Sorrento Valley

As described in the attached email conversation, the sampling at Sorrento Valley took place in the stormwater conveyance system for the City of San Diego. Since this is obviously not a natural occurring water body, and has no beneficial uses for that matter, the attached data is not analyzed for 303(d) listing.
Brennan,  
California stands for California Street downtown. The sampling station is located in a manhole for the City of San Diego's storm water conveyance system. The Sorrento Valley station was supposed to be located on Los Penasquitos Creek. There has been some controversy about whether it actually is located on the creek or on a tributary to the creek. Dave Gibson has the info on that sampling station. I'm not sure what the final determination was. I hope this helps,  
-Phil  

>>> Brennan Ott 08/06/01 03:58PM >>>  
I'm working on the 303(d) lists and came across something that I was told you might be able to help me with. The City of San Diego Co-Permitte NPDES Stormwater Monitoring Program Report lists Sorrento Valley as station SV1 and provides water quality data for it from 1997-2000. The basin plan, however, does not list it anywhere. Does it go by a different name or something? The same thing goes for station SD13 in the same report by the City of San Diego. It lists SD13 as California. Is this the entire state?  

Any help will be much appreciated. Thanks.

CC:  
Gibson, David

I talked to Dave. They sampled a stormwater channel from the freeway, not the actual creek.
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**SVI**

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**COMPOSITE SAMPLES**

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**INORGANIC - METALS**

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**ORGANOCHLORINE PESTICIDES & PCB'S**

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The red and black text indicates a handwritten note on the paper.
### Table 5-1
CONVENTIONAL, BIOLOGICAL AND ORGANIC COMPOUNDS
AT MASS LOADING STATIONS (AH1, SD5, SD8, SD13, SV1), 1999/2000

| Parameter                        | Units | AH1 1/25/00 | 2/20/00 | 3/25/00 | 4/17/00 | 1/25/00 | 2/20/00 | 3/25/00 | 4/17/00 | 1/25/00 | 2/20/00 | 3/25/00 | 4/17/00 |
|----------------------------------|-------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Grab Samples General/Physical/Organic |       |             |         |         |         |         |         |         |         |         |         |         |         |         |
| Field pH                         | units | 3.2        | 3.5     | 2.28    | 2.98    | 2.54    | 2.10    | 4.16    | 1.56    | 2.96    | 1.92    | 2.04    | 1.48    | 1.76    | 1.76    | 5.60    |
| Oil and Grease                   | mg/l  | 2160        | 1172    | 1194    | 463     | 312     | 120     | 746     | 823     | 792     | 186     | 187     | 185     | 118     | 107     | 98.0    |
| Electrical Conductivity          | umhos/cm | 193        | 208     | 220     | 233     | 240     | 250     | 260     | 270     | 280     | 290     | 300     | 310     | 320     | 330     | 340     |
| Bacteriological                  |       |             |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Total Coliform                   | mpn/100ml | >1600      | >1600   | 300     | --      | >1600   | 300     | 240     | >1600   | 900     | 500     | >1600   | >1600   | >1600   | >1600   | >1600   |
| Fecal Coliform                   | mpn/100ml | >1600      | >1600   | <2.0    | --      | >1600   | 240     | <2.0    | >1600   | <2.0    | <2.0    | >1600   | >1600   | >1600   | >1600   | >1600   |
| Fecal Streptococci               | mpn/100ml | >1600      | >1600   | <2.0    | --      | >1600   | 230     | <2.0    | >1600   | <2.0    | <2.0    | >1600   | >1600   | >1600   | >1600   | >1600   |
| Composite Samples Inorganic - Wet Chemistry |       |             |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Laboratory pH                    | units | 7.50        | 7.30    | 7.51    | 6.73    | 6.75    | 7.06    | 7.50    | 7.10    | 7.50    | 7.52    | 6.90    | 7.20    | 7.50    | 7.02    | 7.03    |
| Biochemical Oxygen Demand        | mg/l  | 6.00        | 2.98    | 6.60    | 17.7    | 3.30    | 3.00    | 11.7    | 2.36    | 5.70    | 7.80    | 2.54    | 6.10    | 7.60    | 5.25    | 5.00    |
| Chemical Oxygen Demand           | mg/l  | 70          | 65      | 41      | 141     | 28      | 42      | 74      | 60      | 36      | 41      | 104     | 57      | 50      | 48      | 35      |
| Nitrile - nitrogen               | mg/l  | 1.60        | 1.42    | 1.58    | 3.50    | 2.33    | 2.33    | 3.30    | 0.60    | 2.30    | 3.22    | 1.04    | 3.10    | 2.67    | 1.24    | 2.32    |
| Nitrite - nitrogen               | mg/l  | 0.057       | <0.050  | <0.050  | 0.280   | <0.050  | 0.070   | 0.065   | <0.050  | <0.050  | 0.068   | <0.050  | <0.050  | 0.064   | <0.050  | <0.050  |
| Ammonia as Nitrogen              | mg/l  | 0.40        | <0.10   | 0.11    | 3.6     | 0.29    | 1.21    | 1.57    | <0.10   | <0.10   | 1.65    | <0.10   | 0.21    | 1.28    | 0.11    | <0.10   |
| Total Kjeldahl Nitrogen          | mg/l  | 0.85        | 4.02    | 2.11    | 0.28    | 0.52    | 0.80    | 2.10    | 0.77    | 1.83    | 2.98    | 3.10    | 2.36    | 3.70    | 2.26    | 2.61    |
| Dissolved Phosphorus             | mg/l  | 0.12        | 0.22    | <0.01   | 0.23    | <0.01   | <0.01   | <0.01   | 0.13    | <0.01   | 0.33    | 0.26    | 0.22    | 0.45    | 0.32    | 0.18    |
| Total Phosphorus                 | mg/l  | 0.16        | 1.04    | 0.74    | 0.21    | 0.31    | 0.06    | 0.21    | 0.34    | 0.40    | 0.46    | 0.33    | 0.60    | 0.51    | 0.39    | 0.20    |
| Total Hardness                   | mg/l  | 52.2        | 155     | 35.3    | 44.6    | 21.0    | 26.0    | 216     | 126    | 105     | 40.9    | 35.1    | 45.5    | 44.3    | 35.3    | 25.0    |
| Total Dissolved Solids           | mg/l  | 1356        | 335     | 362     | 372     | 69      | 133     | 279     | 304    | 302     | 120     | 111     | 140     | 132     | 116     | 117     |
| Total Suspended Solids           | mg/l  | 65          | 134     | 286     | 53      | 174     | 34      | 478     | 80     | 87      | 457     | 62      | 200     | 45      | 39      | 42      |
| Turbidity                        | ntu   | 22          | 52      | 58      | 30      | 25      | 13      | 17      | 63     | 60      | 50      | 27      | 38      | 18      | 32      | 35      |
| Surfactants (MBAS)               | mg/l  | 0.33        | 0.21    | 0.08    | 1.49    | 0.13    | 0.60    | 0.48    | 0.24    | 0.20    | 0.35    | 0.22    | 0.13    | 0.47    | 0.44    | 0.14    |
| Organophosphate Pesticides       |       |             |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Diazinon                         | µg/l  | <0.50       | 0.47**  | 0.29    | <0.50   | <0.05   | <0.50   | 0.30**  | 0.39**  | 0.18    | 0.27**  | 0.35**  | 0.20**  | 0.43**  | 0.48**  | 0.08    |
| Chlorypyrifos                    | µg/l  | <0.50       | <0.50   | <0.05   | <0.50   | <0.05   | <0.50   | <0.50   | <0.05   | <0.50   | <0.50   | <0.05   | <0.50   | <0.05   | <0.05   | <0.05   |

*Asterisk (*) indicates an estimated value that is below quantification limit. Double asterisk (**) indicates the percent difference between primary and confirmation columns is greater than 40%.**
### Table 5-2
**DISSOLVED METAL, TOTAL METAL, AND HARDNESS DATA SUMMARY — MASS LOADING STATIONS (AH1, SD5, SD8, SD13, SV1), 1999/2000**

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### Table 5-2
**TOTAL METAL AND HARDNESS DATA SUMMARY — MASS LOADING STATIONS (AH1, SD5, SD8, SD13, SV1), 1998/99**

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<th>SD13</th>
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<td>&lt;0.00025</td>
<td>0.004</td>
<td>&lt;0.00025</td>
</tr>
<tr>
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### Table 5-5

**CONVENTIONAL, BIOLOGICAL AND ORGANIC COMPOUNDS AT MASS LOADING STATIONS (SD5, SD8, SD13, SV1), 1997/98**

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<td>0.57</td>
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<td>Butyl benzyl phthalate</td>
<td>μg/l</td>
<td>&lt;10&lt;sup&gt;a&lt;/sup&gt;</td>
<td>&lt;2.5</td>
<td>2.51</td>
<td>&lt;10&lt;sup&gt;a&lt;/sup&gt;</td>
<td>&lt;2.5</td>
<td>13.3</td>
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<td>29.3</td>
<td>&lt;2.5</td>
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<td>Di-n-butyl phthalate</td>
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<td>69.5</td>
<td>43.8</td>
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* Bis (2-ethylhexyl) phthalate was detected in a field equipment blank taken prior to the start of the wet-weather monitoring season. Since this compound was detected in the blank, levels present in the stormwater should be considered as non-detected at an elevated level.

* Estimated result due to sample holding time exceedence.
### Table 5-8
TOTAL METAL AND HARDNESS DATA SUMMARY — INDUSTRIAL SITES (SC2, NC3, SD11), 1997/98

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<td>&lt;7</td>
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<td>Arsenic</td>
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<td>&lt;53</td>
<td>&lt;53</td>
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<td>&lt;32</td>
</tr>
<tr>
<td>Selenium</td>
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<td>&lt;75</td>
<td>&lt;75</td>
</tr>
<tr>
<td>Thallium</td>
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<td>&lt;40</td>
<td>&lt;40</td>
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<tr>
<td>Zinc</td>
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<td>214</td>
<td>81</td>
</tr>
<tr>
<td>Hardness</td>
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<td>148.0</td>
<td>221.0</td>
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</table>

### Table 5-9
TOTAL METAL AND HARDNESS DATA SUMMARY — MASS LOADING STATIONS (SD5, SD8, SD13, SV1), 1997/98

<table>
<thead>
<tr>
<th>Metals Results 1997/98</th>
<th>SD5</th>
<th>SD8</th>
<th>SD13</th>
<th>SV1</th>
</tr>
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<tbody>
<tr>
<td>Silver</td>
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<td>&lt;5</td>
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<td>Arsenic</td>
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<td>&lt;2</td>
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<td>&lt;5</td>
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<tr>
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<td>17</td>
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</tr>
<tr>
<td>Nickel</td>
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<td>116.0</td>
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</tbody>
</table>