San Diego River 9-56

**303(d) Fact Sheet-San Diego River /Fashion Valley Road**
**907.00 -- Padre Dam Municipal Water District Data**

274

SUMMARY OF PROPOSED ACTION:
San Diego River/Fashion Valley Road data provided by the Padre Dam Municipal Water District was analyzed to look for bacterial impairments at several locations either in the San Diego River or in tributaries to this river. The Fashion Valley Road sample station was analyzed during the year 2000 for total and fecal coliform. Data shows that 12/14 samples taken during both wet and dry weather seasons were impaired due to high levels of fecal coliform. The entirety of the San Diego River and its tributaries have a REC 1 Listed beneficial use. The Fashion Valley Road reach of the San Diego River does not meet the Water Standard for REC 1 activity in an inland water body due to exceedances in levels of fecal coliform.

Staff recommends placing the Fashion Valley Road section of the San Diego River on the 303(d) list for impaired water bodies.

Waterbody Name: San Diego River-Fashion Valley Rd
Pollutant: Fecal coliform
Hydrologic Unit: San Diego River HUC 907.00
Size or reach affected: 4 miles
Total Waterbody Size: SD River Lower-Middle; 6.0 miles
Suspected Sources: Sewage and urban runoff
Further Location Descriptors: Affected Reach located at Fashion Valley Rd behind Shopping Mall
TMDL Priority: medium

**Notes**:
Data for the assessment of the Fashion Valley Road section of the San Diego River was provided through both Baykeeper (619-758-7743) and the NPDES Permit No. CA0107492 for the Padre Municipal Water District.

This section of the San Diego River may have residual bacterial contamination from the Feb. 2000 34 million gallon sewage spill at the Alvarado site, which is 5 miles upstream of Fashion Valley. This site should be evaluated for the next two years to examine potential decrease in bacterial impairment as natural attenuation of the sewage spill takes place.

**References**:
Lab Analysis performed by Environmental Engineering Lab and the Padre Dam Water Recycling Center. This lab is EPA certified and follows all QA/QC procedures. Water monitoring performed bi-weekly from April 1st -Oct 1st, and monthly from Oct 31st -March 31st.

**1. Watershed Characteristics**
The San Diego HU 907.00 is a long, triangular shaped area of about 440 square miles drained by the San Diego River. San Vicente, Jennings, Murray, El Capitan, and Cuyamaca reservoirs are major water supply.storage facilities in the HU. This watershed contains all or parts of the cities of San Diego, Poway, La Mesa, and El Cajon and the unincorporated communities of Santee, Lakeside, Alpine and Julian.

JB
09/04/01

**2. Water Quality Objective Not Attained**
The San Diego River and its tributaries are all listed for REC 1 activity for an inland water body. The Fashion Valley Road section of the river does not meet the water quality standard of 400 MPN/ml fecal coliform for a grab sample.

**3. Evidence of Impairment**
Data from routine monitoring by the Padre Dam Municipal Wastewater Treatment and Recycle Center was used to examine the quality of the water at the Fashion Valley Road site. Data was found in the routine monitoring reports provided by the permittee. Monthly data was taken for the months of Oct.-Dec. 2000, and bi-monthly data was taken for June-Oct. 2000. The samples were monitored for total and fecal coliform levels. The data shows 12/14 samples, or 86% of the analyzed samples having levels of fecal coliform in excess of 400 MPN/ml. Since the San Diego River is listed for REC-1 activity, this reach of the river is not considered to support the listed beneficial use.

**4. Extent of Impairment**
Samples on the Fashion Valley Road section of the San Diego River were taken at only one monitoring point. Downstream samples were taken at the San Diego River Estuary along Interstate 5. The I-5 samples showed some bacterial impairment during the year 2000, but there was insufficient data to list the I-5 Estuary. However, evidence of bacterial impairment downstream of the Fashion Valley Road site indicates that bacterial impairment may be present along the entire reach of the San Diego River from Fashion Valley to the San Diego Estuary. This section is approximately 4 miles in length.

**5. Potential Sources**
A major, 34 million-gallon sewage spill occurred in the San Diego River in Feb. 2000. This spill was located approximately 6 miles upstream of the Fashion Valley Road site. Given the magnitude of the spill, residual bacterial impairment may still exist downstream of the sewage spill. In addition, the Fashion Valley Road site is a part of the San Diego River that is in a heavily urbanized section of the City of San Diego. Urban runoff probably contributes heavily to the bacterial impairment.

**6. TMDL Priority**
medium

**7. Information Sources**
San Diego Baykeeper provided narrative text on the status of the San Diego River and its tributaries. They also provided some summaries of the Padre Dam Municipal Wastewater Treatment Plant monitoring reports. The Padre Dam treatment plant NPDES monitoring data was examined to determine the water quality at the Fashion Valley Road site.

JB
09/04/01

# 303(d) Fact Sheet-San Diego River /Fashion Valley Road-907.00 Padre Dam Municipal Water District Data

## SUMMARY OF PROPOSED ACTION (recommendation for llstlng or no listing)

### San DiePo River/Fashion Vallev Road

Data provided by the Padre Dam Municipal Water District was analyzed to look for bacterial impairments at several locations either in the San Diego River or in tributaries to this river. The Fashion Valley Road sample station was analyzed during the year 2000 for total and fecal coliform. Data shows that 12/14 samples taken during both wet and dry weather seasons were impaired due to high levels of fecal coliform. The entirety of the San Diego River and its tributaries have a REC 1 Listed beneficial use. The Fashion Valley Road reach of the San Diego River does not meet the Water **Quality Standard** for REC 1 activity **in** an **inland** water body due to exceedences in levels of fecal **coliform.**

Recommend placing the Fashion Valley Road section of the San Diego River on the 303(d) **list** for impaired water bodies.

| | | | |
|---|---|---|---|
| Waterbody Name | San Diego **River-** Fashion **Valley** Rd | **Pollutant** | Fecal **coliform** |
| Hydrologic Unit | San Diego River HUC 907.00 | Total Waterbody Sii | SD River Lower Middle- 6.0 miles |
| Size or reach affected | 4 mile | Suspected Sources | Sewage and urban **runoff** |
| Further Location Descriptors | Affected Reach located at Fashion Valley Rd behind Shopping Mall | TMDL Priority | low |

Notes:
Data for the assessment of the Fashion **Valley** Road section of the San Diego River was provided through both Baykeeper (619-758-7743) and the **NPDES** Permit No. CA0107492 for the Padre Municipal Water **District.**

Thii section of the San Diego River may have residual bacterial contamination from the Feb, **2000, 34** million gallon sewage spill at the Alvarado site, which is 5 miles upstream of Fashion Valley. This site should be evaluated for the **next** two years to examine potential decrease in bacterial impairment as natural attenuation of the sewage spill takes place.

References:

Lab Analysis performed by Environmental Engineering Lab and the Padre Dam Water Recycling Center. This lab is EPA certified and follows all **QA/QC** procedures.

Water monitoring performed bi-weekly from April **1st-Oct 1st**, and monthly from **Oct 31st-March 31st.**

1. Watershed Characteristics

The San Diego HU 907.00 is a long, triangular shaped area of about 440 square miles drained by the San Diego River. San Vincente, Jennings, Murray, El Capitan, and Cuymaca reservoirs are major water supply storage facilities in the HU. This watershed contains all or parts of the cities of San Diego, Poway, La Mesa, and El Cajon and the unincorporated communities of Santee, Lakeside, Alpine and Julian.

2. Water Quality Objective Not Attained

The San Diego River and its tributaries are all listed for REC 1 activity for an inland water body. The Fashion Valley Road section of the river does not meet the water quality standard of 400 MPN/ml of fecal coliform for a grab sample.

3. Evidence of Impairment

Data from routine monitoring by the Padre Dam Municipal Wastewater Treatment and Recycle Center was used to examine the quality of the water at the Fashion Valley Road site. Data was found in the routine monitoring reports provided by the permitee. Monthly data was taken for the months of Oct-Dec, 2000, and bi-montly data was taken for June-Ott, 2000. The samples were monitored for total and fecal coliform levels. The data shows 12/14 samples, or 80%, of the analyzed samples having levels of fecal coliform in excess of 400 MPN/ml. Since the San Diego River is listed for REC-1 activity, this reach of the river is considered to not support the listed beneficial use.

86%

4. Extent of Impairment

Samples on the Fashion Valley Road section of the San Diego River were taken at' only one monitoring point. Downstream samples were taken at the San Diego River Estuary along Interstate 5. The I-5 samples showed some bacterial impairment during the year 2000, but there was insufficient data to list the I-5 Estuary. However, evidence of bacterial impairment downstream of the Fashion Valley Road site indicates that bacterial impairment may be present along the entire reach of the San Diego River from Fashion Valley to the San Diego Estuary. This section is approximately 4 miles in length.

5. Potential Sources

A major, 34 million-gallon sewage'spill occurred in the San Diego River in Feb., 2000. This spill was located approximately 6 miles upstream of the Fashion Valley Road site. Given the magnitude of the spill, residual bacterial impairment may still exist downstream of the sewage spill. In addition, the Fashion Valley Road site is a part of the San Diego River that is in a heavily urbanized section of the City of San Diego. Urban runoff probably contributes heavily to the bacterial impairment.

6. TMDL Priority

Low

7. Information Sources

The San Diego office of Baykeeper provide narrative text on the status of the San Diego River and its tributaries. They also provided some summaries of the Padre Dam Municipal Wastewater Treatment Plant monitoring reports. The Padre Dam treatment plant NPDES monitoring data was examined to determine the water quality at the Fashion Valley Road site.

**Padre Dam Municipal Wastewater District**
**Facility Santee Water Reclamation Plant**
**(619)258-4600**

**NPDES Permit Required Monitoring**
**Sample Type:** Grab
**Sample Frequency:** Biweekly/Monthly
**Analyzed By:** Env. Eng. LAB & D. White

**TOTAL/FECAL COLIFORM (MPN/100-ml)**

Dates?

| Site No. | Location | Parameter | Oct-97 | Nov-97 | Dec-97 | Jan-98 | Feb-98 | Mar-98 | Apr-98 | Apr-98 | May-98 | May-98 | Jun-98 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Carlton Hills Blvd. Bridge | Total | 800 | 800 | 1300 | 3000 | 13000 | 1700 | 2300 | 300 | 2300 | 2300 | 700 |
| 1 | Carlton Hills Blvd. Bridge | Fecal | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 200 | 2 | 2 | 200 |
| 2 | Forrester Creek | Total | 3000 | 3000 | 3000 | 7000 | 24000 | 5000 | 30000 | 5000 | 8000 | 5000 | 2300 |
| 2 | Forrester Creek | Fecal | 200 | 200 | 2 | 800 | 1100 | 1100 | 24000 | 200 | 1700 | 400 | 400 |
| 3 | Sycamore Creek/SD River | Total | 5000 | 500 | 5000 | 1300 | 13000 | 2200 | 3000 | 1300 | 2300 | 2300 | 2300 |
| 3 | Sycamore Creek/SD River | Fecal | 200 | 200 | 2 | 2 | 800 | 2 | 400 | 2 | 2 | 2 | 2 |
| 3a | Mast Blvd. Bridge | Total | | | | | | | | | | | |
| 3a | Mast Blvd. Bridge | Fecal | | | | | | | | | | | |
| 4 | Old Mission Dam | Total | 2300 | 2300 | 1700 | 8000 | 30000 | 2300 | 2200 | 7000 | 2300 | 2300 | 5000 |
| 4 | Old Mission Dam | Fecal | 2 | 2 | 2 | 2 | 1700 | 2 | 700 | 200 | 2 | 200 | 400 |
| 5 | Mission Ponds | Total | NF | 1700 | 400 | 800 | 3000 | 2600 | 3000 | 5000 | 2300 | 2300 | 3000 |
| 5 | Mission Ponds | Fecal | NF | 800 | 2 | 2 | 200 | 400 | 400 | 2 | 2 | 2 | 2 |
| 6 | I-5 Estuary | Total | NF | 2300 | 800 | 1700 | 13000 | 2100 | 3000 | 5000 | 1700 | 2300 | 3000 |
| 6 | I-5 Estuary | Fecal | NF | 2 | 2 | 2 | 800 | 200 | 2 | 200 | 2 | 2 | 2 |
| 6a | Fashion Valley Rd. | Total | | | | | | | | | | | |
| 6a | Fashion Valley Rd. | Fecal | | | | | | | | | | | |

**TOTAL**

| Site No. | Location | Location | Oct-97 | Nov-97 | Dec-97 | Jan-98 | Feb-98 | Mar-98 | Apr-98 | Apr-98 | May-98 | May-98 | Jun-98 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Carlton Hills Blvd. Bridge | Carlton Hills Blvd. Bridge | 800 | 800 | 1300 | 3000 | 13000 | 1700 | 2300 | 300 | 2300 | 2300 | 700 |
| 2 | Forrester Creek | Forrester Creek | 3000 | 3000 | 3000 | 7000 | 24000 | 5000 | 30000 | 5000 | 8000 | 5000 | 2300 |



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DATE PRINTED: 6/4/01

**TOTAL/FECAL COLIFORM (MPN/100-ml)**

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | Sycamore Creek/SD River | Sycamore Creek/SD River | 5000 | 500 | 5000 | 1300 | 13000 | 2200 | 3000 | 1300 | 2300 | 2300 | 2300 |
| 3a | Mast Blvd. Bridge | Mast Blvd. Bridge | | | | | | | | | | | |
| 4 | Old Mission Dam | Old Mission Dam | 2300 | 2300 | 1700 | 8000 | 30000 | 2300 | 2200 | 7000 | 2300 | 2300 | 5000 |
| 5 | Mission Ponds | Mission Ponds | NF | 1700 | 400 | 800 | 3000 | 2600 | 3000 | 5000 | 2300 | 2300 | 3000 |
| 6 | I-5 Estuary | I-5 Estuary | NF | 2300 | 800 | 1700 | 13000 | 2100 | 3000 | 5000 | 1700 | 2300 | 3000 |
| 6a | Fashion Valley Rd. | Fashion Valley Rd. | | | | | | | | | | | |
| | | **MEAN** | 1387.5 | 1325.0 | 1525.0 | 2725.0 | 12000.0 | 1987.5 | 5437.5 | 2950.0 | 2362.5 | 2062.5 | 2037.5 |
| | | **SE** | 616.7 | 340.3 | 603.6 | 1095.6 | 3376.4 | 420.0 | 3942.6 | 907.7 | 844.3 | 389.7 | 494.7 |

**FECAL**

| **Site No.** | **Location** | | **Oct-97** | **Nov-97** | **Dec-97** | **Jan-98** | **Feb-98** | **Mar-98** | **Apr-98** | **Apr-98** | **May-98** | **May-98** | **Jun-98** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Carlton Hills Blvd. Bridge | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 200 | 2 | 2 | 200 |
| 2 | Forrester Creek | | 200 | 200 | 2 | ≤800 | ≤1100 | ≤1100 | ≤24000 | 200 | ≤1700 | 400 | 400 |
| 3 | Sycamore Creek/SD River | | 200 | 200 | 2 | 2 | 800 | 2 | 400 | 2 | 2 | 2 | 2 |
| 3a | Mast Blvd. Bridge | | | | | | | | | | | | |
| 4 | Old Mission Dam | | 2 | 2 | 2 | 2 | 1700 | 2 | 700 | 200 | 2 | 200 | 400 |
| 5 | Mission Ponds | | NF | 800 | 2 | 2 | 200 | 400 | 400 | 2 | 2 | 2 | 2 |
| 6 | I-5 Estuary | | NF | 2 | 2 | 2 | ≤800 | 200 | 2 | 200 | 2 | 2 | 2 |
| 6a | Fashion Valley Rd. | | | | | | | | | | | | |
| | | **MEAN** | 50.5 | 150.8 | 1.5 | 101.3 | 575.3 | 213.3 | 3188.0 | 100.5 | 213.8 | 76.0 | 125.8 |
| | | **SE** | 40.4 | 109.3 | 0.0 | 115.2 | 217.4 | 152.1 | 3422.0 | 36.1 | 245.1 | 58.8 | 69.2 |



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DATE PRINTED: 6/4/01

**Padre Dam Municipal Wastewater District**
**Facility Santee Water Reclamation Plant**
**(619)258-4600**

**NPDES Permit Required Monitoring**
**Sample Type:** Grab
**Sample Frequency:** Biweekly/Monthly
**Analyzed By:** Env. Eng. LAB & D. White

**TOTAL/FECAL COLIFORM (MPN/100-ml)**

RSAmpo 1/98

| Site No. | Location | Jun-98 | Jun-98 | Jul-98 | Jul-98 | Aug-98 | Aug-98 | Sep-98 | Sep-98 | Oct-98 | Nov-98 | Dec-98 | Jan-99 | Feb-99 | Mar-99 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Carlton Hills Blvd. Bridge | 2300 | 1330 | 400 | 2 | 1700 | 2300 | 400 | 400 | 800 | 400 | 8000 | 600 | 1400 | 1300 |
| 1 | Carlton Hills Blvd. Bridge | 200 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3000 | 2 | 2 | 2 |
| 2 | Forrester Creek | 300 | 1700 | 3000 | 1300 | 1600 | 1100 | 30000 | 2300 | 3000 | 30000 | 30000 | 3000 | 17000 | 50000 |
| 2 | Forrester Creek | 2 | 2 | 2 | 2 | 1600 | 2 | 2200 | 400 | 1100 | 1300 | 8000 | 200 | 2 | 400 |
| 3 | Sycamore Creek/SD River | 1100 | 1100 | 2300 | 2300 | 1300 | 2300 | 3000 | 1700 | 800 | 3000 | 5000 | 110 | 1300 | 2700 |
| 3 | Sycamore Creek/SD River | 2 | 2 | 800 | 2 | 200 | 2 | 800 | 200 | 2 | 400 | 1300 | 200 | 2 | 2 |
| 3a | Mast Blvd. Bridge | | | | | | | | | | | | | | |
| 3a | Mast Blvd. Bridge | | | | | | | | | | | | | | |
| 4 | Old Mission Dam | 800 | 3000 | 500 | 1700 | 1300 | 1300 | 2300 | 1600 | 400 | 1700 | 50000 | 2200 | 2300 | 3000 |
| 4 | Old Mission Dam | 2 | 200 | 200 | 200 | 2 | 2 | 200 | 2 | 2 | 2 | 5000 | 2 | 2 | 2 |
| 5 | Mission Ponds | 1300 | 2200 | 2300 | 1300 | 3000 | 400 | 300 | 800 | 300 | 2100 | 30000 | 400 | 800 | 800 |
| 5 | Mission Ponds | 2 | 200 | 2 | 2 | 2 | 2 | 200 | 2 | 200 | 400 | 1400 | 2 | 2 | 2 |
| 6 | I-5 Estuary | 1300 | 3000 | 2300 | 2300 | 1700 | 5000 | 1300 | 2300 | | | | | | |
| 6 | I-5 Estuary | 2 | 200 | 800 | 200 | 700 | 1700 | 400 | 800 | | | | | | |
| 6a | Fashion Valley Rd. | | | | | | | | | 300 | 5000 | 17000 | 2 | 1100 | 5000 |
| 6a | Fashion Valley Rd. | | | | | | | | | 200 | 700 | 1700 | 2 | 2 | 2 |

**TOTAL**

| Site No. | Location | Jun-98 | Jun-98 | Jul-98 | Jul-98 | Aug-98 | Aug-98 | Sep-98 | Sep-98 | Oct-98 | Nov-98 | Dec-98 | Jan-99 | Feb-99 | Mar-99 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Carlton Hills Blvd. Bridge | 2300 | 1330 | 400 | 2 | 1700 | 2300 | 400 | 400 | 800 | 400 | 8000 | 600 | 1400 | 1300 |
| 2 | Forrester Creek | 300 | 1700 | 3000 | 1300 | 1600 | 1100 | 30000 | 2300 | 3000 | 30000 | 30000 | 3000 | 17000 | 50000 |

**TOTAL/FECAL COLIFORM (MPN/100-ml)**

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | Sycamore Creek/SD River | 1100 | 1100 | 2300 | 2300 | 1300 | 2300 | 3000 | 1700 | 800 | 3000 | 5000 | 110 | 1300 | 2700 |
| 3a | Mast Blvd. Bridge | | | | | | | | | | | | | | |
| 4 | Old Mission Dam | 800 | 3000 | 500 | 1700 | 1300 | 1300 | 2300 | 1600 | 400 | 1700 | 50000 | 2200 | 2300 | 3000 |
| 5 | Mission Ponds | 1300 | 2200 | 2300 | 1300 | 3000 | 400 | 300 | 800 | 300 | 2100 | 30000 | 400 | 800 | 800 |
| 6 | I-5 Estuary | 1300 | 3000 | 2300 | 2300 | 1700 | 5000 | 1300 | 2300 | | | | | | |
| 6a | Fashion Valley Rd. | | | | | | | | | 300 | 5000 | 17000 | 2 | 1100 | 5000 |
| | | 887.5 | 1541.3 | 1350.0 | 1112.8 | 1325.0 | 1550.0 | 4662.5 | 1137.5 | 700.0 | 5275.0 | 17500.0 | 789.0 | 2987.5 | 7850.0 |
| | | 235.0 | 290.3 | 382.1 | 301.8 | 223.2 | 570.4 | 4136.3 | 275.2 | 367.2 | 4014.5 | 5940.0 | 439.7 | 2261.6 | 6867.2 |

**FECAL**

| Site No. | Location | Jun-98 | Jun-98 | Jul-98 | Jul-98 | Aug-98 | Aug-98 | Sep-98 | Sep-98 | Oct-98 | Nov-98 | Dec-98 | Jan-99 | Feb-99 | Mar-99 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Carlton Hills Blvd. Bridge | 200 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3000 | 2 | 2 | 2 |
| 2 | Forrester Creek | 2 | 2 | 2 | 2 | ~~1600~~ | 2 | ~~2200~~ | 400 | ~~1100~~ | ~~1300~~ | ~~8000~~ | 200 | 2 | 400 |
| 3 | Sycamore Creek/SD River | 2 | 2 | ~~800~~ | 2 | 200 | 2 | ~~800~~ | 200 | 2 | 400 | ~~1300~~ | 200 | 2 | 2 |
| 3a | Mast Blvd. Bridge | | | | | | | | | | | | | | |
| 4 | Old Mission Dam | 2 | 200 | 200 | 200 | 2 | 2 | 200 | 2 | 2 | 2 | ~~5000~~ | 2 | 2 | 2 |
| 5 | Mission Ponds | 2 | 200 | 2 | 2 | 2 | 2 | 200 | 2 | 200 | 400 | ~~1400~~ | 2 | 2 | 2 |
| 6 | I-5 Estuary | 2 | 200 | ~~800~~ | 200 | ~~700~~ | ~~1700~~ | 400 | ~~800~~ | | | | | | |
| 6a | Fashion Valley Rd. | | | | | | | | | 200 | ~~700~~ | ~~1700~~ | 2 | 2 | 2 |
| | | 26.3 | 75.8 | 225.8 | 51.0 | 313.3 | 213.8 | 475.3 | 175.8 | 188.3 | 350.5 | 2550.0 | 51.0 | 1.5 | 51.3 |
| | | 28.6 | 38.3 | 139.3 | 36.1 | 226.0 | 245.1 | 287.7 | 113.0 | 151.0 | 172.5 | 937.8 | 36.1 | 0.0 | 57.4 |

**Padre Dam Municipal Wastewater District**
**Facility Santee Water Reclamation Plant**
**(619)258-4600**

**NPDES Permit Required Monitoring**
**Sample Type:** Grab
**Sample Frequency:** Biweekly/Monthly
**Analyzed By:** Env. Eng. LAB & D. White

**TOTAL/FECAL COLIFORM (MPN/100-ml)**

| Site No. | Location | Apr-00 | Apr-00 |
|---|---|---|---|
| 1 | Carlton Hills Blvd. Bridge | 210 | 1100 |
| 1 | Carlton Hills Blvd. Bridge | 20 | 40 |
| 2 | Forrester Creek | 1700 | 8000 |
| 2 | Forrester Creek | 40 | 800 |
| 3 | Sycamore Creek/SD River | | |
| 3 | Sycamore Creek/SD River | | |
| 3a | Mast Blvd. Bridge | 500 | 2200 |
| 3a | Mast Blvd. Bridge | 20 | 220 |
| 4 | Old Mission Dam | 700 | 300 |
| 4 | Old Mission Dam | 20 | 200 |
| 5 | Mission Ponds | 500 | 300 |
| 5 | Mission Ponds | 40 | 40 |
| 6 | I-5 Estuary | | |
| 6 | I-5 Estuary | | |
| 6a | Fashion Valley Rd. | 300 | 1300 |
| 6a | Fashion Valley Rd. | 20 | 130 |

**TOTAL**

| Site No. | Location | Apr-99 | May-99 | Jun-99 | Jul-99 | Aug-99 | Sep-99 | Oct-99 | Nov-99 | Dec-99 | Jan-00 | Feb-00 | Mar-00 | Apr-00 | Apr-00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Carlton Hills Blvd. Bridge | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 210 | 1100 |
| 2 | Forrester Creek | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 1700 | 8000 |

**TOTAL/FECAL COLIFORM (MPN/100-ml)**

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | Sycamore Creek/SD River | | | | | | | | | | | | | |
| 3a | Mast Blvd. Bridge | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 500 | 2200 |
| 4 | Old Mission Dam | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 700 | 300 |
| 5 | Mission Ponds | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 500 | 300 |
| 6 | I-5 Estuary | | | | | | | | | | | | | | |
| 6a | Fashion Valley Rd. | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 300 | 1300 |
| | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 488.8 | 1650.0 |
| | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 191.4 | 1035.4 |

**FECAL**

| Site No. | Location | Apr-99 | May-99 | Jun-99 | Jul-99 | Aug-99 | Sep-99 | Oct-99 | Nov-99 | Dec-99 | Jan-00 | Feb-00 | Mar-00 | Apr-00 | Apr-00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Carlton Hills Blvd. Bridge | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 20 | 40 |
| 2 | Forrester Creek | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 40 | 800 |
| 3 | Sycamore Creek/SD River | | | | | | | | | | | | | | |
| 3a | Mast Blvd. Bridge | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 20 | 220 |
| 4 | Old Mission Dam | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 20 | 200 |
| 5 | Mission Ponds | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 40 | 40 |
| 6 | I-5 Estuary | | | | | | | | | | | | | | |
| 6a | Fashion Valley Rd. | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 20 | 130 |
| | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 20.0 | 178.8 |
| | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 3.7 | 101.0 |

**Padre Dam Municipal Wastewater District**
**Facility Santee Water Reclamation Plant**
**(619)258-4600**

**NPDES Permit Required Monitoring**
**Sample Type:** Grab
**Sample Frequency:** Biweekly/Monthly
**Analyzed By:** Env. Eng. LAB & D. White

**TOTAL/FECAL COLIFORM (MPN/100-ml)**

| Site No. | Location | May-00 | May-00 | May-00 | Jun-00 | Jun-00 | Jul-00 | Jul-00 | Aug-00 | Aug-00 | Sep-00 | Sep-00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Carlton Hills Blvd. Bridge | 900 | 3000 | 2200 | 700 | 300 | 300 | 1300 | 800 | 500 | 230 | 1300 |
| 1 | Carlton Hills Blvd. Bridge | 20 | 40 | 20 | 20 | 20 | 2 | 2 | 20 | 20 | 20 | 20 |
| 2 | Forrester Creek | 1700 | 1300 | 2200 | 2200 | 800 | 5000 | 1700 | 1700 | 9000 | 5000 | 1700 |
| 2 | Forrester Creek | 70 | 40 | ~~500~~ | 230 | 300 | 130 | 130 | 110 | 80 | ~~3000~~ | ~~500~~ |
| 3 | Sycamore Creek/SD River | | | | | | | | | | | |
| 3 | Sycamore Creek/SD River | | | | | | | | | | | |
| 3a | Mast Blvd. Bridge | 1100 | 3000 | 9000 | 1100 | 9000 | 2400 | 2200 | 1400 | 9000 | 9000 | 5000 |
| 3a | Mast Blvd. Bridge | 230 | 40 | 20 | 300 | 5000 | 40 | 40 | 70 | 130 | 800 | 500 |
| 4 | Old Mission Dam | 1300 | 1600 | 9000 | 300 | 2400 | 3000 | 1400 | 600 | 230 | 800 | 1400 |
| 4 | Old Mission Dam | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 40 | 20 | 20 | 40 |
| 5 | Mission Ponds | 700 | 500 | 500 | 1700 | 800 | 2200 | 2400 | 1100 | 1100 | 300 | 500 |
| 5 | Mission Ponds | 20 | 40 | 20 | 20 | 70 | 20 | 40 | 110 | 40 | 130 | 40 |
| 6 | I-5 Estuary | | | | | | | | | | | |
| 6 | I-5 Estuary | | | | | | | | | | | |
| 6a | Fashion Valley Rd. | 2200 | 1400 | 1700 | 16000 | 9000 | 2400 | 500 | 2400 | 1400 | 1700 | 1700 |
| 6a | Fashion Valley Rd. | 130 | 700 | 500 | 5000 | 1400 | 800 | 170 | 800 | 500 | 1100 | 1300 |

**TOTAL**

| Site No. | Location | May-00 | May-00 | May-00 | Jun-00 | Jun-00 | Jul-00 | Jul-00 | Aug-00 | Aug-00 | Sep-00 | Sep-00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Carlton Hills Blvd. Bridge | 900 | 3000 | 2200 | 700 | 300 | 300 | 1300 | 800 | 500 | 230 | 1300 |
| 2 | Forrester Creek | 1700 | 1300 | 2200 | 2200 | 800 | 5000 | 1700 | 1700 | 9000 | 5000 | 1700 |

**TOTAL/FECAL COLIFORM (MPN/100-ml)**

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | Sycamore Creek/SD River | | | | | | | | | | |
| 3a | Mast Blvd. Bridge | 1100 | 3000 | 9000 | 1100 | 9000 | 2400 | 2200 | 1400 | 9000 | 9000 | 5000 |
| 4 | Old Mission Dam | 1300 | 1600 | 9000 | 300 | 2400 | 3000 | 1400 | 600 | 230 | 800 | 1400 |
| 5 | Mission Ponds | 700 | 500 | 500 | 1700 | 800 | 2200 | 2400 | 1100 | 1100 | 300 | 500 |
| 6 | I-5 Estuary | | | | | | | | | | | |
| 6a | Fashion Valley Rd. | 2200 | 1400 | 1700 | 16000 | 9000 | 2400 | 500 | 2400 | 1400 | 1700 | 1700 |
| | | 987.5 | 1350.0 | 3075.0 | 2750.0 | 2787.5 | 1912.5 | 1187.5 | 1000.0 | 2653.8 | 2128.8 | 1450.0 |
| | | 195.5 | 354.3 | 1359.8 | 2149.7 | 1468.4 | 534.7 | 242.3 | 232.0 | 1502.9 | 1238.3 | 553.5 |

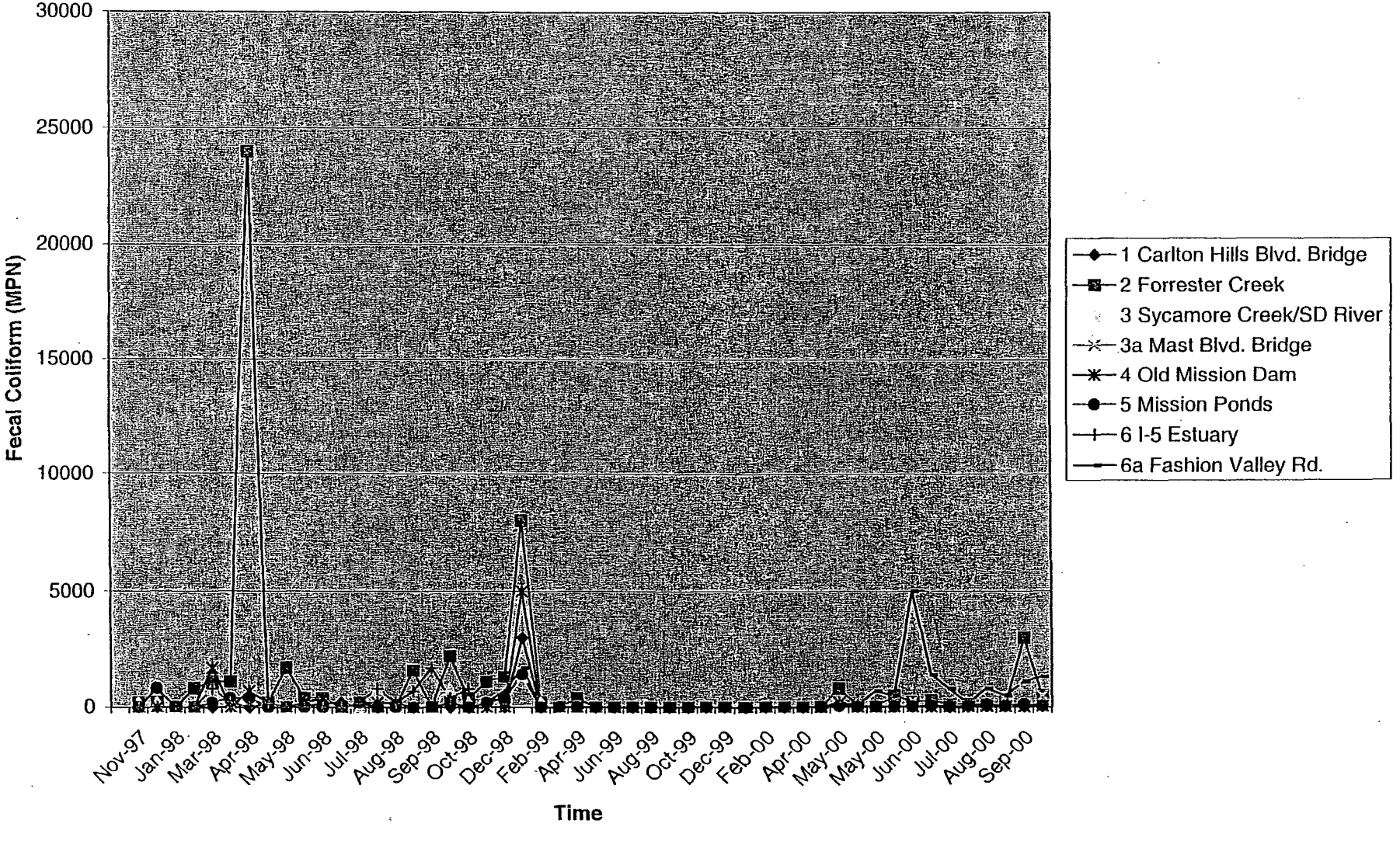
**FECAL**

| Site No. | Location | May-00 | May-00 | May-00 | Jun-00 | Jun-00 | Jul-00 | Jul-00 | Aug-00 | Aug-00 | Sep-00 | Sep-00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Carlton Hills Blvd. Bridge | 20 | 40 | 20 | 20 | 20 | 2 | 2 | 20 | 20 | 20 | 20 |
| 2 | Forrester Creek | 70 | 40 | 500 | 230 | 300 | 130 | 130 | 110 | 80 | 3000 | 500 |
| 3 | Sycamore Creek/SD River | | | | | | | | | | | |
| 3a | Mast Blvd. Bridge | 230 | 40 | 20 | 300 | 5000 | 40 | 40 | 70 | 130 | 800 | 500 |
| 4 | Old Mission Dam | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 40 | 20 | 20 | 40 |
| 5 | Mission Ponds | 20 | 40 | 20 | 20 | 70 | 20 | 40 | 110 | 40 | 130 | 40 |
| 6 | I-5 Estuary | | | | | | | | | | | |
| 6a | Fashion Valley Rd. | 130 | 700 | 500 | 5000 | 1400 | 800 | 170 | 800 | 500 | 1100 | 1300 |
| | | 61.3 | 110.0 | 135.0 | 698.8 | 851.3 | 126.5 | 50.3 | 143.8 | 98.8 | 633.8 | 300.0 |
| | | 30.0 | 95.9 | 87.6 | 706.0 | 695.1 | 110.5 | 23.7 | 106.1 | 65.5 | 405.7 | 175.6 |



FILE: s\wqs\303dlist\san diego river\San Diego River Bacteria Data
DATE PRINTED: 6/4/01

## Fecal Coliform per Site vs. Time



## Total Coliform MPN per Site vs. Time