICAL UNIMPAIRED RUNOFF

STREAM GAGING DATA FOR ARROYO GRANDE CREEK AND TRIBUTARIES

	STREAM GAGIN	IG DATA FOR ARK	JYO GRANDE CREE	K AND IKIBUTAKIE	3	
Station Name:	Arroyo Grande Creek at Arroyo	Lopez Creek near	Tar Spring Creek	Wittenberg Creek near Arroyo Grande	Los Berros Creek	Arroyo Grande Creek above Phoenix Creek, near Arroyo Grande
0 N	Grande	Arroyo Grande	11141400	11141160	near Nipomo 11141600	11141150
Gage No:	11141500	11141280		560	312	560
Elevation, feet:	98	580	180	35-13-02	35-05 - 17	35-11-19
Latitude (DD-MM-SS):	35-07-28	35-14-08	35-07-56			
Longitude (DDD-MM-SS):	120-34-05	120-28-17	120-32-30	120-27-17	120-30-32	120-26-03
Record Began (Water Year):	1940	1968	1968	1968	1968	1968 13
Drainage Area (sq. mi.):	102	21	18	3	15	13
Water Year			Stream Discharg	ge in Acre-Feet		
1940	9,569					
1941	65,560					
1942	21,460					
1943	45,689					
1944	15,527					
1945	12,038					
1946	5,511					
1947	3,480					
1948	1,790					
1949	2,680					
1950	4,860					
1951	3,887					
1952	36,758					
1953	9,897					
1954	7,112					
1955	4,324					
1956	17,320					
1957	3,320					
1958	46,750					
1959	5,770					
1960	4,310					
1961	1,999					
1962	19,260					
1963	5,710					
1964	2,320					
1965	5,630					
1966	5,030					
1967	36,960					
1968	3,750	3,110	170	50	20	980
1969	24,016	24,997		3,131	4,990	7,825
1970	6,565	4,616		326	530	1,482
1971	4,510	3,890		300	500	1,110
1972	3,300	1,908		106	90	607
1973	10,690	12,216		1,332	2,810	1,663
1974	18,020	8,910		920	1,870	1,790
1975	4,010	4,696			730	1,039
1976	2,940	1,810		N/A	270	780
1977	2,570	1,370			200	570
1978	23,030	15,100		N/A	3,920	4,850
1979	4,940	4,400			630	1,390
1980	22,850	12,618			1,590	3,630
1981	4,560	6,420			830	1,790
1982	10,130	8,430			790	2,360
1983	92,070	26,980			6,660	5,220
1984	10,050	6,480			1,080	1,750
1985	2,750	3,780			330	810
1986	9,110	10,030			560	4,590
1987	2,210	3,390			30	870
1988	1,950				0	670
1989	2,600				0	600
1990	2,120	1,440			0	360
1991	5,010	2,769			908	512
1992	5,130	3,559			317	
1992	5,130	5,558	, IN/A	IN/A	317	1,517

N/A: Not Available; E: Estimated; *Incomplete Record

STREAM GAGING DATA FOR ARROYO GRANDE CREEK AND TRIBUTARIES

	OTIVEAU CACII	O BAIA / OIL /IIIII	70 011711122 01122			
Gage No: Elevation, feet: Latitude (DD-MM-SS): Longitude (DDD-MM-SS): Record Began (Water Year): Drainage Area (sq. mi.):	Arroyo Grande Creek at Arroyo Grande 11141500 98 35-07-28 120-34-05 1940 102	Lopez Creek near Arroyo Grande 11141280 580 35-14-08 120-28-17 1968 21	Tar Spring Creek near Arroyo Grande 11141400 180 35-07-56 120-32-30 1968 18	Wittenberg Creek near Arroyo Grande 11141160 560 35-13-02 120-27-17 1968 3	Los Berros Creek near Nipomo 11141600 312 35-05-17 120-30-32 1968 15	Arroyo Grande Creek above Phoenix Creek, near Arroyo Grande 11141150 560 35-11-19 120-26-03 1968 13
Water Year			Stream Dischar	ge in Acre-Feet		
1993 1994 1995	9,010 2,160 * 18,110 *	·	N/A N/A N/A	N/A N/A N/A	1,056 N/A 1,136 *	N/A N/A N/A
Sum	For 1940-95 Water Years 683,405 53 12,894 4,548 92,070 1,790 17,310 15,500 60,599 81,114 8,591 7,922	For 1968-95 Water Years 203,561 28 7,270 5,174 26,980 1,370 6,506 7,676 16,755 26,033 5,350 6,852		For 1968-95 Water Years 6,165 7 881 N/A 3,131 50 1,014	For 1968-95 Water Years 29,655 25 1,186 358 6,660 0 1,693 968 3,253 8,385 512 924	For 1968-95 Water Years 48,565 25 1,943 1,275 7,825 360 1,857
Sum N Mean Max Min STD	For 1940-2000 Water Years 886,411 61 14,531 92,070 1,790 19,389	For 1968-2000 Water Years 266,227 33 8,067 26,980 1,370 7,094			For 1968-2000 Water Years 45,782 33 1,387 8,385 0 1,981	

STREAM DISCHARGE DATA FOR PISMO CREEK

Station Name:	Pismo Creek at Pismo Beach
Gage No:	None
Elevation, feet:	18.0*
Latitude (DD-MM-SS):	35-08-33
Longitude (DDD-MM-SS):	120-37-58
Record Began (Water Year):	1990
Drainage Area (sq. mi.):	25.00

Year	Month	Stream Discharge in Acre-Feet
1990	Oct	N/A
1990	Nov	N/A
1990	Dec	N/A
1990	Jan	19
1990	Feb	34
1990	Mar	22
1990	Apr	2
1990	May	N/A
1990	Jun	N/A
1990	Jul	N/A
1990	Aug	N/A
1990	Sep	N/A
1991	Oct	N/A
1991	Nov	N/A
1991	Dec	N/A
1991	Jan	N/A
1991	Feb	7
1991	Mar	1,982
1991	Apr	38
1991	May	7
1991	Jun	2
1991	Jul	2
1991	Aug	1
1991	Sep	1
1992	Oct	N/A
1992	Nov	N/A
1992	Dec	39
1992	Jan	148
1992	Feb	4,084
1992	Mar	263
1992	Apr	78
1992	May	25
1992	Jun	3
1992	Jul	1
1992	Aug	N/A
1992	Sep	N/A
Sum		6,760
N		21
Mean		322
Max		4,084
Min		0
STD		940
		0.0

N/A: Data Not Available

^{*}Estimated from USGS Pismo Beach Quadrangle (1978)

STREAM GAGING DATA FOR SANTA MARIA RIVER AND TRIBUTARIES

Station Name:	Bradley Ditch near Donavan Road at Santa Maria	Santa Maria River at Guadalupe	Sisquoc River near Gary	Cuyama River below Twitchell Dam
Gage No:	11140600	11141000	11140000	11138100
Elevation, feet:	225	65	355	402
Latitude (DD-MM-SS):	35-00-42	34-58-35	34-53-38	34-56-40
•	120-16-43	120-34-15	120-18-20	120-17-30
Longitude (DDD-MM-SS):			1942	1959
Record Began (Water Year):	1971	1941		
Drainage Area (sq. mi.):	12.50 AV	1,741	471	1,132
Water Year	ľ	Stream Dischar	ae in Acre-Feet	
1941		183,290		
		1,080	15,660	
1942				
1943		71,910	66,320	
1944		13,560	37,810	
1945		4,990	16,970	
1946		4,880	8,520	
1947		2,530	2,230	
1948		0	0	
1949		0	90	
1950		2,460	1,200	
1951		0	. 0	
		112,760	73,730	
1952				
1953		360	5,170	
1954		1,270	9,910	
1955		0	610	
1956		4,200	8,360	
1957		0	90	
1958		133,550	99,220	
1959		0	2,410	4300
1960		0	50	
		0	560	
1961				
1962		24,280	46,440	
1963		0	280	
1964		0	0	
1965		0	3,190	3010
1966		930	9,870	5350
1967		32,040	95,450	75100
1968		100	3,280	44190
1969		179,660	287,760	
1970		780	5,180	
	340	0	3,930	
1971		0		
1972	280		1,020	
1973	1,570	9,990	36,520	
1974	620	210	5,610	
1975	630	310	8,180	
1976	520	0	390	0
1977	390	10	60	0
1978	2,400	49,870	108,230	82630
1979	N/A	2,230	28,360	
1980	1,350	21,180	85,950	
	1,110	550	6,540	
1981		320	14,900	
1982	1,110			
1983	2,520	151,390	231,800	
1984	980	3,570	8,550	
1985	870	0	C	
1986	1,280	3,570	25,160)
1987	1,150	10	C)
1988	1,140		3,620)
1989	412		-,	
1990	470		(
	1,140		33,020	
1991				
1992	1,270		41,950	
1993	N/A		182,210	J

STREAM GAGING DATA FOR SANTA MARIA RIVER AND TRIBUTARIES

Station Name: Gage No: Elevation, feet: Latitude (DD-MM-SS): Longitude (DDD-MM-SS): Record Began (Water Year): Drainage Area (sq. mi.): Water Year	Bradley Ditch near Donavan Road at Santa Maria 11140600 225 35-00-42 120-16-43 1971	Santa Maria River at Guadalupe 11141000 65 34-58-35 120-34-15 1941 1,741 Stream Dischan	Sisquoc River near Gary 11140000 355 34-53-38 120-18-20 1942 471 ge in Acre-Feet	Cuyama River below Twitchell Dam 11138100 402 34-56-40 120-17-30 1959 1,132
1994 1995	N/A N/A		4,140 216,810	
Sum N Mean Mean for 1984-95 Water Years Max Min STD 1996 1997 1998 1999 2000	For 1971-92 Water Years 23,748 23 1,033 N/A 2,520 225 638 4,221 1,235	For 1941-87 Water Years 1,021,587 50 21,656 N/A 183,290 0 47,077	For 1942-95 Water Years 12,990,078 58 223,967 728,638 11,140,000 0 1,459,766 39,771 46,103 322,532 10,944 18,792	990,403 28 35,372 N/A 149,160 0 45,872
Sum N Mean Max Min STD	For 1971-99 Water Years 27,008 23 1,174 4,221 280 883		For 1942-2000 Water Years 2,285,452 55 38,736 322,532 0 71,313	2 3 3 2

ESTIMATED UNIMPAIRED RUNOFF WATER YEARS 1895 TO 1947* SANTA MARIA RIVER AND ARROYO GRANDE CREEK

Arroyo Grande Creek at Santa Maria River at Mouth Arroyo Grande

Water Year	Stream Discharge in Acre-Fe	
1895	206,400	52,200
1896	8,700	6,200
1897	79,800	20,600
1898	100	1,100 3,100
1899	100	
1900	500	4,200
1901	164,600	43,000 5,100
1902	2,400 58,300	15,000
1903	•	8,100
1904	24,400	51,900
1905	205,000 161,100	42,100
1906 1907	356,700	76,200
1907	158,700	41,600
1909	277,800	64,700
1910	125,600	33,100
1911	273,600	63,900
1912	45,600	12,000
1913	41,700	11,300
1914	278,200	64,700
1915	219,400	54,600
1916	167,000	43,500
1917	111,700	29,100
1918	190,400	48,900
1919	400	4,200
1920	49,900	13,000
1921	100	3,100
1922	142,300	37,200
1923	2,400	5,100
1924	100	1,100
1925	100	2,100
1926	72,400	22,900
1927	96,500	29,400
1928	27,100	8,500
1929	100	3,200
1930	3,500	2,100
1931	4,300	800
1932	108,000	32,500
1933	15,800	5,700
1934	10,700	7,300
1935	40,200	1,500
1936	43,300	11,000
1937	156,600	39,300
1938	214,500	51,700
1939	21,300	8,800
1940	16,500	9,000
1941	307,800	66,500
1942	40,900	21,500
1943	144,700	45,700
1944	71,100	15,500
1945	37,500	12,000
1946	20,300	5,500
1947	10,100	3,500
Sum	4,816,300	1,265,900
N	53	53
Mean	90,874	23,885
Max	356,700	76,200
Min	100	800
STD	95,727	21,810
4 14 1 14	Vita Brown Brand Bullatia Na. 4	

^{*}From California State Water Resources Board, Bulletin No. 1

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APPENDIX F WATER QUALITY GUIDELINES FOR AGRICULTURE AND SELECTED GROUNDWATER QUALITY DATA

WATER QUALITY GUIDELINES FOR AGRICULTURE*

		S	Suitability for Irrigation	ation	
Constituent	Unit	Suitable	Marginal	Unsuitable	Specific Crops Affected
Electrical Conductivity	µmhos/cm	< 750	750-3,000	> 3,000	
Total Dissolved Solids	mg/L	< 500	500-2,000	>2,000	
Boron	mg/L	< 0.50	0.50-2.00	> 2.00	Fruit and citrus trees $0.50-1.00~\text{mg/L}$ Field crops $1.00-2.00~\text{mg/L}$ Grasses $> 2.00~\text{mg/L}$
Chloride	mg/L	< 142	142-355	> 355	Tree crops and ornamentals: root adsorption Field and vegetable crops: foliar damage at 106 mg/L
Sodium Adsorption Ratio**	mg/L	< 3	3-9	6 <	Tree crops: root adsorption
Sulfate	mg/L	< 350	350-600	009 <	

American Society of Civil Engineers, vol. 163, no. IR2, p. 135-154; and McKee, J. E. and Wolfe, H. W., eds., 1963, Water Quality *From: Ayers, R. S., 1977, Quality of water for irrigation: Journal of the Irrigation and Drainage Division, Proceedings of the Criteria: California State Water Resources Control Board, Pub. No. 3-A, 548 p.

**Sodium Adsorption Ratio (SAR) is defined as:

 $\lambda R = \frac{Na}{[\gamma_2(Ca+Mg)]^{\gamma_2}}$

Where Na, Ca, and Mg are the concentrations of sodium, calcium, and magnesium in milliequivalents per liter.

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

2 4719 3019 1970 1590 5910 150 6547 2410 150 150 6547 2410 150 160 120 160		Date	됩	<u></u>	TDS@180°C	Sa	Mg	Ra	7	HC03H	SO ₄	ਹ	ő	8	<u></u>	Total Hard-
611108 7.2 4719 3019 197.0 1590 591.0 15.0 654.7 241.0 1160.0 12.0 0.43 0.4 6203036 7.4 4098 26670 156.0 158.0 158.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0 1	State Well No.	yr/mo/da	ap	lab	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	_	mg/L	ness, mg/L
611108 7.2 4719 3019 197.0 159.0 591.0 15.0 65.4 24.1 11.0 10.0 12.0 14.0 15.0 65.0 15.0 67.0 19.0 15.0 67.0 19.0	Tri-Cities Mesa															
621010 7.6 3900 2648 120.0 157.0 575.0 130 670.0 370.0 20.0 370.0 62.0 470.0 630.0<	32S/12E-13J02 M	611108	7.2	4719	3019	197.0	159.0	591.0	15.0	654.7	241.0	1160.0	12.0	0.43	0.4	1146
630326 74 4088 2870 1850 <th< td=""><td>32S/12E-13J02 M</td><td>621010</td><td>7.6</td><td>3900</td><td>2648</td><td>120.0</td><td>157.0</td><td>575.0</td><td>13.0</td><td>670.6</td><td>289.0</td><td>977.0</td><td>3.0</td><td>0.59</td><td>0.2</td><td>946</td></th<>	32S/12E-13J02 M	621010	7.6	3900	2648	120.0	157.0	575.0	13.0	670.6	289.0	977.0	3.0	0.59	0.2	946
630926 74 3610 2600 170.0 160.0 515.0 149.0 260.0 920.0 0.037 0.1 640103 7.6 144 390.0 170.0 160.0 56.0 160.0 86.0 160.0 86.0 160.0 86.0 160.0 930.0 0.0 0.1 651007 7.6 144.4 380.0 147.0 656.0 160.0 820.0 0.0 0.0 0.0 0.0 671023 7.7 147.3 260.0 147.0 650.0 147.0 699.0 301.0 930.0 0.4 0.0 0	32S/12E-13J02 M	630306	7.4	4098	2670	185.0	159.0	512.0	13.0	821.8	341.0	825.0	7.5	0.70	0.3	1116
641013 8.1 3900 3024 198.0 151.0 565.0 15.0 686.4 281.0 1039.0 30.0 49.0 174.0 655.0 15.0 686.4 281.0 1039.0 30.0 49.0 174.0 655.0 16.0 674.4 224.4 144.0 147.0 652.0 49.0 147.0 650.0 49.0 140.0 650.0 49.0 60.0 69.0 30.0 69.0 60.0		630926	7.4	3610	2600	170.0	160.0	515.0	14.0	749.8	260.0	922.0	0.0	0.37	0.1	1083
651007 7.6 5144 3294 194.0 174.0 635.0 16.0 547.4 1329.0 194.0 174.0 635.0 14.0 1329.4 144.0 147.0 652.0 44.0 599.9 30.1 339.0 5.0 0.4 50.4 50.4 50.4 14.0 14.0 12.0 562.0 44.0 680.2 3.0 263.1 330.0 5.0 9.2 5.0 0.4 50.0 5.0 6.0 5.0 4.0 6.0 5.0 6.0 9.2 6.0 9.2 1.0 1.0 1.2 2.0 4.0 268.1 1.0 1.0 0.0		641013	8.1	3900	3024	198.0	151.0	565.0	15.0	686.4	281.0	1039.0	3.0	0.64	0.1	1116
670926 8.2 4141 2643 134.0 147.0 552.0 14.0 589.9 310.0 939.0 95.045 0.4 670326 8.2 4141 2643 134.0 147.0 552.0 140.0 180.0 330.0 930.0 95.0 0.0 671033 7.7 1573 44.0 147.0 167.0 100.0 0.19 0.3 610333 7.4 1500 924 250 120 26.0 30.2 147.0 167.0 100.0 0.19 0.3 610303 7.4 1500 92.0 120 120 281.0 30.2 147.0 167.0 100.0 0.19 0.3 640708 7.7 1340 916 20.0 120 281.0 30.2 418.0 147.0 147.0 147.0 147.0 147.0 147.0 147.0 147.0 147.0 147.0 147.0 147.0 147.0 147.0 147.0 147.0 <th< td=""><td></td><td>651007</td><td>7.6</td><td>5144</td><td>3294</td><td>194.0</td><td>174.0</td><td>635.0</td><td>16.0</td><td>547.4</td><td>224.0</td><td>1353.0</td><td>5.0</td><td>0.45</td><td>0.4</td><td>1200</td></th<>		651007	7.6	5144	3294	194.0	174.0	635.0	16.0	547.4	224.0	1353.0	5.0	0.45	0.4	1200
671023 7.7 1573 757 44.0 41.0 162.0 30 231.7 135.0 100.0 0.19 0.3 600224 7.4 1389 850 15.0 12.0 268.0 3.0 265.8 17.0 100.0 0.18 0.00 0.2 0.2 0.00 0		670926	8.2	4141	2643	134.0	147.0	552.0	14.0	599.9	301.0	939.0	9.5	0.45	0.4	940
M 600224 7.4 1389 850 15.0 12.0 265.8 137.0 167.0 100.0 0.16 M 610303 7.4 1500 924 29.0 15.0 27.0 17.0 17.0 100.0 0.18 0.0 M 610303 7.3 1565 1048 26.0 12.0 28.0 3.0 65.0 17.0 17.0 100.0 0.28 0.0 M 620708 7.3 1465 29.0 12.0 28.0 36.0 30.0 60.0 302.4 17.0 17.0 60.0 30.0 60.0 302.4 17.0 17.0 60.0 30.0 17.0 60.0 30.0 17.0 60.0 30.0 17.0 17.0 60.0 30.0 17.0 17.0 17.0 60.0 30.0 17.0 17.0 60.0 30.0 17.0 17.0 60.0 30.0 17.0 17.0 60.0 30.0 17.0 17.0	32S/12E-13L01 M	671023	7.7	1573	757	44.0	41.0	162.0	3.0	231.7	135.0	162.0	100.0	0.19	0.3	279
M 610303 7.4 1500 924 29.0 16.0 276.0 4.0 268.2 149.0 20.0 100.0 0.23 0.0 M 6210303 8.2 1340 916 20.0 12.0 281.0 3.0 363.6 17.0 177.0 55.0 23.3 0.0 M 621030 8.2 1360 1166 20.0 12.0 281.0 3.0 363.6 17.0 177.0 55.0 30.3 0.4 M 640708 8.2 1360 26.0 26.0 392.4 150.0 26.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0 26.0 17.0 28.0 17.0 28.0 17.0 28.0 17.0 28.0 17.0 28.0 17.0 28.0 17.0 28.0 17.0 28.0 17.0 28.0 17.0 28.0 17.0 28.0 17.0		600224	7.4	1389	850	15.0	12.0	268.0	3.0	265.8	137.0	167.0	100.0	0.15	0.4	87
M 621030 8.2 1340 916 20.0 12.0 281.0 3 55.3 117.0 177.0 55.0 0.23 0.2 M 63708 7.3 1665 1048 26.0 23.0 6.0 392.4 180 257.0 790.0 23.0 6.0 392.4 180 257.0 790.0 23.0 6.0 392.4 180.0 257.0 790.0 23.0 6.0 392.4 180.0 257.0 790.0 23.0 180.0 25.0 34.0 6.0 392.4 180.0 257.0 790.0 20.0 30.0 40.0 50.0 34.0 44.0 50.0 40.0 17.0 24.0 44.0		610303	7.4	1500	924	29.0	16.0	276.0	4.0	268.2	149.0	208.0	100.0	0.28	0.0	139
M 630708 7.3 1665 1048 26.0 23.0 30.4 158.0 257.0 79.0 0.23 0.4 M 640708 8.2 1930 1156 29.0 26.0 399.9 189.0 267.0 79.0 0.23 0.3 M 640708 8.2 1930 1156 29.0 26.0 399.9 189.0 267.0 79.0 0.3 M 550926 7.7 7439 21.0 28.0 174.0 626.0 189.0 28.0 79.0 189.0 28.0 79.0 29.0 M 570829 7.7 5459 27.0 174.0 626.0 180.0 184.0 180.0 184.0 60.0 20.0 180.0 </td <td></td> <td>621030</td> <td>8.2</td> <td>1340</td> <td>916</td> <td>20.0</td> <td>12.0</td> <td>281.0</td> <td>3.0</td> <td>353.6</td> <td>117.0</td> <td>177.0</td> <td>55.0</td> <td>0.23</td> <td>0.2</td> <td>100</td>		621030	8.2	1340	916	20.0	12.0	281.0	3.0	353.6	117.0	177.0	55.0	0.23	0.2	100
M 640708 8.2 1930 1156 29.0 26.0 396.0 6.0 399.9 169.0 326.0 73.0 0.38 0.1 M 670926 7.7 1738 1156 21.0 28.0 324.0 5.0 343.8 168.0 262.0 72.5 0.23 0.3 M 670926 7.7 1743 204.0 174.0 626.0 15.0 534.0 184.0 6.2 72.5 0.23 0.3 M 670029 7.5 4274 2799 235.0 149.0 444.0 24.0 1434.0 0.0 0.20 0.0 M 670029 7.5 456.4 36.0 440.0 170.0 440.1 175.0 682.0 4.0 0.0 0.2 0.0 </td <td></td> <td>630708</td> <td>7.3</td> <td>1665</td> <td>1048</td> <td>26.0</td> <td>23.0</td> <td>304.0</td> <td>0.9</td> <td>302.4</td> <td>158.0</td> <td>257.0</td> <td>79.0</td> <td>0.23</td> <td>0.4</td> <td>160</td>		630708	7.3	1665	1048	26.0	23.0	304.0	0.9	302.4	158.0	257.0	79.0	0.23	0.4	160
M 670926 7.7 1738 1035 21.0 28.0 324.0 5.0 343.8 168.0 262.0 72.5 0.23 0.3 M 550921 7.6 7080 310.0 205.0 828.0 15.0 534.0 1844.0 6.8 0.4 0.4 M 550921 7.6 7080 31.0 205.0 828.0 15.0 534.0 1844.0 6.8 0.4 0.4 M 570022 7.7 4274 2799 250.0 149.0 14.0 46.0 62.0 1434.0 6.8 0.4 0.4 M 670026 7.6 2794 360.0 20.0 440.1 175.0 682.0 1.0 0.7 0.0 M 67036 8.2 294.0 95.0 440.1 16.0 440.1 175.0 682.0 1.0 0.7 0.0 M 67036 8.2 294.0 95.0 440.1 16.0 <t< td=""><td></td><td>640708</td><td>8.2</td><td>1930</td><td>1156</td><td>29.0</td><td>26.0</td><td>395.0</td><td>0.9</td><td>399.9</td><td>169.0</td><td>326.0</td><td>73.0</td><td>0.38</td><td>0.1</td><td>180</td></t<>		640708	8.2	1930	1156	29.0	26.0	395.0	0.9	399.9	169.0	326.0	73.0	0.38	0.1	180
550921 7.6 7080 310.0 205.0 828.0 15.0 597.4 340.0 1844.0 6.8 0.44 0.4 570829 7.7 5459 317.8 204.0 174.0 626.0 15.0 534.0 1434.0 6.8 0.44 0.0	32S/12E-13P01 M	670926	7.7	1738	1035	21.0	28.0	324.0	5.0	343.8	168.0	262.0	72.5	0.23	0.3	168
570829 7.7 5459 3178 204.0 174.0 626.0 15.0 534.0 234.0 1434.0 0.0 0.0 0.0 0.0 580930 7.5 4274 2799 235.0 149.0 444.0 24.0 185.0 180.0 0.0		550921	7.6	7080		310.0	205.0	828.0	15.0	597.4	340.0	1844.0	8.9	0.44	0.4	1618
580930 7.5 4274 2799 235.0 149.0 444.0 24.0 464.5 185.0 1089.0 0.0 0.28 0.3 671005 7.4 5634 364.0 369.0 205.0 455.0 14.0 376.7 183.0 1626.0 4.5 0.1 0.0 0.3 60117 8.2 2985 1700 95.0 83.0 406.0 20.0 444.1 175.0 652.0 1.0 0.0 0.3 67030 8.3 3030 1690 76.0 110.0 444.0 16.0 464.5 159.0 70.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 400.0 16.0 444.5 159.0 70.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 <t< td=""><td></td><td>570829</td><td>7.7</td><td>5459</td><td>3178</td><td>204.0</td><td>174.0</td><td>626.0</td><td>15.0</td><td>534.0</td><td>234.0</td><td>1434.0</td><td>0.0</td><td>0.70</td><td>0.0</td><td>1225</td></t<>		570829	7.7	5459	3178	204.0	174.0	626.0	15.0	534.0	234.0	1434.0	0.0	0.70	0.0	1225
671005 7.4 5634 3640 369.0 205.0 455.0 14.0 376.7 183.0 1626.0 4.5 0.16 0.5 660117 8.2 2985 1700 95.0 83.0 406.0 20.0 440.1 175.0 652.0 1.0 0.07 0.3 670309 8.3 3030 1690 76.0 110.0 414.0 16.0 464.5 159.0 701.0 4.2 0.0 670326 7.6 2874 1740 80.0 92.0 408.0 20.0 449.1 175.0 652.0 1.0 0.0 0.0 721013 7.9 2883 1689 93.0 93.0 449.0 165.0 679.0 0.0		580930	7.5	4274	2799	235.0	149.0	444.0	24.0	464.5	185.0	1089.0	0.0	0.28	0.3	1200
660117 8.2 2985 1700 95.0 83.0 406.0 20.0 440.1 175.0 652.0 1.0 0.07 0.3 670309 8.3 3030 1690 76.0 110.0 414.0 16.0 464.5 159.0 701.0 4.2 0.00 670326 7.6 2974 1740 80.0 92.0 488.4 165.0 659.0 7.0 0.08 0.3 721013 7.9 2893 1699 93.0 93.0 392.0 18.0 449.9 159.0 679.0 6.0 0.0		671005	7.4	5634	3640	369.0	205.0	455.0	14.0	376.7	183.0	1626.0	4.5	0.16	0.5	1765
670309 8.3 3030 1690 76.0 110.0 414.0 16.0 464.5 159.0 701.0 4.2 0.00 670926 7.6 2974 1740 80.0 92.0 408.0 20.0 458.4 165.0 659.0 7.0 0.08 0.3 721013 7.9 2893 1699 93.0 93.0 18.0 449.9 159.0 679.0 6.3 0.13 0.2 760609 8.2 2914 1706 94.0 95.0 400.0 16.2 474.3 159.0 667.0 0.4 0.12 0.2 960326 7.8 3200 187.0 125.0 95.4 380.0 24.0 426.7 154.0 67.0 0.4 0.2 0.2 0.5 660417 8.3 1035 651 101.0 32.0 79.0 50.0 218.2 160.0 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2<		660117	8.2	2985	1700	95.0	83.0	406.0	20.0	440.1	175.0	652.0	1.0	0.07	0.3	579
670926 7.6 2974 1740 80.0 92.0 408.0 20.0 458.4 165.0 659.0 7.0 0.08 0.3 721013 7.9 2893 1699 93.0 93.0 93.0 18.0 449.9 159.0 679.0 6.3 0.13 0.2 760609 8.2 2914 1706 94.0 95.0 400.0 16.2 474.3 159.0 667.0 0.4 0.12 0.2 960326 7.8 3200 1870 125.0 95.4 380.0 24.0 426.7 154.0 67.0 0.0 0.2 0.27 650430 8.3 1155 80 81.0 37.0 98.0 6.0 218.2 163.0 162.0 0.0 0.2 0.27 65.0 160.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		620309	8.3	3030	1690	76.0	110.0	414.0	16.0	464.5	159.0	701.0	4.2	0.00		643
721013 7.9 2893 1699 93.0 93.0 93.0 18.0 449.9 159.0 679.0<		670926	9.7	2974	1740	80.0	92.0	408.0	20.0	458.4	165.0	659.0	7.0	0.08	0.3	218
760609 8.2 2914 1706 94.0 95.0 400.0 16.2 474.3 159.0 667.0 0.4 0.12 0.5 960326 7.8 3200 1870 125.0 95.4 380.0 24.0 426.7 154.0 773.0 60.2 0.27 650430 8.3 1155 80 81.0 37.0 98.0 6.0 218.2 163.0 162.0 1.0 0.08 0.5 660117 8.3 1155 80 81.0 37.0 98.0 6.0 218.2 163.0 162.0 1.0 0.08 0.5 670309 7.9 964 57.1 80.0 50.0 50.0 280.4 148.0 48.0 1.3 0.05 0.2 721013 7.7 80 61.0 50.0 50.0 50.0 1.0 0.0 0.0 0.0 0.0 760609 7.9 855 104.0 27.0 50.0 4.0		721013	7.9	2893	1699	93.0	93.0	392.0	18.0	449.9	159.0	679.0	6.3	0.13	0.2	615
960326 7.8 3200 1870 125.0 95.4 380.0 24.0 426.7 154.0 773.0 <0.2 0.27 650430 8.3 1155 800 81.0 37.0 98.0 6.0 218.2 163.0 162.0 1.0 0.08 0.5 660117 8.3 1035 651 101.0 32.0 79.0 5.0 280.4 147.0 62.0 0.0 0.05 0.3 670309 7.9 964 571 89.0 27.0 59.0 5.0 280.4 148.0 48.0 1.9 0.05 0.3 721013 7.7 80.9 27.0 59.0 5.0 280.4 148.0 48.0 1.9 0.00 0.05 0.3 721013 7.7 543 80.0 31.0 70.0 5.0 380.8 1.2 1.0 0.08 0.2 760609 7.9 855 565 104.0 27.0 50.0		2609097	8.2	2914	1706	94.0	95.0	400.0	16.2	474.3	159.0	0.799	0.4	0.12	0.5	625
650430 8.3 1155 800 81.0 37.0 98.0 6.0 218.2 163.0 162.0 1.0 0.08 0.5 660117 8.3 1035 651 101.0 32.0 79.0 5.0 380.4 147.0 62.0 0.0 0.05 0.3 670309 7.9 964 571 89.0 27.0 59.0 5.0 380.4 148.0 48.0 1.9 0.0 0.5 0.3 670304 7.9 964 67.0 31.0 70.0 5.0 365.8 142.0 39.0 1.3 0.0 0.2 760609 7.9 855 565 104.0 27.0 52.0 4.0 336.5 153.0 34.0 0.6 0.2 0.5 960326 7.8 961 652 107.0 23.9 46.0 5.0 343.8 155.0 73.0 73.0 73.0 0.1 660117 8.0 1065 67		960326	7.8	3200	1870	125.0	95.4	380.0	24.0	426.7	154.0	773.0	<0.2	0.27		
660117 8.3 1035 651 101.0 32.0 79.0 5.0 380.4 147.0 62.0 0.0 0.05 0.3 670309 7.9 964 571 89.0 27.0 59.0 5.0 280.4 148.0 48.0 1.9 0.00 670926 8.0 919 610 87.0 31.0 70.0 50 365.8 142.0 39.0 1.3 0.05 721013 7.7 543 80.0 31.0 70.0 50.0 365.8 142.0 39.0 1.3 0.05 0.2 760609 7.9 855 104.0 27.0 52.0 4.0 336.5 153.0 34.0 0.6 0.0	32S/12E-24B02 M	650430	8.3	1155	800	81.0	37.0	98.0	0.9	218.2	163.0	162.0	1.0	0.08	0.5	354
M 670309 7.9 964 571 89.0 27.0 59.0 5.0 280.4 148.0 48.0 1.9 0.00 M 670926 8.0 919 610 87.0 31.0 70.0 5.0 365.8 142.0 39.0 1.3 0.05 0.2 M 721013 7.7 543 80.0 31.0 51.0 4.4 292.6 152.0 31.0 1.0 0.08 0.2 M 760609 7.9 855 565 104.0 27.0 52.0 4.0 336.5 153.0 34.0 0.6 0.02 0.7 M 960326 7.8 960 638 49.0 64.0 79.0 5.0 343.8 169.0 54.0 70.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 74.0 74.0	32S/12E-24B02 M	660117	8.3	1035	651	101.0	32.0	79.0	5.0	380.4	147.0	62.0	0.0	0.05	0.3	384
M 670926 8.0 919 610 87.0 31.0 70.0 50.3 365.8 142.0 39.0 1.3 0.05 0.2 M 721013 7.7 543 80.0 31.0 51.0 4.4 292.6 152.0 31.0 1.0 0.08 0.2 M 760609 7.9 855 565 104.0 27.0 52.0 4.0 336.5 153.0 34.0 0.6 0.0 0.5 0.5 M 660326 7.8 960 638 49.0 64.0 79.0 5.0 343.8 169.0 54.0 60.2 0.1 M 660177 8.0 1065 670 103.0 36.0 74.0 5.0 345.0 158.0 73.0 1.0 0.00 0.2 M 660177 8.0 911 540 70.0 37.0 45.0 45.0 24.0 24.0 0.00 0.2	32S/12E-24B02 M	620309	7.9	964	571	89.0	27.0	59.0	5.0	280.4	148.0	48.0	1.9	0.00		333
M 721013 7.7 543 80.0 31.0 61.0 4.4 292.6 152.0 31.0 1.0 0.08 0.2 M 760609 7.9 855 104.0 27.0 27.0 4.0 336.5 153.0 34.0 0.6 0.02 0.5 M 660326 7.8 961 652 107.0 23.9 46.0 5.0 343.8 169.0 54.0 60.2 0.1 M 650501 8.2 960 638 49.0 64.0 79.0 5.0 354.8 155.0 73.0 3.0 0.13 0.1 M 660117 8.0 1065 670 103.0 36.0 74.0 5.0 345.0 158.0 79.0 1.0 0.00 0.2 M 670309 7.9 911 540 70.0 37.0 40.0 45.0 24.0 0.00	32S/12E-24B02 M	670926	8.0	919	610	87.0	31.0	70.0	5.0	365.8	142.0	39.0	1.3	0.05	0.2	345
M 760609 7.9 855 565 104.0 27.0 52.0 4.0 336.5 153.0 34.0 0.6 0.02 0.5 M 960326 7.8 961 652 107.0 23.9 46.0 5.0 343.8 169.0 54.0 60.2 0.1 M 650501 8.2 960 638 49.0 64.0 79.0 5.0 354.8 155.0 73.0 3.0 0.1 M 660117 8.0 1065 670 103.0 36.0 74.0 5.0 345.0 158.0 79.0 1.0 0.00 0.2 M 670309 7.9 911 540 70.0 37.0 69.0 4.0 334.1 140.0 45.0 24.0 0.00		721013	7.7		543	80.0	31.0	51.0	4.4	292.6	152.0	31.0	1.0	0.08	0.2	328
M 960326 7.8 961 652 107.0 23.9 46.0 5.0 343.8 169.0 54.0 <0.2 0.10 M 650501 8.2 960 638 49.0 64.0 79.0 5.0 354.8 155.0 73.0 3.0 0.13 0.1 M 660117 8.0 1065 670 103.0 36.0 74.0 5.0 345.0 158.0 79.0 1.0 0.00 0.2 M 670309 7.9 911 540 70.0 37.0 69.0 4.0 334.1 140.0 45.0 2.4 0.00		760609	7.9	855	565	104.0	27.0	52.0	4.0	336.5	153.0	34.0	9.0	0.02	0.5	371
M 650501 8.2 960 638 49.0 64.0 79.0 5.0 354.8 155.0 73.0 3.0 0.13 0.1 M 660117 8.0 1065 670 103.0 36.0 74.0 5.0 345.0 158.0 79.0 1.0 0.00 0.2 M 670309 7.9 911 540 70.0 37.0 69.0 4.0 334.1 140.0 45.0 2.4 0.00		960326	7.8	961	652	107.0	23.9	46.0	5.0	343.8	169.0	54.0	<0.2	0.10		
M 660117 8.0 1065 670 103.0 36.0 74.0 5.0 345.0 158.0 79.0 1.0 0.00 0.2 M 670309 7.9 911 540 70.0 37.0 69.0 4.0 334.1 140.0 45.0 2.4 0.00	32S/12E-24B03 M	650501	8.2	096	638	49.0	64.0	79.0	5.0	354.8	155.0	73.0	3.0	0.13	0.1	386
M 670309 7.9 911 540 70.0 37.0 69.0 4.0 334.1 140.0 45.0 2.4 0.00		660117	8.0	1065	029	103.0	36.0	74.0	5.0	345.0	158.0	79.0	1.0	0.00	0.2	405
	32S/12E-24B03 M	670309	7.9	911	540	70.0	37.0	0.69	4.0	334.1	140.0	45.0	2.4	0.00		327

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3: Bicarbonate, SO4: Sulfate, CI: Chloride, NO3: Nitrate, B: Boron, FI: Fluoride

☐ Appendix F

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	Date	핌	EC	TDS@180°C	Ca	Mg	Na	$^{\times}$	HCO3H	SO ₄	ū	NO.	8	Ē	Total Hard-
State Well No.	yr/mo/da	ap	\neg	mg/L	mg/L	тв/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	-31	ness, mg/L
32S/12E-24B03 M	670926	7.7	978	652	95.0	40.0	57.0	4.0	370.6	162.0	41.0	0.0	0.03	0.2	402
32S/12E-24B03 M	721013	9.7	914	596	85.0	42.0	54.0	3.9	337.7	168.0	37.0	0.1	0.05	0.2	385
32S/12E-24B03 M	209097	7.8	878	569	85.0	39.0	53.0	3.7	330.4	165.0	36.0	0.0	90.0	0.4	373
32S/12E-24B03 M	960326	7.8	666	646	104.0	42.2	52.0	4.3	412.1	164.0	40.7	<0.2	0.12		
32S/12E-24J01 M	610928	7.8	580	408	33.0	17.0	52.0	4.0	42.7	56.0	64.0	0.96	0.07	0.1	153
32S/12E-24K01 M	610928	7.9	2445	1677	145.0	65.0	333.0	7.0	442.6	162.0	603.0	8.1	0.03	0.2	630
32S/12E-24K01 M	620713	7.8	2600	1514	158.0	58.0	312.0	0.9	445.0	192.0	550.0	0.0	0.08	0.1	633
32S/12E-24K01 M	671102	8.1	1197	748	81.0	51.0	109.0	8.0	481.6	95.0	107.0	3.0	0.14	0.2	412
32S/12E-24R01 M	650616	7.9	1500	868	0.69	63.0	160.0	0.9	341.4	110.0	268.0	33.0	0.12	0.1	431
32S/12E-24R01 M	660118	9.7	1687	1082	113.0	47.0	137.0	3.0	186.5	87.0	345.0	67.0	0.08	0.2	476
32S/12E-24R01 M	670310	8.2	4280	2410	106.0	89.0	664.0	21.0	983.9	48.0	871.0	5.5	0.70		631
32S/12E-24R01 M	670927	7.7	826	257	43.0	22.0	79.0	4.0	91.4	77.0	0.96	112.5	0.04	0.2	198
32S/12E-24R01 M	2609097	7.9	1145	701	40.0	29.0	162.0	9.1	229.2	114.0	149.0	83.4	0.14	9.0	219
32S/12E-24R02 M	650616	7.9	745	200	61.0	40.0	45.0	2.0	225.6	132.0	64.0	10.0	0.10	0.1	317
32S/12E-24R02 M	660118	8.1	758	458	75.0	23.0	45.0	2.0	203.6	94.0	71.0	9.5	0.00	0.2	282
32S/12E-24R02 M	670927	7.9	912	580	82.0	30.0	53.0	3.0	206.0	85.0	121.0	29.0	0.00	0.2	328
32S/12E-24R02 M	209097	8.2	269	426	67.0	21.0	51.0	2.1	201.2	88.0	61.0	26.0	0.03	0.5	254
32S/12E-24R03 M	650616	7.7	1140	748	116.0	52.0	63.0	3.0	403.6	168.0	103.0	5.0	0.08	0.2	504
32S/12E-24R03 M	660119	7.8	1051	640	110.0	45.0	50.0	3.0	375.5	167.0	54.0	1.0	0.00	0.2	460
32S/12E-24R03 M	670926	9.7	922	612	80.0	46.0	44.0	3.0	338.9	163.0	32.0	0.0	0.03	0.2	389
32S/12E-24R03 M	209097	7.8	916	582	91.0	48.0	45.0	2.7	369.4	166.0	31.0	0.4	0.04	0.5	425
32S/13E-18P01 M	870911	9.9		850	52.0	30.0	150.0	4.0	121.9	120.0	270.0	0.4		1.3	260
32S/13E-18P01 M	900125	6.2	1600	1000	68.0	39.0	190.0	7.0	180.0	140.0	350.0	6.0		6.0	340
32S/13E-18P01 M	921208	6.9	2900	1464	144.2	82.6	302.5	10.5	388.0	210.3	552.8	1.0		1.3	200
32S/13E-18P01 M	950926	6.7	2150	1256	110.5	85.2	221.9	8.9	251.3	359.0	345.3	<1.0		1.1	596
32S/13E-19B01 M	870911	6.5	006	640	37.0	16.0	130.0	3.0	109.7	35.0	220.0	0.4		1.2	160
32S/13E-19B01 M	900125	0.9	1100	860	48.0	23.0	150.0	4.0	130.0	63.0	260.0	0.9		1.0	190
32S/13E-19B01 M	921208	7.0	2200	1108	104.1	43.7	260.0	6.4	307.4	106.0	460.5	<1.0		1.5	440
32S/13E-19B01 M	950926	6.9	220	284	27.7	11.4	62.9	2.1	91.3	21.0	110.0	<1.0		0.9	108
32S/13E-19J02 M	640306	7.0	290	248	12.0	4.0	48.0	2.0	30.5	2.0	46.0	0.69	0.05	0.1	47
32S/13E-19J02 M	671023	7.2	514	258	19.0	9.0	58.0	3.0	24.4	15.0	65.0	115.0	0.10	0.1	85
32S/13E-19L01 M	640306	7.1	400	198	24.0	8.0	50.0	1.0	45.1	37.0	50.0	76.0	0.02	0.1	93
32S/13E-19N01 M	540929	6.9	454		23.0	9.0	47.0	1.0	21.9	41.0	57.0	75.0	0.03	0.1	95
32S/13E-19N01 M	570829	6.5	296	336	22.0	15.0	64.0	2.0	21.9	58.0	73.0	86.0	0.20	0.0	117
32S/13E-19N01 M	580206	6.3	211	353	18.0	13.0	53.0	1.0	21.9	33.0	0.69	75.0	0.00	0.2	66

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3: Bicarbonate, SO4: Sulfate, Cl: Chloride, NO 3: Nitrate, B: Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

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	Date	풉	<u>ျ</u>	D3@180 C	ర్త	Mg	a S	<u>~</u>	၂ ၁ ၁	SO ₄		ာ လ	<u>n</u>		Total Hard-
State Well No.	yr/mo/da	lab	lab	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ness, mg/L
32S/13E-19N01 M	590922	7.3	620	407	26.0	17.0	65.0	1.0	24.4	58.0	75.0	114.0	0.30	0.0	135
32S/13E-19N01 M	610302	6.3	725		38.0	17.0	72.0	2.0	25.6	80.0	84.0	133.0	0.10	0.0	165
32S/13E-19Q01 M	640306	6.5	450	336	22.0	10.0	62.0	2.0	39.0	36.0	0.99	80.0	0.05	0.1	96
32S/13E-19Q02 M	730413	7.5	1020	999			47.0			162.0	31.0	0.3			480
32S/13E-19Q02 M	731123	7.5	740	545	81.0	42.0	57.0	4.4	378.0	145.0	28.0	9.0		0.4	360
32S/13E-19Q02 M	761012	7.9	682	377	0.69	34.0	24.0	3.9	259.7	109.0	24.0	1.0	90.0	0.4	313
32S/13E-19Q02 M	870826	7.2		700	93.0	51.0	55.0	4.0	451.0	150.0	25.0	0.4		0.2	480
32S/13E-19Q02 M	900125	9.9	1000	730	110.0	46.0	47.0	4.0	400.0	170.0	29.0	<0.4		0.3	470
32S/13E-19Q02 M	921208	7.4	1070	589	124.9	37.9	48.0	2.3	441.6	147.7	47.1	<1.0		0.2	468
32S/13E-19Q02 M	951107	7.5	1180	685	126.6	56.4	49.7	2.7	489.5	161.1	47.3	<1.0		0.1	548
32S/13E-19Q02 M	981103	7.4	1140	682	142.0	40.0	41.1	3.2	451.0	170.0	63.8	2.0		0.2	505
32S/13E-19R01 M	640306	6.8	630	449	43.0	16.0	73.0	2.0	18.3	74.0	76.0	155.0	0.07	0.1	174
32S/13E-20M01 M	640304	7.1	200	337	23.0	8.0	35.0	80.0	123.1	14.0	92.0	20.0	0.05	0.1	91
32S/13E-20M03 M	640617	6.7	650	470	26.0	28.0	74.0	1.0	28.0	77.0	85.0	133.0	0.05	0.1	180
32S/13E-20N01 M	640617	7.2	900	930	71.0	40.0	0.09	3.0	169.5	135.0	78.0	116.0	0.10	0.1	342
32S/13E-20N05 M	640305	7.0	009	450	29.0	19.0	70.0	2.0	37.8	93.0	63.0	107.0	0.05	0.1	151
32S/13E-20N05 M	671025	7.3	1114	269	45.0	33.0	115.0	2.0	36.6	105.0	187.0	132.5	0.05	0.1	248
32S/13E-28B01 M	711028	7.9	1786	1382	220.0	99.0	81.0	3.5	529.1	538.0	89.0	2.6	0.08	0.4	926
32S/13E-28E01 M	540929	7.4	1020		105.0	58.0	47.0	2.0	421.8	177.0	51.0	13.6	0.00	0.1	501
32S/13E-28E01 M	610303	7.5	1070		112.0	52.0	53.0	2.0	410.9	176.0	0.09	22.0	0.10	0.1	494
32S/13E-28E01 M	620823	7.4	1020	692	105.0	51.0	52.0	2.0	417.0	167.0	56.0	16.0	60.0	0.1	472
32S/13E-28E01 M	640617	7.7	1041	684	108.0	52.0	49.0	2.0	390.1	157.0	55.0	25.0	0.16	0.4	484
32S/13E-28E05 M	610303	6.8	630		40.0	28.0	52.0	1.0	135.3	127.0	40.0	45.0	0.00	0.1	215
32S/13E-28E05 M	640617	7.8	1061	202	106.0	53.0	50.0	2.0	392.6	157.0	26.0	26.0	0.20	0.4	483
32S/13E-28L01 M	691007	7.8	860	584	72.0	39.0	46.0	2.0	157.3	198.0	54.0	33.0	0.04	0.2	340
32S/13E-28L01 M	701014	8.0	877	611	77.0	39.0	50.0	2.0	167.0	201.0	57.0	53.0	0.04	0.3	353
32S/13E-28L01 M	871105	8.2	849	999	70.0	0.09	37.0	2.2	239.0	229.0	49.0	0.5	0.10	0.4	421
32S/13E-28Nx1 M	950419	7.2	1580	1080	185.0	81.0	26.0	3.0	483.0	363.0	80.0	42.1		0.3	795
32S/13E-28Nx2 M	950418	7.0	1430	950	152.0	68.0	29.0	2.3	429.0	268.0	93.3	53.1		0.3	629
32S/13E-28Nx2 M	960408											34.0			
32S/13E-29B01 M	691007	7.9	802	529	0.09	39.0	49.0	2.0	218.2	122.0	54.0	33.0	0.04	0.3	310
32S/13E-29B01 M	711029	8.2	880	583	82.0	40.0	54.0	2.2	289.0	152.0	52.0	37.5	90.0	0.2	369
32S/13E-29C02 M	741107	8.6	833	206	73.0	35.0	46.0	2.7	204.8	119.0	53.0	80.0	0.00	0.3	327
32S/13E-29C02 M	811016	8.1	938	579	77.0	42.0	50.0	2.9	270.7	133.0	26.0	41.6	0.00	0.3	364
32S/13E-29D01 M	540929	7.8	934		97.0	49.0	44.0	3.0	412.1	144.0	31.0	2.5	0.05	0.1	444

EC: Electrical Conductivity in umbos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3; Bicarbonate, SQ2; Sulfate, Ct: Chloride, NO3; Nitrate, B: Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	oteC	그	Ü	TDS@180°C	. [5	N N	Z	7	H ₂	G.	<u>-</u>	Š	<u>_</u>	i i	Total Hard-
	Dale	5			2	D .	2	<u> </u>		2	5			_	ם פון
State Well No.	yr/mo/da	ap B	ap	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L n	mg/L n	mg/L	ness, mg/L
32S/13E-29D01 M	570305	7.4	787	481	67.0	42.0	44.0	4.0	342.6	112.0	27.0		90.0	0.0	340
32S/13E-29D01 M	610303	7.3	980		108.0	44.0	43.0	3.0	434.0	149.0	34.0	0.0	0.13	0.0	451
32S/13E-29D01 M	640617	9.7	971	626	108.0	46.0	42.0	3.0	420.6	143.0	32.0		3.05	0.3	459
32S/13E-29D02 M	610509	7.4	620		51.0	19.0	48.0	2.0	69.5	77.0	63.0).25	0.1	205
32S/13E-29D02 M	640617	7.1	650	478	48.0	19.0	61.0	2.0	69.5	62.0	81.0		90.0	0.1	198
32S/13E-29D03 M	610303	7.2	480		27.0	11.0	46.0	2.0	50.0	35.0	46.0		90.0	0.0	113
32S/13E-29D03 M	640617	7.6	575	408	32.0	15.0	51.0	2.0	46.3	41.0	68.0		0.50	0.2	142
32S/13E-29D04 M	691007	7.8	891	592	79.0	43.0	44.0	3.0	275.5	127.0	52.0		00.0	0.2	374
32S/13E-29D04 M	711029	7.4	862	547	80.0	38.0	47.0	2.4	243.8	122.0	55.0		7.04	0.2	356
32S/13E-29E01 M	561212	7.1		583	64.0	31.0	42.0	4.0	170.7	0.96	51.0		0.10	0.3	287
32S/13E-29E01 M	600512	7.2	785	593	67.0	29.0	54.0	3.0	114.6	155.0	62.0		0.02	0.2	286
32S/13E-29E01 M	610303	7.2	865		70.0	34.0	53.0	3.0	121.9	131.0	62.0		.13	0.2	315
32S/13E-29E01 M	620416	7.0	932	536	0.79	32.0	58.0	3.0	147.5	123.0	63.0		0.70	0.2	299
32S/13E-29E01 M	640703	9.7	930	563	0.69	33.0	58.0	3.0	124.4	134.0	72.0		0.10	0.2	308
32S/13E-29E01 M	670126	7.4	952	601	70.0	35.0	58.0	3.0	110.9	134.0	76.0		70.0	0.2	319
32S/13E-29E01 M	720615	7.4		615	76.0	34.0	52.0	2.7	175.6	144.0	58.0	94.0		0.4	330
32S/13E-29E01 M	781004	7.8	730	526	0.69	23.0	55.0	3.4	101.2	154.0	51.0	101.0		0.2	305
32S/13E-29E01 M	860402	7.2	750	490	55.0	29.0	46.0		80.5	140.0	50.0	89.0		0.4	260
32S/13E-29E01 M	891228	6.3	700	470	54.0	28.0	54.0	4.0	95.0	130.0	50.0	93.0		0.3	240
32S/13E-29E01 M	900306	6.2	750	200	54.0	27.0	26.0	5.0	95.0	140.0	57.0	100.0		0.3	260
32S/13E-29E01 M	900713	9.9	009	450	56.0	28.0	54.0	3.0	100.0	120.0	110.0	71.0		0.2	250
32S/13E-29E01 M	920707	7.0	760	448	56.1	26.2	57.1	2.3	124.4	123.0	55.5	76.8		0.1	248
32S/13E-29E01 M	930915	7.2	750	441	59.3	24.8	49.7	2.0	97.6	129.0	51.6	76.5		0.2	250
32S/13E-29E01 M	960917	7.4	840	202	65.7	30.4	45.1	2.8	100.0	139.0	50.5	112.0		0.3	291
32S/13E-29E01 M	991214	7.0	760	461	69.2	23.8	44.0	3.0	109.0	122.0	42.0			0.1	271
32S/13E-29E02 M	561212	7.2		287	65.0	32.0	43.0	2.0	219.5	100.0	46.0		0.10	0.1	294
32S/13E-29E02 M	600512	7.0	834	589	71.0	34.0	44.0	3.0	197.5	121.0	56.0		0.04	0.2	317
32S/13E-29E02 M	620416	6.5	916	200	0.09	34.0	55.0	2.0	110.9	143.0	0.99		0.10	0.1	290
32S/13E-29E02 M	640703	7.4	1013	595	82.0	37.0	57.0	3.0	179.2	136.0	82.0		0.20	0.1	357
32S/13E-29E02 M	670126	7.2	980	598	79.0	39.0	53.0	3.0	206.0	127.0	68.0		70.0	0.2	358
32S/13E-29E02 M	720615	7.4		645	58.0	37.0	52.0	3.0	121.9	152.0	0.09	86.0		0.3	295
32S/13E-29E02 M	740425	7.4	720	566	76.0	35.3	51.0	3.4	200.0	150.0	54.0	56.4		0.5	337
32S/13E-29E02 M	911121	6.5	950	290	74.0	45.0	54.0	<3.0	110.0	180.0	59.0	120.0	•	٥.1 م	360
32S/13E-29E02 M	920707	7.4	920	557	7.77	35.3	57.0	2.5	124.4	147.7	60.2	125.0		0.1	339
32S/13E-29E02 M	941220	7.4	930	209	69.8	41.4	53.3	2.3	132.7	167.4	51.3	169.5		0.5	336

EC: Electrical Conductivity in umhosicm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3; Bicarbonate, SO4; Sulfate, Cl: Chloride, NO3; Nitrate, B: Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	ofeC	Ξ	C L	TDS@180°C	5	Ma	2	7	HCO	SO.	2	Š	-		Total Hard-
	Date	5))	2		2	_		5	5		_		
State Well No.	yr/mo/da	lab	lab	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ness, mg/L
32S/13E-29E02 M	980603	6.5	890	576	88.1	32.0	45.9	1.0	103.0	144.0	51.4	163.0		0.4	354
32S/13E-29E03 M	590601	7.3	870		83.0	43.0	38.0	3.0	301.1	111.0	46.0	46.0	0.04	0.2	384
32S/13E-29E03 M	600512	7.1	888	628	81.0	37.0	42.0	3.0	209.7	128.0	0.69	50.0	0.01	0.2	354
32S/13E-29E03 M	601111	7.0	908		74.0	35.0	48.0	3.0	204.8	136.0	63.0	37.0	0.04	0.1	329
32S/13E-29E03 M	620416	7.0	948	763	74.0	36.0	52.0	3.0	169.5	139.0	62.0	98.0	0.10	0.1	333
32S/13E-29E03 M	640617	7.6	006	644	0.69	47.0	58.0	3.0	191.4	134.0	73.0	107.0	0.13	0.1	366
32S/13E-29E03 M	640703	7.4	977	566	82.0	38.0	32.0	3.0	181.7	133.0	72.0	59.0	0.20	0.2	361
32S/13E-29E03 M	670126	6.8	1000	615	76.0	39.0	57.0	3.0	175.6	136.0	77.0	105.0	0.11	0.2	350
32S/13E-29E03 M	711029	7.9	796	520	63.0	35.0	50.0	2.0	139.0	156.0	58.0	78.0	0.04	0.2	301
32S/13E-29E03 M	870909	8.9	006	620	75.0	39.0	53.0	3.0	120.0	170.0	0.09	120.0		0.1	370
32S/13E-29E03 M	891228	6.4	006	009	72.0	39.0	55.0	5.0	110.0	170.0	54.0	140.0		0.2	340
32S/13E-29E03 M	900306	6.1	900	570	0.69	36.0	54.0	6.0	120.0	180.0	59.0	130.0		0.1	350
32S/13E-29E03 M	900713	6.4	800	610	75.0	41.0	54.0	3.0	120.0	160.0	50.0	93.0		0.2	350
32S/13E-29E03 M	960522	7.3	066	299	80.0	49.5	54.3	2.5	112.0	195.0	61.4	167.0		1.6	368
32S/13E-29E03 M	000124	7.0	940	590	99.3	19.8	50.6	2.4	117.0	146.0	49.2	166.0		0.1	330
32S/13E-29E05 M	640617	7.1	755	558	62.0	28.0	56.0	3.0	97.5	84.0	0.69	156.0	0.08	0.2	270
32S/13E-29E07 M	790924	8.1	940		102.0	49.0	55.0	3.5	465.7	133.0	34.0	0.5		0.2	470
32S/13E-29E07 M	810902	8.1	790	612	112.8	48.8	25.7		473.7	86.0	25.0	0.0			480
32S/13E-29E07 M	891228	9.9	1000	640	110.0	54.0	42.0	4.0	400.0	150.0	29.0	7.5		0.3	200
32S/13E-29E07 M	900306	6.5	1000	069	120.0	58.0	44.0	3.0	420.0	160.0	30.0	8.0		0.3	510
32S/13E-29E07 M	900713	6.9	890	099	110.0	56.0	42.0	5.0	440.0	140.0	28.0	8.4		0.3	490
32S/13E-29E07 M	930915	9.7	1110	605	107.3	51.5	39.8	2.4	451.4	146.2	25.8	9.6		0.3	480
32S/13E-29E07 M	960924	9.7	1030	617	112.0	48.6	38.1	2.7	438.0	155.0	29.6	14.9		0.4	480
32S/13E-29E07 M	206066	7.1	1070	614	119.0	45.0	41.1	1.1	432.0	148.0	30.7	16.4		0.2	483
32S/13E-29F01 M	671024	9.7	1049	684	88.0	43.0	0.09	3.0	240.2	145.0	81.0	94.5	0.00	0.3	397
32S/13E-29F01 M	840222	9.7	987	470	49.0	43.4	53.0		179.2	126.0	60.3	64.6		0.3	300
32S/13E-29F01 M	880301	7.2	700	450	50.0	24.0	41.0	5.0	134.1	110.0	45.0	62.0		~ 0.1	250
32S/13E-29F01 M	910129	7.7	760	448	61.7	28.7	42.3	2.0	141.5	105.8	36.6	77.5		0.1	272
32S/13E-29F01 M	940308	9.7	069	415	67.3	19.2	43.9	2.0	151.3	114.9	47.9	45.2		0.2	247
32S/13E-29F01 M	970311	7.4	710	406	71.1	19.4	40.5	1.7	154.0	109.0	45.1	43.0		0.3	258
32S/13E-29F01 M	000321	7.0	675	417	87.0	8.0	47.0	2.0	150.0	116.0	43.0	41.0		0.0	259
32S/13E-29G01 M	501113	7.5	872	558	90.0	43.0	37.0	3.0	360.9	131.0	32.0	10.0	0.01		402
32S/13E-29G01 M	570306	7.4	945	591	102.0	45.0	38.0	3.0	382.8	146.0	35.0	8.7	0.01	0.2	440
32S/13E-29G01 M	590218	7.9	842	601	80.0	39.0	36.0	2.0	210.9	150.0	53.0	0.09	0.08	0.2	360
32S/13E-29G01 M	600803	7.2	939		99.0	46.0	38.0	2.0	331.6	153.0	41.0	18.0	0.11	0.3	436

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3: Bicarbonate, SO4: Sulfate, CI: Chloride, NO3: Nitrate, B. Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	350	-	C	TDC@180°C	2	M				9	2	C N	0	ī	Total Hard
	Date)))	3	 §	ש ב	_	 ဦ	o 20 40	5	ှိ ဦ	-		-טומו ומות-
State Well No.	yr/mo/da	lab	lab	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L I	mg/L n	mg/L	ness, mg/L
32S/13E-29G01 M	611117	7.4	948	627	103.0	49.0	34.0	2.0	357.2	144.0	43.0	31.0	0.02	0.4	459
32S/13E-29G01 M	620823	7.4	810	638	77.0	33.0	41.0	4.0	175.6	143.0	54.0	0.09	0.05	0.4	328
32S/13E-29G01 M	621016	7.3	820	480	79.0	43.0	43.0	2.0	285.3	132.0	0.09	31.0	60.0	0.2	374
32S/13E-29G01 M	630925	7.2	937	705	104.0	45.0	42.0	3.0	360.9	146.0	44.0	28.0	0.08	7.	445
32S/13E-29G01 M	640922	7.7	940	612	73.0	46.0	42.0	2.0	187.8	152.0	37.0	111.0	0.12	0.2	371
32S/13E-29G01 M	641013	9.7	869	670	82.0	40.0	42.0	2.0	260.9	136.0	48.0	44.0	90.0	0.4	369
32S/13E-29G01 M	690411	8.0		625	82.0	30.0	52.0	3.2	232.9	161.0	50.0	40.0		0.2	335
32S/13E-29G01 M	740912	7.9	889	029	88.0	43.0	42.0	2.0	262.1	152.0	53.0	35.0		0.2	395
32S/13E-29G01 M	840222	7.7	1009	544	41.0	50.8	62.5		236.5	140.0	43.1	41.2		0.4	311
32S/13E-29G01 M	840829	7.2	737	552	59.9	33.7	42.5		284.1	104.0	34.2				288
32S/13E-29G01 M	880301	7.3	700	420	58.0	26.0	49.0	4.0	182.9	130.0	45.0	39.0		<0.1	270
32S/13E-29G01 M	910129	7.7	840	487	82.5	24.8	43.0	2.1	225.5	129.4	34.9	25.1		0.3	308
32S/13E-29G01 M	940308	9.7	780	470	72.1	28.2	47.6	2.2	198.6	142.8	48.3	31.2		0.3	296
32S/13E-29G01 M	970311	7.3	850	494	87.9	27.3	44.3	2.4	218.0	148.0	45.0	31.0		0.3	332
32S/13E-29G01 M	000321	7.0	820	509	102.0	18.0	45.0	2.0	216.0	163.0	43.0	30.0		0.0	329
32S/13E-29G02 M	590218	8.1	984	661	110.0	53.0	33.0	3.0	414.5	165.0	32.0	3.9	60.0	0.2	493
32S/13E-29G02 M	640617	8.2	952	642	102.0	50.0	39.0	2.0	390.1	146.0	44.0	25.5	0.15	0.5	460
32S/13E-29G02 M	640922	9.7	006	640	74.0	59.0	46.0	2.0	343.8	160.0	46.0	20.0	0.55	0.1	427
32S/13E-29G02 M	651007	7.9	938	610	99.0	46.0	40.0	2.0	349.9	148.0	43.0	27.0	0.12	0.4	436
32S/13E-29G02 M	701023	7.8	788	522	0.09	48.0	39.0	3.0	253.6	160.0	40.0	10.0	0.02	0.4	347
32S/13E-29G02 M	711026	9.7	828	571	81.0	39.0	48.0	2.1	245.1	159.0	54.0	39.0	0.04	0.2	363
32S/13E-29G02 M	840222	9.7	1031	553	37.0	62.2	56.0		267.0	148.0	45.8	35.8		0.3	348
32S/13E-29G02 M	880301	7.4	820	550	70.0	33.0	48.0	5.0	219.5	140.0	55.0	58.0		~ 0.1	340
32S/13E-29G02 M	910129	9.7	820	519	78.5	33.1	45.2	2.1	213.7	131.7	39.4	38.1		0.2	332
32S/13E-29G02 M	940308	9.7	780	467	0.99	29.9	48.2	2.1	188.9	141.0	46.4	40.2		0.3	288
32S/13E-29G02 M	970311	9.7	890	513	90.3	27.6	47.5	1.9	239.0	150.0	44.8	33.0		0.3	339
32S/13E-29G02 M	000321	7.0	870	555	101.0	25.0	52.0	2.0	249.0	173.0	46.0	34.0		0.0	354
32S/13E-29G03 M	840222	8.3	1140	646	15.4	111.0	46.5		545.0	137.0	26.0	0.4		0.4	497
32S/13E-29G03 M	840829	7.4	1048	069	107.0	47.5	26.0		534.0	117.7	28.4				463
32S/13E-29G13 M	691007	7.8	848	572	0.09	46.0	41.0	3.0	180.4	153.0	57.0	42.0	0.05	0.3	339
32S/13E-29G14 M	761118	8.4		750	96.0	42.5	40.0	2.4	295.0	157.0	42.0	31.0		0.2	415
32S/13E-29G14 M	840222	7.6	1042	575	37.6	61.8	64.0		257.3	152.0	54.0	44.7		0.3	348
32S/13E-29G14 M	840829	7.3	871	572	24.5	6.09	63.0		262.1	128.2	46.5				311
32S/13E-29G14 M	880301	7.3	800	540	71.0	34.0	43.0	5.0	243.8	150.0	45.0	34.0		~ 0.1	320
32S/13E-29G14 M	910129	7.8	820	502	72.9	40.3	40.1	2.1	239.1	138.6	34.6	25.5		0.3	348

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Caldium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3; Bicarbonate, SO4; Sulfate, Cl: Chloride, NO5; Mitrate, B: Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

		1	ı	Choop Apply			-	1			[9	,	H	
	Date	E.	<u>၂</u>	1 DS@180 C	ق ت	Mg	Z Ø	<u>~</u>	ာ ၁	Ç	5	_ ဦ	<u> </u>	_	otal Hard-
State Well No.	yr/mo/da	lab	lab	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L r	mg/L	ness, mg/L
32S/13E-29G14 M	940308	7.4	810	499	83.3	29.2	45.1	3.2	221.1	154.0	47.1	28.2		0.3	328
32S/13E-29G14 M	970311	7.4	890	521	116.0	16.5	42.9	2.0	241.0	152.0	43.9	28.9		0.3	358
32S/13E-29G14 M	000321	7.0	870	545	101.0	30.0	48.0	2.0	242.0	172.0	44.0	29.0		0.0	373
32S/13E-29G15 M	850515	7.5	1021	229	104.0	47.4	54.5		465.7	133.0	29.6				456
32S/13E-29G15 M	880301	7.5		029	110.0	51.0	35.0	0.9	499.9	150.0	30.0	<0.4		6 0.1	530
32S/13E-29G15 M	880322	7.2	1050	650	110.0	54.0	39.0	<3.0	487.7	130.0	25.0	<0.4		~ 0.1	530
32S/13E-29G15 M	910129	7.6	1150	713	112.1	58.0	37.0	2.3	490.4	127.0	20.3	<1.0		6 0.1	519
32S/13E-29G15 M	940308	7.5	1040	638	120.1	50.3	38.9	2.3	500.7	149.7	30.1	<1.0		0.3	202
32S/13E-29G15 M	970311	7.6	1090	641	161.0	27.7	36.5	2.2	503.0	138.0	27.4	2.0		0.4	516
32S/13E-29G15 M	000321	7.0	1040	646	156.0	34.0	38.0	2.0	489.0	148.0	27.0	2.0		0.0	531
32S/13E-29G17 M	900615	6.8	850	540	85.0	39.0	45.0	3.0	270.0	140.0	48.0	39.0		0.1	390
32S/13E-29G17 M	930202	7.7	900	524	92.4	40.1	39.4	2.2	303.5	157.2	42.3	25.8		0.3	396
32S/13E-29G17 M	960416	7.7	880	550	86.4	45.3	38.8	2.6	292.0	165.0	41.6	26.2		0.2	392
32S/13E-29G17 M	990525	7.3	096	211	113.0	30.4	43.1	2.4	315.0	166.0	41.8	22.6		0.1	407
32S/13E-29G17 M	000321	7.0	915	629	130.0	19.0	44.0	3.0	307.0	168.0	42.0	22.0		0.0	405
32S/13E-29M04 M	871105	8.2	926	726	82.0	41.0	56.0	3.4	132.9	160.0	81.0	132.0	0.20	0.3	373
32S/13E-29P01 M	521112	7.5	559	374	0.99	17.0	33.0	2.0	180.4	98.0	32.0	2.6	0.02		235
32S/13E-30F01 M	650528	11.4	2620	2032	339.0	22.0	205.0	10.0	252.4	192.0	596.0	23.0	0.12	0.1	937
32S/13E-30F01 M	670310	7.7	2790	1960	213.0	87.0	232.0	6.0	137.8	437.0	541.0	26.0	0.00		890
32S/13E-30F02 M	650528	8.1	865	552	75.0	43.0	52.0	3.0	262.1	140.0	59.0	31.0	0.10	0.1	364
32S/13E-30F02 M	660120	9.7	970	580	94.0	38.0	47.0	2.0	280.4	152.0	68.0	27.0	0.08	0.2	391
32S/13E-30F02 M	670310	8.0	266	920	89.0	39.0	51.0	3.0	280.4	152.0	64.0	26.0	0.00		383
32S/13E-30F02 M	670927	7.6	932	929	88.0	40.0	49.0	3.0	286.5	153.0	58.0	30.0	0.05	0.2	384
32S/13E-30F02 M	760609	8.0	971	637	98.0	43.0	55.0	2,8	342.6	172.0	48.0	17.6	0.10	0.5	421
32S/13E-30F02 M	960327	7.4	866	829	97.8	41.6	52.0	3.8	304.8	166.0	49.2	48.7	0.16		
32S/13E-30F03 M	650528	8.0	1060	688	109.0	54.0	49.0	4.0	378.0	188.0	73.0	0.0	0.15	0.2	494
32S/13E-30F03 M	660119	7.8	1047	642	109.0	40.0	49.0	4.0	320.7	182.0	0.69	1.0	0.05	0.3	437
32S/13E-30F03 M	670410	8.2	958	009	87.0	37.0	45.0	3.0	264.6	178.0	48.0	1.	00'0		370
32S/13E-30F03 M	670926	9.7	903	613	76.0	47.0	44.0	3.0	282.9	181.0	43.0	0.0	0.03	0.3	383
32S/13E-30F03 M	760609	7.8	943	616	96.0	49.0	41.0	2.6	332.8	190.0	43.0	0.4	0.05	0.5	441
32S/13E-30F03 M	960327	9.7	1004	989	109.0	48.0	40.0	3,4	379.2	197.0	40.9	<0.2	0.13		
32S/13E-30H01 M	580929	6.2	636	425	34.0	22.0	63.0	1.0	21.9	93.0	58.0	145.0	0.14	0.1	176
32S/13E-30H01 M	590218	6.1	287	448	31.0	18.0	62.0	1.0	18.3	94.0	53.0	133.0	0.02	0.1	152
32S/13E-30H01 M	590922	7.0	714	460	34.0	21.0	62.0	2.0	12.2	79.0	65.0	163.0	0.32	0.0	172
32S/13E-30H01 M	600920	9.9	725		35.0	22.0	62.0	1.0	15.8	97.0	58.0	155.0	0.00	0.1	178

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3: Bicarbonate, SO4: Sulfate, CI: Chloride, NO3: Nitrate, B: Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

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	Date	Ξ		D 00 00 C	<u></u>	Mg Mg	g Z	<u> </u>	ာ သည	S O o	<u>.</u>	ာ် သ	n		lotal Hard-
State Well No.	yr/mo/da	lab	lab	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ness, mg/L
32S/13E-30H01 M	610302	6.5	069		37.0	25.0	56.0	1.0	19.5	92.0	61.0	150.0	0.28	0.0	196
32S/13E-30H02 M	580929	7.4	069	460	56.0	30.0	43.0	2.0	97.5	80.0	65.0	124.0	0.18	0.2	263
32S/13E-30H02 M	590218	7.4	669	515	62.0	29.0	45.0	2.0	101.2	89.0	69.0	124.0	0.03	0.1	274
32S/13E-30H02 M	590922	7.3	652	440	47.0	25.0	40.0	2.0	85.3	55.0	64.0	107.0	0.46	0.2	221
32S/13E-30H02 M	610302	7.3	700		51.0	26.0	42.0	2.0	96.3	65.0	65.0	115.0	0.10	0.1	234
32S/13E-30H02 M	611109	7.4	664	448	50.0	24.0	41.0	2.0	113.4	50.0	71.0	94.0	90.0	0.2	224
32S/13E-30H02 M	621010	7.5	630	474	53.0	23.0	47.0	2.0	95.1	62.0	73.0	100.0	0.08	0.2	227
32S/13E-30H02 M	630926	7.2	734	200	57.0	21.0	54.0	2.0	102.4	73.0	68.0	118.0	0.05	0.3	229
32S/13E-30H02 M	640617	9.7	770	536	59.0	28.0	58.0	3.0	109.7	87.0	73.0	133.0	0.05	0.1	262
32S/13E-30H02 M	641013	7.9	069	610	53.0	27.0	58.0	3.0	93.9	80.0	71.0	127.0	90.0	0.1	243
32S/13E-30H02 M	651007	7.8	778	463	52.0	26.0	52.0	2.0	9.98	81.0	76.0	122.0	0.03	0.3	237
32S/13E-30H02 M	691007	7.7	864	662	0.09	29.0	0.09	3.0	81.7	108.0	84.0	123.0	90.0	0.3	269
32S/13E-30H02 M	701020	8.0	864	551	59.0	28.0	64.0	2.0	91.4	109.0	80.0	128.0	0.07	0.3	263
32S/13E-30H02 M	711025	7.2	822	525	55.0	29.0	70.0	2.8	98.8	127.0	70.0	130.0	90.0	0.1	256
32S/13E-30K01 M	650610	7.2	810	594	53.0	24.0	62.0	2.0	78.0	83.0	84.0	125.0	0.07	0.0	231
32S/13E-30K04 M	780623	7.7	1200	872	78.0	29.6	65.8		93.9	246.1	84.5	0.9		0.1	384
32S/13E-30K05 M	650610	7.7	1005	200	85.0	39.0	26.0	3.0	175.6	149.0	80.0	108.0	90.0	0.2	373
32S/13E-30K06 M	600803	9.7	866		87.0	41.0	54.0	1.0	196.3	142.0	100.0	62.0	0.13	0.2	386
32S/13E-30K06 M	621031	8.2	1140	904	49.0	86.0	79.0	4.0	217.0	158.0	184.0	67.0	0.13	0.2	476
32S/13E-30K06 M	671005	8.0	1235	801	98.0	44.0	82.0	3.0	214.6	165.0	143.0	85.0	0.08	0.3	426
32S/13E-30K06 M	780623	7.4	1150	952	76.2	30.0	69.7		104.9	231.6	106.7	6.1		0.0	404
32S/13E-30K10 M	650610	7.4	930	029	68.0	32.0	0.09	3.0	93.9	134.0	83.0	128.0	0.05	0.2	301
32S/13E-30K16 M	650831	7.3	1390	918	103.0	58.0	97.0		307.2	206.0	158.0	28.0		0.1	497
32S/13E-30K16 M	780623	7.5	1100	926	82.0	29.0	8.99		91.4	248.0	92.0	0.9		0.2	388
32S/13E-30K17 M	711029	7.5	984	638	80.0	39.0	62.0	2.8	93.9	159.0	96.0	148.5	0.04	0.2	360
32S/13E-30K19 M	900711	6.7	1000	099	100.0	46.0	74.0	4.0	317.0	200.0	63.0	6.7		0.3	450
32S/13E-30K19 M	930609	7.3	1130	969	81.9	68.0	69.3	3.5	385.0	220.1	62.9	<1.0		9.0	484
32S/13E-30K19 M	951107	9.7	1110	899	118.5	49.6	55.0	3.3	374.8	200.0	55.1	2.4		0.2	200
32S/13E-30K19 M	981103	7.3	1240	730	138.0	41.0	55.1	4.1	354.0	250.0	63.6	2.8		0.3	514
32S/13E-30L01 M	611109	8.0	925	605	98.0	46.0	41.0	1.0	336.5	138.0	53.0	27.0	0.04	0.2	434
32S/13E-30L01 M	621016	7.2	920	604	102.0	45.0	47.0	2.0	345.0	137.0	0.69	13.0	0.07	0.2	440
32S/13E-30L01 M	630926	7.4	991	730	94.0	51.0	50.0	3.0	326.7	132.0	85.0	25.0	90.0	0.3	444
32S/13E-30L01 M	641013	8.2	1080	814	0.96	54.0	52.0	2.0	308.5	144.0	111.0	22.0	0.11	0.1	462
32S/13E-30L02 M	540929	7.5	761		92.0	41.0	40.0	3.0	353.6	124.0	43.0	20.0	0.20	0.1	398
32S/13E-30L02 M	570829	7.8	901	637	76.0	40.0	41.0	2.0	317.0	115.0	51.0	4.7	0.30	0.1	354

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3; Bicarbonate, SO 2; Sulfate, Cl: Chloride, NO 3; Nitrate, B. Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	ct-cd	7	٢	TDS@180°CT	. اد	· FW	2	.			2	2	Ω	i.	Total Hard
State Well No	vr/mo/da	<u> </u>)	Z /2	5 7	 	1 / 0	5 7	2 /2	5 2		_	_	ness mu/l
Orace Well No.) your or or	9	and the same of th	1	1	1	1	1	1811		5	1	4	-	[]
32S/13E-30L02 M	580206	7.2	855	290	70.0	47.0	39.0	2.0	310.9	95.0	52.0	22.0	0.10	0.0	368
32S/13E-30L02 M	590218	7.4	741	529	72.0	35.0	45.0	2.0	217.0	103.0	59.0	67.0	0.03	0.1	324
32S/13E-30L02 M	590922	7.1	865	645	85.0	43.0	40.0	1.0	314.6	115.0	57.0	28.0	0.18	0.1	389
32S/13E-30L02 M	600224	7.3	920	290	90.0	44.0	48.0	2.0	290.2	125.0	85.0	35.0	0.12	0.3	406
32S/13E-30L02 M	600920	7.3	945		92.0	45.0	42.0	2.0	349.9	134.0	50.0	22.0	0.15	0.0	415
32S/13E-30L02 M	610302	7.1	1530		139.0	72.0	0.09	3.0	280.4	160.0	255.0	16.0	0.10	0.0	644
32S/13E-30L02 M	640617	7.5	1057	658	102.0	48.0	52.0	2.0	304.8	140.0	97.0	26.0	0.30	9.4	452
32S/13E-30L02 M	651007	8.0	1156	725	113.0	53.0	46.0	3.0	297.5	151.0	130.0	24.0	0.04	0.3	200
32S/13E-30L02 M	671005	7.8	1246	842	116.0	54.0	56.0	3.0	291.4	145.0	163.0	29.0	90.0	0.3	512
32S/13E-30L02 M	701020	8.1	1512	986	136.0	68.0	88.0	3.0	290.2	206.0	213.0	45.0	0.07	0.4	619
32S/13E-30L02 M	741108	8.3	1206	758	106.0	51.0	56.0	2.3	230.4	157.0	129.0	80.0	0.54	0.5	473
32S/13E-30N01 M	670413	8.7	1150	969	41.0	48.0	94.0	37.0	112.2	278.0	132.0	1.7	0.00		300
32S/13E-30N01 M	670927	8.3	864	531	30.0	38.0	0.79	33.0	137.8	153.0	100.0	1.5	0.12	0.5	232
32S/13E-30N02 M	660121	7.5	1376	1069	148.0	63.0	71.0	5.0	231.7	483.0	54.0	0.0	0.12	0.5	629
32S/13E-30N02 M	670413	8.2	1370	1050	137.0	64.0	71.0	4.0	219.5	486.0	50.0	4.	0.10		605
32S/13E-30N02 M	670927	7.6	1353	1048	147.0	63.0	68.0	5.0	241.4	484.0	48.0	0.0	0.11	0.5	627
32S/13E-30N02 M	721011	7.7	1295	882	126.0	62.0	64.0	3.6	335.3	218.0	116.0	48.0	0.08	0.3	568
32S/13E-30N02 M	760607	7.9	1366	1093	150.0	0.09	62.0	4.7	247.5	484.0	48.0	0.0	0.13	0.7	624
32S/13E-30N02 M	960327	8.1	1394	1050	145.0	60.4	71.0	5.5	242.6	516.0	49.5	6.0	0.23		
32S/13E-30N03 M	650611	8.1	1145	804	97.0	75.0	57.0	3.0	423.1	231.0	73.0	0.0	0.08	0.1	551
32S/13E-30N03 M	660122	7.5	1226	804	132.0	59.0	54.0	3.0	409.7	250.0	57.0	1.0	0.08	0.5	572
32S/13E-30N03 M	670413	8.1	1220	778	121.0	43.0	26.0	3.0	318.2	238.0	62.0	9.0	0.00		479
32S/13E-30N03 M	670927	7.9	933	661	65.0	55.0	51.0	3.0	234.1	246.0	41.0	0.0	0.05	0.3	388
32S/13E-30N03 M	721011	7.8	1310	1038	145.0	62.0	74.0	4.0	242.6	493.0	47.0	0.8	0.15	0.4	617
32S/13E-30N03 M	760607	8.0	1065	202	99.0	43.0	54.0	2.9	189.0	168.0	90.0	112.5	0.08	0.5	424
32S/13E-30N03 M	960327	7.7	096	624	78.4	34.9	62.0	4.0	150.0	161.0	70.2	106.3	0.13		
32S/13E-30P01 M	501112	7.8	962	512	0.96	26.0	37.0	1.0	330.4	105.0	32.0	15.0	0.02		347
32S/13E-30P01 M	610303	7.5	910		94.0	43.0	38.0	2.0	324.3	110.0	76.0	20.0	0.04	0.1	412
32S/13E-30P01 M	620823	7.7	950	694	104.0	49.0	40.0	2.0	320.7	119.0	106.0	13.0	90.0	0.2	461
32S/13E-30P01 M	621030	7.5	096	682	100.0	47.0	42.0	3.0	319.4	120.0	99.0	15.0	0.14	0.2	443
32S/13E-30P01 M	660120	7.4	1099	653	106.0	48.0	43.0	2.0	306.0	134.0	105.0	27.0	0.04	0.4	462
32S/13E-30P01 M	671004	7.4	1099	736	104.0	48.0	49.0	3.0	293.8	147.0	108.0	35.0	0.04	0.4	457
32S/13E-30P03 M	610928	7.9	780	603	94.0	45.0	30.0	2.0	280.4	139.0	51.0	49.0	0.08	0.3	420
32S/13E-30P03 M	671006	7.0	1143	765	88.0	50.0	67.0	2.0	153.6	209.0	102.0	115.0	0.05	0.3	425
32S/13E-30Q02 M	650610	7.5	1082	793	89.0	43.0	62.0	3.0	168.3	185.0	91.0	104.0	0.05	0.2	399

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K. Potassium, HCO 3: Bicarbonate, SO2: Sulfate, CI: Chloride, NO3: Nitrate, B: Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	Date	H	EC	TDS@180°C	S	Ma	Na Ba	7	, O H	SO ₂	ਹ	Š	В	E	Total Hard-
State Well No.	yr/mo/da	lap		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		mg/L	ness, mg/L
32S/13E-30004 M	650610	7.4	1018	733	81.0	39.0	65.0	2.0	136.6	156.0	94.0		0.05	0.2	363
	581006	7.4	748	470	65.0	30.0	54.0	3.0	158.5	99.0	74.0	78.0	0.00	0.3	286
32S/13E-30R01 M	590218	7.3	980	489	65.0	29.0	44.0	3.0	186.5	0.96	57.0		0.15	0.2	281
32S/13E-30R01 M	590922	7.5	847	585	63.0	30.0	61.0	3.0	124.4	106.0	78.0		0.42	0.0	281
32S/13E-30R01 M	600224	7.3	892	260	87.0	32.0	46.0	2.0	158.5	122.0	82.0		0.03	0.3	349
32S/13E-30R01 M	600920	7.7	1005		99.0	41.0	38.0	2.0	226.8	150.0	79.0		0.03	0.1	416
32S/13E-30R01 M	610302	7.4	006		82.0	41.0	39.0	2.0	154.8	139.0	85.0		0.38	0.2	373
32S/13E-30R01 M	611109	7.2	980	629	90.0	41.0	48.0	3.0	212.1	150.0	73.0		0.07	0.3	393
32S/13E-30R01 M	620823	7.0	740	618	56.0	23.0	56.0	3.0	80.5	103.0	72.0		0.05	0.4	234
32S/13E-30R01 M	621010	7.4	700	488	26.0	21.0	55.0	2.0	81.7	101.0	71.0		0.05	0.2	226
32S/13E-30R01 M	630926	7.2	791	565	57.0	27.0	62.0	3.0	75.6	114.0	68.0		0.05	0.3	253
32S/13E-30R01 M	640617	7.2	806	533	58.0	26.0	61.0	3.0	7.07	117.0	70.0		0.28	0.3	252
32S/13E-30R01 M	651007	7.8	781	474	51.0	25.0	59.0	3.0	73.2	123.0	68.0		0.02	0.3	230
32S/13E-30R01 M	691007	7.9	828	554	59.0	27.0	63.0	3.0	81.7	136.0	73.0		0.00	0.3	258
32S/13E-30R01 M	711025	7.2	863	572	65.0	32.0	62.0	2.4	84.1	140.0	76.0		0.04	0.2	294
32S/13E-30R02 M	610302	7.1	780		57.0	25.0	63.0	2.0	58.5	106.0	67.0		0.04	0.0	245
32S/13E-30R02 M	640617	7.1	896	629	0.69	30.0	61.0	2.0	87.8	122.0	76.0		0.40	0.2	296
32S/13E-30R02 M	701014	7.4	896	613	64.0	29.0	0.69	3.0	65.8	145.0	77.0		0.02	0.2	279
32S/13E-30R02 M	871105	7.8	694	532	53.0	28.0	48.0	1.6	75.6	137.0	55.0		0.00	0.2	247
32S/13E-30R11 M	640617	7.8	710	580	55.0	21.0	63.0	2.0	69.5	121.0	61.0		0.10	0.1	224
32S/13E-31B01 M	530603	7.3	1114		107.0	37.0	73.0	4.0	258.5	183.0	91.0		0.10	0.0	419
32S/13E-31B01 M	610303	7.1	1180		·	55.0	67.0	3.0	249.9	210.0	99.0		0.15	0.0	493
32S/13E-31B03 M	621030	8.4	1440	942		67.0	118.0	3.0	387.7	286.0	145.0		0.16	0.2	290
32S/13E-31B04 M	650604	7.4	1214	786		51.0	82.0	2.0	219.5	181.0	103.0		0.07	0.3	437
32S/13E-31B05 M	650605	7.4	1140	200		45.0	80.0	2.0	178.0	159.0	103.0		0.08	0.3	390
32S/13E-31B06 M	650605	9.7	1185	784		51.0	76.0	2.0	208.5	178.0	101.0		0.07	0.3	432
32S/13E-31B07 M	650605	7.4	1081	969		55.0	70.0	1.0	162.2	199.0	93.0		0.02	0.3	391
32S/13E-31B09 M	650727	8.4	1162	817		50.0	76.0	3.0	229.2	184.0	99.0		0.10	0.3	445
32S/13E-31B10 M	650605	7.5	1193	819		47.0	78.0	3.0	214.6	178.0	100.0		90.0	0.3	436
32S/13E-31B12 M	650605	8.0	206	260		42.0	36.0	2.0	262.1	138.0	49.0		0.02	0.4	397
32S/13E-31B13 M	650727	8.2	1140	790	•	52.0	60.0	3.0	253.6	183.0	96.0		0.08	0.3	476
32S/13E-31C01 M	621030	7.9	1950	1468		62.0	325.0	41.0	479.2	36.0	523.0	0.0	0.35	0.2	420
32S/13E-31C01 M	650414	7.5	4255	2509		98.0	670.0	40.0	520.6	336.0	960.0	1.0	0.45	0.9	809
32S/13E-31C01 M	660122	7.8	4543	2592	•	108.0	708.0	45.0	551.1	355.0	1008.0	3.7	0.55	0.8	694
32S/13E-31C01 M	671004	7.9	4780	2871	•	115.0	752.0	47.0	516.9	410.0	1101.0	3.0	0.55	0.7	723

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3; Bicarbonate, SO2; Sulfate, CI: Chloride, NO3; Nitrate, B: Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	Date	Ξ	CH	TDS@180°C	r.	Mg	Na EN	~	HCO.	SO,	ਹ	őN	В	Ē	Total Hard-
CHIIOM OF CHO	0000	7 4) "	1 /	n /c	1/50	1/00	? / Da	1/06	1/000	_			l/om ssau
State Well No.	yr/mo/ua	GE CE	g G	1/2	1/6	11911	1901	197	III J	1	1	1	4	-1	1800
32S/13E-31F01 M	610928	8.2	1175	929	76.0	67.0	47.0	3.0	323.1	227.0	50.0	3.7	0.10	0.3	465
32S/13E-31F01 M	621102	7.5	1190	808	134.0	64.0	47.0	3.0	482.8	232.0	41.0	0.0	0.10	0.2	598
32S/13E-31F01 M	630708	8.1	1050	741	92.0	0.79	46.0	3.0	378.0	220.0	43.0	1.2	0.08	0.3	505
32S/13E-31F01 M	650727	8.1	1163	820	131.0	64.0	46.0	3.0	453.5	242.0	42.0	0.0	0.05	0.4	290
32S/13E-31F01 M	660718	8.0	1082	929	93.0	0.99	47.0	3.0	346.3	242.0	47.0	1.0	0.03	0.4	504
32S/13E-31F01 M	671003	7.6	1187	822	129.0	0.09	48.0	3.0	443.8	242.0	41.0	9.0	0.04	0.4	269
32S/13E-31F02 M	650512	8.1	1370	1006	128.0	73.0	67.0	4.0	353.6	394.0	52.0	0.0	0.11	0.1	620
32S/13E-31F02 M	660121	8.1	1298	952	138.0	62.0	62.0	4.0	337.7	364.0	48.0	1.0	0.08	0.5	009
32S/13E-31F02 M	670413	8.2	1330	958	136.0	63.0	62.0	3.0	347.5	372.0	46.0	1.5	0.40		599
32S/13E-31F02 M	670928	7.8	1283	949	136.0	0.99	0.09	4.0	353.6	374.0	44.0	0.5	0.07	0.4	611
32S/13E-31F02 M	721011	7.7	1371	1089	157.0	64.0	74.0	4.1	230.4	534.0	47.0	1.2	0.15	0.4	655
32S/13E-31F02 M	760526	7.9	1394	1069	160.0	63.0	73.0	3.9	236.5	523.0	50.0	1.4	0.16	0.7	658
32S/13E-31F03 M	650514	8.0	1370	1160	133.0	78.0	82.0	4.0	234.1	545.0	57.0	0.0	0.12	0.1	653
32S/13E-31F03 M	660121	7.4	1436	1055	158.0	63.0	72.0	4.0	225.6	521.0	50.0	1.0	0.13	0.4	654
32S/13E-31F03 M	670413	7.9	1430	1060	102.0	92.0	73.0	4.0	230.4	481.0	48.0	1.5	0.10		634
32S/13E-31F03 M	670928	7.5	1386	1089	157.0	62.0	72.0	4.0	241.4	514.0	48.0	1.0	0.12	0.4	647
32S/13E-31F03 M	721011	7.8	1286	980	147.0	65.0	59.0	3.6	331.6	430.0	36.0	0.7	0.12	0.3	634
32S/13E-31F03 M	760526	7.9	1384	1087	161.0	62.0	74.0	4.0	239.0	535.0	51.0	1.6	0.20	0.7	657
32S/13E-31F03 M	760608	8.2	1268	1105	154.0	61.0	72.0	4.3	230.4	524.0	46.0	0.0	0.10	0.7	637
32S/13E-31H01 M	610926	7.7	1500		166.0	88.0	55.0	1.0	398.7	404.0	74.0	50.0	0.10	0.4	777
32S/13E-31H01 M	640707	8.4	1640	1206	108.0	114.0	80.0	3.0	454.8	334.0	128.0	0.0	0.17	0.1	739
32S/13E-31H01 M	650727	8.5	1686	1375	198.0	99.0	62.0	2.0	417.0	460.0	93.0	85.0	0.02	9.0	902
32S/13E-31H02 M	650727	8.0	1466	1135	131.0	91.0	0.09	1.0	258.5	402.0	82.0	99.0	90.0	0.4	702
32S/13E-31H03 M	621030	8.2	1280	1074	133.0	85.0	53.0	1.0	445.0	281.0	85.0	31.0	0.13	0.2	682
32S/13E-31H03 M	651007	7.7	1403	995	148.0	74.0	61.0	1.0	408.4	291.0	89.0	48.0	0.12	9.0	675
32S/13E-31H03 M	660718	8.2	1570	1036	166.0	88.0	65.0	1.0	425.5	343.0	99.0	70.0	60.0	9.0	777
32S/13E-31H03 M	691007	7.9	1422	1119	132.0	85.0	62.0	1.0	356.0	315.0	105.0	75.0	0.10	0.4	629
32S/13E-31H03 M	701020	7.8	1598	1179	170.0	87.0	0.69	1.0	436.5	338.0	111.0	84.0	0.01	0.5	783
32S/13E-31H03 M	711028	8.0	1563	1100	173.0	83.0	74.0	1.3	487.7	310.0	98.0	87.6	0.08	0.3	773
32S/13E-31H04 M	610926	8.2	2180	1210	128.0	74.0	159.0	1.0	319.4	276.0	259.0	89.0	0.10	0.4	624
32S/13E-31H04 M	621030	7.3	1800	1338	126.0	75.0	190.0	1.0	360.9	307.0	268.0	42.0	0.15	0.2	623
32S/13E-31H07 M	660718	8.5	1788	1249	194.0	82.0	92.0	4.0	442.6	368.0	146.0	91.0	90.0	9.0	822
32S/13E-31H07 M	671005	7.8	2097	1562	216.0	95.0	116.0	5.0	495.0	421.0	172.0	142.5	90.0	9.0	930
32S/13E-31H07 M	701020	7.5	2013	1485	183.0	115.0	118.0	4.0	547.4	431.0	106.0	162.0	0.15	9.0	930
32S/13E-31H08 M	840707	7.4	860	635	103.0	54.3	42.0		507.2	129.0	25.8				480

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3; Bicarbonate, SO4; Sulfate, Cl: Chloride, NO3; Nitrate, B: Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	Date	H	EC	TDS@180°C	Sa	Mg	Na	×	HCO3	SO ₄	ō	NO ₃	В	<u>-</u>	Total Hard-
State Well No.	yr/mo/da	ap	lab	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	\neg	mg/L r	mg/L	ness, mg/L
32S/13E-31H08 M	820808	7.4	1025	661	119.0	54.0	41.0	3.0	482.8	143.0	32.0			0.3	518
32S/13E-31H08 M	881128	7.3	900	290	110.0	50.0	34.0	5.0	365.8	170.0	38.0	<0.4		0.3	440
32S/13E-31H08 M	920714	7.4	1110	277	134.6	39.6	38.7	2.3	468.5	140.8	28.5	<1.0		0.3	499
32S/13E-31H08 M	950718	7.7	1180	648	123.3	55.4	33.9	2.2	483.1	163.6	31.7	<1.0		0.2	260
32S/13E-31H08 M	951128	9.7	1200	647	116.1	8.09	37.4	2.2	463.6	167.6	35.0	<1.0		0.2	540
32S/13E-31H08 M	951128	7.6	1200	647	116.1	8.09	37.4	2.2	463.6	167.6	35.0	1.0		0.2	540
32S/13E-31H09 M	840712	7.8	1043	700	104.0	48.2	69.5		502.3	136.0	31.6				457
32S/13E-31H09 M	820808	7.3	1036	663	122.0	53.0	50.0	3.0	475.5	158.0	38.0			0.3	522
32S/13E-31H09 M	881128	7.1	1500	099	122.0	55.0	47.0	3.0	451.1	180.0	39.0	<0.4		<0.1	510
32S/13E-31H09 M	920714	7.2	1070	009	129.8	45.7	47.8	2.4	482.1	144.8	31.9	<1.0		0.2	512
32S/13E-31H09 M	950718	7.5	1160	652	120.1	54.1	43.7	2.3	458.7	171.3	35.0	<1.0		0.1	554
32S/13E-31H09 M	951128	7.6	1190	657	120.1	53.5	49.1	2.4	458.7	167.0	39.4	<1.0		0.2	520
32S/13E-31H09 M	981208	7.2	1100	650	130.0	46.5	39.3	2.0	455.0	169.0	39.4	2.0		0.2	516
32S/13E-31J01 M	640707	7.9	1170	808	51.0	102.0	50.0	1.0	397.5	229.0	52.0	12.0	0.05	0.1	547
32S/13E-31J02 M	610926	7.6	1750	1419	200.0	122.0	59.0	2.0	464.5	534.0	99.0	65.0	0.07	0.4	1001
32S/13E-31J02 M	620713	8.8	1380	1042	174.0	75.0	51.0	2.0	474.3	331.0	68.0	27.0	0.05	0.1	743
32S/13E-31J02 M	621030	8.2	1280	1108	137.0	91.0	50.0	2.0	465.7	327.0	62.0	29.0	0.13	0.2	717
32S/13E-31J02 M	630708	7.7	1110	816	127.0	57.0	43.0	1.0	393.8	242.0	50.0	11.0	0.01	0.4	552
32S/13E-31J02 M	650727	8.3	1359	1070	156.0	75.0	51.0	2.0	432.8	301.0	59.0	58.0	0.04	0.5	869
32S/13E-31J03 M	660718	7.9	2166	1595	222.0	135.0	82.0	2.0	397.5	644.0	131.0	126.0	80.0	9.0	1110
32S/13E-31K01 M	610926	8.1	2340	1447	186.0	132.0	89.0	9.0	635.2	494.0	124.0	9.3	0.10	0.4	1008
32S/13E-32A01 M	540611	7.4	898		77.0	38.0	39.0	1.0	242.6	117.0	53.0	63.0	0.00	0.2	349
32S/13E-32A01 M	570829	7.7	220	372	40.0	22.0	31.0	1.0	125.6	59.0	43.0	43.0	0.65	0.1	191
32S/13E-32A01 M	580206	7.5	351	240	10.0	21.0	22.0	1.0	69.5	21.0	35.0	33.0	0.00	0.7	112
32S/13E-32A01 M	590218	7.3	649	513	54.0	24.0	42.0	2.0	95.1	53.0	35.0	167.0	0.04	0.1	233
32S/13E-32A01 M	590922	7.7	654	451	50.0	22.0	44.0	2.0	102.4	124.0	51.0	20.0	0.29	0.1	216
32S/13E-32A01 M	600226	7.2	743	480	58.0	27.0	48.0	1.0	70.7	155.0	51.0	88.0	0.00	0.3	256
32S/13E-32A01 M	600920	7.0	842		0.69	34.0	44.0	2.0	134.0	176.0	55.0	48.0	0.05	0.0	312
32S/13E-32A01 M	610302	6.8	750		64.0	34.0	42.0	2.0	69.5	170.0	56.0	92.0	0.15	0.0	300
32S/13E-32A01 M	611117	7.1	830	929	80.0	34.0	39.0	2.0	113.4	151.0	57.0	124.0	0.01	0.2	340
32S/13E-32A01 M	620823	6.7	825	551	0.69	36.0	45.0	2.0	62.2			150.0	90.0	0.1	320
32S/13E-32A01 M	621016	6.7	840	260	72.0	36.0	46.0	1.0	48.8	158.0	57.0	172.0	0.07	0.2	328
32S/13E-32A01 M	630926	7.5	832	290	71.0	34.0	46.0	2.0	39.0	180.0	26.0	138.0	0.05	0.3	317
32S/13E-32A01 M	640604	7.1	822	260	70.0	38.0	46.0	2.0	39.0	185.0	56.0	144.0	0.04	0.3	331
32S/13E-32A01 M	651007	7.6	935	630	77.0	38.0	50.0	2.0	52.4	194.0	76.0	128.0	0.10	0.2	349

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3: Bicarbonate, SO2: Sulfate, Cl: Chloride, NO3: Nitrate, B: Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	Date	Ha	EC	TDS@180°C	S	Ma	Na	×	HCO,	SO,	ō	ő	<u>m</u>	i.	Total Hard-
State Well No.	vr/mo/da	<u> </u>) /bm	ma/l		ma/l	 /om	ma/l		l/ou				ness ma/l
					b				9			1		b	
32S/13E-32C02 M	640617	7.9	555	290	33.0	30.0	36.0	2.0	208.5	57.0	40.0	0.5	0.21	0.2	206
32S/13E-32D01 M	650728	7.9	882	528	83.0	38.0	39.0	2.0	198.7	131.0	59.0	89.0	0.04	0.3	364
32S/13E-32D02 M	540919	9.7	813		87.0	38.0	28.0	2.0	314.6	111.0	39.0	23.6	0.00	0.2	374
32S/13E-32D02 M	290909	7.2	815		91.0	41.0	33.0	2.0	275.5	94.0	59.0	87.0	0.00	0.5	396
32S/13E-32D02 M	640425	7.2	752	527	81.0	39.0	34.0	2.0	229.2	124.0	53.0	55.0	0.11	0.3	363
32S/13E-32D02 M	660201	7.3	806	576	87.0	39.0	39.0	3.0	236.5	132.0	54.0	73.0	60.0	0.1	378
32S/13E-32D02 M	740430	7.7	895	684	103.4	51.9	38.9		378.0	167.0	42.8	15.0		0.4	471
32S/13E-32D02 M	741205	7.9	895	627	87.0	45.9	38.5		269.4	157.2	64.0	51.0		0.5	406
32S/13E-32D02 M	750603	9.7	736	730	92.8	55.6	39.6		378.0	169.9	45.5	4.8		0.3	629
32S/13E-32D02 M	760602	7.5	722	654	98.3	45.7	40.0		252.4	165.8	53.2	107.0		0.5	434
32S/13E-32D02 M	771122		1300	910	82.8	43.6	32.5		247.5	139.9	50.2	54.5		0.2	393
32S/13E-32D02 M	790823	8.3	755	604	52.6	64.0	30.0		270.7	147.0	44.7				394
32S/13E-32D02 M	800402	7.5	830	616	52.9	64.9	45.0		252.4	164.0	2.99				399
32S/13E-32D02 M	801008	8.1	783	564	86.0	39.0	33.0		265.8	119.0	44.5				376
32S/13E-32D02 M	810407	7.7	1033	625	82.5	37.0	50.0		324.3	143.0	49.5				357
32S/13E-32D03 M	290909	7.3	855		98.0	43.0	33.0	2.0	321.9	106.0	45.0	71.0	0.00	0.5	422
32S/13E-32D03 M	601110	7.1	863		104.0	36.0	34.0	2.0	319.4	120.0	41.0	41.0	0.11	0.2	408
32S/13E-32D03 M	620323	7.2	923		100.0	36.0	40.0	3.0	289.0	129.0	43.0	54.0	0.15	0.1	398
32S/13E-32D03 M	650728	8.1	998	561	83.0	38.0	35.0	2.0	197.5	130.0	53.0	89.0	90.0	0.3	364
	660215	7.3	892	574	89.0	41.0	36.0	2.0	267.0	133.0	43.0	65.0	60.0	0.1	391
32S/13E-32D03 M	711029	7.9	840	561	86.0	39.0	40.0	2.1	242.6	150.0	51.0	48.0	0.03	0.3	375
32S/13E-32D03 M	740430	7.3	855	630	97.0	51.3	42.0		312.1	178.7	50.1	19.9		0.4	453
32S/13E-32D03 M	751201	8.2	752	629	89.7	46.5	58.0		292.6	170.4	32.4	51.4		0.3	415
32S/13E-32D03 M	760602	7.3	969	719	90.4	46.2	46.5		235.3	181.1	59.0	106.0		0.4	416
32S/13E-32D03 M	790823	8.1	833	665	64.0	9.09	40.0		257.3	161.0	63.0				409
32S/13E-32D03 M	800402	7.9	882	620	95.4	21.8	52.0		265.8	156.0	43.0				328
32S/13E-32D03 M	801008	7.9	884	629	85.0	45.0	46.0		256.0	148.0	57.0				396
32S/13E-32D03 M	810407	7.7	993	662	85.0	35.0	64.0		296.3	163.0	59.0				356
32S/13E-32D03 M	811014	8.3	887	626	34.1	71.0	51.0		308.5	164.0	49.0				396
32S/13E-32D03 M	820415	7.4	985	675	96.2	42.1	52.5		329.2	183.0	57.9				413
32S/13E-32D03 M	821018	7.7	953	636	92.9	36.7	52.0		280.4	164.6	56.2				383
32S/13E-32D03 M	830411	8.6	745	649	8.06	45.2	45.0		306.0	179.0	52.7				412
32S/13E-32D03 M	831003	8.6	992	674	19.0	83.2	48.5		304.8	180.0	43.0				389
	840214	8.5	1088	656	46.8	78.8	46.0		335.3	181.0	42.9				441
32S/13E-32D03 M	881128	7.0	800	540	90.0	40.0	45.0	2.0	270.0	170.0	45.0	89.0		0.2	200

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3: Bicarbonate, SO2, Sulfate, CI: Chloride, NO3: Nitrate, B: Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	Date	구	L L	TDS@180°C	5	Mg	g Z	7		Ç	5		u	<u>.</u>	Total Hard.
	Carc	- 5			2	D)	<u> </u>	<u>-</u>) }	5	_	_	_	- and
State Well No.	yr/mo/da	ар	lab	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L r	mg/L n	mg/L	ness, mg/L
32S/13E-32D03 M	920714	7.3	840	483	75.3	36.5	44.1	2.2	226.9	133.5	38.2	0.09		0.2	338
32S/13E-32D03 M	950718	7.4	950	586	104.0	45.0	39.8	2.2	292.8	183.0	38.2	29.1		0.1	460
32S/13E-32D03 M	951128	9.7	940	594	96.1	46.2	45.2	2.2	283.0	184.8	45.8	33.4		0.2	430
32S/13E-32D03 M	981208	7.2	1100	683	137.0	43.9	39.3	2.4	338.0	219.0	47.7	27.0		0.4	523
32S/13E-32D04 M	591231	7.7	823	526	86.0	38.0	30.0	2.0	280.4	112.0	44.0		0.03	0.4	371
32S/13E-32D09 M	611003	7.3	1026	684	113.0	53.0	27.0	1.8	435.3	152.0	35.0		0.07	0.3	202
32S/13E-32D09 M	741108	8.5	844	535	0.09	52.0	32.0	2.0	214.6	205.0	40.0	0.8	0.02	0.4	367
32S/13E-32D10 M	290909	7.2	096		107.0	52.0	33.0	2.0	406.0	140.0	42.0		0.00	0.5	483
32S/13E-32D10 M	601110	6.9	1030		121.0	49.0	35.0	2.2	436.5	169.0	33.0		0.05	0.2	504
32S/13E-32D10 M	620323	7.0	1052	644	120.0	43.0	40.0	3.2	421.8	171.0	33.0		0.31	0.2	483
32S/13E-32D10 M	620815	7.1	959	609	101.0	49.0	38.0	2.5	347.5	158.0	42.0		0.10	0.3	454
32S/13E-32D10 M	640425		863	572	94.0	44.0	34.0	2.1	302.4	143.0	44.0		0.28	0.3	417
32S/13E-32D10 M	640813	8.0	006	640	89.0	56.0	43.0	2.0	347.5	154.0	45.0		0.10	0.1	450
32S/13E-32D10 M	660204	7.7	915	587	91.0	40.0	39.0	3.0	253.6	137.0	51.0		0.12	0.1	392
32S/13E-32D10 M	740430	7.4	940	685	101.8	8.09	39.3		388.9	168.3	44.4	12.0		0.4	504
32S/13E-32D10 M	741205	7.8	867	661	93.0	0.09	38.3		380.4	172.8	60.4	13.1		9.0	479
32S/13E-32D10 M	751201	8.1	722	631	83.8	51.8	64.0		378.0	173.2	47.3	25.0		0.4	422
32S/13E-32D10 M	760602	7.5	727	545	138.7	30.0	43.0		315.8	167.1	49.2	42.1		0.2	470
32S/13E-32D10 M	770517	7.7	803	289	99.5	61.2	38.5		361.0	170.0	55.0	27.0		0.4	200
32S/13E-32D10 M	771211		1195	654	105.0	52.3	34.3		340.2	152.0	53.0	43.3		0.4	478
32S/13E-32D10 M	800401	7.4	910	662	42.0	82.9	40.0		343.8	167.0	43.0				328
32S/13E-32D10 M	811014	8.3	296	662	29.9	85.5	49.0		333.0	172.0	0.09				426
32S/13E-32D10 M	820414	7.4	1018	269	108.0	47.9	51.0		392.6	145.0	57.0				467
32S/13E-32D10 M	831003	8.4	1007	702	24.7	88.3	41.5		346.3	167.0	38.0				425
32S/13E-32D10 M	840214	8.2	1115	699	31.4	94.7	40.5		407.2	179.0	35.9				468
32S/13E-32D10 M	890320	6.5	870	570	84.0	38.0	40.0	<3.0	230.0	160.0	43.0	0.99		0.2	390
32S/13E-32D10 M	920714	7.3	830	484	74.8	37.2	45.7	2.2	234.2	132.2	38.0	6.73		0.2	340
32S/13E-32D10 M	950718	7.5	920	220	100.0	44.1	37.6	2.0	298.2	173.8	35.8	29.8		0.1	432
32S/13E-32D10 M	951205	9.7	1050	617	104.1	53.1	39.0	2.3	331.8	185.3	41.7	25.6		1.1	478
32S/13E-32D10 M	990105	7.3	1060	641	131.0	39.8	32.8	2.0	342.0	208.0	44.9	13.7		0.3	491
32S/13E-32D11 M	810407	7.3	878	776	113.0	20.0	59.0		503.5	143.0	39.0				486
32S/13E-32D11 M	811014	7.9	938	694	110.0	62.0	49.0		509.6	139.0	39.0				542
	821018	7.7	1072	869	121.0	51.2	48.5		542.6	113.5	37.7				513
32S/13E-32D11 M	840827	7.8	1049	703	97.5	53.5	48.0		518.2	116.0	26.8				463
32S/13E-32D11 M	881128	7.1	1000	630	120.0	58.0	38.0	3.0	487.7	150.0	26.0	<0.4		9.0	320

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3; Bicarbonate, SO2; Sulfate, CI: Chloride, NO3; Nitrate, B: Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

		-	٢	TDC@1800CT	3	NA.	2	_		5	ζ	Ç.Z	٥	ű	Total Hard
	Date	Ed :			ğ :) j	<u>v</u>	٠.	 ဦ [0 0 1	5 5				Total Hald-
State Well No.	yr/mo/da	ap P	lab	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ness, mg/L
32S/13E-32D11 M	920714	7.2	1110	595	129.0	48.6	41.0	2.5	541.7	130.3	21.6	<1.0		0.2	522
32S/13E-32D11 M	950718	7.6	1200	619	115.3	58.4	34.9	2.4	487.5	146.7	21.5	<1.0		0.1	540
32S/13E-32D11 M	951128	7.6	1200	661	114.5	9.59	38.7	2.4	507.5	165.3	24.5	<1.0		0.2	556
32S/13E-32D11 M	981208	7.3	830	471	92.1	40.0	24.2	2.0	338.0	120.0	25.6	2.0		0.4	266
32S/13E-32E02 M	640617	7.7	928	618	57.0	31.0	79.0	2.0	58.5	142.0	87.0	150.0	0.26	0.2	270
32S/13E-32E13 M	640219	7.3	940	929	86.0	63.0	35.0	2.0	404.8	178.0	32.0	0.0	60.0	0.1	474
32S/13E-32F15 M	671026	7.5	890	623	61.0	31.0	57.0	2.0	39.0	110.0	104.0	147.5	0.12	0.1	280
32S/13E-32H01 M	570305	8.2	1410		160.0	76.0	53.0	2.0	418.2	311.0	0.69	74.0	0.09	0.3	712
32S/13E-32H01 M	570829	7.7	1469	1032	150.0	75.0	57.0	2.0	393.8	299.0	75.0	82.5	0.50	0.2	684
32S/13E-32H01 M	580929	7.8	1317	975	158.0	73.0	57.0	2.0	364.5	280.0	90.0	126.0	0.14	0.5	695
32S/13E-32H01 M	590218	7.5	1315	1043	165.0	74.0	48.0	2.0	403.6	313.0	0.99	110.0	0.04	0.3	717
32S/13E-32H01 M	590922	7.0	1567	1146	171.0	82.0	59.0	2.0	421.8	346.0	61.0	125.0	0.34	0.4	764
32S/13E-32H01 M	601006	7.4	1355		133.0	63.0	57.0	1.0	347.5	259.0	73.0	67.0	0.05	0.5	591
32S/13E-32H01 M	611109	8.0	729	485	64.0	28.0	45.0	1.0	75.6	147.0	57.0	106.0	0.02	0.2	275
32S/13E-32H01 M	620823	7.3	1060	808	106.0	52.0	49.0	2.0	270.7			92.0	90.0	0.2	479
32S/13E-32H01 M	621015	7.4	1040	682	108.0	47.0	52.0	2.0	264.6	179.0	0.99	104.0	0.11	0.2	463
32S/13E-32H01 M	630926	7.3	1314	950	135.0	0.99	62.0	2.0	312.1	232.0	99.0	112.0	0.08	0.5	609
32S/13E-32H01 M	640604	7.7	1252	860	130.0	0.99	63.0	2.0	307.2	230.0	85.0	136.0	0.08	9.0	296
32S/13E-32H01 M	651007	8.2	828	540	79.0	37.0	43.0	2.0	200.0	166.0	52.0	42.0	0.04	0.5	349
32S/13E-33D M	950419	7.3	1410	1000	161.0	71.0	52.0	2.6	450.0	310.0	68.7	27.4		0.4	694
Arroyo Grande Plain	_														
11N/35W-06C01 S	601103	8.0	1025	758	118.0	39.0	55.0	3.0	217.0	331.0	35.0	4.2	0.12	0.7	455
11N/35W-06C01 S	620822	7.6	850	580	85.0	31.0	26.0	3.0	180.4	232.0	49.0	9.5	0.10	0.4	340
12N/35W-29L01 S	711022	8.0	1789	1317	184.0	101.0	80.0	2.1	406.0	463.0	112.0	94.5	90.0	0.5	874
12N/35W-29M01 S	501112	7.4	1430	886	156.0	72.0	79.0	0.9	496.2	320.0	74.0	0.2	90.0		989
12N/35W-29N01 S	640618	7.2	1727	1474	206.0	91.0	0.99	2.0	423.1	480.0	112.0	0.0	0.00	0.7	889
12N/35W-29N01 S	811015	7.9	2190	1680	264.0	129.0	77.0	3.0	487.7	645.0	137.0	110.0	0.00	9.0	1190
12N/35W-29N01 S	871105	8.5	1830	1630	201.0	132.0	68.0	2.4	388.9	639.0	127.0	36.6	0.10	9.0	1040
12N/35W-29N02 S	610302	7.5	1460		158.0	89.0	0.69	2.0	407.2	389.0	120.0	0.0	0.10	0.3	761
12N/35W-29N02 S	630708	8.0	1860	1554	204.0	135.0	67.0	3.0	412.1	611.0	158.0	0.0	0.01	9.0	1065
12N/35W-29N03 S	620712	7.5	202	428	49.0	27.0	62.0	4.0	200.0	84.0	75.0	4.0	0.10	0.2	234
12N/35W-30K03 S	711022	8.0	2347	1836	272.0	137.0	78.0	2.6	460.9	737.0	134.0	90.0	0.09	0.5	1242
12N/35W-30L02 S	630707	7.7	1280	1398	128.0	162.0	0.79	1.0	574.3	519.0	89.0	18.0	0.12	0.2	986
12N/35W-30M01 S	610926	8.0	1985	1214	165.0	117.0	63.0	3.0	9.609	365.0	106.0	3.1	0.01	0.4	893

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Caldium, Mg. Magnesium, Na: Sodium, K. Potassium, HCO 3; Bicarbonate, SO 2; Sulfate, Cl: Chloride, NO 3; Nitrate, B. Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	Date	H	EC	TDS@180°C	Sa	Mg	Na	~	HCO3	SO ₄	ច	NO3	<u>B</u>	<u></u>	Total Hard-
State Well No.	yr/mo/da	lab	lab	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L r	mg/L	ness, mg/L
12N/35W-30M01 S	620713	7.7	1600	1140	151.0	105.0	61.0	5.0	599.9	355.0	59.0	0.0	0.00	0.1	808
	640619	7.8	1775	1334	89.0	178.0	70.0	3.0	563.3	487.0	109.0	0.0	0.17	0.2	955
12N/35W-30M02 S	741108	8.2	1633	1144	152.0	102.0	57.0	2.0	297.5	491.0	98.0	52.0	0.07	0.8	799
12N/35W-30P02 S	701020	7.8	2128	1705	230.0	153.0	58.0	3.0	503.5	693.0	128.0	38.0	0.07	0.9	1204
12N/35W-31G01 S	761004	7.7	1774	1351	196.0	98.0	76.0	4.3	412.1	552.0	110.0	2.7	0.11	0.8	896
12N/35W-31G01 S	771018	7.7	1821	1346	210.0	96.0	72.0	3.3	442.6	526.0	106.0	2.2	0.11	9.0	919
12N/35W-31H01 S	610302	7.5	1020		91.0	39.0	71.0	4.0	275.5	217.0	81.0	0.0	0.20	0.2	388
12N/35W-31H01 S	620823	7.4	980	718	97.0	35.0	64.0	5.0	253.6	232.0	67.0	0.0	0.12	0.4	386
12N/35W-31H01 S	640619	7.4	980	638	64.0	47.0	72.0	4.0	246.3	198.0	0.69	3.0	0.18	0.2	353
12N/35W-32D01 S	610302	7.6	790		0.79	28.0	68.0	4.0	268.2	0.96	77.0	0.0	0.26	0.1	282
12N/35W-32N01 S	671101	7.2	426	246	0.9	8.0	0.99	2.0	52.4	9.0	87.0	27.0	0.04	0.2	48
32S/13E-32L02 M	501111	7.5	1010	658	116.0	55.0	35.0	2.0	454.8	151.0	33.0	2.9	0.01		516
32S/13E-32L02 M	640707	8.1	1046	724	56.0	91.0	36.0	2.0	414.5	192.0	37.0	0.0	0.05	0.2	514
32S/13E-32L02 M	711026	7.7	1239	792	112.0	55.0	72.0	3.1	258.5	163.0	165.0	67.5	0.05	0.3	206
32S/13E-32L05 M	640707	8.0	880	610	53.0	61.0	40.0	2.0	231.7	121.0	57.0	80.0	0.05	0.2	383
32S/13E-32L08 M	640617	8.0	1007	637	114.0	58.0	33.0	2.0	443.8	148.0	39.0	1.2	0.11	0.3	523
32S/13E-32L14 M	640217	7.8	1120	774	107.0	61.0	76.0	5.0	423.1	216.0	75.0	21.0	60.0	0.2	518
32S/13E-32L18 M	640218	8.0	1500	1144	154.0	86.0	89.0	4.0	486.5	288.0	123.0	85.0	0.14	0.1	738
32S/13E-32M01 M	640707	8.1	1200	844	77.0	98.0	46.0	2.0	446.2	233.0	59.0	22.0	0.08	0.1	262
32S/13E-32M03 M	871105	8.0	927	699	80.0	0.09	44.0	1.9	239.0	253.0	58.0	13.2	0.10	0.5	446
32S/13E-32M04 M	660718	8.3	1207	773	138.0	65.0	43.0	2.0	440.1	231.0	0.09	24.0	0.05	0.4	612
32S/13E-33A03 M	640624	7.9	2000	1614	212.0	137.0	78.0	2.0	597.4	545.0	119.0	81.0	0.12	0.2	1093
32S/13E-33E03 M	640618	8.0	1360	1042	138.0	85.0	54.0	2.0	375.5	300.0	0.09	125.0	0.15	0.2	695
32S/13E-33F01 M	640619	9.7	1370	934	90.0	113.0	55.0	3.0	471.8	288.0	53.0	46.0	0.17	0.2	069
32S/13E-33G01 M	640604	7.5	1761	1385	226.0	105.0	0.69	3.0	534.0	498.0	100.0	50.0	60.0	0.8	266
32S/13E-33K01 M	640604	7.4	1931	1599	240.0	126.0	74.0	3.0	587.7	540.0	110.0	71.0	0.08	0.8	1118
32S/13E-33K03 M	640604	7.9	1867	1524	229.0	116.0	74.0	2.0	566.9	510.0	105.0	62.0	0.08	0.9	1049
32S/13E-33K03 M	711022	8.2	2201	1693	253.0	133.0	79.0	1.8	491.3	0.909	126.0	160.0	60.0	9.0	1178
32S/13E-33M02 M	640618	8.1	1730	1444	208.0	117.0	67.0	2.0	562.1	481.0	74.0	93.0	0.10	9.0	1001
32S/13E-33M02 M	660718	8.0	1914	1411	212.0	105.0	61.0	2.0	423.1	501.0	85.0	138.0	0.08	0.8	962
32S/13E-33M02 M	670605	8.0	1713	1329	221.0	108.0	56.0	1.0	516.9	433.0	89.0	130.0	90.0	0.8	966
32S/13E-33M02 M	710602	8.2	1798		214.0	44.0	55.0	9.1	195.1	424.0	72.0	160.0	0.01	9.0	715
Jour Decree															
12N/35W-27N03 S	771006	8.1	1231	741	107.0	61.0	58.0	3.0	371.9	167.0	93.0	37.8	0.04	0.5	518

EC: Electrical Conductivity in umhos/cm, TDS; Total Dissolved Solids, Ca: Caldium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3; Bicarbonate, SO2; Sulfate, Cl: Chloride, NO3; Nitrate, B: Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	Date	Hd	EC	TDS@180°C	S	Mg	Na	7	HCO3	SO ₄	ਹ	NO ₃ B	E E		Total Hard-
State Well No.	уг/то/да	gel	qap	mg/L	mg/L	mg/L	mg/L	πg/L	mg/L	mg/L	mg/L	mg/L mg/L	/L mg/L	\dashv	ness, mg/L
12N/35W-28J02 S	771014	9.9	1015	649	72.0	29.0	58.0	2.3	19.5	0.09	101.0			1.1	299
	871105	7.3	662	570	54.0	21.0	50.0	2.6	36.6	94.0	62.0	153.0 0.	0.10	0.2	221
	771014	7.0	516	309	30.0	13.0	39.0	1.7	48.8	23.0	41.0			0.2	129
12N/35W-28L01 S	671030	7.0	319	234	12.0	9.0	33.0	2.0	15.8	4.0	26.0			0.1	29
12N/35W-34C03 S	711021	8.1	1176	752	101.0	64.0	59.0	3.5	380.4	167.0	103.0			7.4	515
12N/35W-34C03 S	731016	8.4	1234	789	98.0	0.99	59.0	3.9	385.3	161.0	102.0			9.4	517
12N/35W-34G04 S	640624	7.6	1160	730	104.0	55.0	55.0	3.0	376.7	183.0	74.0			0.2	486
12N/35W-35E03 S	640624	7.4	1100	716	94.0	59.0	57.0	3.0	365.8	197.0	71.0			0.2	477
12N/35W-35J01 S	620823	7.1	350	268	12.0	5.0	50.0	3.0	61.0	9.0	72.0			9.6	51
32S/13E-34G01 M	620823	7.1	1975	1706	240.0	120.0	71.0	1.0	365.8	730.0	144.0			9.6	1093
32S/13E-34G02 M	640624	7.4	1650	1044	121.0	77.0	162.0	2.0	352.4	403.0	167.0			4.0	619
32S/13E-34Q01 M	671030	7.7	841		38.0	20.0	89.0	1.0	56.1	22.0	106.0			0.1	177
Nipomo Mesa															
11N/34W-17N03 S	640717	7.1	220	168	13.0	2.0	32.0	1.0	51.2	7.0	35.0			0.1	4
	620821	7.0	221	160	10.0	3.0	29.0	1.0	41.5	3.0	42.0	6.0 0.9	0.01	0.1	38
	620821	7.4	937	590	70.0	35.0	90.0	4.0	321.9	125.0	89.0			0.3	319
	711026	8.1	869	535	62.0	34.0	79.0	3.3	279.2	120.0	87.0			0.1	294
11N/34W-18P02 S	710323	7.5	778	444	53.0	24.0	73.0	5.0	237.7	88.0	75.0			0.1	232
11N/34W-18P02 S	710920	8.0	879	547	59.0	31.0	78.0	2.7	257.3	115.0	83.0			0.2	277
11N/34W-19E01 S	850703	7.5	1100	826	106.4	41.6	66.5	2.7	197.5	317.6	49.3	43.4		0.4	430
11N/34W-19E01 S	870902	7.5		730	138.4	15.5	9.75	4.2	180.5	276.4	39.0	36.8	_	0.3	409
11N/34W-19E01 S	900122	7.5	1120	661	115.7	36.3	55.4	2.9	232.3	252.6	44.6	45.2		8.0	438
11N/34W-19E01 S	930118	7.7	650	357	53.8	20.8	44.5	1.8	151.3	107.2	52.1	14.4	_	0.2	220
11N/34W-19E01 S	931018	7.7	820	526	74.5	33.5	57.1	2.2	170.8	202.5	45.5	26.6		0.5	324
11N/34W-19E01 S	960124	7.8	910	571	88.1	34.1	61.1	2.6	194.2	209.6	52.6	30.3		0.3	360
11N/34W-19E01 S	990113	7.4	1080	693	119.0	33.0	59.2	3.0	227.0	279.0	59.6	25.9		0.4	437
11N/34W-19F01 S	620821	7.5	1005	720	97.0	43.0	63.0	3.0	212.1	278.0	62.0		0.10	0.5	419
11N/34W-19L02 S	660619	7.4	754	462	45.0	26.0	70.0		221.9	82.0	83.0			0.1	217
11N/34W-19L02 S	750610	7.3	096	543	74.0	22.9	76.0	4.8	257.3	105.0	86.0	0.1		0.4	278
11N/34W-19L02 S	781016	7.5	950		65.0	32.0	85.0	4.1	278.0	122.0	88.0	1.0	V	0.1	292
11N/34W-19L03 S	670805		714	404	46.0	16.0	0.69		181.7	81.0	77.0	1.2		0.1	181
11N/34W-19L03 S	606029	7.4	634	417	41.0	20.0	61.0		168.3	68.0	81.0	4.0		0.1	181
11N/34W-19L03 S	750630	7.3	1030	565	77.0	30.4	76.0	4.8	263.4	130.0	92.0	0.4		0.2	318
11N/34W-19L03 S	781016	8.1	940		62.0	32.8	80.0	4.2	258.5	135.0	75.0	1.0	٧	0.1	287

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Caldium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3: Bicarbonate, SO4: Sulfate, CI: Chloride, NO3: Nitrate, B: Boron, FI: Fluoride

☐ Appendix F

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	Date	핌	EC .	TDS@180°C	Sa	Mg	Na	~	HCO3	SO ₄	ਹ	NOs	В	<u> </u>	Total Hard-
State Well No.	yr/mo/da	ap	lab	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	\neg	mg/L r	mg/L	ness, mg/L
11N/34W-19I 03 S	820127	7.3	950	558	76.0	27.7	71.7	5.0	248.7	122.0	105.0	1.0		0.1	305
	850703	7.4	910	638	64.2	28.8	81.7	3.6	240.2	125.0	93.8	0.1		<0.1	295
11N/34W-19L03 S	870902	7.2	940	637	88.4	17.7	75.7	4.2	219.8	122.8	109.4	4.1		1.2	294
11N/34W-19L03 S	900122	7.3	096	266	84.3	26.0	74.3	3.5	284.0	110.3	90.5	1.0		<0.1	318
11N/34W-19L03 S	930117	7.2	910	506	76.9	25.8	70.4	2.9	234.2	134.1	97.7	2.4		0.1	298
11N/34W-19L03 S	931018	7.5	920	522	61.7	35.7	81.1	3.0	246.4	121.2	95.5	2.7		0.4	301
11N/34W-19L03 S	960124	7.7	1050	582	72.1	38.9	89.5	3.3	291.8	138.3	94.7	2.0		0.1	340
11N/34W-19L04 S	890814	7.9	970	592	81.9	22.5	82.5	3.9	280.6	114.3	98.0	×1.0		0.2	342
11N/34W-19L04 S	960222	7.6	950	547	83.1	30.1	65.0	3.8	279.6	130.0	97.0	2.0		0.2	336
11N/34W-19L04 S	990113	7.4	940	543	83.6	30.0	66.1	3.1	269.0	132.0	95.9	2.0		0.1	315
11N/34W-19Q01 S	580917	8.6	1025	743	100.0	45.0	58.0	3.0	201.2	291.0	64.0	8.9	90.0	0.2	435
11N/34W-19Q01 S	590421	8.0	1051	755	98.0	45.0	64.0	3.0	212.1	284.0	0.99	3.0	0.81	0.3	430
11N/34W-19Q01 S	590911	7.6	1085	770	99.0	45.0	64.0	3.0	214.6	282.0	0.99	0.9	0.18	0.3	432
11N/34W-19Q01 S	600408	8.0	1082	770	98.0	47.0	62.0	3.0	214.6	289.0	68.0	0.9	0.12	0.4	438
11N/34W-19Q01 S	601013	8.3	925	630	89.0	36.0	56.0	2.0	202.4	220.0	0.79	6.8	0.08	0.5	370
11N/34W-19Q01 S	611005	7.6	755		74.0	26.0	51.0	2.0	185.3	148.0	65.0	0.9	0.14	0.3	292
11N/34W-19Q01 S	620920	8.1	780	584	72.0	33.0	52.0	3.0	195.1	176.0	64.0	4.0	0.13	0.2	315
11N/34W-20E03 S	710521	7.9	781	473	52.0	28.0	0.99	3.0	231.7	95.0	71.0	0.0	0.05	0.1	245
11N/34W-20J01 S	620822	7.4	1350	006	94.0	62.0	122.0	3.0	392.6	232.0	137.0	1.0	90.0	0.4	490
11N/35W-01N01 S	620711	6.9	310	190	13.0	5.0	39.0	1.0	58.5	0.0	61.0	8.0	0.05	0.1	53
11N/35W-02F01 S	761001	7.2	288	161	15.0	4.0	34.0	1.6	29.7	8.0	45.0	8.0	0.03	0.2	53
11N/35W-02F01 S	771014	7.2	264	147	9.0	4.0	35.0	1.0	47.5	7.0	42.0	9.3	0.00	0.1	38
11N/35W-02N01 S	931109	9.7	720	420	58.5	22.8	50.8	2.3	129.3	167.2	48.8	5.8		0.3	240
11N/35W-02N01 S	931214	7.0	250	142	9.0	5.2	34.8	1.5	42.5	10.6	48.3	12.1		×1.0	44
11N/35W-03C01 S	620801	6.8	250	154	8.0	2.0	35.0	2.0	34.1	3.0	52.0	0.9	0.02	0.1	28
11N/35W-03C01 S	771014	7.3	364	182	7.0	4.0	50.0	1.0	47.5	0.9	65.0	13.5	0.00	0.1	32
11N/35W-04E01 S	971205	7.3	405	235	19.1	8.9	52.0	2.8	93.1	20.0	56.2	29.7		0.1	84
11N/35W-04E02 S	980108	9.7	470	262	37.5	7.8	45.0	3.4	119.0	32.3	62.9	14.7		0.1	126
11N/35W-05A01 S	980109	7.1	330	179	15.1	4.3	41.0	3.0	42.9	9.9	59.8	24.4		0.1	55
11N/35W-05B01 S	930317	6.7	360	210	7.0	5.0	52.0	1.0	40.0	9.0	64.0	29.0		0.2	10
11N/35W-05B01 S	960331	7.0	330	250	9.7	5.3	54.0		43.0	13.0	0.09	23.0		0.1	46
11N/35W-05B02 S	930317	6.8	380	230	8.0	5.0	53.0	2.0	50.0	13.0	65.0	29.0		<0.3	20
11N/35W-05B02 S	960331	7.2	350	260	12.0	6.2	58.0		43.0	18.0	67.0	18.0		0.2	55
11N/35W-05D06 S	671101	7.1	485	264	3.0	7.0	82.0	1.0	56.1	9.0	101.0	28.0	0.05	0.3	37
11N/35W-05F01 S	910918	6.8	200	458	55.0	22.0	45.0	2.0	129.0	135.0	56.0	13.5		0.2	228

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3: Bicarbonate, SO2: Sulfate, Cl: Chloride, NO3: Nitrate, B. Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	Date	표	2	TDS@180°C	Ca	Mg	Na	×	HCO3H	SO ₄	ō	NO3	<u>m</u>	<u>-</u>	Total Hard-
State Well No.	yr/mo/da	lap	lab	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	\dashv	mg/L r	mg/L	ness, mg/L
11N/35W-05E01 S	941205	6.2	420	340	18.6	10.7	63.0	. 8.	49.0	33.0	68.5			0.1	
	980317	6.9	400	350	20.0	12.0	64.0	1.9	50.0	33.0	72.0	82.0		0.0	66
11N/35W-05G02 S	771020	7.0	494	252	13.0	8.0	64.0	1.1	45.1	12.0	70.0	69.8	60.0	0.2	99
11N/35W-05G02 S	811019	7.4	398	303	8.0	7.0	58.0	1.2	41.5	8.0	0.99	47.2	0.00	0.2	49
11N/35W-05G02 S	871105	7.5	327	197	0.9	4.0	62.0	1.3	56.1	0.9	62.0	33.0	0.10	0.2	32
11N/35W-05H01 S	980106	7.1	335	191	12.3	7.2	45.7	1.1	45.8	9.6	63.9	28.3		0.1	90
11N/35W-05J01 S	871105	8.0	1170	764	63.0	68.0	96.0	2.7	275.5	187.0	145.0	33.0	0.10	9.0	436
11N/35W-05L01 S	621019	7.4	069	570	64.0	24.0	48.0	3.0	168.3	148.0	48.0	0.9	0.12	0.2	258
11N/35W-05L01 S	630927	8.1	704	475	59.0	27.0	52.0	3.0	165.8	159.0	49.0	5.0	0.08	0.3	258
11N/35W-05L01 S	641015	7.8	711	485	0.09	28.0	47.0	3.0	157.3	158.0	53.0	6.7	0.03	0.2	265
11N/35W-05L01 S	651011	8.0	200	430	57.0	27.0	50.0	3.0	151.2	156.0	52.0	0.9	90.0	0.3	253
11N/35W-05L01 S	691008	9.7	069	396	55.0	26.0	43.0	2.0	139.0	150.0	51.0	7.0	90.0	0.3	245
11N/35W-05L01 S	701019	8.1	692	480	56.0	25.0	50.0	3.0	140.2	147.0	51.0	8.0	90.0	0.2	243
11N/35W-05L01 S	711026	7.9	670	440	56.0	26.0	48.0	2.6	145.1	153.0	50.0	7.0	90.0	0.1	247
11N/35W-05L01 S	741104	7.3	752	441	53.0	26.0	48.0	2.8	143.9	150.0	48.0	7.2	0.03	0.2	239
11N/35W-05L01 S	771020	8.3	718	447	57.0	24.0	48.0	2.1	147.5	146.0	48.0	7.1	0.05	0.3	241
11N/35W-05L01 S	791102	7.8	672	433	55.0	23.0	48.0	2.9	145.1	144.0	48.0	7.7	0.10	0.4	232
11N/35W-05L01 S	850419	8.2	650	459	53.0	23.0	46.0	2.8	148.7	136.0	48.0	0.9	0.10	0.3	226
11N/35W-05L02 S	671101	7.0	363	222	5.0	5.0	26.0	1.0	40.2	12.0	0.69	12.0	0.03	0.2	33
11N/35W-05N01 S	611106	7.1	315	220	9.0	0.9	42.0	1.0	36.6	5.0	50.0	48.0	0.04	0.2	47
11N/35W-05N01 S	620712	6.9	475	270	9.0	7.0	69.0	2.0	52.4	16.0	86.0	28.0	0.10	0.2	52
11N/35W-05N02 S	750315	8.0	1070	808	112.0	45.0	65.0	3.5	214.6	349.0	38.0	3.1	0.13	0.4	454
11N/35W-05R01 S	771020	7.2	306	174	13.0	5.0	35.0	1.6	73.2	5.0	48.0	3.3	0.00	0.1	53
11N/35W-06B01 S	970129			240	14.0	7.1	63.0	5.0	0.09	30.0	58.0	13.0			
11N/35W-06B01 S	971216	7.4	280	400	52.0	20.0	53.0	2.2	120.0	120.0	26.0	24.0		0.0	210
11N/35W-06H01 S	620712	6.9	475	302	9.0	8.0	70.0	4.0	50.0	22.0	86.0	27.0	0.10	0.1	26
11N/35W-07A01 S	531029	7.8	1070		121.0	46.0	62.0	4.0	223.1	360.0	46.0	1.9	0.32	0.2	491
11N/35W-07A01 S	540405	7.5			122.0	43.0	0.09		228.0	355.0	39.0				482
11N/35W-07A01 S	611106	7.7	1148	860	124.0	50.0	64.0	3.0	231.7	386.0	41.0	2.0	0.14	0.4	515
11N/35W-07A01 S	620712	7.5	1180	808	110.0	46.0	62.0	4.0	221.9	360.0	41.0	0.0	0.20	0.2	464
11N/35W-07R01 S	640618	7.5	1241	986	138.0	50.0	0.99	3.0	231.7	421.0	46.0	2.3	0.15	0.5	220
11N/35W-07R01 S	651008	8.0	1178	880	125.0	49.0	70.0	4.0	178.0	443.0	43.0	2.8	0.18	0.4	514
11N/35W-07R01 S	741107	7.9	1359	1005	138.0	0.09	76.0	3.4	234.1	477.0	43.0	2.4	0.17	0.5	591
11N/35W-09C S	960304	6.8	390	240	14.0	7.3	48.0		61.0	30.0	26.0	18.0		멑	65
11N/35W-09G01 S	651013	7.8	626	381	42.0	24.0	45.0	2.0	139.0	107.0	26.0	4.0	90.0	0.2	204

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3; Bicarbonate, SO4; Sulfate, CI: Chloride, NO 3; Nitrate, B: Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	Date	Ξ	E C	TDS@180°C	S	Ma	EZ.	¥	- SOH	SO,	ū	ő	B	E	Total Hard-
State Well No.	yr/mo/da	<u>8</u>	ap B	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ness, mg/L
1 8		ı			1		6	,		7.0	0	c c		6	30
11N/35W-09JUZ S	921027	0.0	300	200	0.		20.0	?	4 - - -	. i	0.00			- ·	8 8
11N/35W-09J02 S	940510	7.2	460	340	18.0		26.0	3.0	63.0	47.0	71.0	20.0		0.1	85
11N/35W-09J02 S	960228	7.0	620	410	44.0		49.0	3.0	140.0	110.0	54.0	11.0	0.10	0.1	190
11N/35W-09J02 S	990223	7.0	1000	730	92.0		57.0	3.0	200.0	260.0	49.0	4.8	0.20	0.1	400
11N/35W-09K01 S	620712	6.9	300	206	13.0		38.0	2.0	62.2	0.9	53.0	0.9	0.05	0.2	57
11N/35W-09K02 S	761005	7.4	308	186	15.0	5.0	35.0	2.3	52.4	4.0	57.0	8.7	0.02	0.1	27
11N/35W-09K02 S	771020	7.6	317	159	12.0		35.0	2.0	56.1	5.0	54.0	9.3	0.01	0.0	51
11N/35W-09K02 S	771020	7.4	303	182	12.0		35.0	1.7	52.4	4.0	52.0	10.1	0.02	0.1	51
11N/35W-09K02 S	871105	7.3	311	210	16.0		33.0	2.2	29.7	15.0	54.0	8.5	0.00	0.2	73
11N/35W-09K04 S	741107	6.9	316	126	10.0		34.0	2.3	53.6	7.0	52.0	9.5	0.00	0.1	54
11N/35W-09K04 S	761006	7.5	337	197	23.0		33.0	2.3	79.2	0.9	54.0	9.1	0.02	0.1	77
11N/35W-09K04 S	811019	7.3	290	208	10.0		34.0	2.2	51.2	2.0	52.0	10.2	0.00	0.1	54
11N/35W-09K05 S	811120	7.3	250	175	11.0		35.0		40.2	10.0	48.0	22.0		0.1	80
11N/35W-09K05 S	920220	6.5	350	230	14.0		41.0	0.9	51.0	17.0	55.0	12.0		0.1	61
11N/35W-09K05 S	960228	6.4	320	220	15.0		37.0	3.0	77.0	18.0	52.0	12.0	0.10	0.1	63
11N/35W-09K05 S	990519	7.2	910	650	89.0		53.0	3.0	200.0	266.0	41.0	6.4	0.10	0.1	362
11N/35W-09P01 S	590727	9.9	286	213	11.0		34.0	2.0	42.7	4.0	53.0	8.0	0.16	0.0	48
11N/35W-09P01 S	620712	8.9	285	190	11.0		34.0	2.0	47.5	2.0	52.0	8.0	0.00	0.1	48
11N/35W-09P01 S	621011	7.2	265	206	16.0		35.0	4.0	58.5	11.0	48.0	7.0	0.05	0.2	22
11N/35W-09P01 S	630927	7.3	292	180	10.0		35.0	2.0	56.1	3.0	52.0	9.5	0.02	0.2	54
11N/35W-09P01 S	631206	7.0	250	179	14.0		36.0	2.0	47.5	15.0	48.0	4.4	0.05	0.1	48
11N/35W-09P01 S	641015	7.2	289	207	12.0		33.0	2.0	47.5	8.0	53.0	12.0	0.00	0.0	52
11N/35W-09P01 S	651011	7.8	293	206	12.0		34.0	2.0	48.8	11.0	50.0	11.0	0.01	0.1	51
11N/35W-09P01 S	701019	7.9	304	210	11.0		35.0	2.0	43.9	14.0	50.0	13.0	0.00	0.0	56
11N/35W-09P01 S	711026	7.2	290	171	11.0		35.0	2.1	46.3	11.0	50.0	12.0	0.00	0.0	54
11N/35W-09P01 S	850419	7.9	308	204	13.0		35.0	2.6	53.6	16.0	50.0	12.9	0.00	0.1	62
11N/35W-10G03 S	860429	8.3	824	522	53.0		77.0		217.0	105.0	82.5	2.6		0.3	252
11N/35W-10G03 S	870618	7.9	734	554	53.0		53.0		146.3	153.0	47.6				238
11N/35W-10G03 S	880812	7.5	781	487	52.7		78.0		263.4	92.0	77.8				248
11N/35W-10G03 S	890503	8.0	930	568	55.0		96.0		306.0	108.0	94.0	1.8			270
11N/35W-10G03 S	891106	8.0	957	610	58.0		100.0		320.7	104.0	84.0	0.4			293
11N/35W-10G04 S	870618	7.9	734	554	53.0		53.0		120.0	153.0	47.6				238
11N/35W-10G04 S	880812	7.1	698	474	57.0		0.09		174.3	167.0	48.0				261
11N/35W-10G04 S	890503	7.4	700	475	50.0		0.09		150.0	150.0	51.0	6.2			231
11N/35W-10G04 S	891106	7.5	530	352	31.0		54.0		75.0	106.0	52.0	1.7			158

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3: Bicarbonate, SO2; Sulfate, CI: Chloride, NO3; Nitrate, B: Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

122	Date	H	2	TDS@180°C	S	Mg	Na	\times	HCO3H	SO ₄	ū	NO ₃	8	E	Total Hard-
State Well No.	yr/mo/da	lab	lab	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L r	mg/L	ness, mg/L
11N/35W-10G04 S	900524	7.3	639	470	55.0	28.0	54.0		139.0	167.0	50.0	5.3			251
	901107	7.6	646	490	57.0	28.0	45.0		162.2	155.0	44.0	5.3			259
11N/35W-10G04 S	910805	7.0	549	492	55.0	29.0	50.5		163.4	170.0	41.0	6.1			256
11N/35W-10G04 S	920806	6.9	637	468	48.0	23.0	51.9	2.0	122.0	177.0	47.0	9.9			214
11N/35W-10G04 S	970416	6.2	260	420	37.0	18.0	47.0	3.0	90.0	100.0	45.0	9.5	0.10	0.1	170
11N/35W-10G04 S	000712	6.7	417	260	18.0	9.0	43.0	3.0	0.09	40.0	65.0	11.8	0.10	0.1	82
11N/35W-10G05 S	890627	0.9	720	480	33.0	29.0	58.0	<3.0	130.0	170.0	42.0	4.0		0.0	290
11N/35W-10G05 S	890628	0.9	550	420	33.0	16.0	50.0	3.0	120.0	100.0	100.0	6.0		0.0	180
11N/35W-10G05 S	900524	7.2	401	264	21.0	11.0	48.0		95.1	70.0	46.0	8.0			66
11N/35W-10G05 S	910805	7.0	288	248	18.0	11.0	38.8		72.1	45.0	41.0	11.2			91
11N/35W-10G05 S	920806	6.7	364	282	22.0	9.0	41.4	2.0	68.3	58.0	49.0	8.4			94
11N/35W-10G05 S	970416	9.9	770	580	0.99	32.0	53.0	3.0	180.0	190.0	50.0	5.8	0.10	0.1	290
11N/35W-10G05 S	000419	7.1	853	009	0.99	31.0	56.0	3.0	170.0	212.0	55.0	5.5	0.10	0.1	292
11N/35W-10G05 S	000720	9.9	829	550	64.0	31.0	53.0	3.0	170.0	194.0	52.0	5.3	0.10	0.2	287
11N/35W-10J01 S	840905	7.4	730	433	46.0	25.0	51.0	4.0	128.0	139.0	49.0	1.0		0.3	220
11N/35W-10J02 S	920220	7.1	800	510	0.09	34.0	70.0	7.0	210.0	24.0	68.0	22.0		c 0.1	270
11N/35W-10J02 S	960226	7.2	790	520	54.0	28.0	65.0	3.0	220.0	130.0	79.0	3.7	0.10	0.1	250
11N/35W-10J02 S	990223	7.0	810	510	58.0	29.0	0.79	3.0	210.0	130.0	0.69	3.3	0.20	0.1	260
11N/35W-10M01 S	620821	6.9	270	160	9.0	4.0	39.0	2.0	51.2	3.0	53.0	5.0	0.02	0.1	39
11N/35W-10M01 S	640618	7.3	280	180	9.0	4.0	36.0	2.0	52.4	2.0	51.0	6.5	0.00	0.1	39
11N/35W-10R01 S	620822	7.0	229	150	7.0	2.0	35.0	2.0	31.7	4.0	48.0	7.0	0.01	0.1	26
11N/35W-10R01 S	640618	7.9	236	168	7.0	3.0	32.0	1.0	30.5	5.0	47.0	7.5	0.00	0.0	30
11N/35W-10R01 S	731012	9.9	241	161	5.0	3.0	32.0	1.6	24.4	8.0	44.0	8.2	0.00	0.0	25
11N/35W-10R01 S	741108	7.2	232	153	5.0	3.0	32.0	2.0	21.9	0.9	45.0	8.8	0.00	0.3	22
11N/35W-10R01 S	811021	7.0	198	172	0.9	3.0	33.0	2.3	29.3	4.0	47.0	7.8	0.00	0.1	28
11N/35W-10R02 S	741108	7.5	350	232	15.0	10.0	34.0	2.0	51.2	36.0	46.0	17.0	0.00	0.3	78
11N/35W-11B01 S	620801	6.9	243	156	11.0	2.0	30.0	1.0	43.9	2.0	46.0	3.0	0.00	0.1	36
11N/35W-11C01 S	761006	8.0	792	471	54.0	25.0	70.0	3.1	225.6	74.0	96.0	1.8	0.07	0.3	238
11N/35W-11C01 S	771021	8.3	850	469	57.0	28.0	74.0	2.4	228.0	72.0	108.0	3.0	0.03	0.2	257
11N/35W-11J01 S	620801	8.9	240	164	9.0	4.0	31.0	1.0	47.5	4.0	46.0	4.0	0.00	0.1	39
11N/35W-11J01 S	640618	8.9	254	192	9.0	5.0	30.0	1.0	36.6	5.0	48.0	6.5	0.00	0.1	43
11N/35W-11J01 S	731012	6.5	233	188	11.0	3.0	30.0	1.2	36.6	4.0	49.0	9.3	0.00	0.2	39
11N/35W-11J01 S	761006	7.5	247	150	9.0	4.0	30.0	1.2	34.1	6.0	48.0	6.2	0.02	0.3	38
11N/35W-11J01 S	771021	7.6	261	157	10.0	3.0	33.0	1.0	36.6	7.0	47.0	7.4	0.02	0.3	38
11N/35W-11J01 S	791105	7.3	244	174	10.0	4.0	31.0	1.3	36.6	0.9	48.0	9.9	0.00	0.4	42

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3: Bicarbonate, SO2: Sulfate, Ct: Chloride, NO3: Nitrate, B: Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	Date	표	S	TDS@180°C	S	M	Na	_	- GOH	SO,	ō	őN	<u> </u>	Ē	Total Hard-
State Well No.	yr/mo/da	lab	lab	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ness, mg/L
11N/35W-11.I01.S	811021	7.3	262	183	α	2	30.0		3 36	7	7.7	u u	6	c c	\$
	871016	8.2	878	750	89.0	47.0	52.0	- ~	179.2	302.0	47.0	5.5 A	0.00	0.0 V. 0	415
11N/35W-11J02 S	811120	8.2	006	630	59.0	32.0	85.0	i	200.0	140.0	92.0	13.0	2	0.1	320
11N/35W-11J03 S	881004	7.5	200	320	32.0	15.0	49.0	4.0	121.9	47.0	71.0	5.8		<0.1	130
11N/35W-11J03 S	920250	7.5	800	480	44.0	28.0	65.0	4.0	220.0	84.0	91.0	3.9		<0.1	240
11N/35W-11J03 S	960226	7.3	730	460	44.0	24.0	65.0	3.0	230.0	81.0	89.0	6.9	0.10	0.1	210
11N/35W-11J03 S	990223	7.3	630	390	37.0	20.0	62.0	3.0	170.0	48.0	73.0	7.2	0.00	0.0	170
11N/35W-12E01 S	531029	7.3	236	173	0.9	7.0	32.0	1.0	52.4	0.9	44.0	3.0	0.00	0.3	44
_	601006	7.0	256		10.0	0.9	27.0	1.0	48.8	7.0	46.0	1.6	0.00	0.2	50
_	611117	9.7	236	170	8.0	0.9	28.0	1.0	42.7	5.0	46.0	4.3	0.01	0.3	45
_	620711	6.8	313	190	15.0	0.9	35.0	2.0	63.4	7.0	54.0	1.0	0.02	0.1	62
	621010	7.1	257	158	11.0	4.0	29.0	1.0	48.8	4.0	46.0	4.2	0.00	0.5	44
11N/35W-12E01 S	630927	7.1	339	242	21.0	0.9	39.0	2.0	73.2	11.0	60.0	3.1	0.14	0.2	77
11N/35W-12E01 S	631206	7.1	230	166	11.0	4.0	32.0	1.0	52.4	7.0	44.0	0.0	0.03	0.2	44
_	640618	6.9	447	295	27.0	10.0	42.0	2.0	82.9	17.0	82.0	2.0	90.0	0.3	109
	651008	8.2	528	290	37.0	13.0	48.0	2.0	126.8	30.0	84.0	2.2	0.05	0.2	146
	731012	7.8	200	474	51.0	25.0	65.0	2.7	224.3	59.0	95.0	0.1	0.00	0.0	228
	761006	8.0	881	540	65.0	30.0	68.0	3.1	231.7	75.0	124.0	1.3	90.0	0.3	285
~ 1	791105	7.1	295	188	8.0	4.0	45.0	1.4	39.0	4.0	52.0	27.0	0.00	0.3	36
	791031	9.2	220	82	7.0	4.0	33.0	1.3	35.4	4.0	49.0	9.9	0.00	0.2	34
_	620802	8.9	260	170	10.0	6.0	31.0	2.0	48.8	2.0	45.0	19.0	0.02	0.1	20
_	761006	7.5	343	214	19.0	0.9	35.0	1.6	64.6	13.0	47.0	23.0	0.01	0.3	72
11N/35W-13C01 S	811021	8.0	289	362	36.0	18.0	51.0	2.2	160.9	48.0	58.0	12.2	0.00	0.3	164
11N/35W-13D01 S	620711	7.6	1145	752	81.0	47.0	96.0	4.0	347.5	171.0	111.0	0.0	0.10	0.1	396
11N/35W-13D01 S	640618	7.5	1143	724	77.0	50.0	91.0	3.0	321.9	174.0	106.0	1.5	0.00	0.1	398
	920220	7.6	700	410	41.0	22.0	58.0	3.0	207.3	72.0	74.0	7.1		<0.1	210
	960226	7.5	750	450	48.0	25.0	67.0	3.0	260.0	91.0	81.0	3.7	0.10	0.1	220
	771021	6.7	525	292	33.0	14.0	47.0	1.6	136.6	40.0	54.0	14.4	0.02	0.3	140
11N/35W-13K01 S	761006	8.0	827	503	54.0	34.0	68.0	2.3	251.2	106.0	81.0	0.0	0.04	0.2	275
	891201	6.9	750	510	0.69	31.0	56.0	3.0	180.0	150.0	150.0	5.3	0.20	0.2	270
11N/35W-14E01 S	980327	7.0	096	680	84.0	39.0	58.0	3.0	210.0	260.0	51.0	6.3	0.10	0.1	370
11N/35W-14J01 S	891201	7.0	820	009	80.0	36.0	62.0	3.0	180.0	210.0	39.0	5.3	0.20	0.3	320
11N/35W-14Q01 S	620822	8.1	1344	1020	138.0	71.0	78.0	3.0	282.9	461.0	55.0	29.0	0.17	9.0	637
0	640618	7.9	268	395	40.0	19.0	42.0	2.0	131.7	75.0	56.0	8.5	0.05	0.1	178
11N/35W-15D S	940806	7.7	1185	200	120.0	38.0	48.0	3.8	211.0	314.0	68.0	3.1	0.44		456

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3: Bicarbonate, SO4: Sulfate, Cl: Chloride, NO3: Nitrate, B: Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

lab mg/L m	표	TDS@180°C	Sa	Mg	Na	ス	HCO ₃	SO ₄	ਹ	NO _s	8	H H	Total Hard-
\$ 940806 7.6 1060 616 115.0 29.0 \$ 31216 6.9 610 442 54.0 21.0 \$ 610712 7.7 1270 980 150.0 56.0 \$ 620712 7.7 1270 980 150.0 57.0 \$ 840806 7.2 1425 840 150.0 57.0 \$ 940806 7.2 1425 840 150.0 57.0 \$ 940806 7.2 1425 840 150.0 57.0 \$ 940807 7.2 1425 840 150.0 57.0 \$ 800718 7.6 1090 599 79.9 38.5 \$ 800724 7.7 870 525 64.1 28.0 \$ 800701 7.8 800 574 64.1 38.9 \$ 800701 7.8 800 525 64.1 28.0 \$ 800701 7.8 800 72 88.0 \$ 800012 7.4 710	lab	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	-			ness, mg/L
S 931216 6.9 610 442 54.0 21.0 1S 611106 7.6 1300 1025 150.0 56.0 1S 620821 7.7 1270 980 139.0 57.0 1S 940806 7.2 1425 840 150.0 56.0 1S 940806 7.2 1425 840 150.0 57.0 1S 940806 7.2 1425 840 150.0 57.0 1S 940806 7.2 1430 667 91.3 34.1 1S 930118 7.6 1000 574 64.1 38.9 1S 930118 7.6 1000 574 64.1 38.9 1S 930118 7.6 1000 574 64.1 38.9 1S 930117 7.6 370 75.2 13.2 28.0 S 930117 7.6 330 7.5 13.2 28.4	7.6		115.0	29.0	41.0	4.0	173.0	286.0	56.0		0.38		408
15 611106 7.6 1300 1025 150.0 56.0 15 620712 7.7 1270 980 139.0 57.0 15 620821 7.4 776 545 88.0 21.0 15 940806 7.2 1425 840 150.0 43.0 18 940806 7.2 1425 840 150.0 43.0 18 940806 7.2 1430 667 91.3 34.1 18 930118 7.6 1090 599 79.9 38.5 18 960124 7.7 870 526 64.1 38.0 18 960124 7.7 870 528 64.1 38.9 18 960124 7.7 870 52.0 64.1 30.2 18 800701 7.8 800 7.2 80.0 7.0 80.0 18 800702 7.6 1000 649 10.7	6.9		54.0	21.0	43.0	2.0	95.0	140.0	45.0	16.0 <	<0.1		220
15 620712 7.7 1270 980 139.0 57.0 15 620821 7.4 776 545 88.0 21.0 15 940806 7.2 1425 840 150.0 43.0 18 940806 7.2 1425 840 150.0 43.0 18 930118 7.6 1090 599 79.9 38.5 18 930118 7.6 1000 574 64.1 38.0 18 960124 7.7 870 525 64.1 28.0 18 960124 7.7 870 528 64.1 38.0 18 960124 7.7 870 52.0 64.1 38.0 18 800701 7.8 800 52.0 64.1 30.2 18 800701 7.8 800 7.2 80.0 7.0 80.0 18 800701 7.8 10.0 40.3 80.0	9.7	80	150.0	56.0	67.0	4.0	239.0	471.0	45.0		0.16	9.0	605
15 620821 7.4 776 545 88.0 21.0 S 940806 7.2 1425 840 150.0 43.0 IS 940806 7.2 1425 840 150.0 43.0 IS 930118 7.6 1090 599 79.9 38.5 IS 960124 7.7 870 526 64.1 28.0 IS 96013 7.5 915 528 78.3 19.2 IS 960144 7.7 870 526 64.1 28.0 IS 800701 7.8 800 7.2 40 30.2 S 800703 7.4 710 414 49.7 77.0 S 800704 7.8 800 7.2 80.3 8.5 S 800705 7.6 930 7.2 8.0 13.0 S 900120 7.4 1100 649 113.7 4.4	7.7		139.0	57.0	64.0	3.0	235.3	460.0	45.0		0.20	0.2	582
S 940806 7.2 1425 840 150.0 43.0 IS 891030 7.2 1130 667 91.3 34.1 IS 930118 7.6 1090 599 79.9 38.5 IS 960124 7.7 870 526 64.1 28.0 IS 96013 7.5 915 528 78.3 19.2 IS 800701 7.8 800 70.9 38.0 S 800701 7.8 800 725 84.0 30.0 S 800702 7.4 710 414 49.7 77.0 S 800703 7.4 710 414 49.7 77.0 S 800702 7.6 70 725 83.3 38.5 S 800122 7.5 1100 649 113.7 34.4 S 900124 7.7 1060 696 107.3 40.3 S <td>7.4</td> <td></td> <td>88.0</td> <td>21.0</td> <td>52.0</td> <td>3.0</td> <td>143.9</td> <td>240.0</td> <td>38.0</td> <td></td> <td>20.0</td> <td>0.3</td> <td>306</td>	7.4		88.0	21.0	52.0	3.0	143.9	240.0	38.0		20.0	0.3	306
1S 891030 7.2 1130 667 91.3 34.1 1S 930118 7.6 1090 599 79.9 38.5 1S 930118 7.6 1000 574 64.1 38.9 1S 960124 7.7 870 525 64.1 28.0 1S 990113 7.5 915 528 78.3 19.2 1S 620821 7.9 191 130 4.0 3.0 1S 800701 7.8 800 725 64.1 28.0 8 870703 7.7 1100 649 14.4 49.7 17.0 S 930177 7.6 930 558 92.1 31.6 S 930177 7.6 930 558 92.1 31.6 S 930177 7.6 930 558 92.1 31.6 S 930178 7.7 1060 696 107.3 40.3	7.2		150.0	43.0	53.0	3.7	221.0	429.0	58.0		0.75		552
1.S 930118 7.6 1090 599 79.9 38.5 1.S 931019 7.6 1000 574 64.1 38.9 1.S 960124 7.7 870 525 64.1 28.0 1.S 960124 7.7 870 525 64.1 28.0 1.S 620821 7.9 191 130 4.0 3.0 1.S 620821 7.8 800 52.8 78.3 19.2 2.S 807013 7.4 710 414 49.7 17.0 3.S 807020 7.4 710 414 49.7 17.0 3.S 870715 8.0 1120 725 83.3 38.5 3.S 870712 7.4 710 649 113.7 34.4 3.S 930112 7.4 1100 649 10.7 34.4 3.S 930112 7.4 1100 649 11.3 34.4 <td>7.2</td> <td></td> <td>91.3</td> <td>34.1</td> <td>85.4</td> <td>3.0</td> <td>304.5</td> <td>156.8</td> <td>105.6</td> <td></td> <td></td> <td>6.0</td> <td>368</td>	7.2		91.3	34.1	85.4	3.0	304.5	156.8	105.6			6.0	368
15 931019 7.6 1000 574 64.1 38.9 15 960124 7.7 870 525 64.1 28.0 15 960124 7.7 870 525 64.1 28.0 15 620821 7.9 191 130 4.0 3.0 2 800701 7.8 800 53.0 28.0 28.0 2 820503 7.4 710 414 49.7 17.0 3 820503 7.4 710 412.0 30.0 28.0 3 870902 7.5 1100 649 113.7 34.4 5 930117 7.6 930 558 92.1 31.6 5 930117 7.6 930 558 92.1 31.6 5 930117 7.6 930 558 92.1 31.6 5 930117 7.6 930 558 13.1 22.0	9.7		79.9	38.5	81.5	2.8	269.4	172.4	110.6	3.2		0.1	
1S 960124 7.7 870 525 64.1 28.0 1S 990113 7.5 915 528 78.3 19.2 1S 620821 7.9 191 130 4.0 3.0 S 800701 7.8 800 7.2 8.0 28.0 S 820503 7.4 710 414 49.7 17.0 S 820503 7.4 710 414 49.7 17.0 S 820503 7.6 710 414 49.7 17.0 S 870705 7.6 990 725 83.3 38.5 S 930117 7.6 930 7.5 19.7 34.4 S 930112 7.7 1060 696 107.3 40.3 S 930124 7.8 1010 616 92.9 38.4 S 930125 7.4 1100 698 124.0 29.0	9.7		64.1	38.9	87.3	2.6	280.6	136.4	102.2	3.9		0.4	320
1S 990113 7.5 915 528 78.3 192 1S 620821 7.9 191 130 4.0 3.0 S 800701 7.8 800 5.0 28.0 S 820503 7.4 710 414 49.7 17.0 S 820503 7.4 710 414 49.7 17.0 S 820503 7.4 710 414 49.7 17.0 S 850703 5.7 990 725 83.3 38.5 S 930117 7.6 930 745 19.7 34.4 S 930117 7.6 930 558 92.1 31.6 S 930117 7.6 930 558 92.1 31.6 S 930118 7.7 1100 698 124.0 29.0 S 930122 7.4 1100 698 124.0 29.0 S	7.7		64.1	28.0	84.1	2.7	241.6	129.6	88.6	9.1		0.1	275
1S 620821 7.9 191 130 4.0 3.0 S 800701 7.8 800 53.0 28.0 S 820503 7.4 710 414 49.7 17.0 S 850703 5.7 990 725 83.3 38.5 S 870902 7.6 990 726 83.3 38.5 S 870902 7.6 930 756 132.0 25.5 S 930117 7.6 930 558 92.1 31.6 S 930117 7.6 930 558 92.1 31.6 S 930117 7.6 930 558 92.1 31.6 S 930124 7.8 1010 616 92.9 38.4 S 930519 7.4 1120 745 119.0 43.1 S 930526 7.4 1100 698 124.0 22.0 S	7.5		78.3	19.2	85.0	2.1	243.0	122.0	95.7	6.3		0.1	274
S 800701 7.8 800 53.0 28.0 S 820503 7.4 710 414 49.7 17.0 S 850703 5.7 990 725 83.3 38.5 S 870902 7.6 1120 710 132.0 25.5 S 930117 7.6 930 558 92.1 31.6 S 930118 7.7 1060 698 124.0 29.0 S 930526 7.4 1100 698 124.0 29.0 S 930118 7.5 210 132 5.9 22.2 S 930118 7.2 240 123 7.5 3.2 S	6.7		4.0	3.0	29.0	1.0	31.7	2.0	39.0		0.01	0.1	23
\$ 820503 7.4 710 414 49.7 17.0 \$ 850703 5.7 990 725 83.3 38.5 \$ 870902 7.6 710 132.0 25.5 \$ 870902 7.6 710 132.0 25.5 \$ 900122 7.5 1100 649 113.7 34.4 \$ 93017 7.6 930 558 92.1 31.6 \$ 93017 7.7 1060 696 107.3 40.3 \$ 93017 7.7 1060 696 107.3 40.3 \$ 900124 7.8 1010 616 92.9 38.4 \$ 900526 7.4 1120 698 124.0 29.0 \$ 900129 7.3 320 132 5.9 2.2 \$ 880628 6.7 200 118 7.2 2.2 \$ 880629 6.7 200 144 8.7 10.8 \$ 930118 7.2 240 123 7.5 3.2 \$ 930122 7.2 240 123 7.5	7.8		53.0	28.0	0.79	1.6	209.7	116.0	75.0	1.0		0.2	250
S 850703 5.7 990 725 83.3 38.5 S 870715 8.0 1120 710 132.0 25.5 S 870902 7.6 76 132.0 25.5 S 990122 7.5 1100 649 113.7 34.4 S 930117 7.6 930 558 92.1 31.6 S 930124 7.8 1010 616 92.9 38.4 S 990519 7.7 1060 696 107.3 40.3 S 990526 7.4 1120 616 92.9 38.4 S 990526 7.4 1100 698 124.0 29.0 S 890526 7.4 1100 698 124.0 29.0 S 890628 6.7 200 118 7.2 2.2 S 930118 7.2 240 123 7.5 13.8 S 930222 7.2 240 123 7.5 S 930113	7.4		49.7	17.0	70.8	3.8	190.2	77.0	81.0	2.0		0.2	196
S 870715 8.0 1120 710 132.0 25.5 S 870902 7.6 756 138.7 19.7 S 900122 7.5 1100 649 113.7 34.4 S 930117 7.6 930 558 92.1 31.6 S 930124 7.8 1010 646 92.9 38.4 S 990526 7.4 1120 745 119.0 43.1 S 990526 7.4 1100 698 124.0 29.0 S 860703 7.5 210 72 22.2 S 880628 6.7 200 118 7.2 2.2 S 930118 7.2 210 122 7.5 1.3 S 930222 7.2 240 144 8.7 10.8 S 930118 7.2 240 123 7.5 S 930113 7.1	2.7		83.3	38.5	69.2	2.6	217.0	241.0	67.0	4.5		0.2	388
S 870902 7.6 756 138.7 19.7 S 900122 7.5 1100 649 113.7 34.4 S 930117 7.6 930 558 92.1 31.6 S 931019 7.7 1060 696 107.3 40.3 S 960124 7.8 1010 616 92.9 38.4 S 990526 7.4 1120 745 119.0 43.1 S 990526 7.4 1100 698 124.0 29.0 S 860703 7.5 210 745 119.0 43.1 S 860718 7.2 210 122 7.5 1.3 S 93018 7.2 240 144 8.7 10.8 S 93018 7.2 240 123 7.5 3.2 S 93018 7.1 220 131 7.5 3.2 S	8.0		132.0	25.5	58.0	2.5	217.0	303.0	46.8	7.9		0.4	434
S 900122 7.5 1100 649 113.7 34.4 S 930117 7.6 930 558 92.1 31.6 S 931019 7.7 1060 696 107.3 40.3 S 960124 7.8 1010 616 92.9 38.4 S 990559 7.4 1120 745 119.0 43.1 S 990526 7.4 1100 698 124.0 29.0 S 860703 7.5 210 132 5.9 2.2 S 800129 7.3 320 118 7.2 2.2 S 930118 7.2 240 144 8.7 10.8 S 930122 7.2 240 144 8.7 10.8 S 930148 7.5 220 131 7.5 3.2 S 930149 7.1 220 139 12.3 7.5 S 870902 7.1 420 300 43.4 7.9 S	9.7		138.7	19.7	61.2	4.7	211.9	288.8	57.2	8.9		8.0	428
S 930117 7.6 930 558 92.1 31.6 S 931019 7.7 1060 696 107.3 40.3 S 960124 7.8 1010 616 92.9 38.4 S 990519 7.4 1120 745 119.0 43.1 S 990526 7.4 1100 698 124.0 29.0 S 880628 6.7 200 132 5.9 2.2 S 900129 7.3 320 118 7.2 2.2 S 930122 7.2 240 144 8.7 10.8 S 930222 7.2 240 144 8.7 10.8 S 930124 7.5 220 131 7.5 3.2 S 960124 7.5 220 131 7.5 3.2 S 960143 7.1 220 139 12.3 7.5 S 870902 7.1 420 300 43.4 7.9 S <td>7.5</td> <td></td> <td>113.7</td> <td>34.4</td> <td>58.6</td> <td>2.7</td> <td>274.3</td> <td>235.6</td> <td>52.1</td> <td>11.9</td> <td></td> <td>0.7</td> <td>426</td>	7.5		113.7	34.4	58.6	2.7	274.3	235.6	52.1	11.9		0.7	426
\$ 931019 7.7 1060 696 107.3 40.3 \$ 960124 7.8 1010 616 92.9 38.4 \$ 990519 7.4 1120 745 119.0 43.1 \$ 990526 7.4 1100 698 124.0 29.0 \$ 850703 7.5 210 132 5.9 2.2 \$ 880628 6.7 200 118 7.2 2.2 \$ 930118 7.2 210 122 7.5 1.3 \$ 930222 7.2 240 144 8.7 10.8 \$ 930124 7.5 220 131 7.5 1.9 \$ 960124 7.5 220 131 7.5 3.2 \$ 960124 7.5 220 131 7.5 3.2 \$ 960124 7.5 220 131 7.5 3.2 \$ 870902 7.1 420 300 43.4 7.9 \$ 881012 6.8 210 124 10.1 3.9 \$ 60040 7.7 420 300<	9.7		92.1	31.6	52.8	2.3	190.3	212.6	67.3	21.2		0.3	360
S 960124 7.8 1010 616 92.9 38.4 S 990519 7.4 1120 745 119.0 43.1 S 990526 7.4 1100 698 124.0 29.0 S 850703 7.5 210 132 5.9 2.2 S 880628 6.7 200 118 7.2 2.2 S 900129 7.3 320 182 22.9 7.1 S 930118 7.2 240 144 8.7 10.8 S 930122 7.2 240 123 7.7 1.9 S 930148 7.2 240 123 7.7 1.9 S 960124 7.5 220 131 7.5 3.2 S 96014 7.1 220 139 12.3 7.5 S 870902 7.1 420 300 43.4 7.9 S <td>7.7</td> <td></td> <td>107.3</td> <td>40.3</td> <td>9.59</td> <td>2.6</td> <td>226.9</td> <td>298.1</td> <td>50.1</td> <td>19.3</td> <td></td> <td>0.7</td> <td>434</td>	7.7		107.3	40.3	9.59	2.6	226.9	298.1	50.1	19.3		0.7	434
S 990519 7.4 1120 745 1190 43.1 S 990526 7.4 1100 698 124.0 29.0 S 860703 7.5 210 132 5.9 2.2 S 800628 6.7 200 118 7.2 2.2 S 900129 7.3 320 182 22.9 7.1 S 930118 7.2 240 144 8.7 10.8 S 930122 7.2 190 123 7.7 1.9 S 960124 7.5 220 131 7.5 3.2 S 990113 7.1 220 131 7.5 3.2 S 870902 7.1 420 300 43.4 7.9 S 881012 6.8 210 124 10.1 3.9 S 881012 6.8 210 124 10.1 3.9	7.8		92.9	38.4	64.6	5.6	207.4	244.8	48.7	24.2		0.2	330
S 990526 7.4 1100 698 124.0 29.0 S 860703 7.5 210 132 5.9 2.2 S 880628 6.7 200 118 7.2 2.2 S 900129 7.3 320 182 22.9 7.1 S 930118 7.2 240 144 8.7 10.8 S 930222 7.2 190 123 7.7 1.9 S 960124 7.5 220 131 7.5 3.2 S 990113 7.1 220 139 12.3 7.5 S 870902 7.1 420 300 43.4 7.9 S 881012 6.8 210 124 10.1 3.9	7.4		119.0	43.1	59.2	2.9	208.0	361.0	48.0	9.5		0.3	414
\$850703 7.5 210 132 5.9 2.2 \$880628 6.7 200 118 7.2 2.2 \$900129 7.3 320 182 22.9 7.1 \$930118 7.2 240 144 8.7 10.8 \$930222 7.2 240 144 8.7 10.8 \$930124 7.5 220 131 7.5 3.2 \$90113 7.1 220 131 7.5 3.2 \$870902 7.1 420 300 43.4 7.9 \$881012 6.8 210 124 10.1 3.9	7.4		124.0	29.0	65.0	2.6	223.0	312.0	47.9	8.1		0.2	428
\$880628 6.7 200 118 7.2 2.2 \$800129 7.3 320 182 22.9 7.1 \$930148 7.2 240 144 8.7 10.8 \$930222 7.2 240 144 8.7 10.8 \$930124 7.5 220 131 7.5 3.2 \$90113 7.1 220 139 12.3 7.5 \$ 870916 7.3 160 10.4 1.1 \$ 881012 6.8 210 124 10.1 3.9 \$ 600432 7.3 7.0 7.0 7.0 7.0	7.5		5.9	2.2	33.5	1.3	23.2	4.7	33.4	26.9		0.1	28
\$ 900129 7.3 320 182 22.9 7.1 \$ 930118 7.2 210 122 7.5 1.3 \$ 930222 7.2 240 144 8.7 10.8 \$ 930124 7.2 190 123 7.7 1.9 \$ 960124 7.5 220 131 7.5 3.2 \$ 990113 7.1 220 139 12.3 7.5 \$ 870902 7.1 420 300 43.4 7.9 \$ 881012 6.8 210 124 10.1 3.9 \$ 600432 7.2 7.0 7.0 7.2	6.7		7.2	2.2	30.9	1.5	24.1	3.6	30.9	28.5	•	<0.1	24
S 930118 7.2 210 122 7.5 1.3 S 930222 7.2 240 144 8.7 10.8 S 931018 7.2 190 123 7.7 1.9 S 960124 7.5 220 131 7.5 3.2 S 990113 7.1 220 139 12.3 7.5 S 870716 7.3 160 10.4 1.1 S 870902 7.1 420 300 43.4 7.9 S 881012 6.8 210 124 10.1 3.9 D 7.2 7.2 7.0 7.7 7.7	7.3		22.9	7.1	33.7	1.7	52.2	53.0	34.8	26.6	·	<0.1	98
S 930222 7.2 240 144 8.7 10.8 S 931018 7.2 190 123 7.7 1.9 S 960124 7.5 220 131 7.5 3.2 S 990113 7.1 220 139 12.3 7.5 S 870716 7.3 160 10.4 1.1 S 870902 7.1 420 300 43.4 7.9 S 881012 6.8 210 124 10.1 3.9 D 7.2 7.2 7.2 7.2 7.2	7.2		7.5	1.3	32.0	1.2	22.9	7.4	31.8	31.2		0.1	24
S 931018 7.2 190 123 7.7 1.9 S 960124 7.5 220 131 7.5 3.2 S 990113 7.1 220 139 12.3 7.5 S 870716 7.3 160 10.4 1.1 S 870902 7.1 420 300 43.4 7.9 S 881012 6.8 210 124 10.1 3.9 S 600432 7.2 7.2 7.2 7.7	7.2		8.7	10.8	29.7	1.	73.2	3.3	29.5	30.9		0.1	99
S 960124 7.5 220 131 7.5 3.2 S 990113 7.1 220 139 12.3 7.5 S 870716 7.3 160 10.4 1.1 S 870902 7.1 420 300 43.4 7.9 S 881012 6.8 210 124 10.1 3.9 S 60432 7.2 420 26.4 20.2 46.7	7.2		7.7	1.9	32.6	1.2	40.5	4.7	27.5	27.0	Ĭ	<0.1	27
S 990113 7.1 220 139 12.3 7.5 S 870716 7.3 160 10.4 1.1 S 870902 7.1 420 300 43.4 7.9 S 881012 6.8 210 124 10.1 3.9 S 600432 7.3 7.0 7.0 7.7	7.5		7.5	3.2	34.0	1.5	39.0	3.8	28.9	35.9		0.1	32
S 870716 7.3 160 10.4 1.1 S 870902 7.1 420 300 43.4 7.9 S 881012 6.8 210 124 10.1 3.9	7.1		12.3	7.5	23.9	1.0	49.2	6.8	29.5	33.4		0.1	62
S 870902 7.1 420 300 43.4 7.9 S 881012 6.8 210 124 10.1 3.9	7.3		10.4	[23.7	1.1	22.8	2.4	28.5	28.1		0.1	30
S 881012 6.8 210 124 10.1 3.9	7.1	•	43.4	7.9	33.7	2.0	67.1	96.9	30.3	21.5		0.1	143
000422 72 420 254 222 467	6.8		10.1	3.9	28.2	3.0	70.1	<1.0	31.3	<1.0	·	<0.1	41
3 300122 7.2 430 234 32.2 16.7	7.2	•	32.2	16.7	31.9	1.6	98.6	67.4	31.7	23.1	·	. 0.1	149

EC: Electrical Conductivity in umbos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3; Bicarbonate, SO2; Sulfate, Cl: Chloride, NO3; Nitrate, B. Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	Date	Ī	E.	TDS@180°C	5	M	Z	7	E	0	5	2	α	<u></u>	Total Hard
State Well No	sp/om/ax	. E	1 <u>a</u>	// Da	7 / 2	n 7	7/04	1/0	5 7	2 2	5 8		_		יומון ומוט-
State Well No.	ymmoraa	gg	igD.	IIIg/L	1/6	IIIB/L	IIIg/L	1/611	IIIg/L	1/6III	mg/L	mg/L I n	mg/L I n	mg/L	IIESS, IIIg/L
11N/35W-24L02 S	930117	7.1	260	174	14.4	3.4	40.7	1.	28.3	22.6	51.7	28.3		0.2	50
11N/35W-24L02 S	930301	6.7	210	113	9.6	2.9	25.8	1.1	23.4	6.1	31.9	25.7		0.1	36
11N/35W-24L02 S	930420	8.9	240	138	10.9	3.1	32.5	4.1	32.2	16.2	30.8	27.4	·	<0.1	40
11N/35W-24L02 S	931019	7.4	390	219	27.2	9.7	35.3	4.	92.2	52.4	26.1	21.7	·	<0.1	108
11N/35W-24L02 S	960124	9.7	310	188	18.1	7.1	34.2	4.	58.6	37.0	32.2	31.5		0.1	74
11N/35W-24L02 S	990113	7.3	605	371	60.4	20.0	34.2	1.7	84.8	155.0	35.5	22.2		0.1	203
11N/35W-24L03 S	910801	7.5	520	298	43.9	11.3	38.3	1.6	85.4	106.6	34.4	26.6	•	<0.1	156
11N/35W-24L03 S	931019	7.6	910	282	94.4	31.8	54.9	2.3	158.1	278.6	33.9	12.8		9.0	366
11N/35W-24L03 S	960124	7.6	780	208	6.92	27.2	57.7	2.4	146.4	212.6	36.7	26.1		0.2	304
11N/35W-24L03 S	609066	7.6	1000	989	116.0	31.5	52.4	2.6	183.0	296.0	39.2	14.2		0.1	390
11N/36W-12C01 S	760108	7.7	1194	925	130.0	47.0	74.0	3.6	209.7	438.0	39.0).16	0.4	518
11N/36W-12C01 S	760608	8.0	1209	920	139.0	47.0	72.0	3.5	219.5	439.0	40.0		0.14	0.7	540
11N/36W-12C01 S	960326	8.6	1260	962	136.0	49.0	70.0	4.7	207.3	474.0	38.4).25		
11N/36W-12C02 S	760108	7.8	1376	1043	141.0	0.09	88.0	4.2	251.2	505.0	45.0		.17	9.0	299
11N/36W-12C02 S	760608	7.7	1258	1015	129.0	52.0	90.0	4.6	184.1	488.0	48.0		.16	0.5	536
11N/36W-12C02 S	960326	8.1	1451	1090	150.0	52.1	80.0	5.2	246.3	552.0	46.2		.27		
	760108	10.9		357	46.0	1.0	82.0	3.4	143.9	81.0	54.0	29.0	00.	6.0	119
	760608	7.8	1170	813	89.0	43.0	98.0	5.9	292.6	235.0	94.0		.24	0.4	399
	960326	8.1	1230	790	9.96	50.8	92.0	0.9	317.0	246.0	91.0		.32		
	620821	7.0	236	155	7.0	3.0	35.0	1.0	31.7	4.0	25.0		.02	0.1	30
	640414	6.2	205	174	8.0	2.0	36.0	1.0	36.6	4.0	23.0		70.0	0.2	28
12N/35W-29R01 S	640618	7.4	240	177	8.0	2.0	34.0	1.0	28.0	3.0	27.0		0.13	0.1	28
12N/35W-29R03 S	691008	7.7	252	117	7.0	3.0	37.0	0.0	50.0	8.0	26.0		.04	0.2	30
	711026	7.0	244	155	4.0	4.0	37.0	1.0	46.3	10.0	26.0		0.04	0.1	25
\equiv	671102	7.8	296	487	55.0	31.0	68.0	3.0	225.6	106.0	81.0		80.	0.3	265
	960408	6.8	200	480	52.0	27.0	70.0		195.1	21.0	70.0	8.8		0.2	240
12N/35W-32P01 S	640619	7.6	370	210	13.0	4.0	65.0	2.0	63.4	11.0	76.0	_	0.15	0.2	49
5	671101	7.4	380	216	0.9	4.0	58.0	2.0	46.3	9.0	0.69	_	.02	0.1	32
12N/35W-32Q S	950202	9.9	340	220	6.5	4.1	53.0	1.0	39.0	12.0	65.0	30.0		nd	33
12N/35W-32R02 S	930317	7.3	740	450	50.0	28.0	51.0	3.0	270.0	84.0	61.0	8.0		0.3	110
12N/35W-32R02 S	960414	7.4	640	460	53.0	28.0	53.0		180.0	0.09	64.0	9.7		0.2	250
12N/35W-32R04 S	910918	6.9	624	355	32.0	18.0	49.0	1.6	137.0	48.0	62.0	19.0		0.2	156
12N/35W-32R04 S	941205	9.9	530	380	45.0	25.0	50.0	2.2	150.0	65.0	63.0	13.0		0.1	
12N/35W-32R04 S	980317	7.3	360	290	18.0	11.0	55.0	1.8	90.0	28.0	59.0	25.0		0.0	88
12N/35W-33B02 S	671031	8.1	534	327	32.0	14.0	53.0	3.0	146.3	36.0		-	0.00	0.1	136

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3; Bicarbonate, SO4; Sulfate, Ct: Chloride, NO3; Nitrate, B. Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

10 28.0 2.0 29.3 3.0 46.0 17.0 0.04 0.0 10 28.0 2.0 29.4 4.0 44.0 17.0 0.04 0.0 10 28.0 2.0 24.4 4.0 44.0 17.0 0.04 0.0 10 28.0 2.0 24.4 4.0 44.0 17.0 0.04 0.0 10 44.0 2.0 22.4 4.0 44.0 17.0 0.00 0.1 10 44.0 2.0 22.4 4.0 44.0 17.0 0.00 0.1 10 44.0 2.0 2.0 48.0 48.0 48.0 0.0 0.0 10 44.0 2.0 26.0 90 51.0 44.0 0.0 0.1 10 44.0 2.0 36.4 4.1 41.0 59.0 0.0 0.0 0.1 0.0 0.1 0.0 0.1 0.0 0.1		Date	Hd	S	TDS@180°C	Sa	Mg	Na	\times	HCO3	SO ₂	5	őN	В	Ι	Total Hard-
6 40618 7.1 244 206 8.0 5.0 29.0 29.3 3.0 46.0 17.0 0.0 0.1 5.8 47031 7.0 229 558 8.10 6.0 28.0 2.0 24.4 4.0 17.0 0.0 0.1 5.8 817031 7.2 66.0 42.0 2.9 24.4 4.0 17.0 0.0 0.1 5.8 817106 8.2 84.3 18.0 60.0 17.7 0.0 0.4 4.0 17.0 0.0 0.1 0.4 4.0 17.0 0.0 0.0 0.4 4.0 17.0 0.0 0.0 0.4 4.0 17.0 0.0 0.1 0.4 0.0 0.1 0.0 0.4 0.0 0.0 0.1 0.0 0.0 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	State Well No.	yr/mo/da	ap	gp	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ness, mg/L
S FFTTO14 TA 229 162 4.0 6.0 28.0 2.0 24.4 4.0 17.0 0.00 0.1 S FTTO14 8.1 387 559 8.0 45.0 2.1 29.4 4.0 17.0 0.00 0.4 0.0 17.0 0.0 0.4 0.0 17.0 0.0 0.4 0.0 0.0 17.0 0.0 0.4 0.4 0.0 0.4 0.0 0.4 0.0 0.4 0.0 0.4 0.0 0.0 0.4 0.0 0.0 0.4 0.0 0.0 0.4 0.0 0.0 0.4 0.0 0.0 0.4 0.0 0.0 0.4 0.0		640618	7.1	244	206	8.0	5.0	28.0	2.0	29.3	3.0	46.0	17.0	0.04	0.0	41
S T77014 8.1 937 558 81.0 46.0 42.0 2.1 291.4 177.0 58.0 292.0 0.4 2.2 34.3 18.0 6.0 177.0 0.4 4.0 2.9 34.3 18.0 6.0 177.0 0.4 4.0 2.0 18.0 18.0 2.0 0.0 177.0 0.0 0.4 4.0 18.0 8.0 17.0 0.0 177.0 0.0 0.4 4.0 1		671031	7.0	229	162	4.0	6.0	28.0	2.0	24.4	4.0	44.0	17.0	0.00	0.1	35
S 811021 7.9 742 661 92.0 56.0 44.0 29 343.8 188.0 67.1 70.0 0.4 S 8111062 8.2 4842 27.7 44.0 45.0 2.0 22.1 17.5 64.0 15.0 0.0 0.4 S 771106 8.2 4842 27.7 44.0 46.0 2.0 12.2 45.0 15.0 66.0 15.0 0.0 0.2 S 771044 6.9 2.2 1.2 31.7 3.0 60.0 9.0 17.1 0.0 0.0 0.0 S 771044 6.9 2.2 1.0 2.0 2.0 9.		771014	8.1	937	558	81.0	46.0	42.0	2.1	291.4	137.0	58.0	29.2	0.03	0.4	391
S 871105 8.2 843 579 61.0 56.0 450.0 29.1 175.0 64.0 153.0 0.4 15 871105 8.0 442 271 440 14.0 440 1.0 12.0 102.4 6.0 15.0 14.0 0.0	12N/35W-33J02 S	811021	7.9	742	661	92.0	56.0	44.0	2.9	343.8	168.0	0.09	17.7	0.00	0.4	460
18 871105 8.0 442 271 24.0 140.4 46.0 20.1 102.4 26.0 66.0 13.0 66.0 33.0 35.0 12.0 36.0 36.0 36.0 36.0 36.0 41.0 46.0 20.0 66.0 48.0 41.0 46.0 20.0 40.0 60.0	12N/35W-33J02 S	871105	8.2	843	579	61.0	26.0	45.0	2.9	251.2	175.0	64.0	15.3	0.10	0.4	382
2 S 761004 7.4 256 133 6.6 3.3 3.5.0 1.2 3.5 48.0 14.0 0.02 0.1 1 S 671014 7.4 2.56 1.0 3.6 2.0 5.0 9.0 5.1 4.0 0.0 0.1 1 S 671016 6.9 2.27 1.32 7.0 2.8 3.0 9.0 5.1 4.1 4.1 5.0 0.0 0.1 4.0 0.0 0.1 4.0 0.0 0.0 0.1 0.0 0.0 0.1 1.0 0.0 5.0 9.0 6.1 4.1	12N/35W-33M01 S	871105	8.0	442	271	24.0	14.0	46.0	2.0	102.4	26.0	0.99	19.5	0.00	0.2	118
S S S S S S S S S S	12N/35W-33Q02 S	761004	7.4	256	133	9.9	3.3	35.0	1.2	31.7	3.5	48.0	14.0	0.02	0.1	30
S 777014 6.6 3.86 2.50 120.0 7.0 44.0 2.0 36.6 4.0 76.0 20.0 0.0 0.1 S 777014 6.6 2.27 132 7.0 2.8 31.0 0.9 35.4 4.1 4.10 5.9 0.0 0.1 S 777014 6.9 2.27 132 7.0 2.8 31.0 0.9 35.4 4.1 4.10 5.9 0.0 0.1 S 760606 7.9 1212 9.96 130.0 48.0 72.0 35.2 223.1 423.0 38.0 0.6 0.15 0.1 S 760608 7.9 1212 9.96 130.0 44.0 118.0 6.6 392.6 148.0 126.0 0.0 0.1 S 760608 7.9 1212 9.95 130.0 44.0 118.0 6.6 392.6 148.0 126.0 0.0 0.1 S 760608 7.9 1200 772 85.8 35.8 130.0 8.7 390.1 148.0 127.0 0.0 0.1 S 760608 7.9 1700 1350 170.0 84.0 94.0 44.0 148.0 127.0 0.0 0.0 0.1 S 770405 7.0 1824 1472 206.0 94.0 94.0 37.0 200.2 66.0 74.0 170.0 0.0 S 75041 7.7 1684 1472 206.0 94.0 94.0 329.2 685.0 83.0 10.7 0.28 0.4 S 75041 7.7 1684 1472 206.0 94.0 94.0 329.2 685.0 83.0 10.7 0.28 0.4 S 75041 7.7 1684 1472 206.0 94.0 94.0 239.2 685.0 83.0 10.0 0.23 0.4 S 75041 7.7 1684 1472 206.0 94.0 94.0 239.2 685.0 30.0 12.0 0.1 S 75041 7.7 1684 1472 206.0 94.0 94.0 239.2 685.0 30.0 12.0 0.1 S 75041 7.7 1684 1472 1400 197.0 98.0 40.0 239.2 697.0 0.0 0.2 0.1 S 75041 7.8 1891 1885 21.2 89.0 94.0 229.2 697.0 20.0 0.2 0.2 S 661019 8.3 1990 1460 155.0 190.0 40.0 326.0 97.0 10.0 0.2 0.4 S 661019 8.3 1990 1460 24.0		671103	7.3	293	181	9.0	7.0	36.0	2.0	50.0	9.0	51.0	14.0	0.00	0.1	52
S 771014 6.9 227 132 7.0 2.8 31.0 9.9 35.4 4.1 41.0 5.9 0.0 0.1 S 771014 6.9 227 132 7.0 2.8 31.0 1.5 34.1 3.0 59.0 260 0.0 0.1 S 760608 7.9 1122 94.0 47.3 6.0 3.5 2.2.3 4.0 7.0 0.0 0.1 S 760608 8.0 1301 820 94.0 4.4 118.0 6.2 3.2.3 4.0 0.0 0.3 0.0 S 760608 8.0 1301 820 94.0 4.4 118.0 6.2 12.0 1.0 0.0		620821	9.9	368	250	120.0	7.0	44.0	2.0	36.6	4.0	76.0	20.0	0.00	0.1	329
8 91105 7.4 281 183 9.0 41.0 1.5 34.1 3.0 59.0 26.0 0.0 0.1 8 7,1056 7.9 112 936 130.0 48.0 72.0 3.5 232.0 48.0 35.0 20.0 0.0 0.1 8 760608 8.0 100 88.2 124.0 44.7 36.0 4.8 232.9 48.0 35.0 20.0 0.0 0.1 8 960326 7.8 1301 88.2 124.0 44.7 36.0 4.8 32.9 48.0 12.0 0.0 0.1 18 500326 7.8 1290 44.7 36.0 4.8 12.0 4.0		771014	6.9	227	132	7.0	2.8	31.0	0.9	35.4	4.1	41.0	5.9	0.03	0.1	29
S 760608 7.9 1212 936 130.0 48.0 72.0 3.5 223.1 423.0 38.0 0.6 0.15 0.7 S 760608 7.8 1100 882 124.0 47.3 66.0 4.8 232.9 408.0 35.0 0.0 0.24 S 760608 8.0 1301 85.2 35.8 130.0 8.7 390.1 148.0 126.0 0.0 0.24 S 760608 8.0 130.0 85.0 94.0 14.0 148.0 126.0 0.0 0.24 S 570405 7.8 1740 85.0 94.0 94.0 4.0 20.0 60.0 7.4 0.0 0.0 S 570405 7.2 1740 85.0 94.0 94.0 4.0 20.0 60.0 7.4 17.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		871105	7.4	281	183	9.0	5.0	41.0	1.5	34.1	3.0	59.0	26.0	0.00	0.1	43
S 960326 7.8 1100 882 124.0 47.3 66.0 4.8 232.9 408.0 35.0 2.0 0.24 S 760608 8.0 1301 85.2 34.0 44.0 118.0 66 392.6 184.0 126.0 0.0 0.0 0.0 0.0 S 760608 8.0 1301 85.0 94.0 44.0 180.0 6.0 177.0 0.0 0.		760608	7.9	1212	936	130.0	48.0	72.0	3.5	223.1	423.0	38.0	9.0	0.15	0.7	521
S 760608 8.0 1301 820 94,0 44,0 118.0 6.6 392.6 184,0 1200 772 85.8 35.8 130.0 87.7 390.1 148.0 127.0 0.0 0.0 0.36 0.5 Iby 4.0 18.0 35.8 130.0 87.2 390.1 148.0 127.0 0.0 0.0 0.36 0.5 S 520425 1710 1350 175.0 98.0 3.7 320.7 60.0 7.4 0.1 0.0 0.5 0.0 0.5 0.5 0.0 0.5 0.0 0.5 0.5 0.0 0.5 0.0 0.5 0.0 0.5 0.0 0.5 0.0 0.5 0.0 0.5 0.0 0.5 0.0 0.5 0.0 0.0 0.5 0.5 0.0 0.0 0.5 0.0 0.5 0.0 0.0 0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0		960326	7.8	1100	882	124.0	47.3	0.99	4.8	232.9	408.0	35.0	2.0	0.24		
Main and Paris Main and and and and and and and and and an		760608	8.0	1301	820	94.0	44.0	118.0	9.9	392.6	184.0	126.0	0.0	0.36	0.5	414
1894 1710 1350 1710 1350 196.0 4.5 312.1 660.0 60.0 60.0 1710 1350 175.0 88.0 98.0 3.7 320.7 68.0 69.0 67.0		960326	7.8	1290	772	85.8	35.8	130.0	8.7	390.1	148.0	127.0	<0.2	0.50		
520425 1710 191.0 85.0 96.0 4.5 312.1 660.0 60.0 S 570405 1740 1350 175.0 84.0 94.0 93.7 37.2.7 60.0 7.4 0.17 0.0 S 570405 1740 1350 175.0 88.0 94.0 99.0 3.7 320.7 60.0 7.4 0.1 S 570405 7.2 1824 1167 216.0 86.0 10.1 4.0 329.2 695.0 83.0 96.0 5.0 309.7 709.0 66.0 7.4 0.1 0.0 S 50421 7.7 1684 1291 190.0 83.0 96.0 4.0 329.7 709.0 66.0 7.4 0.1 0.0 S 50421 7.7 1684 1291 190.0 83.0 96.0 4.0 235.7 690.0 7.4 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0<	Santa Maria Vallev															
S 570405 77.0 70.0	10N/35W-04C01 S	520425		1710		1910	85.0	080	4.5	3121	0 089	009				900
S 57121 7.5 17.0 1350 17.0 97.0 <		570405		1740		2000	0.00	000		320.7	9	0.00				020
S 580507 7.2 170 17		571121	7.5	1710	1350	175.0) (0.00	; <	200.7	0 002	0.00	,	,	ć	910
Sections 7.2 102.4 110.7 210.0 96.0 5.0 309.0 63.0 10.7 0.3 Septimity 7.8 1694 1472 206.0 91.0 96.0 5.0 309.7 709.0 68.0 12.0 0.16 0.8 Septimity 7.3 1831 1385 212.0 83.0 91.0 4.0 235.3 706.0 76.0 11.0 0.20 0.0 Septimity 7.3 1831 1385 212.0 89.0 4.0 326.7 687.0 76.0 11.0 0.20 0.7 Septimity 7.3 1887 1581 221.0 99.0 4.0 348.7 721.0 74.0 120.0 0.1 0.0 0.2 0.0		580507	5 6	707	1467	2.0.0	0.00	5 5	5 d	2.102	0.807	0.00	4. 7	7 . 0	0.0	667
S 590421 7.7 1684 1472 200.0 91.0 96.0 5.0 309.7 709.0 68.0 12.0 0.16 0.8 S 590421 7.7 1684 1291 190.0 83.0 98.0 4.0 235.3 706.0 76.0 11.0 0.23 0.4 S 590911 7.3 1831 1385 212.0 89.0 91.0 4.0 236.7 687.0 76.0 11.0 0.23 0.4 S 620614 8.0 1770 1480 155.0 119.0 84.0 4.0 326.7 687.0 72.0 110 0.2 S 650709 7.9 1887 1581 221.0 97.0 40.0 246.0 40.0 276.0 72.0 120 0.0 S 661019 8.3 1920 1460 245.0 54.0 90.0 4.0 276.8 780.0 770.0 10.0 0.0		504440	- L	1024	110/	0.012	00.0	0.101	0.4 r	329.2	0.000	83.0	70.7	0.58	4.0	893
S 590421 7.7 1684 1291 190.0 83.0 98.0 4.0 235.3 706.0 76.0 10.0 0.23 0.4 S 590911 7.3 1831 1385 212.0 89.0 91.0 4.0 320.7 687.0 74.0 11.0 0.20 0.7 S 620614 8.0 1770 1480 155.0 119.0 84.0 4.0 306.0 695.0 70.0 12.0 0.2 S 650709 7.9 1887 1581 221.0 97.0 99.0 4.0 306.0 695.0 70.0 12.0 0.2 S 65100 7.9 1776 1400 197.0 99.0 4.0 276.8 708.0 69.0 20.0 0.2 S 661019 8.3 1920 1460 247.0 99.0 4.0 276.8 708.0 69.0 20.0 0.2 S 680503 7.8 1746 1424 151.0 92.0 106.0 4.0		581119	8.	1694	1472	206.0	91.0	96.0	2.0	309.7	709.0	0.89	12.0	0.16	0.8	889
S 590911 7.3 1831 1385 212.0 89.0 91.0 4.0 320.7 687.0 74.0 11.0 0.20 0.7 S 620614 8.0 1770 1480 155.0 119.0 84.0 4.0 306.0 695.0 70.0 12.0 0.23 0.4 S 620709 7.9 1887 1581 221.0 97.0 99.0 4.0 348.7 721.0 74.0 19.0 0.2 S 650709 7.9 1776 1400 197.0 89.0 98.0 4.0 276.8 708.0 69.0 0.2 0.0 0.2 0.0 0	_	590421	7.7	1684	1291	190.0	83.0	98.0	4.0	235.3	706.0	76.0	10.0	0.23	0.4	816
S 620614 8.0 1770 1480 155.0 119.0 84.0 4.0 306.0 695.0 70.0 12.0 0.23 0.4 S 650709 7.9 1887 1581 221.0 97.0 99.0 4.0 348.7 721.0 74.0 190.0 0.21 0.6 S 650709 7.9 1776 1400 197.0 89.0 98.0 4.0 276.8 708.0 69.0 0.2 0.2 0.2 0.0		590911	7.3	1831	1385	212.0	89.0	91.0	4.0	320.7	687.0	74.0	11.0	0.20	0.7	968
S 650709 7.9 1887 1581 221.0 97.0 99.0 4.0 348.7 721.0 74.0 19.0 0.21 0.6 S 651108 7.9 1776 1400 197.0 89.0 98.0 4.0 276.8 708.0 69.0 20.0 0.28 0.7 S 661019 8.3 1920 1460 245.0 54.0 99.0 4.0 297.5 691.0 72.0 16.0 0.20 0.7 S 670523 7.8 1746 1424 151.0 92.0 106.0 4.0 297.5 691.0 72.0 16.0 0.20 S 680503 7.6 1486 1542 224.0 95.0 100.0 4.0 338.9 741.0 73.0 16.3 0.2 0.8 S 710913 7.8 1752 1420 191.0 90.0 93.0 27.0 270.2 17.0 10.0 0.8 <th< td=""><td>_</td><td>620614</td><td>8.0</td><td>1770</td><td>1480</td><td>155.0</td><td>119.0</td><td>84.0</td><td>4.0</td><td>306.0</td><td>695.0</td><td>70.0</td><td>12.0</td><td>0.23</td><td>4.0</td><td>877</td></th<>	_	620614	8.0	1770	1480	155.0	119.0	84.0	4.0	306.0	695.0	70.0	12.0	0.23	4.0	877
S 651108 7.9 1776 1400 197.0 89.0 98.0 4.0 276.8 708.0 69.0 20.0 0.28 0.7 S 661019 8.3 1920 1460 245.0 54.0 99.0 4.0 297.5 691.0 72.0 16.0 0.20 S 670523 7.8 1746 1424 151.0 92.0 106.0 4.0 229.2 635.0 97.0 8.5 0.20 S 680503 7.6 1746 152.0 95.0 109.0 4.0 245.0 752.0 77.0 17.0 0.20 0.8 S 680920 7.6 1886 1542 223.0 94.0 100.0 4.0 338.9 741.0 73.0 16.3 0.2 S 710913 7.8 1752 1420 191.0 90.0 93.0 27 290.2 674.0 87.0 17.0 17.0 17.0 17.0 17.0	_	620209	7.9	1887	1581	221.0	97.0	99.0	4.0	348.7	721.0	74.0	19.0	0.21	9.0	951
S 661019 8.3 1920 1460 245.0 54.0 99.0 4.0 297.5 691.0 72.0 16.0 0.20 S 670523 7.8 1746 1424 151.0 92.0 106.0 4.0 229.2 635.0 97.0 8.5 0.23 0.5 S 680503 8.3 1960 1600 224.0 95.0 109.0 4.0 345.0 752.0 77.0 17.0 0.20 0.4 S 680920 7.6 1886 1542 223.0 94.0 100.0 4.0 345.0 752.0 77.0 10.2 0.8 S 710913 7.8 1752 1420 191.0 90.0 93.0 27 290.2 674.0 87.0 192.0 87.0 95.0 33.4 641.0 72.0 21.8 0.2 0.6 S 750309 8.0 1670 81.0 108.0 3.9 156.1 662.0	_	651108	7.9	1776	1400	197.0	89.0	98.0	4.0	276.8	708.0	69.0	20.0	0.28	0.7	858
S 670523 7.8 1746 1424 151.0 92.0 106.0 4.0 229.2 635.0 97.0 8.5 0.23 0.5 S 680503 8.3 1960 1600 224.0 95.0 109.0 4.0 345.0 752.0 73.0 17.0 0.20 0.4 S 680920 7.6 1886 1542 223.0 94.0 100.0 4.0 338.9 741.0 73.0 16.3 0.20 0.8 S 710913 7.8 1752 1420 191.0 90.0 93.0 2.7 290.2 674.0 87.0 195.0 0.6 S 720309 8.0 1670 1377 192.0 87.0 95.0 3.9 156.1 641.0 72.0 21.8 0.20 0.6 S 77020 1780 1780 1870 83.0 93.0 3.9 156.1 640.0 71.0 0.20 0.2 0.6	_	661019	8.3	1920	1460	245.0	54.0	99.0	4.0	297.5	691.0	72.0	16.0	0.20		834
S 680503 8.3 1960 1600 224.0 95.0 109.0 4.0 345.0 752.0 73.0 17.0 0.20 0.4 S 680920 7.6 1886 1542 223.0 94.0 100.0 4.0 338.9 741.0 73.0 16.3 0.20 0.8 S 710913 7.8 1752 1420 191.0 90.0 93.0 2.7 290.2 674.0 87.0 195.0 0.6 S 720309 8.0 1670 137 192.0 87.0 95.0 3.9 156.1 641.0 72.0 21.8 0.20 0.5 S 750515 8.1 168.0 83.0 3.9 156.1 640.0 71.0 0.20 0.5 S 771020 1780 1780 23.0 3.9 640.0 71.0 0.20 0.5		670523	7.8	1746	1424	151.0	92.0	106.0	4.0	229.2	635.0	97.0	8.5	0.23	0.5	756
S 680920 7.6 1886 1542 223.0 94.0 100.0 4.0 338.9 741.0 73.0 16.3 0.20 0.8 S 710913 7.8 1752 1420 191.0 90.0 93.0 2.7 290.2 674.0 87.0 195.0 0.6 S 720309 8.0 1670 1377 192.0 87.0 95.0 3.9 156.1 641.0 72.0 21.8 0.20 0.5 S 750515 8.1 1689 1350 146.0 81.0 108.0 3.9 156.1 662.0 91.0 20.0 0.22 0.6 S 771020 1780 1370 210.0 83.0 93.0 3.9 640.0 71.0 0.20 0.20		680503	8.3	1960	1600	224.0	95.0	109.0	4.0	345.0	752.0	73.0	17.0	0.20	0.4	950
S 710913 7.8 1752 1420 191.0 90.0 93.0 2.7 290.2 674.0 87.0 195.0 0.6 S 720309 8.0 1670 1377 192.0 87.0 95.0 3.9 146.0 641.0 72.0 21.8 0.2 0.5 S 750515 8.1 1689 1350 146.0 81.0 108.0 3.9 156.1 662.0 91.0 20.0 0.22 0.6 S 771020 1780 1370 210.0 83.0 93.0 3.9 640.0 71.0 0.20		680920	9.7	1886	1542	223.0	94.0	100.0	4.0	338.9	741.0	73.0	16.3	0.20	0.8	944
S 720309 8.0 1670 1377 192.0 87.0 95.0 3.9 314.6 641.0 72.0 21.8 0.20 0.5 S 750515 8.1 1689 1350 146.0 81.0 108.0 3.9 156.1 662.0 91.0 20.0 0.22 0.6 S 771020 1780 1370 210.0 83.0 93.0 3.9 640.0 71.0 0.20		710913	7.8	1752	1420	191.0	90.0	93.0	2.7	290.2	674.0	87.0	19.5	0.20	9.0	845
S 750515 8.1 1689 1350 146.0 81.0 108.0 3.9 156.1 662.0 91.0 20.0 0.22 0.6 S 771020 1780 1370 210.0 83.0 93.0 3.9 640.0 71.0 0.20		720309	8.0	1670	1377	192.0	87.0	95.0	3.9	314.6	641.0	72.0	21.8	0.20	0.5	837
S 771020 1780 1370 210.0 83.0 93.0 3.9 640.0 71.0 0.20		750515	8.1	1689	1350	146.0	81.0	108.0	3.9	156.1	662.0	91.0	20.0	0.22	9.0	735
		771020		1780	1370	210.0	83.0	93.0	3.9		640.0	71.0		0.20		860

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3: Bicarbonate, SO4: Sulfate, Cl: Chloride, NO5: Nitrate, B. Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	Date	됩	S	TDS@180°C	ß	Mg	Na	\times	HCO3	SO ₄	ਠ	NOs	В	正	Total Hard-
State Well No.	yr/mo/da	lab	lab	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ness, mg/L
10N/35W-05J01 S	271018			1000	126.0	50.0	96.0		214.6	443.0	45.0				520
10N/35W-05J01 S	531217	7.7	1340		144.0	62.0	77.0	4.0	212.1		68.0				615
10N/35W-05J01 S	570405	7.1	1360		146.0	69.0	81.0	3.0	242.6		64.0				649
10N/35W-05J01 S	580507	7.8	1381	1075	140.0	68.0	80.0	3.0	241.4	467.0	71.0	25.2	0.10	9.0	630
_	580917	8.0	1388	1048	144.0	70.0	71.0	4.0	225.6	473.0	71.0	22.0	0.09	4.0	648
10N/35W-05J01 S	590526	7.8	1589	1065	132.0	65.0	78.0	3.0	200.0	483.0	67.0	27.0	0.46	0.3	597
_	601117	7.9	1378		140.0	68.0	76.0	3.0	236.5	491.0	67.0	17.0	0.31	1.0	630
10N/35W-05J01 S	620614	8.1	1480	1016	123.0	75.0	78.0	0.9	235.3	475.0	71.0	23.0	0.09	0.4	616
	620920	8.1	1330	1124	132.0	73.0	70.0	3.0	231.7	475.0	67.0	22.0	0.20	9.0	630
10N/35W-05J01 S	630719	7.2	1414	1100	145.0	70.0	82.0	4.0	253.6	481.0	70.0	24.0	0.20	0.7	651
10N/35W-05J01 S	750925		4000		160.0	64.0	77.0	3.8	263.4	480.0	65.0	38.5	0.18	0.4	099
10N/35W-06A01 S	640206	8.1	1800	1455	78.0	148.0	154.0	4.0	496.2	591.0	76.0	9.8	0.40	9.0	804
10N/35W-06A03 S	640206	8.2	1130	878	127.0	49.0	70.0	3.0	253.6	379.0	46.0	2.4	0.16	9.0	519
10N/36W-01H01 S	610328	8.1	1600		173.0	72.0	96.0	3.0	243.8	580.0	111.0	9.1	0.25	0.4	728
10N/36W-01H01 S	611009	7.7	1570		192.0	71.0	90.0	3.0	246.3	583.0	111.0	0.0	0.26	0.4	772
10N/36W-01H01 S	611107	7.8	1642	1270	180.0	81.0	94.0	4.0	253.6	572.0	112.0	14.0	0.18	0.8	783
10N/36W-01H01 S	620614	8.0	1550	1252	171.0	72.0	92.0	0.9	186.5	571.0	117.0	0.0	0.25	9.0	723
10N/36W-01H01 S	620920	7.8	1550	1332	176.0	74.0	83.0	3.0	225.6	536.0	116.0	8.0	0.20	0.4	744
_	630719	7.5	1704	1340	187.0	77.0	100.0	4.0	264.6	596.0	114.0	10.0	0.24	0.7	784
	631015	7.4	1550	1300	239.0	38.0	99.0	4.0	247.5	597.0	112.0	8.2	0.26	0.2	754
10N/36W-01H01 S	640506	8.0	1600	1400	97.0	134.0	105.0	3.0	253.6	604.0	116.0	10.0	0.22	0.2	792
	650408	7.3	1760	1340	183.0	84.0	98.0	0.9	256.0	619.0		12.0	0.10	8.0	803
10N/36W-02G01 S	611009	7.0	1350		192.0	36.0	86.0	3.0	258.5	498.0	67.0	0.0	0.30	0.4	628
10N/36W-02G01 S	611107	7.3	1398	1052	139.0	62.0	87.0	3.0	248.7	462.0	64.0	6.3	0.19	8.0	602
	620424	7.3	1440	1041	148.0	58.0	84.0	4.0	235.3	464.0	67.0	11.0	0.07	0.7	909
	630501	7.7	1065	992	70.0	53.0	87.0	4.0	109.7	377.0	0.79	9.0	0.14	0.5	393
	631017	8.1	1270	1032	135.0	59.0	90.0	3.0	237.7	467.0	0.69	5.1	0.30	0.2	580
10N/36W-02G01 S	640206	7.4	1347	1070	142.0	0.09	94.0	3.0	258.5	465.0	0.69	12.4	0.22	9.0	601
	640326	8.0	750	220	32.0	26.0	96.0	3.0	73.2	236.0	0.69	0.0	0.11	0.1	187
	650408	7.3	1389	1030	134.0	63.0	89.0	4.0	246.3	471.0	68.0	5.0	0.24	0.8	594
	700417	7.8	617	345	18.0	11.0	86.0	5.0	95.1	97.0	70.0	4.0	0.08	0.2	06
	700917	7.8	266	260	7.0	8.0	91.0	2.0	84.1	83.0	67.0	5.0	0.10	0.2	20
	710401	7.6	582	322	8.0	14.0	84.0	4.3	81.7	91.0	70.0	0.9	0.08	0.2	81
	710922	8.1	652	334	8.0	18.0	89.0	5.1	90.2	118.0	68.0	0.9	60.0	0.0	92
10N/36W-02G01 S	720309	7.8	626	317	3.0	22.0	94.0	3.6	91.4	122.0	70.0	0.9	0.10	0.1	66

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3: Bicarbonate, SO4: Sulfate, CI: Chloride, NO5: Nitrate, B. Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	Date	금	C C	TDS@180°C	ع	Mo	Z Z	_	L CO	C U	٦	2	۵	<u></u>	Total Land
State Well No	vir(mo/do	<u> </u>			p 7	D 5	2	۷ آ	္က 2	5 5	<u> </u>			_	olal nard-
Oldic Well NO.	J yiviioina	an	Ign	IIIg/L	IIIg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ness, mg/L
10N/36W-02G01 S	760922		029		5.0	20.0	89.0	5.3	113.4	100.0	74.0	1.0	0.15	0.1	96
10N/36W-02G02 S	640206	8.0	1800	1365	206.0	74.0	94.0	5.0	378.0	296.0	291.0	3.2	0.22	0.5	819
10N/36W-02G02 S	650408	7.4	1495	930	123.0	46.0	125.0	5.0	353.6	180.0	201.0	16.0	0.34	0.7	496
_	670512	7.8	1129	006	109.0	57.0	62.0	4.0	256.0	366.0	30.0	1.3	0.11	0.4	202
10N/36W-02Q01 S	620029	7.9	1086	818	101.0	52.0	57.0	4.0	229.2	353.0	29.0	1.5	0.11	0.4	466
10N/36W-02Q01 S	760521	8.0	977	700	102.0	46.0	54.0	2.8	267.0	300.0	26.0	1.6	0.16	9.0	444
10N/36W-02Q01 S	770726		1100	890	120.0	51.0	56.0	3.1	249.9	360.0	28.0		0.10		200
10N/36W-02Q01 S	780803		1050		110.0	50.0	52.0	3.6	243.8	360.0	32.0		0.13	0.1	480
_	791010		1030		110.0	51.0	61.0	3.6	268.2	370.0	28.0	2.3	0.13	0.2	480
10N/36W-02Q01 S	801015	7.5			120.0	51.0	57.0	3.6		360.0	43.0		0.14	0.2	510
10N/36W-02Q01 S	811016	9.7	1130		110.0	50.0	54.0	2.8		360.0	29.0		0.14	0.2	480
10N/36W-02Q01 S	821015	7.5	1040		110.0	49.0	54.0	3.1	256.0	360.0	30.0		0.13	0.2	480
10N/36W-02Q01 S	831012	7.4	1100		120.0	51.0	54.0	2.9	256.0	360.0	29.0		0.13	0.2	
10N/36W-02Q01 S	841011	7.5	1100		110.0	52.0	56.0	3.5	313.3	360.0	28.0		0.14	0.2	
10N/36W-02Q01 S	851016	7.7	1100		120.0	51.0	55.0	2.9	247.5	360.0	29.0		0.14	0.2	
10N/36W-02Q01 S	861021	9.7	1070		110.0	51.0	53.0	3.0	252.4	370.0	29.0	2.0	0.13	0.2	
10N/36W-02Q01 S	871028	7.7	1110	799	110.0	50.0	52.0	3.2	248.7	370.0	27.0		0.13	0.2	
	880927	9.7	1060	805	110.0	55.0	59.0	3.0	257.3	370.0	27.0		0.15	0.2	
	890920	7.5	1090	804	110.0	50.0	55.0	3.0		370.0	27.0		0.13	0.2	
	900724	7.5	1050	782	110.0	20.0	55.0	3.3	253.6	370.0	30.0		0.14	0.3	
10N/36W-02Q01 S	910826	9.7	1158	810	120.0	52.0	54.0	3.2	249.9	390.0	32.0		0.14	0.2	
10N/36W-02Q01 S	920826	9.7	1090	784	110.0	51.0	54.0	3.3	273.1	330.0	31.0		7.14	0.3	
	960327	7.2	1125	824	113.0	55.2	56.0	3.7	260.9	352.0	30.0		0.19		
	961121	8.0	964	200	91.0	43.0	53.0	2.9	232.0	290.0	23.0		0.15	0.2	
	971118	7.4	993	720	100.7	44.0	50.2	2.8	256.0	294.2	22.5		0.14	0.2	
10N/36W-02Q01 S	981116	7.4	983	716	8.06	46.3	50.3	3.2	229.2	286.7	22.7		0.15	0.2	
	670512	7.9	686	992	89.0	49.0	58.0	4.0	251.2	296.0	23.0	1.3	.12	0.4	424
	620029	7.9	1014	726	90.0	41.0	67.0	4.0	253.6	294.0	24.0		0.11	0.4	393
10N/36W-02Q02 S	760521	8.2	1072	808	117.0	54.0	56.0	2.8	258.5	360.0	32.0		0.16	9.0	514
10N/36W-02Q02 S	770726		1000	780	99.0	44.0	59.0	3.2	259.7	300.0	24.0	J	0.10		430
10N/36W-02Q02 S	791010		096		100.0	46.0	53.0	3.7	268.2	300.0	23.0	1.4	0.13	0.3	440
10N/36W-02Q02 S	960327	8.0	1015	758	102.0	48.7	55.5	3.1	273.1	278.0	26.9	2.0	.19		
10N/36W-02Q03 S	670528	7.8	920	738	80.0	50.0	52.0	3.0	204.8	305.0	22.0		60.0	0.4	405
10N/36W-02Q03 S	670929	7.8	1008	741	95.0	47.0	53.0	3.0	248.7	303.0	22.0	1.0	60.0	0.4	431
10N/36W-02Q03 S	760521	8.1	977	727	99.0	49.0	51.0	2.7	253.6	311.0	24.0	2.2	.11	0.5	449

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3; Bicarbonate, SO2; Sulfate, CI: Chloride, NO3; Nitrate, B. Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

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	Date	<u> </u>		1 വടയ്യ വ	ق ق	— ⊠	e Z	<u>~</u>	် ပိ	SO ₄		် လ	<u> </u>	Œ	Total Hard-
State Well No.	yr/mo/da	ap	lab	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ness, mg/L
10N/36W-02Q03 S	770726		980	800	100.0	47.0	53.0	2.9	249.9	310.0	24.0		0.10		440
10N/36W-02Q03 S	780803		940		99.0	44.0	49.0	3.4	243.8	300.0	25.0	2.3	0.13	0.1	430
10N/36W-02Q03 S	791010		950		100.0	48.0	52.0	3.4	256.0	320.0	22.0	2.5	0.12	0.2	450
10N/36W-02Q03 S	801015	7.6	940	728	100.0	47.0	52.0	3.3		290.0	24.0		0.13	0.2	440
10N/36W-02Q03 S	811016	7.7	1030	720	97.0	46.0	47.0	2.8		310.0	25.0		0.13	0.2	430
10N/36W-02Q03 S	821015	7.6	950		98.0	45.0	50.0	2.9	256.0	300.0	24.0	2.0	0.13	0.2	430
10N/36W-02Q03 S	831012	7.4	1050		100.0	46.0	53.0	2.9	268.2	310.0	24.0	2.0	0.14	0.2	
10N/36W-02Q03 S	841011	7.5	1010		100.0	48.0	52.0	3.1	318.2	300.0	23.0	1.9	0.13	0.2	
10N/36W-02Q03 S	851016	7.9	066		100.0	47.0	50.0	2.7	247.5	320.0	23.0	1.9	0.14	0.2	
10N/36W-02Q03 S	861021	7.7	096		99.0	44.0	46.0	2.9	258.5	300.0	22.0	1.9	0.14	0.2	
10N/36W-02Q03 S	871028	7.7	994	969	99.0	46.0	47.0	3.0	247.5	300.0	21.0	1.9	0.13	0.2	
10N/36W-02Q03 S	880927	9.7	920	712	98.0	48.0	53.0	2.9	259.7	310.0	22.0	2.0	0.14	0.2	
10N/36W-02Q03 S	890920	7.5	993	711	98.0	45.0	49.0	3.1	260.9	310.0	21.0	2.0	0.14	0.2	
10N/36W-02Q03 S	910826	7.7	1058	717	100.0	48.0	50.0	2.9	242.6	340.0	28.0	1.9	0.13	0.2	
10N/36W-02Q03 S	920826	7.7	992	730	100.0	47.0	50.0	3.0	229.2	300.0	25.0	2.0	0.18	4.0	
10N/36W-02Q03 S	931118	7.4	991	200	100.0	46.0	49.0	3.0	256.0	310.0	25.0	1.8	0.13	0.2	
10N/36W-02Q03 S	960327	7.2	1010	200	91.8	45.1	53.0	3.5	262.1	286.0	25.7	1.9	0.20		
10N/36W-02Q03 S	961121	8.0	974	714	95.0	46.0	51.0	2.8	227.0	310.0	23.0	2.0	0.14	0.2	
10N/36W-02Q03 S	971118	7.5	1001	717	102.8	46.4	46.8	2.7	253.0	303.7	21.9	2.0	0.13	0.2	
10N/36W-02Q03 S	981116	7.4	286	727	92.3	48.6	49.5	3.0	243.4	297.3	22.1	2.0	0.14	0.2	
10N/36W-02Q04 S	670528	7.9	1006	797	93.0	48.0	58.0	3.0	249.9	303.0	24.0	2.0	0.11	0.4	430
	620029	8.1	975	712	93.0	44.0	53.0	3.0	247.5	291.0	24.0	1.5	60.0	0.4	413
	760521	8.0	1038	754	107.0	52.0	54.0	2.4	271.9	318.0	31.0	2.6	0.14	9.0	481
	770726		970	750	100.0	46.0	49.0	5.6	249.9	290.0	23.0		0.10		440
10N/36W-02Q04 S	791010		980		96.0	46.0	50.0	3.0	243.8	300.0	22.0	2.4	0.12	0.2	430
	801015	9.7	930	704	100.0	47.0	52.0	3.0		290.0	23.0		0.13	0.2	440
10N/36W-02Q04 S	811016	7.7	1010	688	95.0	44.0	48.0	2.7		290.0	21.0		0.13	0.2	420
10N/36W-02Q04 S	821015	7.5	950		95.0	44.0	49.0	2.8	256.0	290.0	23.0	2.3	0.12	0.2	420
10N/36W-02Q04 S	831012	7.4	099		96.0	45.0	49.0	2.7	268.2	300.0	23.0	2.8	0.12	0.2	
10N/36W-02Q04 S	851016	7.8	096		99.0	47.0	50.0	2.6	242.6	290.0	22.0	2.3	0.13	0.2	
10N/36W-02Q04 S	871028	7.9	977	869	0.96	44.0	47.0	2.7	249.9	300.0	22.0	2.3	0.13	0.2	
10N/36W-02Q04 S	880927	9.7	940	674	94.0	48.0	50.0	2.5	253.6	290.0	20.0	2.4	0.14	0.2	
	890920	7.5	964	069	93.0	44.0	48.0	2.6	251.2	300.0	20.0	2.3	0.12	0.2	
	900724	9.7	932	029	100.0	46.0	48.0	2.9	249.9	290.0	23.0	2.2	0.13	0.2	
10N/36W-02Q04 S	910826	7.7	1018	719	100.0	47.0	48.0	2.8	243.8	320.0	36.0	2.3	0.13	0.2	

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3; Bicarbonate, SO2; Sulfate, CI: Chloride, NO3; Nitrate, B. Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

184		Date	됩	EC	TDS@180°C	Ca	Mg	Na	*	HCO,	SO	ū	NOS	B	Ē	Total Hard-
\$2 \$202025 7.7 960 97.0 46.0 48.0 2.8 253.6 20.0 27.0 45.0 48.0 2.8 253.6 2.0 2.7 2.4 1.7 0.13 0.2 1.8 961418 7.4 962 680 97.3 44.8 45.0 2.6 24.0 2.7 2.7 2.7 1.7 0.13 0.2 1.8 941118 7.5 942 680 97.3 44.8 45.7 2.5 24.0 2.7 2.7 2.7 1.7 0.13 0.2 1.8 961116 7.5 982 97.3 44.8 45.7 2.5 24.0 2.7 2.7 2.7 2.7 2.7 2.7 0.0 0.0 9.0 9.0 9.0 9.0 9.0 9.2 2.6 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0	State Well No.	yr/mo/da	lab	lab	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	_		_	ness, mg/L
15 990227 7.0 990 97.0 48.0 2.8 2.8.2 2.9.0 2.9.0 2.0 9.0 2.0 2.6 2.4 9.2 2.8 9.0 2.0 <		0000	1	G	000	1	9	9	0	0			,	:	1	
15 98 96 96 96 96 45 98 28 28 28 28 31 27 17 17 10<		920026	/./	200	060	0.78	40.0	48.0	Σ.α	253.6	780.0	72.0	2.4	0.12	0.5	
15 960327 70 984 70 97.8 45.6 49.0 27 24.8 31.20 22.7 2.7 27 0.19 15 961121 7.5 944 685 91.0 45.0 45.0 26.0 21.0 25.0 11.0 25.0 11.0 25.0 11.0 25.0 11.0 25.0 11.0 25.0 11.0 25.0 21.0 25.0 27.0 11.0 25.0 27.0		931118	7.4	962	089	96.0	42.0	49.0	2.8	268.2	290.0	27.0	1.7	0.13	0.2	
5 9441 685 91.0 45.0 26.0 280.0 21.0 25.0 280.0 21.0 25.0 280.0 21.0 25.0 280.0 21.0 25.0 280.0 21.0 25.0 280.0 21.0 27.0 48.0 68.0 87.3 44.2 45.7 25.2 24.0 280.0 23.0 28.0 27.0 24.0 26.0 23.0 28.0 28.0 27.0 24.0 28.0 28.0 27.0 24.0 28.0 27.0 24.0 28.0 27.0 24.0 28.0		960327	7.0	984	730	97.8	45.6	49.0	2.7	254.8	312.0	22.7	2.7	0.19		
15 97.71 880 97.3 44.8 45.7 25 24.9 276.9 22.0 276.9 20.0 30.0 40.0 20.0 30.0 40.0 20.0 30.0 40.0 60.0 5		961121	7.9	944	685	91.0	45.0	49.0	2.6	224.0	280.0	21.0	2.5	0.14	0.2	
51 981116 7.5 949 685 87.7 47.2 48.7 2.5 24.9 7.0 47.0 48.0 24.7 41.0 56.0 58.0 7.0 4.0 6.0 6.0 7.0 4.0 6.0 8.0 7.0 4.0 6.0 8.0 7.0 4.0 7.0 4.0 4.0 6.0 9.0 4.0 7.0 2.7 25.2 4.5 6.0 6.0 7.0 4.0 7.0 4.0 6.0 8.0 6.0 7.0 7.0 8.0 2.7 4.0 6.0 8.0 8.0 7.0 4.0 6.0 8.0 7.0 7.0 8.0 9.0		971118	7.5	962	089	97.3	44.8	45.7	2.5	243.0	285.1	21.6	2.6	0.13	0.2	
55 670527 7.6 1277 989 128.0 78.0 3.0 247.5 415.0 55.0 5.8 0.17 0.6 58 670527 7.6 1272 934 121.0 54.0 77.0 3.0 54.0 6.0		981116	7.5	949	685	87.7	47.2	48.7	2.5	221.9	276.9	20.8	2.7	0.14	0.2	
15 670929 7.6 1292 973 13.10 540 750 245.1 417.0 560 5.3 0.14 0.5 15 760527 8.0 1278 943 14.10 540 77.0 2.7 253.6 420.0 64.0 68 0.18 0.7 15 670826 8.1 1336 1047 1390 170 2.7 253.6 450.0 64.0 68 0.18 0.7 15 670826 8.1 1336 1000 1390 540 8.2 3.0 243.8 451.0 66.0 68 0.18 0.7 0.0 9.0 3.0 243.8 451.0 66.0 8.0 0.0 0.0 0.0 9.0 3.0 243.8 451.0 61.0 8.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0<		670527	9.7	1277	686	128.0	58.0	78.0	3.0	247.5	415.0	55.0	5.8	0.17	9.0	558
15 760621 8.0 1278 943 14.0 54.0 77.0 27 253.6 420.0 64.0 68.0 17.0 17.0 27.0 27.0 27.0 6		670929	9.7	1292	973	131.0	54.0	75.0	3.0	245.1	417.0	56.0	5.3	0.14	0.5	549
5 960327 8.0 1630 178.0 71.0 83.0 3.9 243.8 451.0 61.0 3.0 243.8 451.0 61.0 3.0 243.8 451.0 61.0 3.0 243.8 451.0 61.0 3.0 243.8 451.0 61.0 3.0 243.8 451.0 61.0 3.0 243.8 451.0 61.0 3.0 243.8 451.0 61.0 3.0 243.8 451.0 61.0 3.0 243.8 451.0 44.0 450.0 44.0 450.0 44.0 450.0 44.0 450.0 44.0 <td></td> <td>760521</td> <td>8.0</td> <td>1278</td> <td>943</td> <td>141.0</td> <td>54.0</td> <td>77.0</td> <td>2.7</td> <td>253.6</td> <td>420.0</td> <td>64.0</td> <td>6.8</td> <td>0.18</td> <td>0.7</td> <td>574</td>		760521	8.0	1278	943	141.0	54.0	77.0	2.7	253.6	420.0	64.0	6.8	0.18	0.7	574
15 670526 8.1 1336 1047 129.0 61.0 90.0 30 243.8 451.0 61.0 33.019 0.7 15 670526 8.1 1339 1000 139.0 54.0 82.0 3.0 249.9 439.0 61.0 35.018 0.6 15 670526 7.2 1107 1813 1190 54.0 82.0 3.0 249.9 439.0 61.0 35.018 0.6 15 670526 7.5 1104 15.0 40.0 85.0 61.0 44.0 74.0 40.0 60.0 30.7 110.0 44.0 60.0 30.0 40.0 66.0 37.0 110.0 44.		960327	8.0	1630	1200	178.0	71.0	83.0	3.9	260.9	534.0	85.0	9.9	0.27		
5 670929 7.8 1339 1000 139.0 54.0 82.0 3.0 249.9 439.0 61.0 3.5 0.18 0.6 5 706521 7.9 1107 18.1 119.0 52.0 61.0 2.6 258.5 355.0 42.0 44.008 0.6 5 706524 7.5 1107 110 4.1 207.5 670.0 4.0 6.0 3.5 278.0 120.0 1.0 0.4 0.6 5 670929 7.4 1136 747 103.0 4.0 74.0 4.0 319.4 214.0 81.0 0.0 0.4 5 76064 8.2 1020 8.0 66.0 3.5 278.0 110.0 14.0 0.1 0.		670526	8.1	1336	1047	129.0	61.0	90.0	3.0	243.8	451.0	61.0	3.3	0.19	0.7	573
18 760521 7.9 1107 813 118.0 52.0 61.0 2.6 268.5 355.0 42.0 44 0.08 0.6 18 760527 7.2 1004 1530 286.0 57.7 101.0 44 297.5 675.0 124.0 12 0.3 18 670526 7.4 1134 747 100.0 85.0 5.0 309.7 116.0 110 0.14 0.5 18 670624 8.2 1028 683 89.0 40.0 66.0 3.7 116.0 110.0 0.14 0.5 18 811016 7.5 1090 89.0 37.0 66.0 3.7 160.0 110.0 0.14 0.5 18 811016 7.5 1090 89.0 37.0 66.0 3.7 160.0 110.0 0.14 0.5 18 811016 7.5 1109 89.0 37.0 66.0 3.7 110.0 </td <td></td> <td>670929</td> <td>7.8</td> <td>1339</td> <td>1000</td> <td>139.0</td> <td>54.0</td> <td>82.0</td> <td>3.0</td> <td>249.9</td> <td>439.0</td> <td>61.0</td> <td>3.5</td> <td>0.18</td> <td>9.0</td> <td>569</td>		670929	7.8	1339	1000	139.0	54.0	82.0	3.0	249.9	439.0	61.0	3.5	0.18	9.0	569
18 960327 7.2 2004 1530 286.0 57.7 101.0 4.4 297.5 675.0 120.0 3.2		760521	7.9	1107	813	119.0	52.0	61.0	2.6	258.5	355.0	42.0	4.4	0.08	9.0	511
S 670526 7.6 1126 780 90.0 40.0 85.0 5.0 399.7 116.0 138.0 90.0 146 0.4 S 670929 7.4 1134 747 103.0 44.0 74.0 4.0 319.4 214.0 81.0 10.0 0.04 S 760804 8.2 1028 68.0 37.0 66.0 3.5 278.0 170.0 89.0 10.0 0.06 0.7 S 760840 8.2 100 3.0 37.0 66.0 3.5 278.0 170.0 89.0 0.0 0.0 0.0 S 821015 7.5 470 8.0 8.0 4.0 0.0 6.0 3.7 140.0 140.0 0.1 0.0		960327	7.2	2004	1530	286.0	57.7	101.0	4.4	297.5	675.0	124.0	1.2	0.32		
S 670929 7.4 1134 747 103.0 44.0 74.0 4.0 319.4 214.0 81.0 11.0 0.14 0.5 S 760604 8.2 1028 683 89.0 40.0 66.0 3.5 278.0 170.0 89.0 10.0 0.06 0.7 S 811016 7.6 1090 89.0 37.0 66.0 3.7 160.0 110.0 0.04 0.0 S 811016 7.6 1090 89.0 37.0 66.0 3.7 160.0 10.0 0.06 0.7 S 821016 7.5 1090 89.0 39.0 82.0 4.5 34.0 160.0 160.0 0.14 0.4 S 810104 7.5 140 89.0 49.0 85.0 4.0 4.5 34.0 160.0 160.0 0.14 0.5 S 801046 7.0 10.0 89.0 10.0 10.0	10N/36W-02Q07 S	670526	9.7	1126	780	90.0	40.0	85.0	5.0	309.7	116.0	138.0	9.0	0.16	0.4	389
S 760604 8.2 1028 683 890 40.0 66.0 3.5 278.0 170.0 890 100 0.06 0.7 S 811016 7.5 1090 89.0 37.0 66.0 3.7 160.0 110.0 0.04 0.05 S 811016 7.5 1090 89.0 37.0 66.0 3.7 160.0 100.0 0.04 0.05 0.04 0.06 0.07 0.04 0.06 0.07 0.04 0.06 0.07 0.06 0.07 0.04 0.06 0.07 0.04 0.06 0.07 0.04 0.06 0.07 0.04 0.06 0.07 0.04 0.06 0.04 0.06 0.07 0.04 0.06 0.04 0.06 0.04 0.06 0.07 0.06 0.04 0.06 0.04 0.06 0.04 0.06 0.04 0.06 0.04 0.06 0.04 0.06 0.04 0.06 0.04 0.04		670929	7.4	1134	747	103.0	44.0	74.0	4.0	319.4	214.0	81.0	11.0	0.14	0.5	438
S 811016 7.6 1090 37.0 66.0 3.7 160.0 110.0 0.14 0.5 S 821015 7.5 1090 93.0 39.0 82.0 4.2 317.0 140.0 140.0 0.14 0.5 S 821015 7.5 750 92.0 35.0 85.0 51.1 304.8 98.0 150.0 0.14 0.4 S 831012 7.7 110 44.0 75.0 45.1 304.8 180.0 0.14 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.0 0.14 0.4		760604	8.2	1028	683	89.0	40.0	0.99	3.5	278.0	170.0	89.0	10.0	90.0	0.7	387
S S21015 7.5 1090 93.0 39.0 82.0 4.2 317.0 140.0 140.0 0.16 0.4 S 831012 7.5 750 92.0 35.0 85.0 5.1 304.8 98.0 150.0 0.16 0.4 S 811016 7.7 1110 44.0 75.0 4.5 328.0 160.0 160.0 0.16 0.4 S 81104 7.6 1120 44.0 75.0 4.5 328.0 160.0 160.0 0.16 0.4 S 81102 7.5 1440 839 130.0 49.0 91.0 5.7 31.9 120.0 0.16 0.4 S 880927 7.6 1050 82.0 4.3 31.4 130.0 140.0 0.16 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 <t< td=""><td></td><td>811016</td><td>9.7</td><td>1090</td><td></td><td>89.0</td><td>37.0</td><td>0.99</td><td>3.7</td><td></td><td>160.0</td><td>110.0</td><td></td><td>0.14</td><td>0.5</td><td>370</td></t<>		811016	9.7	1090		89.0	37.0	0.99	3.7		160.0	110.0		0.14	0.5	370
S S31012 7.5 750 92.0 35.0 51.1 304.8 98.0 150.0 0.14 0.4 S S31012 7.7 1110 96.0 39.0 77.0 3.4 304.8 130.0 150.0 0.16 0.4 S S61016 7.7 1110 44.0 75.0 4.5 328.0 160.0 160.0 0.16 0.4 0.16 0.4 S S61104 7.6 1440 839 130.0 49.0 91.0 57 321.9 150.0 10.16 0.16 0.4 S S80927 7.6 1050 749 110.0 48.0 82.0 4.4 331.6 160.0 0.16 0.16 0.3 S 900724 7.2 1495 956 130.0 59.0 110.0 6.9 376.7 260.0 20.0 0.16 0.16 0.3 S 900724 7.2 2260 130.0 120.0		821015	7.5	1090		93.0	39.0	82.0	4.2	317.0	140.0	140.0		0.16	4.0	390
S 851016 7.7 111 96.0 39.0 77.0 3.4 304.8 130.0 150.0 0.16 0.4 S 861104 7.6 1120 44.0 75.0 4.5 328.0 160.0 160.0 0.16 0.4 S 861104 7.6 1120 44.0 75.0 4.5 328.0 160.0 160.0 0.16 0.4 0.16 0.4 S 861104 7.6 1650 749 110.0 48.0 82.0 4.3 319.4 130.0 180.0 0.16 0.4 S 880927 7.6 1050 7.9 90.0 4.4 31.6 180.0 240.0 0.16 0.3 S 900724 7.2 1495 956 130.0 60.0 334.1 210.0 240.0 0.17 0.3 S 910826 7.3 2260 1400.0 77 334.1 210.0 240.0 0.17 0.1	2	831012	7.5	750		92.0	35.0	85.0	5.1	304.8	98.0	150.0		0.14	0.4	
S 861104 7.6 1120 4.0 75.0 4.5 328.0 160.0 160.0 0.16 0.4 S 871028 7.5 1440 839 130.0 49.0 91.0 5.7 321.9 120.0 210.0 0.16 0.3 S 880927 7.6 1050 749 110.0 48.0 82.0 4.3 319.4 130.0 10.16 0.3 S 880920 7.4 1480 864 120.0 52.0 90.0 4.4 331.6 160.0 240.0 0.16 0.3 S 990724 7.2 1495 956 130.0 59.0 110.0 6.9 376.7 260.0 240.0 0.16 0.3 S 910826 7.2 1495 956 180.0 77.0 140.0 6.7 334.1 210.0 240.0 0.17 0.18 S 931118 7.2 1830 180.0 17.0		851016	7.7	1110		0.96	39.0	77.0	3.4	304.8	130.0	150.0		0.16	0.4	
S 871028 7.5 1440 839 130.0 49.0 91.0 5.7 321.9 120.0 210.0		861104	9.7	1120		110.0	44.0	75.0	4.5	328.0	160.0	160.0		0.16	0.4	
S 880927 7.6 1050 749 110.0 48.0 82.0 4.3 319.4 130.0 180.0 0.16 0.3 S 890920 7.4 1480 864 120.0 52.0 90.0 4.4 331.6 160.0 240.0 0.15 0.3 S 900724 7.2 1495 956 130.0 52.0 110.0 6.9 376.7 260.0 240.0 0.15 0.3 S 910826 7.3 2260 1350 180.0 72.0 160.0 6.7 334.1 210.0 50.0 0.17 0.4 S 920911 7.4 2040 1210 170.0 170.0 6.0 338.9 200.0 440.0 0.17 0.5 S 960327 7.2 2270 130.0 61.0 11.5 414.5 190.0 387.0 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2		871028	7.5	1440	839	130.0	49.0	91.0	5.7	321.9	120.0	210.0		0.15	0.3	
S 890920 7.4 1480 864 120.0 52.0 90.0 4.4 331.6 160.0 240.0 0.15 0.3 S 900724 7.2 1495 956 130.0 59.0 110.0 6.9 376.7 260.0 240.0 0.17 0.18 0.3 S 910826 7.3 2260 1350 180.0 72.0 160.0 6.7 334.1 210.0 500.0 0.17 0.4 S 920911 7.4 2040 1210 170.0 71.0 130.0 6.0 338.9 200.0 440.0 0.4 0.17 0.4 S 931118 7.2 2270 1310 195.0 32.0 190.0 11.5 414.5 190.0 387.0 0.2 </td <td></td> <td>880927</td> <td>9.7</td> <td>1050</td> <td>749</td> <td>110.0</td> <td>48.0</td> <td>82.0</td> <td>4.3</td> <td>319.4</td> <td>130.0</td> <td>180.0</td> <td></td> <td>0.16</td> <td>0.3</td> <td></td>		880927	9.7	1050	749	110.0	48.0	82.0	4.3	319.4	130.0	180.0		0.16	0.3	
S 900724 7.2 1495 956 130.0 59.0 110.0 6.9 376.7 260.0 200.0 0.18 0.3 S 910826 7.3 2260 1350 180.0 72.0 160.0 6.7 334.1 210.0 500.0 0.17 0.4 S 920911 7.4 2040 1210 170.0 71.0 130.0 6.0 338.9 200.0 440.0 0.4 0.17 0.5 S 920911 7.4 2040 1210 170.0 71.0 130.0 6.0 338.9 200.0 440.0 0.4 0.17 0.5 S 931118 7.2 2270 1310 195.0 32.0 140.0 5.6 382.0 220.0 40.2 0.2 <td></td> <td>890920</td> <td>7.4</td> <td>1480</td> <td>864</td> <td>120.0</td> <td>52.0</td> <td>0.06</td> <td>4.4</td> <td>331.6</td> <td>160.0</td> <td>240.0</td> <td></td> <td>0.15</td> <td>0.3</td> <td></td>		890920	7.4	1480	864	120.0	52.0	0.06	4.4	331.6	160.0	240.0		0.15	0.3	
S 910826 7.3 2260 1350 180.0 72.0 160.0 6.7 334.1 210.0 500.0 0.17 0.4 S 920911 7.4 2040 1210 170.0 71.0 130.0 6.0 338.9 200.0 440.0 0.4 0.17 0.5 S 920911 7.4 2040 1210 170.0 71.0 130.0 6.7 338.9 200.0 440.0 0.4 0.17 0.5 S 960327 7.2 2270 1310 195.0 32.0 140.0 1.5 414.5 190.0 387.0 0.3 0.4 S 961121 8.1 1670 162.0 64.0 100.0 5.6 382.0 250.0 220.0 0.2 <td>_</td> <td>900724</td> <td>7.2</td> <td>1495</td> <td>926</td> <td>130.0</td> <td>59.0</td> <td>110.0</td> <td>6.9</td> <td>376.7</td> <td>260.0</td> <td>200.0</td> <td></td> <td>0.18</td> <td>0.3</td> <td></td>	_	900724	7.2	1495	926	130.0	59.0	110.0	6.9	376.7	260.0	200.0		0.18	0.3	
S 920911 7.4 2040 1210 170.0 71.0 130.0 6.0 338.9 200.0 440.0 0.4 0.17 0.5 S 931118 7.2 1830 160.0 61.0 130.0 5.7 392.6 220.0 300.0 60.2 0.20 0.3 S 960327 7.2 2270 1310 195.0 32.0 190.0 11.5 414.5 190.0 387.0 0.3 0.4 S 961121 8.1 1670 1024 150.0 64.0 100.0 5.6 382.0 250.0 220.0 0.2 0.2 0.2 S 971148 7.3 2050 1126 174.1 69.3 12.1 5.4 410.0 151.5 382.8 <0.2 0.2 0.2 0.2 S 981116 7.4 2030 1186 158.1 72.9 152.8 5.6 397.5 182.4 358.5 0.4 0.5		910826	7.3	2260	1350	180.0	72.0	160.0	6.7	334.1	210.0	500.0		0.17	0.4	
S 931118 7.2 1830 1080 150.0 61.0 130.0 5.7 392.6 220.0 300.0 <0.2 0.20 0.3 0.3 0.3 S 960327 7.2 2270 1310 195.0 32.0 190.0 11.5 414.5 190.0 387.0 0.3 0.40 S 961121 8.1 1670 1024 150.0 64.0 100.0 5.6 382.0 250.0 202.0 0.2 0.2 0.2 0.3 S 971118 7.3 2050 1126 174.1 69.3 121.7 5.4 410.0 151.5 382.8 <0.2 0.2 0.2 0.4 S 981116 7.4 2030 1186 158.1 72.9 152.8 5.6 397.5 182.4 358.5 0.4 0.5 0.4 S 420415 1190 863 123.0 51.0 65.0 30.7 14.6 64.0		920911	7.4	2040	1210	170.0	71.0	130.0	0.9	338.9	200.0	440.0	4.0	0.17	0.5	
S 960327 7.2 2270 1310 195.0 32.0 190.0 11.5 414.5 190.0 387.0 0.3 0.40 S 961121 8.1 1670 1024 150.0 64.0 100.0 5.6 382.0 250.0 220.0 20.2 0.2		931118	7.2	1830	1080	150.0	61.0	130.0	5.7	392.6	220.0	300.0	<0.2	0.20	0.3	
S 961121 8.1 1670 1024 150.0 64.0 100.0 5.6 382.0 250.0 220.0 20.2 0.3 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.6 0.6 0.7 0.7 0.6 0.6 0.7 0.7 0.6 0.6 0.7 0.7 0.6 0.6 0.7 0.7 0.6 0.6 0.7 0.7 0.6 0.6 </td <td></td> <td>960327</td> <td>7.2</td> <td>2270</td> <td>1310</td> <td>195.0</td> <td>32.0</td> <td>190.0</td> <td>11.5</td> <td>414.5</td> <td>190.0</td> <td>387.0</td> <td>0.3</td> <td>0.40</td> <td></td> <td></td>		960327	7.2	2270	1310	195.0	32.0	190.0	11.5	414.5	190.0	387.0	0.3	0.40		
S 971118 7.3 2050 1126 174.1 69.3 121.7 5.4 410.0 151.5 382.8 <0.2 0.23 0.4 S 981116 7.4 2030 1186 158.1 72.9 152.8 5.6 397.5 182.4 358.5 0.4 0.52 0.4 S 420415 1190 863 123.0 51.0 65.0 3.0 217.0 251.0 76.0 16.0 0.10 0.6 S 580916 7.7 97.7 41.0 64.0 3.0 217.0 251.0 76.0 16.0 0.10 0.6	10N/36W-02Q07 S	961121	8.1	1670	1024	150.0	64.0	100.0	5.6	382.0	250.0	220.0	<0.2	0.21	0.4	
S 981116 7.4 2030 1186 158.1 72.9 152.8 5.6 397.5 182.4 358.5 0.4 0.52 0.4 S 420415 1190 863 123.0 51.0 65.0 3.0 214.6 368.0 68.0 2.0 0.3 S 580916 7.7 977 715 97.0 41.0 64.0 3.0 217.0 251.0 76.0 16.0 0.10 0.6	10N/36W-02Q07 S	971118	7.3	2050	1126	174.1	69.3	121.7	5.4	410.0	151.5	382.8	<0.2	0.23	0.4	
S 420415 1190 863 123.0 51.0 65.0 3.0 214.6 368.0 68.0 2.0 0.3 S 580916 7.7 977 715 97.0 41.0 64.0 3.0 217.0 251.0 76.0 16.0 0.10 0.6	10N/36W-02Q07 S	981116	7.4	2030	1186	158.1	72.9	152.8	5.6	397.5	182.4	358.5	0.4	0.52	0.4	
S 580916 7.7 977 715 97.0 41.0 64.0 3.0 217.0 251.0 76.0 16.0 0.10 0.6		420415		1190	863	123.0	51.0	65.0	3.0	214.6	368.0	68.0	2.0		0.3	517
		580916	7.7	977	715	97.0	41.0	64.0	3.0	217.0	251.0	76.0	16.0	0.10	9.0	411

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3: Bicarbonate, SO4: Sulfate, Ct: Chloride, NO5: Nitrate, B. Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	1	-		Ordanawater Adams, Analysis Grande - Inputing Mesa Area	anty Date	, 2. Color, 2.			NIC INIC	מאוק	i				
	Date	E d		 വയുള്ള	క్ర	Μg	Na Na	<u>~</u>	- CO H	SO ₄	ວ	် လို	<u>—</u> В	正	Total Hard-
State Well No.	yr/mo/da	lab	lab	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ness, mg/L
11N/34W-29P02 S	590421	8.1	1006	715	95.0	39.0	61.0	2.0	203.6	240.0	0.69	16.0	0.19	0.3	398
11N/34W-29P02 S	620614	7.9	1050	764	105.0	41.0	61.0	2.0	218.2	244.0	73.0	45.0	0.14	0.2	431
11N/34W-29P02 S	620822	7.3	925	929	84.0	35.0	63.0	3.0	240.2	189.0	0.09	12.0	90.0	0.1	354
	620919	8.0	1020	832	104.0	41.0	59.0	2.0	235.3	266.0	70.0	39.0	0.16	0.2	428
	631014	7.8	1040	844	83.0	63.0	70.0	2.0	207.3	293.0	0.99	67.0	0.13	0.2	466
	641006	7.4	1149	406	115.0	48.0	65.0	3.0	210.9	295.0	0.99	0.99	0.12	9.0	485
	620209	7.4	1099	772	102.0	47.0	65.0	2.0	224.3	258.0	0.99	49.0	0.08	9.0	448
	660412	8.0	1078	169	95.0	42.0	64.0	2.0	167.0	264.0	73.0	51.0	0.08	0.5	410
11N/34W-29P02 S	670516		1050	678	90.0	49.0	68.0	2.0	157.3	285.0	65.0		90.0	0.5	426
	671012	7.9	1128	783	99.0	51.0	70.0	3.0	176.8	288.0	80.0	73.0	0.09	0.5	457
	671019		1250	892	102.0	61.0	68.0	2.9	204.8	301.0	79.0		0.00		504
	680920	7.7	1526	848	118.0	49.0	64.0	2.0	234.1	276.0	69.0	60.0	0.11	0.5	496
	690516	8.0	1054	829	0.06	49.0	68.0	2.0	156.1	285.0	65.0	64.5	90.0	0.5	426
	690924	7.5	1174	826	114.0	50.0	57.0	2.0	235.3	291.0	55.0	55.0	0.11	0.5	490
	700409	8.1	962	661	80.0	44.0	62.0	2.0	180.4	264.0	45.0	36.0	0.11	9.0	381
	700916	8.3	942	692	98.0	42.0	0.09	2.0	225.6	269.0	44.0	30.0	0.10	9.0	418
	710324	7.7	1011	661	104.0	46.0	61.0	3.0	215.8	285.0	42.0	92.0	90.0	0.5	449
	710920	8.1	966	724	102.0	43.0	63.0	2.3	214.6	298.0	40.0	34.0	0.11	0.5	430
	720320	8.2	1028	785	111.0	45.0	62.0	2.7	209.7	315.0	44.0	45.0	0.10	9.0	462
	730524	8.0	1072	789	100.0	47.0	59.0	2.4	156.1	323.0	48.0	56.0	0.09	9.0	444
	740527	8.2	983	741	98.0	46.0	51.0	2.3	196.3	312.0	34.0	12.0	0.15	9.0	436
	741030	8.0	1155	923	128.0	49.0	0.99	2.3	223.1	337.0	56.0	70.0	0.11	0.5	522
	750515	8.3	1216	915	131.0	49.0	64.0	2.7	229.2	332.0	54.0	76.0	90.0	9.0	528
	751204		1240		130.0	48.0	67.0	2.6	230.4	310.0	58.0	75.3	0.11	0.3	520
	760922		1220		130.0	53.0	0.99	2.9	230.4	360.0	57.0	88.6	0.11	0.4	540
	771020		1230	952	130.0	53.0	68.0	2.5	230.4	350.0	55.0		0.10		540
	731011	8.2	1210	890	117.0	26.0	62.0	2.7	225.6	396.0	40.0	3.4	0.00	9.0	521
	761007	8.0	1174	886	127.0	49.0	65.0	3.1	220.7	404.0	45.0	4.0	0.14	0.8	519
	791106	8.1	1140	834	126.0	48.0	64.0	3.1	225.6	396.0	41.0	4.7	0.10	0.8	512
	811020	7.7	1050	875	127.0	48.0	63.0	4.4	226.8	387.0	41.0	4.7	0.10	9.0	514
11N/34W-30Q01 S	620822	7.4	1260	1028	158.0	52.0	57.0	3.0	258.5		37.0	105.0	0.11	0.1	809
	850724	7.9	920	289	105.0	40.0	56.0	2.9	219.5	292.0		4.2	0.10	9.0	426
11N/34W-31C01 S	750925		1500		160.0	61.0	53.0	3.2	228.0	400.0	51.0	128.5	0.14	0.3	650
11N/34W-33J01 S	750926		1600		160.0	77.0	75.0	3.2	379.2	340.0	160.0	21.3	0.16	4.0	720
11N/34W-33K01 S	750928		1375		150.0	50.0	86.0	4.2	306.0	350.0	88.0	0.9	0.29	0.3	580

EC: Electrical Conductivity in umbos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3: Bicarbonate, SO4: Sulfate, Cl: Chloride, NO5: Nitrate, B. Boron, Fl: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	Date	님	EC	TDS@180°C	S	PW.	S		HCO.	SO.	5	ĆZ	m	Ī	Total Hard-
State Well No.	vr/mo/da	- de	qe	ma/l	1/om	l/om		l/ou	, pm	7 / 0	- I/ou	_	_	- 2	l/bm sed
				ı b	b	1	n n	j j	100	100	1	1	-	-	
11N/34W-34A04 S	920520		2400	1500						340.0	300.0	23.0		8.0	
11N/35W-18M01 S	570405	7.2	1280		123.0	0.99	83.0	4.0	187.8		47.0				579
11N/35W-18M01 S	580505	8.1	1368	1000	150.0	59.0	86.0	5.0	231.7	517.0	63.0	6.0	0.29	0.2	617
11N/35W-18M01 S	580917	8.2	1335	1090	145.0	63.0	78.0	4.0	217.0	528.0	46.0	4.4	0.27	0.2	621
11N/35W-18M01 S	590930	7.9	1307	983	135.0	0.09	82.0	4.0	202.4	514.0	53.0		0.24	0.0	584
11N/35W-18M01 S	600406	8.3	1389	1020	134.0	62.0	84.0	4.0	210.9	514.0	56.0		0.00	0.0	290
11N/35W-18M01 S	620920	8.0	1280	1140	141.0	0.09	74.0	4.0	235.3	485.0	14.0	0.0	0.20	0.1	599
11N/35W-18M01 S	631014	8.2	1220	1034	143.0	52.0	85.0	4.0	208.5	517.0	48.0		0.21	0.1	571
11N/35W-18M01 S	640506	8.0	1290	1168	83.0	101.0	88.0	4.0	241.4	538.0	50.0		0.16	0.2	623
11N/35W-18M01 S	641006	8.3	1380	1110	148.0	64.0	80.0	4.0	235.3	516.0	48.0		0.17	9.0	633
11N/35W-18M01 S	660412	8.3	1388	1026	142.0	64.0	81.0	4.0	215.8	509.0	53.0		0.14	0.0	618
11N/35W-18M01 S	661018	8.0	1430	1130	150.0	0.09	75.0	4.0	230.4	526.0	48.0		0.20		621
11N/35W-18M01 S	671013	8.1	1353	1087	146.0	57.0	87.0	5.0	223.1	582.0	50.0		0.14	0.4	299
11N/35W-18M01 S	680503	8.3	1420	1090	143.0	74.0	81.0	5.0	223.1	520.0	47.0		0.10	0.1	662
11N/35W-18M01 S	680920	8.1	1350	1110	147.0	61.0	82.0	4.0	229.2	521.0	45.0		0.16	0.4	618
11N/35W-18M01 S	690516	8.4	1336	1064	152.0	62.0	79.0	4.0	240.2	521.0	48.0		0.14	0.5	635
	690924	8.0	1384	1081	138.0	74.0	71.0	4.0	230.4	528.0	48.0		0.15	0.4	649
	700409	7.7	1386	1065	149.0	63.0	82.0	4.0	236.5	517.0	46.0		0.16	0.5	631
	700916	8.3	1379	1096	148.0	0.99	105.0	8.0	326.7	455.0	84.0		0.20	0.7	641
	710324	7.9	1570	1077	151.0	75.0	106.0	9.9	319.4	476.0	98.0		0.20	9.0	683
11N/35W-18M01 S	730524	8.7	1734	1329	176.0	78.0	128.0	5.5	379.2	550.0	103.0		0.21	0.7	762
	731018	7.8	1173	006	118.0	54.0	0.99	2.3	219.5	331.0	50.0		96.0	0.5	517
	640206	7.4	2139	1738	215.0	119.0	152.0	5.0	498.7	767.0	113.0		0.40	1.0	1027
	520425		1260		140.0	52.0	80.0	4.9	259.7	410.0	49.0				550
11N/35W-19E02 S	540920	7.3	1240		49.0	108.0	85.0	4.0	259.7	426.0	50.0	2.0	0.26	0.3	267
11N/35W-19E02 S	570405		1260		140.0	57.0	79.0	3.4	259.7		44.0				580
	580917	8.1	1209	906	105.0	58.0	73.0	4.0	158.5	446.0	50.0		0.05		501
	590610	8.0	1308	096	136.0	52.0	76.0	3.0	253.6	429.0	48.0		0.54	0.1	554
11N/35W-19E02 S	611005	8.9	2100		226.0	92.0	160.0	14.0	423.1	761.0	112.0		98.0	4.0	943
	620614	8.2	1285	1014	147.0	52.0	72.0	4.0	265.8	451.0	51.0	5.0	0.17	0.1	581
11N/35W-19E02 S	630718	7.5	1211	006	130.0	49.0	80.0	4.0	260.9	407.0	43.0		0.15	4.0	526
	620209	7.5	1322	1000	133.0	58.0	85.0	4.0	262.1	433.0	52.0		0.16	0.5	571
	671013	7.9	1234	965	113.0	26.0	86.0	5.0	213.4	443.0	53.0		0.15	0.4	513
	680503	8.4	1290	927	129.0	53.0	81.0	4.0	249.9	423.0	44.0		0.10	0.2	540
11N/35W-19E02 S	690516	8.1	1061	825	89.0	52.0	78.0	3.0	124.4	415.0	45.0		0.15	0.4	436

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3: Bicarbonate, SO4: Sulfate, Cl: Chloride, NO3: Nitrate, B. Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	Date	핌	23	TDS@180°C	S	Mg	Na	×	HCO3H	SO ₄	ū	őN	В	E	Total Hard-
State Well No.	yr/mo/da	gp	lab	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ness, mg/L
11N/35W-19K02 S	791102	7.7	297	198	13.0	0.9	34.0	2.5	53.6	0.9	54.0	2 6	0.00	0.3	57
11N/35W-20E01 S	620822	7.4	730	514	70.0	25.0	48.0	3.0	162.2	187.0	41.0	11.0	0.13	0.1	278
11N/35W-20K03 S	640206	7.3	1165	832	122.0	42.0	74.0	4.0	299.9	221.0	124.0	3.2	0.12	0.7	477
11N/35W-21K01 S	640619	7.8	615	376	53.0	15.0	54.0	2.0	156.1	104.0	55.0	3.0	0.13	0.2	194
11N/35W-21K01 S	731011	7.4	1326	1081	137.0	62.0	81.0	3.5	221.9	513.0	43.0	1.6	0.18	0.4	596
11N/35W-21K01 S	741112	8.2	1372	1032	139.0	58.0	50.0	4.3	173.1	500.0	45.0	1.5	0.20	9.0	587
11N/35W-21K01 S	751010	8.0	1365	1086	155.0	53.0	81.0	3.1	251.2	505.0	44.0	2.4	0.18	0.7	604
11N/35W-21K01 S	761007	7.7	1338	1028	142.0	55.0	83.0	3.5	213.4	501.0	48.0	2.0	0.21	0.7	581
11N/35W-21K01 S	771024	8.1	1269	950	141.0	43.0	76.0	2.8	225.6	433.0	41.0	9.0	0.22	0.5	529
11N/35W-21K01 S	791106	7.8	1070	726	115.0	38.0	62.0	2.9	195.1	349.0	41.0	2.8	0.10	0.3	443
11N/35W-21K01 S	871019	8.2	440	317	40.0	13.0	35.0	1.6	104.9	85.0	38.0	4.8	0.00	0.1	154
11N/35W-25L01 S	570829	7.5	1056	728	95.0	64.0	54.0	3.0	192.6	365.0	49.0	9.8	0.20	0.2	200
11N/35W-25L01 S	601118	7.4	929		101.0	48.0	53.0	3.0	191.4	279.0	48.0	13.0	0.13	0.5	450
11N/35W-26M01 S	580917	8.7	855	711	99.0	50.0	55.0	3.0	201.2	332.0	46.0	12.0	0.08	0.2	453
11N/35W-26M01 S	590421	8.2	985	715	103.0	37.0	61.0	3.0	187.8	301.0	35.0	12.0	0.41	9.0	409
11N/35W-26M01 S	610309	8.0	815		74.0	56.0	54.0	2.0	131.7	299.0	63.0	16.0	0.19	0.2	415
11N/35W-26M01 S	611005	7.8	940		75.0	50.0	53.0	2.0	201.2	261.0	44.0	13.0	0.18	0.3	393
11N/35W-26M01 S	620920	8.0	830	646	95.0	31.0	50.0	2.0	203.6	234.0	45.0	14.0	0.11	0.2	365
11N/35W-26M01 S	630718	7.3	857	009	78.0	34.0	56.0	2.0	173.1	234.0	43.0	13.0	90.0	0.4	335
11N/35W-26M01 S	620709	7.5	793	548	68.0	31.0	50.0	2.0	148.7	193.0	51.0	9.0		0.4	297
	651108	8.0	693	440	0.99	23.0	44.0	2.0	154.8	148.0	45.0	19.0		0.3	259
	660412	8.3	872	220	88.0	32.0	51.0	2.0	182.9	222.0	50.0	18.0		0.0	351
	661019	8.4	937	651	95.0	33.0	53.0	3.0	191.4	241.0	49.0	16.0	0.10		373
	671013	8.1	767	517	72.0	27.0	48.0	2.0	158.5	178.0	50.0	21.0	90.0	0.3	291
	680503	8.6	952	661	105.0	27.0	55.0	2.0	187.8	244.0	44.0	19.0	0.10	0.3	373
	690516	8.3	1398	1123	153.0	57.0	84.0	3.0	145.1	505.0	77.0	67.5	0.11	0.5	617
	570829	8.0	1135	799	113.0	48.0	59.0	3.0	221.9	365.0	40.0	5.5	0.80	0.2	480
	581218	7.9	1105	821	120.0	46.0	50.0	3.0	214.6	369.0	35.0	9.9	0.12	0.4	489
11N/35W-27Q01 S	601117	7.5	1069		111.0	47.0	58.0	3.0	217.0	361.0	39.0	5.7	0.19	1.0	471
_	620822	7.7	1065	772	148.0	29.0	53.0	4.0	215.8	361.0	40.0	7.0	0.14	9.0	489
	520910	7.8	1020		104.0	41.0	62.0	4.0	202.4		38.0		0.11		428
	570405	7.1	868		93.0	38.0	54.0	3.0	196.3		37.0				389
	590421	7.9	731	516	67.0	24.0	47.0	2.0	146.3	179.0	44.0	10.0	0.38	0.2	266
	600406	8.1	873	620	82.0	32.0	52.0	3.0	171.9	234.0	44.0	10.0	0.01	0.3	336
11N/35W-28B01 S	611005	8.9	530		35.0	13.0	44.0	3.0	103.6	80.0	46.0	2.6	0.24	9.0	141

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3: Bicarbonate, SO4: Sulfate, Cl: Chloride, NO3: Nitrate, B. Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

State Well No. yr/mo/da State Well No. yr/mo/da 11N/35W-28B01 S 631014 11N/35W-28B01 S 641006 11N/35W-28F01 S 650822 11N/35W-28L01 S 630718 11N/35W-28L01 S 631014 11N/35W-28L01 S 631014 11N/35W-28L01 S 641006 11N/35W-28R01 S 630718 11N/35W-28R01 S 630717 11N/35W-39R01 S 630717 11N/35W-39R01 S 630717 11N/35W-39R01 S 630717 11N/35W-39R01 S 630717	lab 7.8 8.0 8.0 7.7 7.7 8.1 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2	lab 872 1020	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L r	mg/L n	mg/L r	ness, mg/L
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		1020												
, , , , , , , , , , , , , , , , , , ,		1020		0	I									
		1020	979	84.0	37.0	54.0	3.0	190.2	254.0	37.0		0.18	0.5	362
თ ^თ თ თ თ თ თ თ თ თ თ თ თ		070	840	127.0	38.0	63.0	3.0	218.2	370.0	37.0	9.8	0.19	0.4	474
⁰		ა გ	029	98.0	38.0	57.0	3.0	198.7	290.0	45.0		0.14	9.0	401
w w w w w w w w w w w w w w w w w w w														
w w w w w w w w w w w w		1127	858	122.0	51.0	57.0	3.0	226.8	380.0	36.0		0.13	0.7	514
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		2663	2372	326.0	123.0	221.0	8.0	526.7	1145.0	140.0		0.50	0.8	1321
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		1170		131.0	48.0	0.79	5.0	224.3		34.0	0.9			525
w w w w w w w		1077	775	94.0	52.0	63.0	3.0	174.3	362.0	37.0		0.48	0.3	449
თ თ თ თ თ თ თ		1060		102.0	58.0	57.0	2.0	226.8	352.0	39.0		0.21	0.4	493
တတ္တတ္တ		1080	822	114.0	51.0	56.0	4.0	236.5	347.0	39.0	12.0	0.19	0.8	494
တတ္တတ္တ		1092	815	118.0	46.0	62.0	3.0	246.3	346.0	35.0		0.15	0.7	484
ა ი ი ი		066	808	137.0	30.0	61.0	3.0	237.7	344.0	35.0		0.19	0.2	466
တတတ		1088	810	121.0	49.0	58.0	3.0	246.3	346.0	37.0		0.18	0.8	504
တတ		1270	896	140.0	56.0	64.0	4.0	208.5	481.0	35.0			0.5	580
S		1180		107.0	58.0	74.0	4.0	140.2	466.0	48.0				206
,		1650		229.0	51.0	89.0	4.0	252.4		88.0				782
S		1530		134.0	79.0	101.0	4.3	113.4		0.96				099
S		1872	1553	236.0	93.0	93.0	4.0	470.6	634.0	93.0		0.18	0.4	972
S		1596	1173	144.0	82.0	89.0	4.0	197.5	588.0	86.0		0.34	0.3	269
S		1895	1446	229.0	85.0	91.0	4.0	442.6	591.0	110.0	12.0 (0.00	0.4	922
တ	9.7	1890	1460	228.0	91.0	97.0	4.0	469.4	618.0	92.0		0.08	2.3	944
s S		1675		180.0	84.0	90.0	4.0	260.9	627.0	0.96		0.31	0.1	795
S	6.8	1920		206.0	120.0	91.0	4.0	481.6	602.0	98.0		0.32	0.1	1008
ဟ		1969	1585	253.0	90.0	110.0	2.0	9.609	662.0	93.0		0.28	0.7	1002
တ		1961	1559	256.0	92.0	99.0	4.0	495.0	628.0	101.0	10.0	0.27	0.5	1018
S		2009	1618	234.0	103.0	103.0	4.0	492.6	637.0	102.0		0.24	9.0	1008
S		2111	1784	162.0	0.66	184.0	4.0	234.1	834.0	105.0		0.33	8.0	812
S		1841	1518	159.0	104.0	124.0	7.0	248.7	732.0	115.0		0.26	0.5	825
တ	8.2	2110	1590	250.0	94.0	106.0	5.0	514.5	655.0	93.0		0.30	0.3	1011
S		1857	1458	186.0	98.0	115.0	4.0	320.7	673.0	111.0	8.0	0.28	9.0	898
	7.8	1744	1349	190.0	91.0	101.0	4.1	397.5	587.0	90.0	8.1	0.22	0.8	848
S		1840	1440	220.0	80.0	98.0	4.9	399.9	564.0	72.0	80.0	0.20	9.0	878
11N/35W-33F02 S 271012			1040	146.0	53.0	71.0		214.6	466.0	41.0				280
11N/35W-33G01 S 850722	7.9	1300	066	153.0	54.0	0.99	3.5	314.6	364.0	44.0		0.30	0.5	604
11N/35W-34E02 S 750925		1550	1040	180.0	64.0	70.0	3.3	380.4	410.0	52.0	48.7	0.23	0.4	710

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3: Bicarbonate, SO2: Sulfate, Cl: Chloride, NO3: Nitrate, B. Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	Date	된	S	TDS@180°C	ß	Mg	Na	7	HCO3H	SO ₄	Ö	NO3	8	<u>=</u>	Total Hard-
State Well No.	yr/mo/da	lab	lab	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	ness, mg/L
11N/36W-13K02 S	670308	8.5	1500	917	48.0	20.0	246.0	4.2	357.2	186.0	171.0	1.7	0.20		203
11N/36W-13K02 S	671003	8.3	1169	707	52.0	18.0	180.0	4.0	375.5	99.0	136.0	0.5	0.14	0.4	204
11N/36W-13K02 S	760607	8.2	943	564	89.0	31.0	76.0	3.9	369.4	0.06	80.0	10.0	0.10	0.3	350
11N/36W-13K03 S	609099	8.2	504	338	48.0	14.0	29.0	3.0	130.5	39.0	55.0	18.7	0.41	0.4	178
	670308	8.5	986	458	74.0	25.0	103.0	2.4	285.3	174.0	64.0	0.8	0.10		287
11N/36W-13K03 S	671003	8.3	898	583	83.0	33.0	70.0	3.0	286.5	160.0	62.0	0.0	0.10	0.3	343
	609099	8.4	266	718	94.0	37.0	75.0	5.0	232.9	284.0	40.0	1.0	90.0	0.3	387
	670308	8.0	1000	688	89.0	38.0	68.0	2.7	225.6	264.0	39.0	2.8	0.00		379
	671002	8.0	951	665	90.0	38.0	62.0	3.0	234.1	262.0	36.0	2.3	0.07	0.3	381
	760607	8.1	943	655	99.0	37.0	57.0	3.1	225.6	271.0	38.0	3.0	0.10	4.0	399
	670308	8.7	1320	871	63.0	23.0	191.0	5.6	145.1	438.0	58.0	3.5	0.10		252
	671002	8.1	1212	881	105.0	33.0	120.0	0.9	200.0	412.0	45.0	0.5	60.0	0.3	398
	760607	7.9	1249	938	137.0	44.0	75.0	3.9	208.5	449.0	41.0	0.0	0.12	9.0	524
	670308	8.2	1450	1090	133.0	43.0	129.0	4.6	230.4	490.0	59.0	1.7	0.10		508
11N/36W-13K06 S	671002	8.0	1248	944	126.0	45.0	95.0	4.0	209.7	437.0	44.0	0.5	0.11	0.4	487
	760607	8.2	1279	970	138.0	51.0	68.0	4.3	226.8	456.0	40.0	0.0	0.08	9.0	553
11N/36W-13R01 S	520425	8.2	1220		114.0	57.0	82.0	4.0	162.2	502.0	43.0				519
	570829	7.8	1332	957	131.0	56.0	78.0	4.0	248.7	463.0	45.0		0.50	0.1	558
	580505	8.0	1299	819	140.0	57.0	80.0	4.0	256.0	465.0	58.0	6.0	0.30	0.4	584
	580917	8.0	1195	927	113.0	0.09	70.0	8.0	162.2	467.0	43.0		60.0		529
	590421	7.5	1307	983	161.0	44.0	77.0	4.0	248.7	468.0	47.0		0.34	0.1	583
_	600406	8.1	1208	856	114.0	58.0	73.0	3.0	192.6	440.0	48.0		0.10	0.2	523
11N/36W-13R01 S	610309	8.0	1280		140.0	52.0	0.69	4.0	245.1	449.0	45.0	4.1	0.23	0.1	564
11N/36W-13R01 S	620614	7.7	1260	992	142.0	55.0	68.0	4.0	256.0	451.0	45.0		0.24	0.1	581
11N/36W-13R01 S	620822	9.7	1266	993	137.0	56.0	72.0	4.0	248.7	452.0	40.0		0.21	0.5	573
11N/36W-13R01 S	630718	7.5	1279	985	138.0	55.0	84.0	4.0	256.0	456.0	42.0		0.20	0.4	571
11N/36W-13R01 S	631014	7.6	1160	1016	101.0	73.0	79.0	9.0	245.1	461.0	42.0		0.25	0.1	552
11N/36W-13R01 S	640506	7.9	1180	840	62.0	102.0	81.0	3.0	254.8	467.0	43.0		0.20	0.2	574
11N/36W-13R01 S	641006	8.3	1200	1005	141.0	54.0	78.0	4.0	267.0	452.0	41.0		0.16	0.5	574
11N/36W-13R01 S	620209	7.5	1313	1018	136.0	59.0	80.0	4.0	249.9	449.0	47.0		0.16	0.5	582
11N/36W-13R01 S	651108	8.0	1282	920	132.0	0.09	78.0	4.0	253.6	461.0	41.0		0.16	0.5	576
_	660412	8.1	1215	861	112.0	54.0	78.0	4.0	167.0	446.0	47.0		0.17	0.5	502
11N/36W-13R01 S	661019	8.2	1280	1000	127.0	53.0	73.0	3.0	214.6	447.0	41.0	1.8	0.20		535
11N/36W-13R01 S	670523	8.0	1265	1064	125.0	26.0	72.0	4.0	219.5	447.0	40.0		0.17	0.4	543
11N/36W-13R01 S	671013	7.9	1170	983	113.0	53.0	78.0	4.0	178.0	443.0	45.0		0.15	0.4	200

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg. Magnesium, Na: Sodium, K: Potassium, HCO 3: Bicarbonate, SO2: Sulfate, Cl: Chloride, NO3: Nitrate, B. Boron, FI. Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	Date	핌	EC	TDS@180°C	Ca	Mg	Ña	~	, QOH	SO ₂	ū	Š N	В	 	Total Hard-
State Well No.	yr/mo/da	lab .	lab	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ness, mg/L
11N/36W-13R01 S	680503	8.2	1340	1000	135.0	58.0	80.0	0.4	248.7	460.0	41.0	2.2	0.10	0.2	576
11N/36W-13R01 S	680920	7.7	1290	1002	127.0	59.0	75.0	3.0	242.6	460.0	40.0	1.5	0.15	0.4	560
11N/36W-13R01 S	690516	8.1	1138	006	107.0	55.0	76.0	3.0	158.5	446.0	41.0	0.4	0.17	0.5	494
11N/36W-13R01 S	690924	8.0	1271	1016	139.0	59.0	68.0	4.0	236.5	456.0	43.0	2.0	0.15	0.5	590
11N/36W-13R01 S	700409	8.1	1207	913	116.0	57.0	75.0	3.0	187.8	449.0	40.0	2.0	0.18	0.5	524
11N/36W-13R01 S	700916	8.1	1271	696	134.0	55.0	75.0	3.0	231.7	456.0	41.0	3.4	0.15	0.4	561
	710324	7.9	1255	884	130.0	61.0	0.69	4.0	231.7	442.0	45.0	0.0	0.16	0.4	576
11N/36W-13R01 S	710920	8.1	1245	296	138.0	55.0	77.0	3.2	253.6	451.0	40.0	4.	0.17	0.4	571
11N/36W-13R01 S	720321	8.1	1120	878	102.0	55.0	72.0	3.7	134.1	450.0	41.0	1.8	0.17	0.5	481
11N/36W-13R01 S	721106	7.9	1214	938	120.0	55.0	77.0	3.3	204.8	444.0	41.0	0.7	0.21	0.4	526
11N/36W-13R01 S	730524	8.0	1225	931	126.0	48.0	73.0	3.4	185.3	441.0	41.0	1.7	0.21	0.5	513
11N/36W-13R01 S	731018	7.8	1203	895	111.0	55.0	76.0	3.3	173.1	448.0	39.0	2.0	0.18	0.4	503
	740527	8.5	1256	966	143.0	52.0	74.0	3.1	232.9	450.0	44.0	3.5	0.16	0.5	568
11N/36W-13R01 S	741024	9.5	1256	973	127.0	53.0	76.0	3.1	204.8	443.0	41.0	2.4	0.14	0.5	534
11N/36W-13R01 S	750515	8.1	1148	869	99.0	52.0	77.0	3.1	136.6	436.0	40.0	0.0	0.09	0.4	459
	760922		1240		130.0	51.0	74.0	4.0	248.7	440.0	39.0	2.3	0.18	0.2	530
11N/36W-13R01 S	771020		1250	872	130.0	53.0	75.0	0.9	230.4	440.0	38.0		0.20		550
11N/36W-35J02 S	670928	7.7	1090	811	106.0	46.0	63.0	4.0	260.9	332.0	28.0	1.3	0.12	0.4	454
	760521	8.1	1038	747	101.0	50.0	0.09	2.8	234.1	335.0	31.0	2.0	0.12	9.0	458
	760604	8.0	1072	795	107.0	50.0	58.0	3.1	258.5	340.0	27.0	0.7	0.07	9.0	473
	770726		1050	860	110.0	49.0	0.09	3.2	259.7	340.0	28.0		0.10		470
	780803		1000		97.0	46.0	54.0	3.5	243.8	330.0	29.0	2.3	0.15	0.1	430
	791010		1090		110.0	47.0	56.0	3.7	256.0	330.0	29.0	2.2	0.14	0.2	470
	801015	7.5		402	110.0	49.0	63.0	3.4		360.0	28.0		0.17	0.2	480
	811016	7.6	1090	790	110.0	47.0	58.0	2.8		360.0	25.0		0.15	0.2	470
	821015	7.6	975		110.0	48.0	59.0	3.1	243.8	340.0	29.0	2.1	0.15	0.2	470
11N/36W-35J02 S	831012	7.5	1100		110.0	49.0	59.0	3.0	268.2	360.0	29.0	2.2	0.14	0.2	
	841011	7.4	1030		110.0	47.0	58.0	3.1	335.3	330.0	28.0	2.0	0.14	0.2	
11N/36W-35J02 S	851016	7.7	1070		110.0	49.0	59.0	3.0	254.8	340.0	29.0	2.2	0.15	0.2	
	861021	7.5	1060		110.0	47.0	54.0	3.3	262.1	370.0	32.0	2.2	0.15	0.2	
11N/36W-35J02 S	871028	7.5	1080	773	110.0	48.0	26.0	2.2	276.8	340.0	26.0	2.1	0.15	0.2	
11N/36W-35J02 S	880927	7.5	896	787	110.0	51.0	0.09	3.1	259.7	350.0	27.0	2.8	0.15	0.2	
11N/36W-35J02 S	890919	7.5	1110	780	100.0	46.0	57.0	3.5	270.7	340.0	28.0	2.1	0.14	0.2	
	900814	7.5	1060	758	110.0	47.0	58.0	3.2	268.2	320.0	26.0	2.2	0.15	0.3	
11N/36W-35J02 S	910827	9.7	1104	770	110.0	48.0	57.0	3.2	259.7	370.0	33.0	2.1	0.15	0.2	

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3: Bicarbonate, SO4: Sulfate, CI: Chloride, NO3: Nitrate, B. Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

Sep Sep		Date	H	EC.	TDS@180°C	e C	Ma	e N	_	N HCO.	Ċ.	2	Š	ď	ū	Total Hard-
S 950825 7.8 1050 746 110.0 48.0 57.0 3.2 286.3 320.0 26.7 2.0 20.0 26.7 2.0 20.0 26.7 2.0 20.0 26.0 2.0 <th>State Well No.</th> <th>yr/mo/da</th> <th>lab</th> <th></th> <th>mg/L</th> <th>mg/L</th> <th>ma/L</th> <th>ma/L</th> <th>ma/L</th> <th>ma/L</th> <th>ma/L</th> <th>ma/L</th> <th>_</th> <th></th> <th></th> <th>ness. ma/L</th>	State Well No.	yr/mo/da	lab		mg/L	mg/L	ma/L	ma/L	ma/L	ma/L	ma/L	ma/L	_			ness. ma/L
S 992022 7.8 1050 746 110.0 48.0 57.0 3.2 28.3 3.0 2.0 10.1 0.0 4.0 7.0 4.0 7.0 3.2 28.3 3.0 2.0 <t< td=""><td></td><td></td><td></td><td></td><td></td><td>8</td><td>0</td><td></td><td></td><td></td><td></td><td></td><td>1</td><td>٠.</td><td>-1</td><td>5</td></t<>						8	0						1	٠.	-1	5
S 966327 74 1070 776 1070 522 570 32 260,9 3820 267 22 0.02 S 961327 74 1040 771 1040 771 1040 771 1040 771 1040 771 1040 771 1040 467 570 31 280 380 281 266 380 21 1070 370 31 280 380 21 1070 370 31 280 380 281 366 31 360 31 280 380 361 480 361 380 380 361 380 361 480 361 360 380 361 480 361 362 360		920825	7.8	1050	746	110.0	48.0	57.0	3.2	263.4	320.0	31.0	2.1	0.14	9.0	
S 964120 8.0 1040 761 100.0 47.0 57.0 31 2290 280 220 21 0.16 0.2 S 9841120 7.4 1063 777 1043 46.7 54.7 22.9 280 22.0 54.0 10.0 0.0 S 9841172 7.4 1063 1720 61.0 87.0 42.0 289 40.0 62.0 10.0 0.0 S 760024 7.8 1380 1100 140.0 88.0 3.2 28.5 19.9 40.0 6.0 10.0 0.0 S 7700728 7.8 1380 1100 150.0 89.0 49.0 58.0 110.0 0.0 S 770076 140.0 87.0 89.0 49.0 58.0 120.0 10.0 0.0 S 780040 180.0 190.0 59.0 79.0 41.0 29.0 10.0 10.0 10.0		960327	7.4	1070	2776	107.0	52.2	57.0	3.2	260.9	362.0	26.7	2.2	0.20		
S 9971120 7.4 1063 7771 108.9 46.7 54.7 2.56.0 32.94 2.56.0 32.94 2.56.0 32.96 32.94 2.0 0.0		961120	8.0	1040	761	100.0	47.0	57.0	3.1	229.0	330.0	28.0	2.1	0.16	0.2	
S 981117 74 1051 777 104.3 48.7 56.1 32 236.5 319.3 26.0 21 0.1 0.2 S 670928 7.8 1367 102.0 55.0 89.0 4.0 239.0 462.0 55.0 11.4 0.0 1.0 1.0 1.0 88.0 4.0 239.0 48.0 5.0 1.0 1.0 1.0 1.0 88.0 4.0 239.0 490.0 54.0 1.0		971120	7.4	1063	771	108.9	46.7	54.7	2.9	256.0	329.4	26.3	2.1	0.16	0.2	
S 670928 7.8 1387 1031 132.0 55.0 89.0 4.0 239.0 462.0 54.0 10.8 0.1 4.0 239.0 11.0 10.0 11.0		981117	7.4	1051	777	104.3	48.7	56.1	3.2	236.5	319.3	26.9	2.1	0.16	0.2	
S 760604 7.8 1889 1059 1290 61.0 88.0 3.5 1914 495.0 59.0 114.0 0.7 S 770726 1380 1130 150.0 580 179.0 540		670928	7.8	1367	1031	132.0	55.0	89.0	4.0	239.0	462.0	54.0	10.8	0.18	9.0	556
S 770726 1360 1130 1500 680 87.0 35 249.9 64.0 64		760604	7.8	1389	1059	129.0	61.0	88.0	3.5	191.4	495.0	59.0	11.4	0.16	0.7	573
S 780863 1020 140.0 58.0 79.0 4.1 231.7 470.0 58.0 79.0 4.1 231.7 470.0 58.0 79.0 4.3 266.0 59.0 79.0 4.3 266.0 31.0 59.0 79.0 4.2 266.0 59.0 79.0 4.2 266.0 59.0 79.0 4.2 266.0 59.0 79.0 4.2 266.0 59.0 79.0 4.2 266.0 59.0 79.0 4.0 59.0 79.0 4.0 59.0 79.0 4.4 4.0 59.0 79.0 4.0 59.0 79.0 4.0 59.0 79.0 4.0 59.0 79.0 4.4 4.0 59.0 79.0 4.0 59.0 79.0 4.4 99.0 79.0 4.0 59.0 79.0 4.4 70.0 69.0 89.0 3.0 89.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 <th< td=""><td>11N/36W-35J03 S</td><td>770726</td><td></td><td>1360</td><td>1130</td><td>150.0</td><td>58.0</td><td>87.0</td><td>3.5</td><td>249.9</td><td>490.0</td><td>54.0</td><td></td><td>0.10</td><td></td><td>610</td></th<>	11N/36W-35J03 S	770726		1360	1130	150.0	58.0	87.0	3.5	249.9	490.0	54.0		0.10		610
S 740101 1480 150.0 590 79.0 4.3 256.0 510.0 580.0 150.0 590 79.0 4.3 256.0 510.0 520 120.0 10.4 10.2 10.4 10.2 10.4 10.2 10.4 10.2 10.4 10.2 10.4 10.2 10.4 10.2 10.4 10.2 10.4 10.2 10.4 10.2 10.4 10.2 10.4 10.2 10.4 10.2 10.4 10.2 10.4 10.2 10.4 10.2 10.4 10.2 10.4 10.2 10.4 <	11N/36W-35J03 S	780803		1020		140.0	58.0	79.0	4.1	231.7	470.0	58.0		0.21	4.0	590
8 01015 7.5 1330 904 120.0 57.0 78.0 3.9 440.0 52.0 021 0.4 8 11016 7.7 1520 1150 160.0 63.0 85.0 3.1 50.0 62.0 02.1 0.4 8 21012 7.5 1400 170.0 69.0 89.0 3.6 268.2 570.0 62.0 62.0 0.4 8 81012 7.6 1600 70.0 69.0 89.0 3.6 285.2 670.0 66.0 12.4 0.20 0.4 8 81012 7.7 1580 170.0 68.0 89.0 3.6 287.0 66.0 14.2 0.2 0.4 0.4 8 80121 7.7 1580 170.0 68.0 89.0 3.4 26.0 66.0 14.2 0.2 0.4 0.4 8 80021 7.7 1600 160.0 69.0 89.0 3.7 269.2 570.0 66.0 14.2 0.2		791010		1480		150.0	59.0	79.0	4.3	256.0	510.0	58.0	12.0	0.19	0.5	620
8 8 1 5 6	11N/36W-35J03 S	801015	9.7	1330	904	120.0	57.0	78.0	3.9		440.0	52.0		0.21	0.4	530
S 21015 7.5 1400 170.0 67.0 88.0 3.8 268.2 570.0 64.0 124 0.20 0.4 S 831012 7.4 1500 170.0 69.0 89.0 3.6 268.2 570.0 65.0 12.0 0.0 S 81012 7.4 1500 170.0 69.0 89.0 3.6 285.3 600.0 65.0 142.0 0.2 0.4 S 81012 7.7 1600 170.0 65.0 86.0 3.9 279.2 660.0 67.0	11N/36W-35J03 S	811016	7.7	1520	1150	160.0	63.0	85.0	3.1		570.0	62.0		0.21	0.4	099
8 31012 7.4 1500 170.0 69.0 89.0 3.6 268.2 570.0 65.0 12.0 0.20 0.4 8 8 1016 7.6 1600 170.0 69.0 86.0 3.6 570.0 65.0 14.2 0.21 0.4 8 8 1012 7.7 1680 170.0 670.0 86.0 3.9 286.0 66.0 14.2 0.21 0.4 8 8 1012 7.7 1680 170.0 650.0 86.0 3.9 286.0 66.0 66.0 67.0 67.0 67.0 86.0 67.0		821015	7.5	1400		170.0	67.0	88.0	3.8	268.2	570.0	64.0	12.4	0.20	0.4	700
8 51016 7.6 1600 190.0 73.0 89.0 3.6 285.3 600.0 66.0 14.2 0.21 0.4 8 61021 7.7 1860 170.0 68.0 86.0	11N/36W-35J03 S	831012	7.4	1500		170.0	69.0	89.0	3.6	268.2	570.0	65.0	12.0	0.20	0.4	
8 61021 7.7 1580 170.0 68.0 86.0 3.5 287.7 570.0 62.0 137.0 69.0 86.0 3.5 287.7 570.0 62.0 170.0 60.0 85.0 3.9 279.2 580.0 61.0 15.5 0.21 0.4 8 80927 7.8 1380 1070 140.0 65.0 86.0 3.4 264.6 520.0 51.0 14.6 0.21 0.4 8 80937 7.5 1450 1060 160.0 66.0 88.0 3.7 289.6 60.0 67.0 17.3 0.2 8 903285 7.4 1568 160.0 66.0 88.0 3.9 282.2 550.0 56.0 10.2 0.4 8 903285 7.4 1568 1230 179.0 66.0 88.0 4.0 282.2 550.0 56.0 17.3 0.3 8 961120 7.4 1560 160.0 66.0 87.0 28.0 56.0		851016	9.7	1600		190.0	73.0	89.0	3.6	285.3	0.009	66.0	14.2	0.21	0.4	
S 871028 7.7 1600 1200 170.0 65.0 86.0 3.4 264.6 520.0 61.0 15.5 0.24 0.4 S 880927 7.8 1380 170.0 140.0 65.0 86.0 3.4 264.6 520.0 61.0 14.6 0.21 0.4 S 880927 7.8 1380 170.0 160.0 66.0 88.0 3.7 289.9 600.0 62.0 18.6 0.21 0.4 S 920827 7.4 1520 1060 160.0 66.0 88.0 4.0 282.9 50.0 50.0 20.2 0.2 S 930827 7.4 1520 160.0 66.0 88.0 4.0 284.0 550.0 50.0 20.2 0.1 0.3 S 961120 7.9 1530 1150 160.0 66.0 87.0 284.0 550.0 50.0 20.2 0.1 0.0 S		861021	7.7	1580		170.0	68.0	86.0	3.5	287.7	570.0	62.0	13.7	0.21	4.0	
S 880927 7.8 1380 1070 140.0 65.0 86.0 3.4 264.6 520.0 51.0 14.6 0.21 0.4 S 890919 7.5 1650 1230 170.0 69.0 88.0 3.7 299.9 600.0 62.0 18.6 0.21 0.4 S 9908724 7.5 1450 1060 160.0 66.0 83.0 3.9 282.9 50.0 50.0 17.3 0.2 S 920825 7.7 1450 160.0 66.0 83.0 3.9 282.9 50.0 50.0 50.1 0.4 S 961120 7.4 1560 160.0 66.0 87.0 3.7 284.0 550.0 56.0 50.2 26.1 0.3 S 961120 7.4 1560 160.0 66.0 87.0 281.0 550.0 56.0 67.0 67.0 67.0 67.0 67.0 67.0 67.0 <		871028	7.7	1600	1200	170.0	70.0	85.0	3.9	279.2	580.0	61.0	15.5	0.21	0.4	
S 890919 7.5 1650 1230 170.0 69.0 88.0 3.7 299.9 600.0 62.0 18.6 0.21 0.4 S 990724 7.5 1450 1060 160.0 63.0 84.0 3.9 282.9 520.0 56.0 17.3 0.21 0.3 S 990724 7.5 1450 1060 66.0 83.0 3.9 282.9 520.0 56.0 17.3 0.21 0.3 S 940127 7.4 1558 1230 1490 66.0 86.0 4.0 285.3 550.0 56.0 17.3 0.3 S 940127 7.4 1568 1450 66.0 87.0 37.0 560.0 56.0 17.3 0.21 0.3 S 941120 7.4 1560 66.0 87.0 37.0 56.0 17.3 0.21 0.3 S 941120 7.4 1560 66.0 87.0 <td></td> <td>880927</td> <td>7.8</td> <td>1380</td> <td>1070</td> <td>140.0</td> <td>65.0</td> <td>86.0</td> <td>3.4</td> <td>264.6</td> <td>520.0</td> <td>51.0</td> <td>14.6</td> <td>0.21</td> <td>4.0</td> <td></td>		880927	7.8	1380	1070	140.0	65.0	86.0	3.4	264.6	520.0	51.0	14.6	0.21	4.0	
S 900724 7.5 1450 1060 160.0 63.0 84.0 3.9 268.2 520.0 56.0 17.3 0.21 S 920825 7.7 1520 1080 160.0 66.0 83.0 3.9 282.9 520.0 50.0 50.5 0.21 0.3 S 931119 7.3 1530 1130 160.0 66.0 80.0 4.0 285.3 550.0 63.0 20.4 0.3 S 960327 7.4 1558 1230 179.0 66.0 87.0 37.2 287.0 550.0 63.0 20.1 0.3 S 961120 7.4 1560 160.0 66.0 87.0 37.2 287.0 550.0 62.3 30.2 0.5 S 961120 7.4 160.0 66.0 87.0 37.0 287.0 550.0 62.3 30.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2		890919	7.5	1650	1230	170.0	0.69	88.0	3.7	299.9	0.009	62.0	18.6	0.21	0.4	
S 920825 7.7 1520 1080 160.0 66.0 83.0 3.9 282.9 520.0 59.0 20.5 0.21 0.3 S 931119 7.3 1530 1130 160.0 66.0 86.0 4.0 285.3 550.0 63.0 214 0.21 0.3 S 960327 7.4 1558 1230 179.0 64.0 86.0 4.0 285.3 560.0 63.0 63.0 67.0 63.0 <td>11N/36W-35J03 S</td> <td>900724</td> <td>7.5</td> <td>1450</td> <td>1060</td> <td>160.0</td> <td>63.0</td> <td>84.0</td> <td>3.9</td> <td>268.2</td> <td>520.0</td> <td>56.0</td> <td>17.3</td> <td>0.21</td> <td></td> <td></td>	11N/36W-35J03 S	900724	7.5	1450	1060	160.0	63.0	84.0	3.9	268.2	520.0	56.0	17.3	0.21		
S 931119 7.3 1530 1130 160.0 66.0 86.0 4.0 285.3 550.0 63.0 21.4 0.21 0.3 S 960327 7.4 1558 1230 179.0 64.0 88.0 4.0 291.4 566.0 56.7 26.1 0.28 S 961120 7.9 1530 1150 160.0 66.0 87.0 3.7 254.0 560.0 59.0 25.3 0.25 0.5 S 971120 7.4 1640 1222 179.6 74.0 85.7 28.0 557.2 62.9 32.0 0.5 S 981117 7.4 1690 172.0 90.0 4.0 264.6 550.0 62.3 31.3 0.2 0.5 S 760604 8.1 1650 166.0 190.0 73.0 90.0 4.4 292.6 590.0 72.0 0.2 0.2 0.5 S 770726 8.1	11N/36W-35J03 S	920825	7.7	1520	1080	160.0	0.99	83.0	3.9	282.9	520.0	59.0	20.5	0.21	0.3	
S 960327 7.4 1558 1230 179.0 64.0 88.0 4.0 291.4 556.0 56.7 26.1 0.28 S 961120 7.9 1530 1150 160.0 66.0 87.0 3.7 254.0 550.0 56.2 0.5 0.5 S 971120 7.4 1640 1222 179.6 70.6 83.4 3.7 287.0 557.2 62.9 32.0 0.21 0.5 S 971120 7.4 1640 1222 179.6 74.0 85.7 3.9 278.0 550.0 62.3 31.3 0.23 0.4 S 670928 7.5 1650 1460 170.0 4.0 264.6 530.0 66.0 11.5 0.14 0.7 S 770726 8.1 1650 1460 170.0 170 4.4 292.6 590.0 72.0 10.2 10.2 10.2 10.2 10.2 10.2 <t< td=""><td>11N/36W-35J03 S</td><td>931119</td><td>7.3</td><td>1530</td><td>1130</td><td>160.0</td><td>0.99</td><td>86.0</td><td>4.0</td><td>285.3</td><td>550.0</td><td>63.0</td><td>21.4</td><td>0.21</td><td>0.3</td><td></td></t<>	11N/36W-35J03 S	931119	7.3	1530	1130	160.0	0.99	86.0	4.0	285.3	550.0	63.0	21.4	0.21	0.3	
S 961120 7.9 1530 1150 160.0 66.0 87.0 3.7 254.0 530.0 590.0 25.3 0.22 0.5 S 971120 7.4 1640 1222 179.6 70.6 83.4 3.7 287.0 550.0 62.3 31.3 0.23 0.7 S 971120 7.4 1640 1222 179.6 70.6 83.4 3.7 287.0 650.0 62.3 31.3 0.23 0.4 S 670928 7.5 1650 177 159.0 67.0 90.0 4.0 264.6 530.0 66.0 11.5 0.1 S 760604 8.1 1650 1256 184.0 72.0 90.0 3.8 296.3 660.0 71.0 90.0 S 780803 1540 190.0 72.0 90.0 4.4 292.6 590.0 72.0 10.2 0.0 S 791010 7.6 1	11N/36W-35J03 S	960327	7.4	1558	1230	179.0	64.0	88.0	4.0	291.4	556.0	26.7	26.1	0.28		
S 971120 7.4 1640 1222 179.6 70.6 83.4 3.7 287.0 557.2 62.9 32.0 0.21 0.5 S 981117 7.4 1590 1198 164.7 74.0 85.7 3.9 278.0 550.0 62.3 31.3 0.23 0.4 S 670928 7.5 1533 1177 159.0 67.0 90.0 4.0 264.6 530.0 66.0 11.5 0.1 0.7 S 760604 8.1 1650 1256 184.0 72.0 90.0 4.3 296.3 582.0 71.0 9.6 0.21 0.8 S 770726 1650 1700 72.0 90.0 4.4 292.6 590.0 72.0 0.0 S 791010 77.0 90.0 4.4 292.6 590.0 72.0 0.0 0.2 S 801015 7.6 1700 73.0 91.0 4.4 <td>11N/36W-35J03 S</td> <td>961120</td> <td>7.9</td> <td>1530</td> <td>1150</td> <td>160.0</td> <td>0.99</td> <td>87.0</td> <td>3.7</td> <td>254.0</td> <td>530.0</td> <td>59.0</td> <td>25.3</td> <td>0.22</td> <td>0.5</td> <td></td>	11N/36W-35J03 S	961120	7.9	1530	1150	160.0	0.99	87.0	3.7	254.0	530.0	59.0	25.3	0.22	0.5	
S 981117 7.4 1590 1198 164.7 74.0 85.7 3.9 278.0 560.0 62.3 31.3 0.23 0.4 S 670928 7.5 1533 1177 159.0 67.0 90.0 4.0 264.6 530.0 66.0 11.5 0.14 0.7 S 760604 8.1 1650 1256 184.0 72.0 90.0 3.8 296.3 582.0 71.0 9.6 0.21 0.8 S 770726 1650 1700 72.0 90.0 4.4 292.6 590.0 72.0 0.2 0.2 S 77010 1700 190.0 73.0 91.0 4.6 304.8 630.0 72.0 10.2 0.20 0.5 S 79101 7.7 1770 90.0 94.0 4.3 650.0 73.0 97.0 0.5 S 821015 7.5 1600 20.0 80.0 94.0 <td></td> <td>971120</td> <td>7.4</td> <td>1640</td> <td>1222</td> <td>179.6</td> <td>9.07</td> <td>83.4</td> <td>3.7</td> <td>287.0</td> <td>557.2</td> <td>67.9</td> <td>32.0</td> <td>0.21</td> <td>0.5</td> <td></td>		971120	7.4	1640	1222	179.6	9.07	83.4	3.7	287.0	557.2	67.9	32.0	0.21	0.5	
S 670928 7.5 153 1177 159.0 67.0 90.0 4.0 264.6 530.0 66.0 11.5 0.14 0.7 S 760604 8.1 1650 1256 184.0 72.0 90.0 3.8 296.3 680.0 71.0 9.6 0.21 0.8 S 770726 1650 1460 190.0 73.0 86.0 4.3 299.9 600.0 72.0 0.20 0.20 S 77072 1700 190.0 72.0 90.0 4.4 292.6 590.0 72.0 0.19 0.7 S 791010 1700 73.0 91.0 4.6 304.8 630.0 72.0 10.2 0.20 0.5 S 801015 7.6 1770 90.0 90.0 3.7 650.0 73.0 97.0 0.7 0.4 S 821015 7.5 1600 80.0 90.0 3.7 650.0 73.0 </td <td></td> <td>981117</td> <td>7.4</td> <td>1590</td> <td>1198</td> <td>164.7</td> <td>74.0</td> <td>85.7</td> <td>3.9</td> <td>278.0</td> <td>550.0</td> <td>62.3</td> <td>31.3</td> <td>0.23</td> <td>0.4</td> <td></td>		981117	7.4	1590	1198	164.7	74.0	85.7	3.9	278.0	550.0	62.3	31.3	0.23	0.4	
S 760604 8.1 1650 1256 184.0 72.0 90.0 3.8 296.3 582.0 71.0 9.6 0.21 0.8 S 770726 1650 1460 190.0 73.0 86.0 4.3 299.9 600.0 72.0 0.20 S 780803 1540 190.0 72.0 90.0 4.4 292.6 590.0 78.0 10.6 0.19 0.4 S 791010 77.0 90.0 4.4 292.6 590.0 78.0 10.2 0.19 0.4 S 801015 7.6 7.0 90.0 94.0 4.3 650.0 78.0 10.6 0.20 0.5 S 811016 7.7 1770 200.0 80.0 90.0 3.7 620.0 78.0 9.7 0.2 0.5 S 821015 7.4 1850 9.0 9.0 3.9 329.2 660.0 78.0 9.7 0.2		670928	7.5	1533	1177	159.0	67.0	90.0	4.0	264.6	530.0	0.99	11.5	0.14	0.7	673
S 770726 1650 1460 190.0 73.0 86.0 4.3 299.9 600.0 72.0 0.20 S 780803 1540 190.0 72.0 90.0 4.4 292.6 590.0 78.0 10.6 0.19 0.4 S 791010 1700 190.0 73.0 91.0 4.6 304.8 630.0 72.0 10.2 0.20 0.5 S 801015 7.6 7.7 1770 200.0 80.0 94.0 4.1 317.0 650.0 78.0 10.6 0.20 0.5 S 821015 7.5 1600 20.0 80.0 93.0 4.1 317.0 650.0 78.0 9.7 0.2 0.5 S 831012 7.4 1850 84.0 93.0 3.9 329.2 660.0 78.0 9.7 0.21 0.4		760604	8.1	1650	1256	184.0	72.0	90.0	3.8	296.3	582.0	71.0	9.6	0.21	9.0	755
S 780803 1540 190.0 72.0 90.0 4.4 292.6 590.0 78.0 10.6 0.19 0.4 S 791010 1700 190.0 73.0 91.0 4.6 304.8 630.0 72.0 10.2 0.20 0.5 S 801015 7.6 7.7 1770 200.0 80.0 94.0 4.3 620.0 78.0 10.6 0.20 0.5 S 811016 7.7 1770 80.0 90.0 3.7 620.0 73.0 9.7 0.21 0.4 S 821015 7.5 1600 210.0 80.0 93.0 4.1 317.0 650.0 78.0 9.7 0.2 0.5 S 831012 7.4 1850 220.0 84.0 93.0 3.9 329.2 660.0 78.0 9.7 0.21 0.4		770726		1650	1460	190.0	73.0	86.0	4.3	299.9	0.009	72.0		0.20		780
S 791010 1700 190.0 73.0 91.0 4.6 304.8 630.0 72.0 10.2 0.20 0.5 S 801015 7.6 200.0 80.0 94.0 4.3 650.0 78.0 10.6 0.20 0.5 S 811016 7.7 1770 200.0 80.0 90.0 3.7 620.0 73.0 9.7 0.21 0.4 S 821015 7.5 1600 210.0 80.0 93.0 4.1 317.0 650.0 78.0 9.7 0.2 0.5 S 831012 7.4 1850 220.0 84.0 93.0 3.9 329.2 660.0 78.0 9.7 0.21 0.4		780803		1540		190.0	72.0	90.0	4.4	292.6	590.0	78.0	10.6	0.19	0.4	770
801015 7.6 200.0 80.0 94.0 4.3 650.0 78.0 10.6 0.20 0.5 811016 7.7 1770 200.0 80.0 90.0 3.7 620.0 73.0 9.7 0.21 0.4 821015 7.5 1600 210.0 80.0 93.0 4.1 317.0 650.0 78.0 9.7 0.22 0.5 831012 7.4 1850 220.0 84.0 93.0 3.9 329.2 660.0 78.0 9.7 0.21 0.4		791010		1700		190.0	73.0	91.0	4.6	304.8	630.0	72.0	10.2	0.20	0.5	780
S 811016 7.7 1770 200.0 80.0 90.0 3.7 620.0 73.0 9.7 0.21 0.4 S 821015 7.5 1600 210.0 80.0 93.0 4.1 317.0 650.0 78.0 9.7 0.22 0.5 S 831012 7.4 1850 220.0 84.0 93.0 3.9 329.2 660.0 78.0 9.7 0.21 0.4	11N/36W-35J04 S	801015	9.7			200.0	80.0	94.0	4.3		650.0	78.0	10.6	0.20	0.5	830
S 821015 7.5 1600 210.0 80.0 93.0 4.1 317.0 650.0 78.0 9.7 0.22 0.5 S 831012 7.4 1850 220.0 84.0 93.0 3.9 329.2 660.0 78.0 9.7 0.21 0.4	11N/36W-35J04 S	811016	7.7	1770		200.0	80.0	90.0	3.7		620.0	73.0	9.7	0.21	0.4	830
S 831012 7.4 1850 220.0 84.0 93.0 3.9 329.2 660.0 78.0 9.7 0.21	11N/36W-35J04 S	821015	7.5	1600		210.0	80.0	93.0	4.1	317.0	650.0	78.0	9.7	0.22	0.5	850
	11N/36W-35J04 S	831012	7.4	1850		220.0	84.0	93.0	3.9	329.2	0.099	78.0	9.7	0.21	0.4	

EC: Electrical Conductivity in umbos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO ; Bicarbonate, SO.; Sulfate, Cl: Chloride, NO.; Nitrate, B. Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	ateC	1	Ľ	TDS@180°C.	5	Z.		7	000	0	ī	2	0	-	1000
	3	<u>.</u>			5	n N	2		 ဦ	ე ბ	5			_	lotal nard-
State Well No.	yr/mo/da	lab	lab	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ness, mg/L
11N/36W-35J04 S	841011	7.5	1850		210.0	87.0	99.0	3.9	408.4	0.069	80.0	9.7	0.22	9.0	
11N/36W-35J04 S	851016	7.5	1830		220.0	89.0	94.0	3.8	334.1	710.0	80.0	11.1	0.22	0.4	
11N/36W-35J04 S	861021	7.5	1790		220.0	88.0	93.0	4.2	349.9	0.069	78.0	11.1	0.22	0.4	
	871028	7.5	1930	1490	220.0	86.0	90.0	0.3	346.3	740.0	77.0	12.8	0.23	0.4	
11N/36W-35J04 S	880927	7.7	1740	1490	210.0	93.0	96.0	4.0	356.0	750.0	77.0	14.2	0.23	0.4	
11N/36W-35J04 S	890919	7.5	1950	1510	220.0	87.0	95.0	4.3	363.3	750.0	77.0	14.6	0.22	0.4	
11N/36W-35J04 S	900724	7.5	1840	1530	220.0	89.0	95.0	4.3	358.4	730.0	80.0	15.1	0.24	0.3	
11N/36W-35J04 S	910827	7.6	1910	1530	230.0	90.0	94.0	4.3	359.7	810.0	84.0	16.8	0.24	0.4	
11N/36W-35J04 S	920826	7.6	1920	1480	220.0	90.0	93.0	4.5	360.9	700.0	77.0	17.4	0.24	9.0	
11N/36W-35J04 S	931119	7.2	1930	1510	220.0	88.0	95.0	4.4	368.2	730.0	78.0	18.7	0.24	0.3	
11N/36W-35J04 S	960327	7.4	1875	1500	343.0	20.5	96.0	4.4	358.4	665.0	72.0	22.6	0.33		
11N/36W-35J04 S	961120	7.9	1880	1460	210.0	86.0	96.0	4.0	326.0	0.069	76.0	23.0	0.24	0.5	
11N/36W-35J04 S	971120	7.3	1920	1486	226.1	87.3	89.8	4.0	352.0	682.3	73.7	19.2	0.24	4.0	
11N/36W-35J04 S	981117	7.3	1870	1470	201.8	92.5	97.6	4.4	343.8	663.5	76.7	27.3	0.25	0.4	
11N/36W-35J05 S	670422	7.3	1316	1048	140.0	51.0	96.0	4.0	259.7	467.0	48.0	4.0	0.16	0.7	559
11N/36W-35J05 S	670928	7.4	1341	1029	134.0	57.0	81.0	4.0	259.7	453.0	45.0	5.0	0.13	0.7	269
	760604	8.1	1394	1043	162.0	62.0	74.0	3.0	279.2	484.0	51.0	0.9	0.18	6.0	629
	770726		1380	922	160.0	0.09	75.0	3.5	269.4	500.0	49.0		0.10		650
	791010		1490		160.0	0.99	77.0	4.0	268.2	520.0	51.0	5.3	0.17	0.5	670
	801015	9.7	1400		130.0	59.0	69.0	3.7		470.0	49.0	5.3	0.19	0.5	570
	811016	7.5	1450		160.0	63.0	75.0	3.0		530.0	49.0	4.4	0.18	0.4	099
11N/36W-35J05 S	831012	7.3	1250		170.0	64.0	74.0	3.4	268.2	540.0	53.0	4.2	0.18	0.5	
11N/36W-35J05 S	841011	7.4	1450		160.0	64.0	76.0	3.3	351.1	520.0	52.0	3.9	0.18	0.5	
11N/36W-35J05 S	851016	9.7	1460		170.0	65.0	0.69	3.2	285.3	530.0	54.0	4.4	0.20	0.5	
11N/36W-35J05 S	861021	7.5	1470		170.0	0.99	78.0	3.4	296.3	520.0	53.0	4.9	0.19	0.4	
	871028	7.5	1550	1100	170.0	0.99	75.0	3.6	304.8	520.0	52.0	5.3	0.19	0.5	
11N/36W-35J05 S	880927	7.7	1440	1190	180.0	73.0	79.0	3.4	307.2	590.0	56.0	9.9	0.20	0.5	
	890919	7.4	1560	1130	170.0	0.99	77.0	4.0	299.9	580.0	53.0	6.2	0.19	0.4	
	900724	7.5	1545	1220	200.0	72.0	80.0	4.0	308.5	0.009	59.0	7.1	0.21		
11N/36W-35J05 S	920826	9.7	1580	1190	190.0	0.89	74.0	3.9	314.6	550.0	58.0	7.1	0.20	0.5	
11N/36W-35J05 S	931119	7.3	1610	1200	190.0	71.0	80.0	1.3	360.9	0.009	0.09	8.0	0.20	0.4	
11N/36W-35J05 S	960327	7.4	1570	1210	182.0	68.9	82.0	3.8	315.8	554.0	52.5	8.9	0.27		
11N/36W-35J05 S	961121	7.9	1570	1210	180.0	0.69	80.0	3.7	279.0	570.0	57.0	8.4	0.21	0.5	
11N/36W-35J05 S	971120	7.3	1640	1228	187.6	70.0	75.4	3.4	313.0	558.2	57.7	10.0	0.21	0.5	
11N/36W-35J05 S	981117	7.3	1590	1216	163.4	75.3	6.77	4.1	292.6	555.3	59.3	11.4	0.21	0.5	

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3; Bicarbonate, SO2; Sulfate, CI: Chloride, NO3; Nitrate, B. Boron, FI: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	Date	됩	EC	TDS@180°C	S	Mq	Na	ν	, QOH	SO,	ō	NO.	<u></u>	Total Hard-
State Well No.	yr/mo/da	ap a	lab	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	=		_
11N/36W-35J06 S	670420	7.8	848	546	80.0	24.0	67.0	5.0	229.2	108.0	94.0	(
11N/36W-35J06 S	670928	7.5	916	601	92.0	28.0	54.0	5.0	242.6	143.0	80.0	12.0 0.09	9 0.4	345
11N/36W-35J06 S	760604	8.1	974	623	108.0	26.0	53.0	5.9	208.5	186.0	94.0			
Arroyo Grande Valley Subbasin	y Subbasin													
31S/14E-31K01 M	640603	9.7	789	526	90.0	43.0	27.0	2.0	382.8	122.0	18.0	2.4 0.0		
31S/14E-31N02 M	711021	8.2	853	565	93.0	47.0	28.0	2.0	326.7	183.0	17.0			
31S/14E-31N02 M	850416	8.3	849	588	97.0	46.0	28.0	5.6	331.6	186.0	20.0			
31S/14E-32G03 M	640603	8.0	838	554	78.0	43.0	40.0	2.0	296.3	157.0	32.0			
31S/14E-32G03 M	711028	8.2	618	400	74.0	30.0	22.0	1.4	275.5	101.0	18.0	0.4 0.02	2 0.4	309
	811020	8.5	756	477	80.0	37.0	22.0	1.9	308.5	113.0	17.0			
32S/13E-01G01 M	540930	8.2	865		92.0	46.0	28.0	2.0	381.6	132.0	24.0			
32S/13E-01G01 M	610302	8.3	890		102.0	51.0	32.0	2.0	425.5	137.0	34.0			
32S/13E-01G01 M	680620	9.7	934	578	101.0	56.0	32.0	2.0	449.9	132.0	34.0			
	640603	8.5	887	614	103.0	50.0	29.0	2.0	391.4	147.0	29.0			
32S/13E-12C01 M	540701	7.4	1190		135.0	62.0	33.0	2.0	462.1	239.0	37.0			
32S/13E-12C01 M	610302	7.4	1120		133.0	64.0	34.0	2.0	468.2	232.0	38.0			
32S/13E-12C01 M	620824	7.5	1065	290	186.0	23.0	34.0	2.0	490.1	187.0	36.0			
	640603	8.1	992	929	100.0	63.0	30.0	2.0	409.7	172.0	35.0			
	711021	8.0	1056	069	114.0	62.0	33.0	2.0	470.6	170.0	31.0			
	640603	8.0	1103	808	101.0	68.0	40.0	2.0	290.2	300.0	46.0			
32S/13E-12N01 M	640603	7.1	1889	1544	263.0	108.0	49.0	2.0	540.1	644.0	62.0	0.5 0.1		
32S/13E-12Q02 M	570829	7.9	895	611	79.0	41.0	51.0	1.0	325.5	123.0	57.0			
32S/13E-12Q02 M	580929	7.7	883	648	76.0	44.0	47.0	1.0	336.5	122.0	52.0			
32S/13E-12Q02 M	590922	7.4	880						319.4		0.09			
32S/13E-12Q02 M	601006	7.5	974		79.0	45.0	46.0	1.0	330.4	139.0	51.0			
32S/13E-12Q02 M	611106	8.0	841	565	92.0	45.0	43.0	1.0	317.0	152.0	57.0			
32S/13E-12Q02 M	620824	9.7	927	638	92.0	45.0	45.0	1.0	317.0	167.0	50.0			
32S/13E-12Q02 M	621009	8.4	880	640	95.0	46.0	47.0	1.0	338.9	179.0	47.0			
32S/13E-12Q02 M	630925	œ 1	965	650	89.0	52.0	49.0	1.0	317.0	187.0	0.09			
32S/13E-12Q02 M	640603	7.1	984	674	92.0	48.0	46.0	1.0	286.5	188.0	71.0			
32S/13E-12Q02 M	651007	8.2	296	099	102.0	51.0	48.0	1.0	334.1	173.0	76.0			
32S/13E-12Q02 M	711020	8.2	1083	724	111.0	58.0	48.0	6.0	365.8	215.0	47.0	25.8 0.06	5 0.4	
32S/13E-13C02 M	640603	8.2	1059	750	87.0	73.0	0.09	3.0	508.4	163.0	50.0			
32S/13E-13C02 M	661017	8.3	1210		111.0	63.0	58.0	3.8	510.9	178.0	49.0		0	537

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Socium, K: Potassium, HCO 3: Bicarbonate, SO4: Sulfate, Cl: Chloride, NO3: Nitrate, B. Boron, Fl: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	Date	된	EC	TDS@180°C	S	Mg	Na	*	HCO ₃	SO ₄	ਹ	NO ₃	Œ.	Total Hard-
State Well No.	yr/mo/da	ар	lab	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		/L mg/L	ness, mg/L
32S/13E-13C03 M	871105	ထ	736	009	40.0	65.0	30.0	2.0	239.0	191.0	32.0			9
32S/13E-13D04 M	811027	7.3	1310	867	129.0	63.0	58.0	6.4	392.6	251.0	52.0	68.0 0.20	20 0.5	581
32S/13E-14R01 M	711028	8.1	1128	735	106.0	58.0	78.0	4.7	499.9	154.0	69.0			
32S/13E-14R02 M	680620	7.5	1110	682	89.0	65.0	0.79	4.0	547.4	116.0	55.0			
32S/13E-22P01 M	610303	7.5	2200		297.0	134.0	98.0	4.0	620.6	822.0	121.0			
32S/13E-22Q01 M	640604	9.7	2163	1871	290.0	131.0	93.0	4.0	554.7	719.0	115.0			
32S/13E-22R01 M	640604	7.8	2020	1671	235.0	147.0	82.0	7.0	752.3	584.0	99.0			3 1192
32S/13E-22R01 M	680620	7.4	2014	1666	234.0	141.0	80.0	0.9	714.5	567.0	115.0	1.5 0.1		
32S/13E-23F01 M	620824	7.4	1900	1530	159.0	159.0	78.0	4.0	669.3	488.0	116.0	0.0 0.2		
32S/13E-23F01 M	640604	7.3	1827	1432	213.0	117.0	92.0	3.0	724.2	469.0	102.0			
32S/13E-23F01 M	661017	8.1	2020	1520	216.0	112.0	82.0	5.0	627.9	516.0	102.0		0	1000
32S/13E-23F01 M	680620	7.5	1941	1544	213.0	122.0	83.0	3.0	636.4	518.0	126.0			
32S/13E-23F02 M	610303	7.7	1840		200.0	106.0	82.0	3.0	614.5	436.0	117.0		3 0.3	
32S/13E-23N M	960129	7.0			72.0	41.0	68.0	0.5	243.8					
32S/13E-23R01 M	620919	7.8	860	543	54.0	46.0	70.0	11.0	425.5	0.69	43.0		0 0.4	
32S/13E-24A02 M	640604	7.7	1240	086	166.0	57.0	64.0	1.0	440.1	329.0	59.0			
32S/13E-24D01 M	640604	7.7	1360	096	174.0	0.09	82.0	5.0	529.1	308.0	71.0			
32S/13E-27D03 M	620824	7.3	2160	1854	205.0	164.0	109.0	0.9	714.5	650.0	115.0			·
32S/13E-27D03 M	640617	9.7	2177	1694	230.0	106.0	152.0	0.9	681.5	585.0	118.0			•
32S/13E-27D03 M	680620	7.1	2225	1918	276.0	131.0	108.0	4.0	627.9	734.0	126.0	1.5 0.14	4 0.6	•
32S/13E-27D03 M	871105	8.2	1780	1460	111.0	121.0	147.0	8.0	243.8	678.0	136.0			
32S/14E-07J01 M	640604	7.5	1372	926	112.0	86.0	94.0	3.0	482.8	263.0	105.0			
32S/14E-07K01 M	640604	7.0	1623	1210	145.0	103.0	90.0	8.0	492.6	403.0	123.0			
32S/14E-08N01 M	640604	7.2	1783	1407	159.0	135.0	82.0	2.0	510.9	503.0	121.0			
32S/14E-17N02 M	610302	7.2	1150		75.0	79.0	47.0	1.0	496.2	102.0	0.09			
32S/14E-18F03 M	640604	7.5	1525	1084	110.0	116.0	105.0		695.0	205.0	106.0			
32S/14E-18F04 M	640604	7.7	1350	934	115.0	83.0	91.0		9.609	179.0	85.0			
32S/14E-18P01 M	610302	7.5	1260		125.0	68.0	54.0	2.0	432.8	258.0	57.0			
32S/14E-19A01 M	640604	9.7	1020	724	0.99	80.0	59.0	1.0	451.1	165.0	50.0			
	741106	8.9	980	621	91.0	54.0	52.0	1.2	393.8	146.0	46.0			
	760927	8.0	1047	650	100.0	56.0	53.0	1.2	427.9	156.0	52.0			
32S/14E-19A01 M	771013	8.0	1195	726	110.0	61.0	54.0		447.5	164.0	58.0			
32S/14E-19D01 M	610302	7.7	1225		126.0	0.69	58.0	1.0	453.5	259.0	0.09			
32S/14E-19D03 M	640604	7.7	2750	2150	208.0	163.0	198.0		486.5	245.0	642.0	59.0 0.22		•

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	Date	Hd	3	TDS@180°C	S	Mg	Na	\times	ő	SO,	Ö	Š	В	ii.	Total Hard-
State Well No.	yr/mo/da	lab	lab	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ness, mg/L
Pismo Creek Valley Subbasin	/ Subbasin														
32S/12E-12R01 M	631016	7.8	2050	1440	168.0	21.0	390.0	22.0	1185.1	70.0	219.0	3.6	1.12	0.2	506
32S/12E-12R01 M	640708	8.4	2700	2152	202.0	126.0	290.0	12.0	557.2	677.0	355.0	0.0	•	0.4	1023
32S/12E-12R02 M	630501	7.7	2175	1409	68.0	75.0	361.0	27.0	1074.1	94.0	213.0	2.5	0.90	0.5	478
32S/12E-12R02 M	630828	9.7	2400	1472	137.0	38.0	405.0	24.0	1265.5	59.0	211.0	0.0		0.1	499
32S/12E-12R02 M	631016	8.1	1875	1270	145.0	41.0	298.0	18.0	1198.5	4.0	149.0	6.4	1.52	0.2	531
32S/12E-12R03 M	671004	7.9	2153	1346	79.0	88.0	300.0	18.0	1215.6	1.0	143.0	23.0	1.50	0.4	559
32S/12E-13A01 M	520716	7.3	2960	2080	180.0	158.0	305.0	12.0	652.3	680.0	290.0	81.0	_	0.4	1099
32S/12E-13A01 M	540928	8.0	2900		159.0	157.0	285.0	11.0	508.4	740.0	314.0	41.5		9.0	1043
32S/12E-13A01 M	541029	7.4	2740		162.0	158.0	272.0	13.0	514.5	737.0	307.0	39.2		9.0	1054
32S/12E-13A01 M	550518	7.8	3050	2040	145.0	175.0	301.0	13.0	574.3	716.0	312.0	34.0		1.2	1082
32S/12E-13A01 M	902029	7.1	2907	2115	171.0	155.0	300.0	14.0	614.5	724.0	298.0	35.0	0.92	9.0	1065
32S/12E-13A01 M	630828	7.4	2700	2056	164.0	139.0	310.0	12.0	625.5	727.0	296.0	24.0		0.8	981
32S/12E-13A01 M	670927	8.1	2771	2002	150.0	148.0	285.0	11.0	621.8	648.0	285.0	22.0		1.0	984
32S/12E-13C02 M	661017	8.3	1210	789	111.0	63.0	58.0	4.0	510.9	178.0	49.0	5.5			536
32S/12E-13J01 M	540928	7.4	3180		128.0	138.0	351.0	17.0	815.7	262.0	517.0	8.1	0.38	0.2	888
32S/12E-13J01 M	541029	7.9	2985		127.0	140.0	344.0	18.0	797.4	252.0	504.0	6.9	0.62	0.2	893
32S/12E-13J01 M	570829	8.1	3410	2391	133.0	150.0	383.0	16.0	842.5	273.0	0.009	0.0	1.00	0.2	950
	590727	7.0	3105	2230	127.0	141.0	360.0	13.0	816.9	314.0	514.0	0.0	0.46	0.3	898
	600929	7.7	2220		105.0	107.0	234.0	13.0	848.6	195.0	242.0	1.7	1.05	7:	703
	611108	7.2	3086	1889	126.0	135.0	354.0	14.0	826.6	246.0	515.0	1.5	0.65	9.0	870
32S/12E-13J01 M	621010	7.3	2500	1616	116.0	122.0	310.0	11.0	810.8	235.0	400.0	4.0	0.75	0.2	792
32S/12E-13J01 M	902029	7.4	2326	1450	114.0	110.0	255.0	14.0	833.9	204.0	280.0	5.0	0.84	0.7	738
32S/12E-13J01 M	630829	7.3	2700	1736	145.0	108.0	335.0	13.0	796.1	246.0	435.0	0.0	0.83	0.2	807
	630926	7.4	2500	1776	152.0	94.0	310.0	15.0	796.1	253.0	442.0	0.0	0.93	0.4	299
32S/12E-13J01 M	640618	8.0	2450	1766	163.0	98.0	302.0	14.0	804.7	246.0	418.0	4.0	0.84	0.2	810
32S/12E-13J01 M	651007	7.9	3142	1929	139.0	140.0	340.0	12.0	803.5	248.0	533.0	0.0	0.90	9.0	923
32S/12E-13J01 M	670926	8.4	2769	1711	103.0	134.0	308.0	14.0	820.5	215.0	420.0	2.5	08.0	0.5	808
32S/12E-13J03 M	908089	7.2	3356	2270	203.0	115.0	355.0	0.9	203.6	580.0	678.0	48.0	0.28	1.9	980
32S/12E-13J03 M	640708	7.2	3000	2358	230.0	107.0	385.0	0.9	200.0	536.0	766.0	32.0	0.28	1.6	1015
Nipomo Valley Subbasin	basin														
11N/34W-04J01 S	770121	7.3	917		56.0	62.0	64.0		341.4	199.0	41.0			9.0	395
11N/34W-04J01 S	770728	7.9		670	0.99	50.0	0.09	1.4	321.9	159.0	47.0	3.5		0.7	370
11N/34W-04J01 S	780707	8.4	800		74.0	46.0	50.0	2.3	280.4	182.0	46.0	18.0		0.7	374

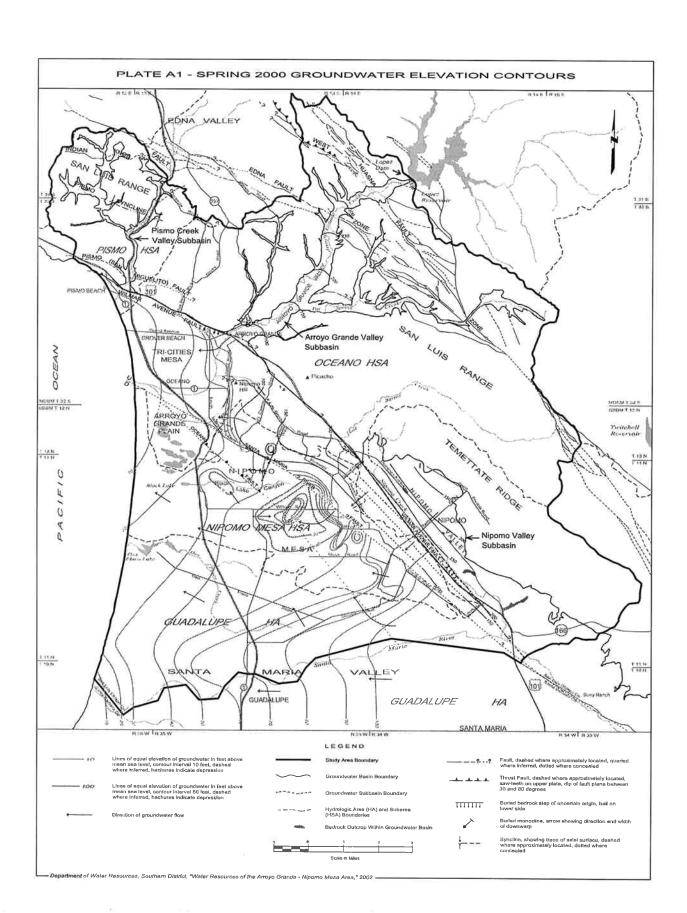
EC: Electrical Conductivity in umbos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO 3: Bicarbonate, SO4: Sulfate, Cl: Chloride, NO3: Nitrate, B. Boron, Fl: Fluoride

Appendix F Groundwater Quality Data, Arroyo Grande - Nipomo Mesa Area

	a lab	4						,						
	1		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		mg/L n	mg/L	ness, mg/L
	·	1110	846	72.0	45.0	137.0	20	412.1	219.0	2.0	24.0	5	000	365
	7 8.2	1120	748	109.0	57.0	0.66.0	1.0	423.1	159.0	810		0.05	4.0	507
	0 7.2	1380	912	83.0	0.69	138.0	9.0	445.0	285.0	99.0	0.5	0.04	0.3	491
		1400	878	95.0	57.0	118.0	5.0	396.2	178.0	152.0		.12	0.2	472
	7 8.0	1290	856	84.0	67.0	106.0	4.0	342.6	228.0	151.0		.12	0.2	485
	7 8.1	1353	778	101.0	61.0	94.0	4.3	336.5	217.0	149.0		.56	0.5	505
		1300	860	78.0	51.0	150.0	2.0	400.0	240.0	160.0		0.10	1.7	410
		2052	1210	148.0	86.0	170.0	2.3	688.9	137.0	258.0		98.	0.4	726
		1461	868	128.0	74.0	104.0	2.0	602.3	126.0	154.0		60.	0.5	624
11N/34W-09P01 S 751007	_	1309	731	90.0	68.0	91.0	1.6	421.8	155.0	128.0		.62	0.7	504
11N/34W-09P01 S 771025	5 8.3	1246	747	0.89	59.0	106.0	4.0	332.8	202.0	115.0		70'	0.5	412
11N/34W-17A02 S 850110	0		820			90.0			180.0	130.0				
11N/34W-17A02 S 960226	6 7.1	1500	970	110.0	76.0	95.0	0.9	560.0	220.0	110.0		0.10	0.1	009
11N/34W-17A02 S 990223	3 7.1	1700	1100	140.0	90.0	110.0	0.9	580.0	250.0	130.0		.20	0.2	720
11N/34W-17A02 S 001220	0		950			99.0			239.0	124.0		.10		
11N/34W-17B01 S 691010	0 7.2	1276	831	108.0	63.0	97.0	2.0	446.2	171.0	120.0		.04	0.7	529
		1500	910	87.0	0.99	110.0	9.0	490.0	200.0	140.0		·	<0.1	510
11N/34W-27D01 S 680731	1 7.3	752	405	36.0	22.0	87.0	2.0	197.5	0.69	80.0		.04	0.2	180
•		961	472	46.0	38.0	90.0	5.9	267.0	76.0	126.0		09'	0.4	270
11N/34W-27G02 S 751008	8 8.3	1467	879	115.0	59.0	110.0	2.7	381.6	140.0	184.0		66.	0.2	528
12N/34W-31F01 S 751007	7 8.2	1382	924	144.0	0.79	58.0	4.3	342.6	338.0	102.0		.51	9.0	638
01.8	1 8.0	1550	1190	182.0	83.0	55.0	2.0	434.0	405.0	109.0		70.	0.2	962
	1 7.1	1400	1300	110.0	77.0	140.0	13.0	390.1	340.0	130.0			0.2	290
12N/35W-36R01 S 620823	3 7.1	780	622	41.0	30.0	62.0	3.0	78.0	51.0	177.0		0.03	0.4	226
12N/35W-36R01 S 640717	7 7.6	940	578	0.09	37.0	83.0	4.0	147.5	86.0	194.0	_	.05	0.2	302

EC: Electrical Conductivity in umhos/cm, TDS: Total Dissolved Solids, Ca: Calcium, Mg: Magnesium, Na: Sodium, K: Potassium, HCO ; Bicarbonate, SO.; Sulfate, Cl: Chloride, NO.; Nifrate, B. Boron, FI: Fluoride

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ADDENDUM

ESTIMATED AMOUNTS OF GROUNDWATER IN STORAGE, SPRING 2000 SANTA MARIA GROUNDWATER BASIN, SAN LUIS OBISPO COUNTY In acre-feet, unless otherwise noted TABLE A1

	Surface Area,	Average Weighted Specific	Water	Amount c (Avail	Amount of Groundwater in Storage (Available Storage Capacity)	in Storage pacity)	Change in Storage, Above MSL ^b	torage, ISL ^b
Division Within the Basin/Basin	in acres	Yield, ^a in percent		Above MSL ^b	Below MSL ^b	Total	Between Years	Amount
Oceano HSA° Tri-Cities Mesa - Апоуо Grande Plain ^d	10,770	11.0	1975 1995 2000	28,000° 29,000° 30,000°	360,000° 360,000° 360,000°	388,000 389,000 390,000	1975 and 1995 1995 and 2000 1975 and 2000	1,000 1,000 2,000
Arroyo Grande Valley Subbasin	3,860	12.7	1975 1995 2000	9,000° 10,000° 10,000 °	0 0 0	9,000 10,000 10,000	1975 and 1995 1995 and 2000 1975 and 2000	1,000 0 1,000
Pismo Creek Valley Subbasin [†]	1,220			I	1	ı		1
Nipomo Mesa HSA° Nipomo Mesa	17,580	11.0	1975 1995 2000	84,000° 77,000° 84,000 °	720,000 ^e 720,000 ^{e,g} 720,000 ^e	804,000 797,000 804,000	1975 and 1995 1995 and 2000 1975 and 2000	-7,000 7,000 0
Guadalupe HA° Santa Maria Valley	21,560	11.1	1975 1995 2000	97,000° 100,000° 132,000 °	2,100,000° 2,100,000° 2,100,000°	2,197,000 2,200,000 2,232,000	1975 and 1995 1995 and 2000 1975 and 2000	3,000 32,000 35,000
Nipomo Valley Subbasin	6,230	3.8	1975 1995 2000	3,600° 3,700° 3,700°	00•	3,600 3,700 3,700	1975 and 1995 1995 and 2000 1975 and 2000	100 0 100
Santa Maria Groundwater Basin 6		,220	1975 1995 2000	221,600 219,700 259,720	3,180,000 3,180,000 3,180,000	3,401,600 3,399,700 3,439,700	1975 and 1995 1995 and 2000 1975 and 2000	-19,000 40,000 38,100

Specific yield values used for calculating amount of groundwater in storage were determined for only the saturated thickness of the basin.

b MSL is mean sea level.

 $^{\rm c}$ Hydrologic area or subarea overlying groundwater basin. $^{\rm d}$ Includes lower Pismo Creek and Los Berros Creek portions of the groundwater basin.

eValues rounded to two significant figures.

^fWater level data were not available to determine amount in storage for the subbasin.

^gA small amount of groundwater in storage was lost from below MSL because of the depression. It is not shown because of rounding to significant figures.