

APPENDICES

APPENDIX A

Quality Assurance Documents and Summary Text

APTOS--QUALITY ASSURANCE (QA) SUMMARY TEXT

Quality Assurance Steps

Accuracy

Percent accuracy is calculated from the drift (the difference between the post-event reading and the value of the Standard), divided by the “true” value of the Standard, times 100. An acceptable value for percent accuracy is less than 10%.

The percent accuracy was calculated for the conductivity meter used in the Aptos watershed and found to be 6.7%, an acceptable value based on the data quality objectives set forth for water quality parameters.

The pH strips from the beginning of the season were not calibrated at the end of the monitoring season, as all the pH strips had been used by that time. Percent accuracy for the pH strips used for the remainder of the monitoring season was calculated and found to be 0%, an acceptable value based on the data quality objectives set forth for water quality parameters.

Two temperature instruments were utilized for the Aptos watershed, a digital instrument for water temperature and a bulb instrument for air temperature. A broken bulb instrument was replaced in the early part of the monitoring season and was therefore unable to be calibrated at the end of the season.

Percent accuracy was calculated for both temperature instruments used in the Aptos watershed; the air temperature instrument was found to be 2.77% and the water temperature instrument was found to be 5.71%, both acceptable values based on the data quality objectives set forth for water quality parameters.

Completeness

There were a total of 33 monitoring events scheduled for this season’s monitoring program, with an overall total of 30 monitoring events conducted during the period. Two additional trainings (one at the Steel Bridge and one at Spreckels Drive Bridge) were held for new volunteers recruited into the program, bringing the total monitoring events to 31 at those two stations. An additional station, the Trout Gulch tributary was added to the program in August on a monthly basis. There were a total of four planned monitoring events for this station, with all four events conducted during the monitoring period.

On a parameter-by-parameter basis 29 to 31 samples were collected at five of the six stations. Dissolved oxygen samples were collected and analyzed 31 of 31 times during the monitoring period at Spreckels Drive Bridge, 29 of 30 times (97%) at the Steel Bridge and at Valencia Elementary School, and 30 of 30 times at Aptos Village Park and Aptos Polo Grounds.

Water temperature values were collected 30 of 30 times at the Steel Bridge, Aptos Village Park and the Polo Grounds during the monitoring period, 31 of 31 times at Spreckels Drive Bridge and 29 of 30 times (97%) at Valencia Elementary School.

Air temperature, pH, conductivity, and turbidity values were collected 30 of 30 times during the monitoring period at the Steel Bridge, Aptos Village Park, Valencia Elementary School and Aptos Polo Grounds and 31 of 31 times at Spreckels Drive Bridge.

At the Trout Gulch tributary, all parameters were collected four of four times during the monitoring period.

Precision

The percent precision was calculated using the formula: the absolute value of A minus B, divided by the average of A and B, times 100, where A equals the parameter result and B equals the replicate results ($|A-B| \times 100 / \text{AVG}(A+B)$). For dissolved oxygen samples (n=30), two values exceeded the precision objective of 10% (11.2% and 11.8%); the remaining values met the precision objective with a range of 0.0-4.1%. Two of the conductivity replicates (n=30) exceeded the precision objective (11.8% and 15.4%). In both instances, the levels were 50 μS apart, and conductivity levels were 650 and 700 μS , and 850 and 900 μS . For temperature, pH and turbidity, the difference between the parameter result and its replicate were compared to the precision objective for each parameter. One of the air temperature replicates (n=30) exceeded the ± 0.5 $^{\circ}\text{C}$ objective, at 5.0 $^{\circ}\text{C}$ and 6.0 $^{\circ}\text{C}$ (1.0 $^{\circ}\text{C}$ difference), as did

one of the water temperatures, at 13.0°C and 13.8°C (0.8 °C difference). One of the pH replicates (n=30) exceeded the precision objective of 0.5 units, with levels at 7.0 and 8.0 (a 1 unit difference). All turbidity samples (n=28) were within the objective values for their respective parameters.

Summary Text

Four teams were created for this sampling season, with a total of fifteen volunteers (Team A with six, and later three members, Team B with three, and later four members, Team C with three members and Team D with three, and later two members. In mid-August, a college bound student in Team A left the program and two other members of Team A left the program due to scheduling conflicts. Team D gained a member early in the program, but he needed to move to Team B in late September due to college schedule conflicts. Nine of the fifteen volunteers in the 2004 monitoring season were returning volunteers from the 2003 season.

Team leaders were very consistent for all teams, with the same team leaders maintained throughout the program. The watershed coordinator was present in 19 of 31 sampling events. Many coordinator field visits were follow up visits to check on volunteer practices and clarify protocols were being followed, others were due to absenteeism. The watershed coordinator was in the field 3 of 5 times with Team A, 6 of 8 times with Team B, 1 of 8 times with Team C, and 8 of 8 times with Team D.

All four volunteer teams worked very well together. None seemed to have, nor did any one express, any concerns or problems working with one another. The April 3, July 3 and July 31 monitoring dates were canceled due to schedule conflicts.

The enthusiasm and dedication of all volunteers for the Aptos Creek water quality monitoring helped with the success of the program in the 2004 season.

BRANCIFORTE-QUALITY ASSURANCE (QA) SUMMARY

Quality Assurance Steps

Accuracy

Percent accuracy is calculated from the drift (the difference between the post-event calibration reading and the value of the Standard), divided by the “true” value of the Standard, times 100. An acceptable value for percent accuracy is less than 10%.

The percent accuracy was calculated for both of the conductivity meters used in the Branciforte watershed and found to be 1.42% and 2.12%, both acceptable values based on the data quality objectives set forth for water quality parameters.

The pH strips from the beginning of the season were not calibrated at the end of the monitoring season, as all the pH strips had been used by that time. Percent accuracy for the pH strips used for the remainder of the monitoring season was calculated and found to be 0%, an acceptable value based on the data quality objectives set forth for water quality parameters.

Two digital temperature instruments were used for the Branciforte watershed with each being used for both air and water. Percent accuracy was calculated for both temperature instruments used; one was found to be 5.14%, and the other was found to be 1.14%, both acceptable values based on the data quality objectives set forth for water quality parameters.

Completeness

56 monitoring events were planned for the Branciforte watershed with 47 of these trips being completed. In addition, nutrient sampling was done on March 8, May 25, July 6, August 16, September 22, October 7, and November 8, 2004, and included two to seven stations each time. Eleven to eighteen monitoring events were conducted at each station, and the coordinator supervised in water quality testing a total of nine trips throughout the season. Water and air temperatures were taken 96 out of 105 times (91%), pH was taken 99 out of 105 times (94%), dissolved oxygen was taken 93 out of 105 times (89%), conductivity was taken 96 out of 105 times (91%), and turbidity was taken 97 out of 105 times (92%). On two occasions, the Branciforte/San Lorenzo River confluence had water levels too high to allow tests to be conducted, and on three occasions Granite Creek was completely dry, also not allowing for tests to be conducted. The above numbers do include these inaccessible times.

Precision

The percent precision was calculated using the formula: the absolute value of A minus B, divided by the average of A and B, times 100, where A equals the parameter result and B equals the replicate results ($|A-B| \times 100 / \text{AVG}(A+B)$). For dissolved oxygen samples (n=18), all the values were below the precision objective of 10% and fell within a range of 0.0- 6.9%. For conductivity (n=19), all the values were below the precision objective of 10% and fell within a range of 0.0- 4.9%. For temperature, pH and turbidity, the difference between the parameter result and its replicate were compared to the precision objective for each parameter. Two of the air temperature replicates (n=17) were more than 1.0 °C, above the ± 0.5 °C objective. All water temperature (n=17), pH (n=20) and turbidity (n=19) replicates were within the objective values for their respective parameters.

Summary Text

The volunteers in the Branciforte Watershed were very committed and worked together to schedule field visits in which at least two volunteers in the group could be present to conduct the water testing.

Hours spent by Branciforte Creek volunteers in the field, at the community meeting, and at in-field training came to a total of 305 hours between March 24, 2004 - November 16, 2004 for all 21 volunteers. A total of five teams (plus the Happy Valley School volunteer team) were formed and maintained throughout the season with three to four volunteers per team. All teams worked very well together and showed continued enthusiasm throughout the season, and 9 out of 21 volunteers were returning volunteers from the 2003 monitoring season. One volunteer allowed us new access to a higher point in Branciforte Creek with the addition of our seventh site, 4055 Branciforte. Overall the 2004 season was a large success with a majority of the volunteers wanting to continue monitoring throughout 2005.

CORRALITOS—QUALITY ASSURANCE (QA) SUMMARY TEXT

Quality Assurance Steps

Accuracy

Percent accuracy is calculated from the drift (the difference between the post-event reading and the value of the Standard), divided by the “true” value of the Standard, times 100. An acceptable value for percent accuracy is less than 10%.

The percent accuracy was calculated for the conductivity meter used in the Corralitos Watershed and was found to be 0% (there was no drift recorded during the post-event reading), an acceptable value based on the data quality objectives set forth for water quality parameters.

The pH strips from the beginning of the season were not calibrated at the end of the monitoring season, as all the pH strips had been used by that time. Percent accuracy for the pH strips used for the remainder of the monitoring season was calculated and found to be 0%, an acceptable value based on the data quality objectives set forth for water quality parameters.

Two bulb temperature instruments were utilized for the Corralitos watershed, one for water and one for air temperature. Percent accuracy was calculated for both temperature instruments used in the Corralitos watershed and found to be 2.77% for both, an acceptable value based on the data quality objectives set forth for water quality parameters.

Completeness

At the beginning of the season, there were a total of 17 monitoring events scheduled for this season’s monitoring program. An overall total of 26 monitoring events were conducted during the period, as a third team was created in early July with the recruitment of two additional volunteers. On a parameter-by-parameter basis 25 to 26 samples were collected. Water and air temperature, pH, conductivity, and turbidity were collected 26 of 26 times during the monitoring program at East Lake Avenue Bridge, Pista Lane and Browns Valley Road and 25 of 25 times at Eureka Canyon Road.

Dissolved oxygen was collected 26 of 26 times during the monitoring program at East Lake Avenue Bridge and Pista Lane, 25 of 25 times at Eureka Canyon Road and 25 of 26 times (96%) at Browns Valley Road.

Precision

The percent precision was calculated using the formula: the absolute value of A minus B, divided by the average of A and B, times 100, where A equals the parameter result and B equals the replicate results ($|A-B| \times 100 / \text{AVG}(A+B)$). For dissolved oxygen samples (n=22), two values exceeded the precision objective of 10% (10.3% and 13/3%), but the remaining values met the precision objective with a range of 0.0-7.8%. All of the conductivity replicates (n=23) met the precision objective, with a range of 0.0-3.6%. For temperature, pH, and turbidity, the difference between the parameter result and its replicate were compared to the precision objective for each parameter. Three of the air temperature replicates (n=22) exceeded the ± 0.5 °C objective with 1.0 °C differences in each replicate. One of the water temperatures exceeded the ± 0.5 °C objective with a 1.0 °C difference. Three of the turbidity replicates (n=17) exceeded the precision objective of 0.5 units. In these instances, the levels were 10, 20, and 50 JTU units apart. All pH replicates (n=23) were within the objective values for their respective parameters.

Summary Text

Three teams were created for this sampling season, with a total of ten volunteers (Team A with three, and later four members, Team B with four members, and Team C with two members). Team A gained a new volunteer towards the end of the program, while Team C was created in July after two new volunteers were recruited into the program. Between April 18– June 30, Teams A and B monitored twice monthly; between July 1- November 20 monitoring occurred 3-5 times monthly, as Team C’s availability allowed monitoring every other week. The addition of Team C increased monitoring events by eight during the course of the entire season. Six of the ten volunteers in the 2004 monitoring season were returning volunteers from the 2003 season.

Team leaders were very consistent in all teams, with the same team leaders maintained throughout the program. The watershed coordinator was present in 18 of 25 sampling events. Many coordinator field visits were follow up visits to check on volunteer practices and clarify protocols were being followed, others were due to absenteeism. The watershed coordinator was in the field 5 of 9 times with Team A, 5 of 8 times with Teams B, and 8 of 8 times with Team C.

All three volunteer teams worked very well together. None seemed to have, nor did any one express, any concerns or problems working with one another. The November 10 monitoring date was canceled due to schedule conflicts.

The enthusiasm and dedication of all volunteers for the Corralitos Creek water quality monitoring helped with the success of the program during the 2004 season. Additionally, the continued access to Corralitos Creek via residents' Ron Ware's property on Eureka Canyon Road and Mark & Carol Pista's property off Freedom Boulevard aided in the success of the 2004 season.

GAZOS CREEK—QUALITY ASSURANCE (QA) SUMMARY TEXT

Quality Assurance Steps

Accuracy

Percent accuracy is calculated from the drift (the difference between the post-event reading and the value of the Standard), divided by the “true” value of the Standard, times 100. An acceptable value for percent accuracy is less than 10%.

The percent accuracy was calculated for the conductivity meter used in the Gazos Creek watershed and found to be 0.2%, an acceptable value based on the data quality objectives set forth for water quality parameters.

The pH strips from the beginning of the season were not calibrated at the end of the monitoring season, as all the pH strips had been used by that time. Percent accuracy for the pH strips used for the remainder of the monitoring season was calculated and found to be 0%, an acceptable value based on the data quality objectives set forth for water quality parameters.

Three temperature instruments were used in the Gazos Creek watershed. Separate bulb instruments for air and water temperature were used most frequently, while a digital instrument was used for both air and water temperature on occasion. Percent accuracy was calculated for both bulb temperature instruments used in the Gazos Creek watershed. The air temperature instrument was found to be 100% accurate and the water temperature instrument was found to be 94.7% accurate. Both of these instruments produced acceptable values based on the data quality objectives set forth for water quality parameters.

Completeness

There were a total of 26 monitoring events scheduled for this season’s monitoring program. Gazos Creek was monitored 26 times during the season, however, one monitoring trip involved sampling at only two of the four stations. In terms of monitoring effort, completeness was 98% in 2004.

On a parameter-by-parameter basis, air and water temperature, conductivity, and pH, were all analyzed 129 out of 131 times (98%), turbidity was analyzed 128 out of 130 times (98%), and dissolved oxygen samples were collected and analyzed 126 out of 131 times (95%). One data set for Old Woman’s Creek was collected on Snapshot Day, when transparency was measured instead of turbidity. This explains why there was one less data point overall for turbidity than for the other parameters measured. Dissolved oxygen samples were not fixed properly on one occasion during the 2004 monitoring season, as a result, dissolved oxygen readings were discarded for all sites in the watershed with the exception of Mainstem on that particular monitoring trip.

Precision

The percent precision was calculated using the formula: the absolute value of A minus B, divided by the average of A and B, times 100, where A equals the parameter result and B equals the replicate results ($|A-B| \times 100 / \text{AVG}(A+B)$). For dissolved oxygen samples (n=25), all values met the precision objective with a range of 0.0-9.8%. For conductivity samples (n=26), all values met the precision objective with a range of 0.0-2.7%. For temperature, pH, and turbidity, the difference between the parameter result and its replicate were compared to the precision objective for each parameter. One of the air temperature replicates (n=26) exceeded the ± 0.5 °C objective, at 8.0 °C and 9.0°C (1.0 °C difference), as did one of the water temperature replicates (n=26), at 13.0°C and 14.0°C (1.0 °C difference). All of the pH and turbidity replicates (n=26) met the precision objective with 100% precision.

Volunteer Participation

A total of twelve people participated as volunteers in the Clean Streams program at Gazos Creek during the 2004 monitoring season. Half of these people took part in one or two monitoring efforts, while the other half contributed throughout the season. Three teams consisting of two people conducted the majority of the monitoring at Gazos Creek in 2004. The coordinator substituted for each team at least once, but not more than twice, during the season. Initially, a fourth team was created at the beginning of the season but was dissolved due to a lack of consistent participation. The coordinator substituted for this team (team D) throughout the monitoring season. The six regular Clean Streams volunteers from teams A, B, and C, participated with great enthusiasm, dedication, and a willingness to work together. These teams required very little supervision or guidance from the coordinator.

WATSONVILLE SLOUGHS—QUALITY ASSURANCE (QA) SUMMARY TEXT

Quality Assurance Steps

Accuracy

Percent accuracy is calculated from the drift (the difference between the post-event reading and the value of the Standard), divided by the “true” value of the Standard, times 100. An acceptable value for percent accuracy is less than 10%.

The percent accuracy was calculated for the conductivity meter used in the Watsonville watershed and found to be 3.33%; an acceptable value based on the data quality objectives set forth for water quality parameters.

The pH strips from the beginning of the season were not calibrated at the end of the monitoring season, as all the pH strips had been used by that time. Percent accuracy for the pH strips used for the remainder of the monitoring season was calculated and found to be 0%, an acceptable value based on the data quality objectives set forth for water quality parameters.

One digital temperature instrument was utilized for the Watsonville Sloughs for both air and water temperatures. Percent accuracy was calculated for the temperature instrument and was found to be 4.57%, an acceptable value based on the data quality objectives set forth for water quality parameters.

Completeness

There were a total of 26 monitoring events scheduled for this season’s monitoring program, with an overall total of 23 monitoring events conducted during the period. Two of the five sites dried out midway through the season, resulting in lower completeness percentages. At Ramsay Park, air temperature, pH, and conductivity were collected 23 out of 23 times (100%), water temperature 21 out of 23 times (91%), and dissolved oxygen and turbidity 22 out of 23 times (95%). At Beach Road, air and water temperature and pH were collected 22 out of 23 times (95%) and dissolved oxygen and turbidity were collected 21 out of 23 times (91%). At Buena Vista, air and water temperature, pH, and turbidity were collected 22 out of 23 times (95%) and dissolved oxygen was collected 21 out of 23 times (91%). At Green Valley Rd. all parameters were collected 11 out of 23 times (48%), and at Harkins Slough Rd. air and water temperature, conductivity, and turbidity were collected 10 out of 23 times (43%) and dissolved oxygen 8 out of 23 times (35%).

The low completeness values for Green Valley Rd. were due both to heavy construction causing safety concerns for volunteers, and to prohibitively low water levels. Low completeness values at Harkins Slough Rd. were due to low water levels.

Precision

The percent precision was calculated using the formula: the absolute value of A minus B, divided by the average of A and B, time 100, where A equals the parameter result and B equals the replicate results ($|A-B| \times 100 / \text{AVG}(A+B)$). For dissolved oxygen samples (n=16), all of the values met the precision objective of 10% with a range of 0.0-4.9%. Two of the conductivity replicates (n=16) exceeded the precision objective (13.3% and 18.2%). In both instances, the levels were 100 μS apart, and conductivity levels were 700 and 800 μS , and 500 and 600 μS . For temperature, pH, and turbidity, the difference between the parameter result and its replicate were compared to the precision objective for each parameter. Two of the air temperature replicates (n=16) were more than ± 1.0 $^{\circ}\text{C}$, exceeding the ± 0.5 $^{\circ}\text{C}$ objective. All pH and turbidity replicates were within the objective values for their respective parameters.

Summary Text

Four teams were created for this sampling season, with a total of twelve volunteers. Teams designated early on in the season changed various times, as several new members joined the program, and several others discontinued (one member moved out of town, one began school, and one started a new job).

Due to the shifts in team members and volunteer numbers, teams did not stay consistent throughout the program, however all volunteers were flexible, and seemed to enjoy the opportunity to meet other team members. Because new volunteers hadn’t had a chance to go through the volunteer monitoring training, the Watershed Coordinator

conducted several in-field trainings/monitoring events, and was present at the majority of monitoring events. The high levels of changes in the teams made designating consistent team leaders difficult, however several volunteers served as de facto team leaders, taking responsibility for kit pick up/drop off, and general maintenance.

APPENDIX B

Clean Streams 2004 Data Table

Aptos Creek – Result Data

<u>Site ID</u>	<u>Site description</u>	<u>Team</u>	<u>Date</u>	<u>Time</u>	<u>Rain in last 24 hrs?</u>	<u>AIR_TEMP</u>	<u>H2O_TEMP</u>	<u>PH</u>	<u>D.O.</u>	<u>COND_US</u>	<u>TURBIDITY</u>
APTOS-21	Steel Bridge	B	04/09/04	11:56 AM	no	13.0	13.0	7.0	9.2	700	0
APTOS-21	Steel Bridge	C	04/17/04	9:55 AM	no	8.5	9.0	7.0	10.1	700	0
APTOS-21	Steel Bridge	D	04/27/04	1:02 PM	no	21.0	15.0	7.5	8.6	800	5
APTOS-21	Steel Bridge	B	05/07/04	12:55 PM	no	16.5	13.6	7.5	8.6	800	0
APTOS-21	Steel Bridge	C	05/15/04	8:51 AM	no	11.0	12.7	7.0	9.0	800	0
APTOS-21	Steel Bridge	D	05/25/04	11:40 AM	no	15.0	12.5	7.5	9.2	800	0
APTOS-21	Steel Bridge	A	06/05/04	12:02 PM	no	16.0	14.5	7.5	9.6	800	0
APTOS-21	Steel Bridge	B	06/11/04	2:48 PM	no	18.0	16.2	7.5		800	0
APTOS-21	Steel Bridge	C	06/19/04	9:33 AM	no	14.0	14.5	7.5	9.6	800	0
APTOS-21	Steel Bridge	D	06/21/04	12:45 PM	no	15.0	16.0	8.0	9.2	900	0
APTOS-21	Steel Bridge	B	07/09/04	10:54 AM	no	15.0	14.8	8.0	8.8	800	0
APTOS-21	Steel Bridge	C	07/17/04	9:55 AM	no	15.0	15.6	7.5	9.0	900	0
APTOS-21	Steel Bridge	D	07/23/04	10:34 AM	no	14.0	16.2	7.5	8.6	900	0
APTOS-21	Steel Bridge	B	08/06/04	1:05 PM	no	19.5	15.7	7.5	8.8	800	0
APTOS-21	Steel Bridge	C	08/14/04	9:35 AM	no	15.0	16.0	7.5	9.2	900	0
APTOS-21	Steel Bridge	D	08/24/04	1:05 PM	no	19.0	17.0	7.5	8.8	900	0
APTOS-21	Steel Bridge	A	08/30/04	12:01 PM	no	15.0	15.8	7.5	9.4	900	0
APTOS-21	Steel Bridge	B	09/03/04	11:02 AM	no	16.0	14.6	7.5	9.0	900	0
APTOS-21	Steel Bridge	C	09/10/04	11:25 AM	no	16.5	15.3	7.5	9.0	900	0
APTOS-21	Steel Bridge	D	09/14/04	12:30 PM	no	18.0	15.0	7.5	8.6	900	0
APTOS-21	Steel Bridge	A	09/25/04	1:05 PM	no	16.0	13.8	7.5	9.6	900	0
APTOS-21	Steel Bridge	Training	09/21/04	9:35 AM	no	9.0	11.9	7.5	10.2	900	0
APTOS-21	Steel Bridge	B	10/01/04	12:15 PM	no	15.0	14.0	7.5	9.6	900	0
APTOS-21	Steel Bridge	C	10/08/04	10:45 AM	no	13.5	13.9	7.5	9.6	900	0
APTOS-21	Steel Bridge	D	10/12/04	10:10 AM	no	11.0	11.8	7.5	9.6	900	0
APTOS-21	Steel Bridge	A	10/23/04	12:10 PM	yes	13.0	11.8	7.5	10.4	800	0
APTOS-21	Steel Bridge	B	10/29/04	11:25 AM	no	10.5	10.7	7.5	10.2	900	0
APTOS-21	Steel Bridge	C	11/06/04	9:37 AM	no	7.5	9.2	7.5	10.6	900	0
APTOS-21	Steel Bridge	D	11/09/04	9:20 AM	no	11.5	11.6	7.5	10.0	900	0
APTOS-21	Steel Bridge	A	11/20/04	10:55 AM	no	7.5	8.7	7.0	10.2	900	0
APTOS-24	Spreckels Bridge		03/08/04	12:05 PM	no	22.0	12.5	7.5	8.2	510	5
APTOS-24	Spreckels Bridge	B	04/09/04	10:00 AM	no	11.0	12.0	7.5	9.2	700	5
APTOS-24	Spreckels Bridge	C	04/17/04	8:40 AM	no	9.5	9.0	7.0	10.1	700	0

<u>Site ID</u>	<u>Site description</u>	<u>Team</u>	<u>Date</u>	<u>Time</u>	<u>Rain in last 24 hrs?</u>	<u>AIR_TEMP</u>	<u>H2O_TEMP</u>	<u>PH</u>	<u>D.O.</u>	<u>COND_US</u>	<u>TURBIDITY</u>
APTOS-24	Spreckels Bridge	Training	04/20/04	9:30 AM	yes	12.0	13.0	6.5	9.6	300	10
APTOS-24	Spreckels Bridge	D	04/27/04	11:10 AM	no	21.5	15.0	7.0	7.8	700	5
APTOS-24	Spreckels Bridge	B	05/07/04	9:22 AM	no	13.5	12.7	7.0	7.6	700	5
APTOS-24	Spreckels Bridge	C	05/15/04	7:50 AM	no	11.0	12.6	7.0	8.4	700	0
APTOS-24	Spreckels Bridge	D	05/25/04	10:40 AM	no	14.5	13.7	8.0	9.0	700	5
APTOS-24	Spreckels Bridge	A	06/05/04	12:45 PM	no	15.5	15.8	7.5	8.8	800	20
APTOS-24	Spreckels Bridge	B	06/11/04	9:31 AM	no	12.0	14.0	7.5	9.6	800	0
APTOS-24	Spreckels Bridge	C	06/19/04	8:35 AM	no	14.0	14.8	7.5	9.2	800	0
APTOS-24	Spreckels Bridge	D	06/22/04	11:12 AM	no	15.0	15.9	7.5	9.4	800	0
APTOS-24	Spreckels Bridge	B	07/09/04	8:51 AM	no	14.5	15.0	7.5	9.0	800	0
APTOS-24	Spreckels Bridge	C	07/17/04	8:50 AM	no	14.5	15.6	7.5	8.8	800	0
APTOS-24	Spreckels Bridge	D	07/23/04	8:07 AM	no	15.0	16.2	7.5	9.0	800	0
APTOS-24	Spreckels Bridge	B	08/06/04	9:18 AM	no	15.5	15.2	7.5	9.0	900	0
APTOS-24	Spreckels Bridge	C	08/14/04	8:40 AM	no	15.0	16.3	7.5	9.2	900	0
APTOS-24	Spreckels Bridge	D	08/24/04	9:20 AM	no	16.5	16.7	8.0	8.8	900	0
APTOS-24	Spreckels Bridge	A	08/30/04	9:45 AM	no	15.0	16.0	7.5	8.6	900	0
APTOS-24	Spreckels Bridge	B	09/03/04	9:15 AM	no	14.5	14.7	7.5	9.0	900	0
APTOS-24	Spreckels Bridge	C	09/10/04	9:45 AM	no	14.5	15.6	7.5	8.6	900	0
APTOS-24	Spreckels Bridge	D	09/14/04	10:45 AM	no	17.0	15.8	7.5	8.2	900	0
APTOS-24	Spreckels Bridge	A	09/25/04	11:46 AM	no	15.0	14.6	7.5	10.0	800	0
APTOS-24	Spreckels Bridge	B	10/01/04	9:30 AM	no	14.0	14.1	7.5	9.2	900	0
APTOS-24	Spreckels Bridge	C	10/08/04	9:20 AM	no	15.0	14.3	7.5	9.2	900	0
APTOS-24	Spreckels Bridge	D	10/12/04	11:52 AM	no	20.5	13.6	7.5	9.2	900	0
APTOS-24	Spreckels Bridge	A	10/23/04	11:00 AM	yes	14.0	12.3	7.5	10.2	800	0
APTOS-24	Spreckels Bridge	B	10/29/04	9:25 AM	no	10.0	10.8	7.5	9.8	700	5
APTOS-24	Spreckels Bridge	C	11/06/04	8:45 AM	no	8.5	9.3	7.5	10.4	900	0
APTOS-24	Spreckels Bridge	D	11/09/04	8:02 AM	no	11.0	11.9	7.5	10.0	800	0
APTOS-24	Spreckels Bridge	A	11/20/04	12:00 PM	no	14.0	10.1	7.5	10.0	800	0

<u>Site ID</u>	<u>Site description</u>	<u>Team</u>	<u>Date</u>	<u>Time</u>	<u>Rain in last 24 hrs?</u>	<u>AIR_TEMP</u>	<u>H2O_TEMP</u>	<u>PH</u>	<u>D.O.</u>	<u>COND_US</u>	<u>TURBIDITY</u>
APTOS-25	Aptos Village Park		03/08/04	11:32 AM	no	23.0	12.0	7.0	9.2	530	0
APTOS-25	Aptos Village Park	B	04/09/04	11:06 AM	no	12.0	12.0	7.0	9.8	700	0
APTOS-25	Aptos Village Park	C	04/17/04	9:15 AM	no	10.5	9.5	6.5	10.2	700	0
APTOS-25	Aptos Village Park	D	04/27/04	11:55 AM	no	24.5	15.0	7.5	8.2	800	0
APTOS-25	Aptos Village Park	B	05/07/04	10:18 AM	no	15.5	13.2	7.5	8.6	700	0
APTOS-25	Aptos Village Park		05/13/04	11:50 AM	no	16.0	13.5	7.0	9.0	800	0
APTOS-25	Aptos Village Park	C	05/15/04	8:15 AM	no	11.5	12.8	7.0	6.0	800	0
APTOS-25	Aptos Village Park	D	05/25/04	12:26 PM	no	15.5	14.7	7.5	8.6	800	0
APTOS-25	Aptos Village Park	A	06/05/04		no	Unable to access (wedding)					
APTOS-25	Aptos Village Park	B	06/11/04	1:12 PM	no	15.5	16.3	7.5	8.6	800	0
APTOS-25	Aptos Village Park	C	06/19/04	9:05 AM	no	14.0	14.9	7.5	8.8	800	0
APTOS-25	Aptos Village Park	D	06/22/04	11:50 AM	no	15.5	16.6	7.5	9.2	800	0
APTOS-25	Aptos Village Park	B	07/09/04	11:43 AM	no	16.5	15.5	7.5	8.4	800	0
APTOS-25	Aptos Village Park	C	07/17/04	9:20 AM	no	17.0	15.9	7.5	8.8	800	0
APTOS-25	Aptos Village Park	D	07/23/04	11:30 AM	no	14.5	16.4	7.5	8.4	900	0
APTOS-25	Aptos Village Park	B	08/06/04	2:00 PM	no	21.0	17.8	7.5	7.2	800	0
APTOS-25	Aptos Village Park	C	08/14/04	9:07 AM	no	15.0	16.3	7.5	9.0	900	0
APTOS-25	Aptos Village Park	D	08/24/04	12:00 PM	no	20.0	17.3	8.0	7.6	900	0
APTOS-25	Aptos Village Park	A	08/30/04	11:29 AM	no	15.0	16.1	7.5	9.0	900	0
APTOS-25	Aptos Village Park	B	09/03/04	10:11 AM	no	16.0	15.3	7.5	8.0	900	0
APTOS-25	Aptos Village Park	C	09/10/04	10:30 AM	no	16.0	15.8	7.5	8.6	900	0
APTOS-25	Aptos Village Park	D	09/14/04	11:30 AM	no	18.5	15.4	7.5	8.4	900	0
APTOS-25	Aptos Village Park	A	09/25/04	12:20 PM	no	15.0	14.3	7.5	9.4	900	0
APTOS-25	Aptos Village Park	B	10/01/04	1:10 PM	no	16.5	15.0	7.5	9.0	900	0
APTOS-25	Aptos Village Park	C	10/08/04	10:00 AM	no	16.0	14.2	7.5	9.2	900	0
APTOS-25	Aptos Village Park	D	10/12/04	11:00 AM	no	18.0	12.4	7.5	8.8	900	0
APTOS-25	Aptos Village Park	A	10/23/04	11:40 AM	yes	14.0	12.2	7.5	10.4	800	0
APTOS-25	Aptos Village Park	B	10/29/04	12:00 PM	no	15.0	11.5	7.5	9.6	800	0

<u>Site ID</u>	<u>Site description</u>	<u>Team</u>	<u>Date</u>	<u>Time</u>	<u>Rain in last 24 hrs?</u>	<u>AIR_TEMP</u>	<u>H2O_TEMP</u>	<u>PH</u>	<u>D.O.</u>	<u>COND_US</u>	<u>TURBIDITY</u>
APTOS-25	Aptos Village Park	C	11/06/04	9:07 AM	no	9.0	9.7	7.5	10.2	900	0
APTOS-25	Aptos Village Park	D	11/09/04	8:40 AM	no	12.0	11.8	7.5	8.8	900	0
APTOS-25	Aptos Village Park	A	11/20/04	11:30 AM	no	13.0	10.0	7.0	10.2	900	0
VALEN-23	Valencia E. School		03/08/04	8:40 AM	no	10.0	10.0	7.5	10.2	510	20
VALEN-23	Valencia E. School	B	04/09/04	12:50 PM	no	12.0	13.0	7.5	9.2	600	15
VALEN-23	Valencia E. School	C	04/17/04	11:15 AM	no	11.5	10.0	7.0	10.2	600	10
VALEN-23	Valencia E. School	D	04/27/04	10:09 AM	no	17.0		7.5	8.2	600	15
VALEN-23	Valencia E. School	B	05/07/04	11:02 AM	no	15.0	13.0	7.5	7.2	600	10
VALEN-23	Valencia E. School	C	05/15/04	10:00 AM	no	12.5	12.7	7.0	9.4	600	10
VALEN-23	Valencia E. School	D	05/25/04	9:47 AM	no	13.0	12.7	7.5	8.8	600	15
VALEN-23	Valencia E. School	A	06/05/04	11:08 AM	no	15.0	14.8	7.5	9.4	600	15
VALEN-23	Valencia E. School	B	06/11/04	12:22 PM	no	14.5	15.6	7.5	8.4	600	0
VALEN-23	Valencia E. School	C	06/19/04	10:42 AM	no	15.0	14.9	7.5	8.9	700	10
VALEN-23	Valencia E. School	D	06/21/04	10:25 AM	no	15.0	15.1	7.0	9.4	600	5
VALEN-23	Valencia E. School	B	07/09/04	10:20 AM	no	14.5	14.9	7.0	9.0	600	10
VALEN-23	Valencia E. School	C	07/17/04	11:20 AM	no	18.0	17.0	7.5		600	5
VALEN-23	Valencia E. School	D	07/23/04	9:50 AM	no	13.6	15.7	7.0	9.0	600	0
VALEN-23	Valencia E. School	B	08/06/04	12:00 PM	no	16.5	16.1	7.5	8.5	600	0
VALEN-23	Valencia E. School	C	08/14/04	10:45 AM	no	15.0	16.0	7.5	9.0	700	0
VALEN-23	Valencia E. School	D	08/24/04	10:50 AM	no	18.0	17.1	7.0	8.0	700	0
VALEN-23	Valencia E. School	A	08/30/04	11:00 AM	no	15.0	15.5	7.0	8.4	800	0
VALEN-23	Valencia E. School	B	09/03/04	11:55 AM	no	18.0	15.6	7.0	7.6	900	0
VALEN-23	Valencia E. School	C	09/10/04	8:17 AM	no	13.5	14.8	7.5	8.0	900	0
VALEN-23	Valencia E. School	D	09/14/04	10:05 AM	no	15.0	14.6	7.0	7.6	900	0
VALEN-23	Valencia E. School	A	09/25/04	1:35 PM	no	16.0	14.9	7.5	8.6	900	0
VALEN-23	Valencia E. School	B	10/01/04	11:10 AM	no	14.5	14.5	7.0	9.0	600	0
VALEN-23	Valencia E. School	C	10/08/04	12:05 PM	no	16.5	15.6	7.5	8.2	800	0
VALEN-23	Valencia E. School	D	10/12/04	8:35 AM	no	8.0	10.7	7.0	8.8	800	0

<u>Site ID</u>	<u>Site description</u>	<u>Team</u>	<u>Date</u>	<u>Time</u>	<u>Rain in last 24 hrs?</u>	<u>AIR_TEMP</u>	<u>H2O_TEMP</u>	<u>PH</u>	<u>D.O.</u>	<u>COND_US</u>	<u>TURBIDITY</u>
VALEN-23	Valencia E. School	A	10/23/04	12:40 PM	yes	13.0	12.7	7.5	10.2	600	5
VALEN-23	Valencia E. School	B	10/29/04	11:00 AM	no	11.5	11.0	7.5	9.8	600	10
VALEN-23	Valencia E. School	C	11/06/04	11:42 AM	no	11.5	10.0	7.5	10.4	600	5
VALEN-23	Valencia E. School	D	11/09/04	10:16 AM	no	12.0	12.4	7.0	10.0	600	0
VALEN-23	Valencia E. School	A	11/20/04	10:20 AM	no	7.5	8.4	7.0	11.2	600	0
VALEN-24	Aptos Polo Grounds		03/08/04	10:10 AM	no	12.0	11.0	7.0	9.4	500	10
VALEN-24	Aptos Polo Grounds	B	04/09/04	1:45 PM	no	13.0	13.0	7.5	10.0	600	10
VALEN-24	Aptos Polo Grounds	C	04/17/04	10:40 AM	no	10.5	9.5	7.0	10.2	600	0
VALEN-24	Aptos Polo Grounds	D	04/27/04	8:55 AM	no	13.0	13.0	8.0	9.0	600	10
VALEN-24	Aptos Polo Grounds	B	05/07/04	11:56 AM	no	17.5	13.4	7.5	7.6	600	5
VALEN-24	Aptos Polo Grounds	C	05/15/04	9:26 AM	no	12.0	12.2	7.0	9.8	600	5
VALEN-24	Aptos Polo Grounds	D	05/25/04	8:15 AM	no	11.5	11.5	7.5	10.0	600	10
VALEN-24	Aptos Polo Grounds	A	06/05/04	10:00 AM	no	13.5	13.0	7.0	8.4	600	0
VALEN-24	Aptos Polo Grounds	B	06/11/04	10:47 AM	no	13.5	13.4	7.5	9.4	600	0
VALEN-24	Aptos Polo Grounds	C	06/19/04	10:11 AM	no	14.0	14.5	7.5	9.2	600	5
VALEN-24	Aptos Polo Grounds	D	06/22/04	9:31 AM	no	15.0	14.5	7.5	9.0	600	0
VALEN-24	Aptos Polo Grounds	B	07/09/04	9:38 AM	no	15.0	14.6	8.0	8.6	600	0
VALEN-24	Aptos Polo Grounds	C	07/17/04	10:40 AM	no	17.0	15.3	7.5	9.2	600	0
VALEN-24	Aptos Polo Grounds	D	07/23/04	9:03 AM	no	15.0	15.6	8.0	9.2	600	0
VALEN-24	Aptos Polo Grounds	B	08/06/04	10:58 AM	no	17.0	14.5	7.5	8.6	600	5
VALEN-24	Aptos Polo Grounds	C	08/14/04	10:15 AM	no	14.5	15.7	7.5	9.6	600	5
VALEN-24	Aptos Polo Grounds	D	08/24/04	8:20 AM	no	15.0	16.0	7.5	9.0	600	5
VALEN-24	Aptos Polo Grounds	A	08/30/04	10:25 AM	no	14.5	15.5	7.5	9.6	600	0
VALEN-24	Aptos Polo Grounds	B	09/03/04	12:46 PM	no	19.0	15.6	7.5	8.2	600	0
VALEN-24	Aptos Polo Grounds	C	09/10/04	9:10 AM	no	13.0	14.9	8.0	9.2	600	0
VALEN-24	Aptos Polo Grounds	D	09/14/04	8:20 AM	no	10.5	13.4	7.5	10.0	600	0
VALEN-24	Aptos Polo Grounds	A	09/25/04	2:24 PM	no	17.0	15.1	7.5	9.5	600	0
VALEN-24	Aptos Polo Grounds	B	10/01/04	10:10 AM	no	13.5	13.8	7.5	10.0	600	0

<u>Site ID</u>	<u>Site description</u>	<u>Team</u>	<u>Date</u>	<u>Time</u>	<u>Rain in last 24 hrs?</u>	<u>AIR_TEMP</u>	<u>H2O_TEMP</u>	<u>PH</u>	<u>D.O.</u>	<u>COND_US</u>	<u>TURBIDITY</u>
VALEN-24	Aptos Polo Grounds	C	10/08/04	11:30 AM	no	16.5	14.4	7.5	9.4	600	0
VALEN-24	Aptos Polo Grounds	D	10/12/04	9:20 AM	no	9.0	10.7	7.5	10.0	600	0
VALEN-24	Aptos Polo Grounds	A	10/23/04	1:10 PM	yes	12.5	12.6	7.5	10.6	600	5
VALEN-24	Aptos Polo Grounds	B	10/29/04	10:02 AM	no	10.0	10.9	7.5	10.2	600	5
VALEN-24	Aptos Polo Grounds	C	11/06/04	10:21 AM	no	9.0	9.2	7.5	10.8	600	0
VALEN-24	Aptos Polo Grounds	D	11/09/04	11:46 AM	no	12.5	12.6	7.5	10.0	600	0
VALEN-24	Aptos Polo Grounds	A	11/20/04	9:32 AM	no	6.0	8.3	7	10.8	600	5
TROUT-21	Trout Gulch/School	D	08/24/04	10:02 AM	no	15.5	17.0	7.0	8.8	700	5
TROUT-21	Trout Gulch/School	D	09/14/04	9:31 AM	no	15.0	14.7	7.0	8.6	700	0
TROUT-21	Trout Gulch/School	D	10/12/04	8:06 AM	no	8.0	12.2	7.5	9.2	700	0
TROUT-21	Trout Gulch/School	D	11/09/04	10:54 AM	no	13.0	13.7	7.0	9.2	600	0

Bold numbers indicate exceedences of the Water Quality Objectives set forth by CCAMP.

Branciforte Creek – Result Data

Station ID	Description	Date	Group	Time	Air Temp (°C)	Water Temp (°C)	pH	DO (mg/l)	Conductivity (µS)	Turbidity (JTU)
BRANC-21	B40/SLR	05/18/04	C	10:15	15.7	16.9	8.0	11.2	550	<5
BRANC-21	B40/SLR	05/29/04	D	10:04	17.2	15.8	7.5	9.0	550	5
BRANC-21	B40/SLR	06/01/04	E	9:52	14.2	17.1	7.5	10.8	610	<5
BRANC-21	B40/SLR	06/12/04	B	10:59	16.1	19.2	7.5	10.0	590	<5
BRANC-21	B40/SLR	06/15/04	C	9:55	17.1	17.3	7.5	9.2	640	<10
BRANC-21	B40/SLR	06/29/04	D	13:39	20.7	27.4	8.0	12.4	650	5
BRANC-21	B40/SLR	07/10/04	B	11:03	18.1	19.8	7.5		650	<5
BRANC-21	B40/SLR	07/13/04	C	9:55	15.8	17.9	7.5	9.6	680	<5
BRANC-21	B40/SLR	07/27/04	E	11:37	17.3	19.7	7.5	7.8	970	5
BRANC-21	B40/SLR	08/07/04	B	10:45	22.0	20.1	7.0	8.6	740	<5
BRANC-21	B40/SLR	08/10/04	C	10:00	16.2	18.4	7.5	9.6	720	<5
BRANC-21	B40/SLR	08/24/04	E	10:06	18.5	19.8	7.5	7.0	960	<5
BRANC-21	B40/SLR	09/07/04	E	14:41	Water too high				550	<5
BRANC-21	B40/SLR	09/21/04	C	9:45	Water too high				550	5
BRANC-21	B40/SLR	10/06/04	C	10:00	15.3	14.7	7.5	7.2	610	<5
BRANC-21	B40/SLR	10/30/04	B	10:01	12.0	10.9	7.0	7.3	810	<5
BRANC-21	B40/SLR	11/08/04	C	9:52	14.0	11.6	7.0	9.4	1190	<5
BRANC-23	Market St.	05/18/04	C	12:11	18.7	14.8	7.0	8.2	540	<5
BRANC-23	Market St.	05/29/04	D	10:58	16.3	14.4	7.5	7.6	480	<5
BRANC-23	Market St.	06/01/04	E	11:01	15.8	15.2	7.5	7.6	560	<5
BRANC-23	Market St.	06/12/04	B	9:45	14.7	14.5	7.0	7.0	610	<5
BRANC-23	Market St.	06/15/04	C	11:05	18.9	15.8	7.5	7.6	560	<10
BRANC-23	Market St.	06/29/04	D	12:32	19.5	16.9	7.5	7.8	600	5
BRANC-23	Market St.	07/10/04	B	10:15	15.2	15.5	7.0	7.6	590	<5
BRANC-23	Market St.	07/13/04	C	10:47	17.5	15.9	7.0	7.4	590	5
BRANC-23	Market St.	07/27/04	E	10:22	15.4	17.0	7.5	6.6	640	5
BRANC-23	Market St.	08/07/04	B	9:45	19.2	17.1	7.0	6.2	620	
BRANC-23	Market St.	08/10/04	C	11:00	17.5	16.9	7.0	7.4	610	<5
BRANC-23	Market St.	08/24/04	E	11:01	19.4	17.5	7.5	6.2	620	<5
BRANC-23	Market St.	09/07/04	E	3:26			7.5	5.4	530	<5
BRANC-23	Market St.	09/21/04	C	10:38	17.6	12.9	7.5	8.0	610	<5
BRANC-23	Market St.	10/06/04	C	11:27	15.3	13.4	7.5	8.2	610	<5
BRANC-23	Market St.	10/30/04	B	9:35	9.0	10.6	7.0	8.2	630	<5
BRANC-23	Market St.	11/08/04	C	11:00	12.9	11.0	7.0	8.8	630	<5
CARBO-21	Carbo/B40	05/18/04	C	11:36	17.4	14.8	7.5	8.0	430	<5
CARBO-21	Carbo/B40	05/29/04	D	11:26	18.5	15.2	7.5	7.6	400	<5
CARBO-21	Carbo/B40	06/01/04	E	10:37	16.2	16.1	7.0	9.4	470	<5
CARBO-21	Carbo/B40	06/12/04	B	10:16	15.6	14.9	7.0	7.4	440	<5
CARBO-21	Carbo/B40	06/15/04	C	10:41	19.3	15.6	7.5	7.8	460	10
CARBO-21	Carbo/B40	06/29/04	D	13:09	19.9	17.1	7.0	8.0	450	5
CARBO-21	Carbo/B40	07/10/04	B	9:45	15.7	15.2	7.0	5.2	450	<5
CARBO-21	Carbo/B40	07/13/04	C	10:29	16.8	15.7	7.0	7.6	460	<5

Station ID	Description	Date	Group	Time	Air Temp (°C)	Water Temp (°C)	pH	DO (mg/l)	Conductivity (µS)	Turbidity (JTU)
CARBO-21	Carbo/B40	07/27/04	E	10:57	15.4	16.8	7.5	7.0	470	<5
CARBO-21	Carbo/B40	08/07/04	B	10:10	20.9	19.6	7.0	7.0	460	<5
CARBO-21	Carbo/B40	08/10/04	C	10:40	17.8	17.5	7.0	7.6	450	<5
CARBO-21	Carbo/B40	08/24/04	E	10:42	18.9	17.1	7.0	7.0	450	<5
CARBO-21	Carbo/B40	09/07/04	E	15:07			7.5	6.0	450	<5
CARBO-21	Carbo/B40	09/21/04	C	10:11	17.1	12.8	7.5	9.0	470	<5
CARBO-21	Carbo/B40	10/06/04	C	10:57	15.1	13.2	7.0	8.0	460	<5
CARBO-21	Carbo/B40	10/30/04	B	9:07	9.0	10.5	7.0	7.8	600	<5
CARBO-21	Carbo/B40	11/08/04	C	10:35	13.0	11.1	7.0	9.2	540	<5
GRANI-21	Granite Ck	05/15/04	A	17:02	14.9	12.7	7.0	9.0	500	5
GRANI-21	Granite Ck	05/29/04		14:20						
GRANI-21	Granite Ck	06/12/04	A	11:03	15.5	13.6	7.5	9.2	500	0
GRANI-21	Granite Ck	06/25/04	D	9:00	18.9	15.5	7.0		510	<5
GRANI-21	Granite Ck	07/10/04	A	15:30	15.7	14.3	7.0	8.2	500	5
GRANI-21	Granite Ck	07/24/04	D	9:33	16.6	16.6	7.5	7.2	520	<5
GRANI-21	Granite Ck	08/07/04	A	10:35	20.2	16.4	7.5	7.0	510	0
GRANI-21	Granite Ck	08/21/04	D	15:23	18.0	15.9	7.0	5.8	640	<5
GRANI-21	Granite Ck	09/11/04	KH,BN	9:35	Creek dry					
GRANI-21	Granite Ck	09/18/04	D	10:20	Creek dry					
GRANI-21	Granite Ck	10/16/04	D	10:45	Creek dry					
GRANI-21	Granite Ck	10/30/04	A	9:43	8.9	10.4	7.5	9.8	580	5
GRANI-21	Granite Ck	11/13/04	D	11:00	13.8	11.8	7.0	9.0	510	10
BRANC-24	Happy Valley	05/15/04	A	9:13	14.4	13.4	7.5	9.0	610	5
BRANC-24	Happy Valley	05/21/04	HV	9:35	14.7	13.3	7.5	8.4	610	5
BRANC-24	Happy Valley	05/28/04	HV	8:40	14.7	15.4	7.5	9.4		10
BRANC-24	Happy Valley	06/12/04	A	10:00	15.6	14.2	7.5	7.2	640	5
BRANC-24	Happy Valley	06/28/04	HV	16:35	23.0	16.8	7.5			10
BRANC-24	Happy Valley	07/09/04	HV	12:40	16.8	15.3	7.5	8.6	640	5
BRANC-24	Happy Valley	07/17/04	HV	10:35	23.3	16.8	7.5	7.4	660	5
BRANC-24	Happy Valley	07/23/04	HV	14:00	22.9	17.8	7.5	6.1	660	10
BRANC-24	Happy Valley	08/06/04	HV	11:00	21.9	16.0	7.5	8.2	670	10
BRANC-24	Happy Valley	08/24/04	HV	19:00	21.0	18.5	7.5	5.0	650	<5
BRANC-24	Happy Valley	09/11/04	KH,BN	10:35	17.0	15.0	7.5	7.8	700	<5
BRANC-24	Happy Valley	09/17/04	HV	8:45	13.1	14.3	7.5	7.5	700	5
BRANC-24	Happy Valley	09/24/04	HV	8:55	9.7	12.8	7.5	7.7	700	5
BRANC-24	Happy Valley	10/01/04	HV	8:50	14.1	13.1	7.5	7.9	690	5
BRANC-24	Happy Valley	10/08/04	HV	9:40	14.2	13.3	8.0	8.9	690	5
BRANC-24	Happy Valley	10/15/04	HV	8:50	9.8	12.7	7.5		710	5
BRANC-24	Happy Valley	10/22/04	HV	8:40	8.3	11.2	7.5	7.7	640	5
BRANC-24	Happy Valley	11/5/04	HV	8:50	8.7	9.4	7.5	8.6	680	<5
BRANC-22	Forty Thieves	05/15/04	A	10:37	15.4	13.7	7.5	8.0	640	5
BRANC-22	Forty Thieves	05/29/04	D	11:55	17.5	15.0	7.5	7.8	550	<5
BRANC-22	Forty Thieves	06/12/04	A	11:27	16.1	14.7	7.0	8.6	670	5

Station ID	Description	Date	Group	Time	Air Temp (°C)	Water Temp (°C)	pH	DO (mg/l)	Conductivity (µS)	Turbidity (JTU)
BRANC-22	Forty Thieves	06/25/04	D	10:45	18.1	15.9	7.0		670	<5
BRANC-22	Forty Thieves	07/10/04	A	11:00	16.5	14.9	7.5	8.4	680	5
BRANC-22	Forty Thieves	07/24/04	D	10:04	17.5	17.0	7.5	7.6	710	<5
BRANC-22	Forty Thieves	08/07/04	A	10:54	18.4	16.3	7.5	7.2	700	5
BRANC-22	Forty Thieves	08/21/04	D	10:50	17.1	16.8	7.5	7.8	720	<5
BRANC-22	Forty Thieves	09/11/04	KH,BN	11:15	16.3	14.8	7.5	7.6	730	<5
BRANC-22	Forty Thieves	09/18/04	D	9:30			7.0	7.4	750	<5
BRANC-22	Forty Thieves	10/16/04	D	9:30	14.0	13.4	7.0	7.8	720	<5
BRANC-22	Forty Thieves	10/30/04	A	10:09	9.4	9.9	7.5	9.2	690	<5
BRANC-22	Forty Thieves	11/13/04	D	9:35	12.0	11.6	7.0	8.0	550	
BRANC-25	4055 B40	06/25/04	D	9:50	18.4	15.5	7.5		660	<10
BRANC-25	4055 B40	07/10/04	A	10:03	15.8	15.0	7.5	8.6	650	5
BRANC-25	4055 B40	07/24/04	D	9:11	16.5	16.8	7.5	8.0	650	<5
BRANC-25	4055 B40	08/07/04	A	9:59	21.6	16.3	7.5	8.0	670	5
BRANC-25	4055 B40	08/21/04	D	10:00	16.9	16.5	7.5	8.6	660	<5
BRANC-25	4055 B40	09/11/04	KH,BN	9:45	16.0	14.5	7.5	8.8	680	<5
BRANC-25	4055 B40	09/18/04	D	10:00			7.5	9.0	690	<5
BRANC-25	4055 B40	10/16/04	D	10:15	13.6	13.6	7.5	8.8	690	<5
BRANC-25	4055 B40	10/30/04	A	9:08	7.3	10.2	7.5	9.8	670	<5
BRANC-25	4055 B40	11/13/04	D	11:15	14.3	12.1	7.5	8.8	630	<10

Bold numbers indicate exceedences of the Water Quality Objectives set forth by CCAMP.

Corralitos Creek – Result Data

Site ID	Site description	Team	Date	Time	Rain in last 24 hrs?	AIR_TEMP	H2O_TEMP	PH	D.O.	COND_US	TURBIDITY
SALSI-21	E. Lake Ave. Bridge		03/09/04	8:30 AM	no	15.0	14.0	7.5	7.0	460	15
SALSI-21	E. Lake Ave. Bridge	A	04/18/04	9:20 AM	no	11.0	15.0	8.0	7.6	540	15
SALSI-21	E. Lake Ave. Bridge	A	05/08/04	8:45 AM	no	16.0	15.5	7.5	3.0	730	30
SALSI-21	E. Lake Ave. Bridge	B	05/22/04	10:00 AM	no	16.0	18.0	7.5	5.2	840	200
SALSI-21	E. Lake Ave. Bridge	A	06/06/04	9:10 AM	no	17.5	20.0	7.5	4.2	820	45
SALSI-21	E. Lake Ave. Bridge	B	06/21/04	9:58 AM	no	14.5	20.0	7.5	4.6	830	80
SALSI-21	E. Lake Ave. Bridge	A	06/25/04	7:00 PM	no	24.0	20.5	7.5	4.4	840	30
SALSI-21	E. Lake Ave. Bridge	C	07/01/04	2:10 PM	no	17.0	18.0	7.0	2.4	850	20
SALSI-21	E. Lake Ave. Bridge	B	07/18/04	10:30 AM	no	19.0	12.8	7.0	3.0	830	35
SALSI-21	E. Lake Ave. Bridge	C	07/21/04	10:00 AM	no	19.5	20.0	7.0	3.2	890	40
SALSI-21	E. Lake Ave. Bridge	A	07/28/04	6:18 PM	no	16.5	19.5	7.5	4.4	860	50
SALSI-21	E. Lake Ave. Bridge	C	08/11/04	9:10 AM	no	15.0	19.5	7.0	3.0	830	50
SALSI-21	E. Lake Ave. Bridge	B	08/14/04	11:04 AM	no	15.5	18.0	7.5	4.7	860	50
SALSI-21	E. Lake Ave. Bridge	A	08/26/04	7:00 PM	no	21.0	22.0	7.5	7.6	850	20
SALSI-21	E. Lake Ave. Bridge	Training	08/28/04	9:35 AM	no	20.0	18.0	7.0	3.6	920	35
SALSI-21	E. Lake Ave. Bridge	C	09/01/04	8:17 AM	no	15.5	18.0	7.0	3.8	880	70
SALSI-21	E. Lake Ave. Bridge	B	09/11/04	12:15 PM	no	19.5	18.0	7.5	4.4	840	40
SALSI-21	E. Lake Ave. Bridge	C	09/15/04	8:15 AM	no	14.5	17.0	7.0	5.0	840	50
SALSI-21	E. Lake Ave. Bridge	A	09/25/04	9:10 AM	no	13.0	15.0	7.5	7.2	850	35
SALSI-21	E. Lake Ave. Bridge	C	09/29/04	8:12 AM	no	14.0	16.0	7.0	5.2	850	40
SALSI-21	E. Lake Ave. Bridge	B	10/09/04	11:40 AM	no	18.5	16.5	7.5	5.8	840	150
SALSI-21	E. Lake Ave. Bridge	C	10/13/04	8:20 AM	no	11.5	14.0	7.0	6.4	850	80
SALSI-21	E. Lake Ave. Bridge	A	10/23/04	9:25 AM	yes	12.0	14.0	7.0	5.4	870	45
SALSI-21	E. Lake Ave. Bridge	C	10/27/04	8:25 AM	yes	7.5	11.0	7.0	6.4	560	250
SALSI-21	E. Lake Ave. Bridge	B	11/06/04	9:25 AM	no	11.5	10.0	7.0	4.2	890	40
SALSI-21	E. Lake Ave. Bridge	A	11/20/04	9:45 AM	no	13.0	9.5	7.5	4.8	590	10

Site ID	Site description	Team	Date	Time	Rain in last 24 hrs?	AIR_TEMP	H2O_TEMP	PH	D.O.	COND_US	TURBIDITY
CORRA-23	Pista Lane		03/09/04	9:30 AM	no	17.0	12.5	7.5	8.4	470	5
CORRA-23	Pista Lane	A	04/18/04	10:05 AM	no	11.5	10.0	7.5	8.8	590	5
CORRA-23	Pista Lane	A	05/08/04	9:30 AM	no	15.0	14.3	7.5	8.0	820	5
CORRA-23	Pista Lane	B	05/22/04	11:15 AM	no	15.5	14.5	7.0	9.2	820	5
CORRA-23	Pista Lane	A	06/06/04	9:58 AM	no	18.0	15.0	8.0	7.6	790	0
CORRA-23	Pista Lane	B	06/21/04	11:03 AM	no	16.5	16.0	7.0	9.0	760	0
CORRA-23	Pista Lane	A	06/25/04	6:25 PM	no	23.0	20.0	7.5	8.0	770	0
CORRA-23	Pista Lane	C	07/01/04	1:25 PM	no	18.0	16.0	7.5	8.8	760	0
CORRA-23	Pista Lane	B	07/18/04	12:11 PM	no	22.5	17.0	7.5	8.0	760	0
CORRA-23	Pista Lane	C	07/21/04	11:57 AM	no	21.5	18.5	7.5	8.0	750	0
CORRA-23	Pista Lane	A	07/28/04	6:11 PM	no	17.0	17.5	7.5	9.6	810	5
CORRA-23	Pista Lane	C	08/11/04	10:40 AM	no	17.0	17.0	7.5	7.8	770	0
CORRA-23	Pista Lane	B	08/14/04	11:55 AM	no	16.5	16.5	7.5	8.0	790	0
CORRA-23	Pista Lane	A	08/26/04	6:20 PM	no	21.5	19.0	7.5	7.4	770	5
CORRA-23	Pista Lane	Training	08/28/04	11:58 AM	no	19.0	18.0	7.5	7.8	740	0
CORRA-23	Pista Lane	C	09/01/04	9:15 AM	no	16.0	15.0	7.0	7.6	780	0
CORRA-23	Pista Lane	B	09/11/04	11:30 AM	no	18.5	16.0	7.5	8.4	760	0
CORRA-23	Pista Lane	C	09/15/04	9:36 AM	no	15.0	14.5	7.0	7.0	760	0
CORRA-23	Pista Lane	A	09/25/04	10:06 AM	no	13.5	14.0	7.0	7.8	770	0
CORRA-23	Pista Lane	C	09/29/04	8:58 AM	no	14.0	14.5	7.0	7.4	760	0
CORRA-23	Pista Lane	B	10/09/04	12:55 PM	no	19.5	15.0	7.5	8.6	780	5
CORRA-23	Pista Lane	C	10/13/04	9:12 AM	no	12.0	12.0	7.0	7.2	760	0
CORRA-23	Pista Lane	A	10/23/04	10:30 AM	yes	14.0	13.0	7.5	8.4	780	0
CORRA-23	Pista Lane	C	10/27/04	9:10 AM	yes	7.5	10.0	7.0	9.6	540	20
CORRA-23	Pista Lane	B	11/06/04	10:18 AM	no	11.5	10.0	7.0	9.4	760	0
CORRA-23	Pista Lane	A	11/20/04	10:35 AM	no	12.0	9.5	7.5	9.0	820	0
CORRA-24	E. Canyon Road		03/09/04	10:40 AM	no	18.5	12.5	7.5	8.0	480	0

Site ID	Site description	Team	Date	Time	Rain in last 24 hrs?	AIR_TEMP	H2O_TEMP	PH	D.O.	COND_US	TURBIDITY
CORRA-24	E. Canyon Road	A	04/18/04	11:25 AM	no	11.5	10.0	7.5	9.6	560	0
CORRA-24	E. Canyon Road	A	05/08/04	11:22 AM	no	17.5	13.2	7.5	8.8	580	0
CORRA-24	E. Canyon Road	B	05/22/04	12:27 PM	no	15.0	13.0	7.5	9.4	570	0
CORRA-24	E. Canyon Road	A	06/06/04	11:07 AM	no	20.5	15.0	7.5	8.4	580	0
CORRA-24	E. Canyon Road	B	06/21/04	12:25 PM	no	17.0	15.0	7.5	9.2	590	0
CORRA-24	E. Canyon Road	A	06/25/04	4:35 PM	no	24.0	17.0	8.0	7.4	550	0
CORRA-24	E. Canyon Road	C	07/01/04	10:10 AM	no	13.5	14.5	7.5	8.6	590	0
CORRA-24	E. Canyon Road	B	07/18/04	1:25 PM	no	21.5	17.0	7.5	8.2	600	0
CORRA-24	E. Canyon Road		07/21/04		no	ran out of time					
CORRA-24	E. Canyon Road	A	07/28/04	6:45 PM	no	17.5	16.0	8.0	7.8	610	0
CORRA-24	E. Canyon Road	C	08/11/04	12:25 PM	no	22.5	16.5	7.5	8.4	590	0
CORRA-24	E. Canyon Road	B	08/14/04	9:55 AM	no	15.0	15.0	7.0	8.8	610	0
CORRA-24	E. Canyon Road	A	08/26/04	4:45 PM	no	21.5	17.5	7.5	8.2	600	0
CORRA-24	E. Canyon Road	Training	08/28/04	1:27 PM	no	22.5	17.0	7.5	8.8	580	0
CORRA-24	E. Canyon Road	C	09/01/04	10:51 AM	no	21.5	15.0	7.5	8.2	610	0
CORRA-24	E. Canyon Road	B	09/11/04	10:40 AM	no	18.0	14.5	7.5	9.2	610	0
CORRA-24	E. Canyon Road	C	09/15/04	10:58 AM	no	23.5	14.5	7.5	9.2	600	0
CORRA-24	E. Canyon Road	A	09/25/04	11:20 AM	no	18.0	13.5	7.5	9.8	610	0
CORRA-24	E. Canyon Road	C	09/29/04	10:25 AM	no	13.5	13.0	7.5	10.0	610	0
CORRA-24	E. Canyon Road	B	10/09/04	11:15 AM	no	16.0	14.5	7.5	9.4	610	0
CORRA-24	E. Canyon Road	C	10/13/04	10:40 AM	no	14.5	13.0	7.5	9.6	610	0
CORRA-24	E. Canyon Road	A	10/23/04	12:05 PM	yes	13.0	12.0	8.0	9.2	570	0
CORRA-24	E. Canyon Road	C	10/27/04	10:40 AM	yes	10.5	10.0	7.5	10.0	560	0
CORRA-24	E. Canyon Road	B	11/06/04	11:30 AM	no	13.5	10.0	7.0	10.2	570	0
CORRA-24	E. Canyon Road	A	11/20/04	11:02 AM	no	10.5	10.0	7.5	10.4	620	0
BROWN-21	Browns Valley Road		03/09/04	10:12 AM	no	12.0	12.0	7.5	8.4	410	0
BROWN-21	Browns Valley Road	A	04/18/04	10:50 AM	no	10.0	9.0	7.5	9.2	530	0

Site ID	Site description	Team	Date	Time	Rain in last 24 hrs?	AIR_TEMP	H2O_TEMP	PH	D.O.	COND_US	TURBIDITY
BROWN-21	Browns Valley Road	A	05/08/04	10:37 AM	no	15.5	12.4	7.5	8.8	600	0
BROWN-21	Browns Valley Road	B	05/22/04	11:55 AM	no	14.5	12.5	7.5	9.2	610	0
BROWN-21	Browns Valley Road	A	06/06/04	10:35 AM	no	17.0	14.0	7.5	8.0	650	0
BROWN-21	Browns Valley Road	B	06/21/04	11:46 AM	no	16.5	14.0	7.5	9.2	640	0
BROWN-21	Browns Valley Road	A	06/25/04	5:35 PM	no	20.5	17.0	8.0	7.8	660	0
BROWN-21	Browns Valley Road	C	07/01/04	12:07 PM	no	14.5	14.0	8.0	9.2	680	0
BROWN-21	Browns Valley Road	B	07/18/04	12:39 PM	no	21.5	15.5	7.5	8.0	720	0
BROWN-21	Browns Valley Road	C	07/21/04	12:55 PM	no	23.0	16.0	7.5	8.6	720	0
BROWN-21	Browns Valley Road	A	07/28/04	5:40 PM	no	16.5	17.0	8.0		720	0
BROWN-21	Browns Valley Road	C	08/11/04	11:40 AM	no	19.0	15.0	7.5	8.2	700	0
BROWN-21	Browns Valley Road	B	08/14/04	12:42 PM	no	16.5	15.5	7.5	8.9	740	0
BROWN-21	Browns Valley Road	A	08/26/04	5:40 PM	no	21.0	18.0	7.5	8.4	740	0
BROWN-21	Browns Valley Road	Training	08/28/04	12:46 PM	no	23.5	15.5	7.5	8.4	730	0
BROWN-21	Browns Valley Road	C	09/01/04	10:00 AM	no	14.5	15.0	7.5	8.4	760	0
BROWN-21	Browns Valley Road	B	09/11/04	9:45 AM	no	13.5	13.5	7.5	8.4	790	0
BROWN-21	Browns Valley Road	C	09/15/04	10:20 AM	no	15.0	13.5	7.5	8.6	780	0
BROWN-21	Browns Valley Road	A	09/25/04	10:52 AM	no	13.0	12.5	7.5	9.2	760	0
BROWN-21	Browns Valley Road	C	09/29/04	9:55 AM	no	12.0	13.0	7.5	8.8	770	0
BROWN-21	Browns Valley Road	B	10/09/04	9:45 AM	no	14.0	13.5	7.5	7.6	790	0
BROWN-21	Browns Valley Road	C	10/13/04	10:07 AM	no	12.0	12.0	7.0	9.2	770	0
BROWN-21	Browns Valley Road	A	10/23/04	11:35 AM	yes	13.0	13.0	8.0	9.8	670	0
BROWN-21	Browns Valley Road	C	10/27/04	10:00 AM	yes	7.0	10.0	7.0	10.0	580	10
BROWN-21	Browns Valley Road	B	11/06/04	10:53 AM	no	9.5	9.0	7.5	10.0	650	0
BROWN-21	Browns Valley Road	A	11/20/04	11:33 AM	no	9.0	9.0	7.0	10.4	690	0

Bold numbers indicate exceedences of the Water Quality Objectives set forth by CCAMP.

Gazos Creek – Result Data

Site ID	Site description	Date	Time	Rain in last 24 hrs?	Replicate	AIR T EMP	H2O_TEMP	PH	D.O.	COND_US	TURBIDITY
202-BEARG-11	Bear Gulch	5/15/2004	12:00 PM	NO	NO	15.6	12.9	7	9.4	190	5
202-BEARG-11	Bear Gulch	5/26/2004	11:32 AM	NO	NO	19	13	7	9.2	190	5
202-BEARG-11	Bear Gulch	6/5/2004	11:31 AM	NO	NO	20	13.5	7	8.8	200	5
202-BEARG-11	Bear Gulch	6/11/2004	8:05 AM	NO	NO	12.1	12.6	7.5	8.8	200	5
202-BEARG-11	Bear Gulch	6/23/2004	11:20 AM	NO	NO	18	14	7	9	190	5
202-BEARG-11	Bear Gulch	6/26/2004	11:15 AM	NO	NO	19.5	14.5	7.5	9.2	190	5
202-BEARG-11	Bear Gulch	7/6/2004	10:20 AM	NO	NO	16.5	13.5	7	9.2	200	5
202-BEARG-11	Bear Gulch	7/10/2004	12:00 AM	NO	YES	19.2	14.2	7.5	10	200	5
202-BEARG-11	Bear Gulch	7/10/2004	12:00 AM	NO	NO	19.2	14.2	7.5	10	200	5
202-BEARG-11	Bear Gulch	7/17/2004	9:55 AM	NO	NO	18	14	7	9.6	200	5
202-BEARG-11	Bear Gulch	7/20/2004	10:40 AM	NO	NO	17	15	7		200	5
202-BEARG-11	Bear Gulch	7/27/2004	12:30 PM	NO	NO	18.5	16.5	7	8.6	200	5
202-BEARG-11	Bear Gulch	8/13/2004	5:30 PM	NO	YES	18	14.9	7.5	9.4	200	5
202-BEARG-11	Bear Gulch	8/13/2004	5:30 PM	NO	NO	18	15	7.5	9.4	200	5
202-BEARG-11	Bear Gulch	8/22/2004	11:43 AM	NO	NO	18	15	7.5	8.6	200	5
202-BEARG-11	Bear Gulch	8/28/2004	10:25 AM	NO	NO	18.5	14	7.5	9.2	200	5
202-BEARG-11	Bear Gulch	9/4/2004	10:15 AM	NO	YES	16	13	7.5	9	210	5
202-BEARG-11	Bear Gulch	9/4/2004	10:15 AM	NO	NO	15.5	13	7.5	9	210	5
202-BEARG-11	Bear Gulch	9/11/2004	3:30 PM	NO	NO	21.5	14.1	7.5	9.2	200	5
202-BEARG-11	Bear Gulch	9/15/2004	10:45 AM	NO	YES	19.5	13.5	7	9	200	5
202-BEARG-11	Bear Gulch	9/15/2004	10:45 AM	NO	NO	19	13.5	7	9	200	5
202-BEARG-11	Bear Gulch	9/22/2004	10:40 AM	NO	NO	15	11	7	10	200	5
202-BEARG-11	Bear Gulch	10/7/2004	11:20 AM	NO	NO	17.5	12.5	7	9	210	5
202-BEARG-11	Bear Gulch	10/19/2004	3:45 PM	YES	NO	13	14	7.5	9.4	180	15
202-BEARG-11	Bear Gulch	10/25/2004	10:25 AM	NO	NO	14	14	7	10.6	230	5

Site ID	Site description	Date	Time	Rain in last 24 hrs?	Replicate	AIR_T EMP	H2O_ TEMP	PH	D.O.	COND _US	TURB- IDITY
202-BEARG-11	Bear Gulch	10/28/2004	11:00 AM	NO	NO	8	10	7	11	240	5
202-BEARG-11	Bear Gulch	11/9/2004	12:05 PM	YES	NO	13	11	7.5	10.2	240	5
202-BEARG-11	Bear Gulch	11/13/2004	11:20 AM	NO	YES	13	12.5	7	10.4	230	5
202-BEARG-11	Bear Gulch	11/13/2004	11:20 AM	NO	NO	13	12.5	7	10.6	230	5
202-BEARG-11	Bear Gulch	11/16/2004	11:25 AM	NO	NO	11	10.5	7	10	250	5
202-GAZOS-14	Diversions	5/15/2004	11:00 AM	NO	NO	14.1	13.3	7	9.2	360	5
202-GAZOS-14	Diversions	5/26/2004	9:45 AM	NO	NO	15	12.5	7	8.4	360	5
202-GAZOS-14	Diversions	6/5/2004	10:15 AM	NO	YES	17	13.5	7	8.4	370	5
202-GAZOS-14	Diversions	6/5/2004	10:15 AM	NO	NO	17	13.5	7	8.6	360	5
202-GAZOS-14	Diversions	6/11/2004	8:50 AM	NO	NO	14.1	13.5	7.5	8	370	5
202-GAZOS-14	Diversions	6/23/2004	9:45 AM	NO	NO	14.5	13.5	7	8.4	380	5
202-GAZOS-14	Diversions	6/26/2004	9:50 AM	NO	YES	13	14	7.5	8.6	370	5
202-GAZOS-14	Diversions	6/26/2004	9:50 AM	NO	NO	13	13.5	7.5	9	370	5
202-GAZOS-14	Diversions	7/6/2004	8:35 AM	NO	YES	13	13	7	8.8	380	5
202-GAZOS-14	Diversions	7/6/2004	8:35 AM	NO	NO	13	13.5	7	9	380	5
202-GAZOS-14	Diversions	7/10/2004	1:00 PM	NO	NO	17.2	15.7	7	8	360	5
202-GAZOS-14	Diversions	7/17/2004	9:00 AM	NO	NO	19.5	14.5	7	9.4	380	5
202-GAZOS-14	Diversions	7/20/2004	9:30 AM	NO	NO	16.5	16	7.5		380	5
202-GAZOS-14	Diversions	7/27/2004	11:00 AM	NO	YES	15.5	15.5	7	8.2	380	5
202-GAZOS-14	Diversions	7/27/2004	11:00 AM	NO	NO	15.5	15	7	8	380	5
202-GAZOS-14	Diversions	8/13/2004	6:04 PM	NO	NO	16.3	16.3	7.5	9.2	370	5
202-GAZOS-14	Diversions	8/22/2004	9:45 AM	NO	YES	17.5	14.5	7.5	7.8	380	5
202-GAZOS-14	Diversions	8/22/2004	9:45 AM	NO	NO	17.5	14.5	7.5	8	380	5
202-GAZOS-14	Diversions	8/25/2004	2:30 PM	NO	YES	21.5	17.5	7.5	8.2	380	5
202-GAZOS-14	Diversions	8/25/2004	2:30 PM	NO	NO	21.5	17	7.5	8.2	380	5
202-GAZOS-14	Diversions	8/28/2004	9:35 AM	NO	YES	16.5	13.5	7	9	380	5
202-GAZOS-14	Diversions	8/28/2004	9:35 AM	NO	NO	16	13.5	7	9	380	5

Site ID	Site description	Date	Time	Rain in last 24 hrs?	Replicate	AIR_T EMP	H2O_ TEMP	PH	D.O.	COND _US	TURB- IDITY
202-GAZOS-14	Diversions	9/4/2004	11:35 AM	NO	NO	23.5	13.5	7.5	8.8	380	5
202-GAZOS-14	Diversions	9/11/2004	5:00 PM	NO	NO	16.5	15.5	7.5	8.8	390	5
202-GAZOS-14	Diversions	9/15/2004	9:30 AM	NO	NO	16	14	7	8.2	390	5
202-GAZOS-14	Diversions	9/22/2004	9:50 AM	NO	YES	14.5	10	7.5	8.6	380	5
202-GAZOS-14	Diversions	9/22/2004	9:50 AM	NO	NO	14	10	7.5	8.8	380	5
202-GAZOS-14	Diversions	10/7/2004	11:00 AM	NO	YES	19	14	7	8.4	390	5
202-GAZOS-14	Diversions	10/7/2004	11:00 AM	NO	NO	18.5	14	7	8.4	390	5
202-GAZOS-14	Diversions	10/19/2004	2:55 PM	YES	NO	15.5	13	7.5	8.2	380	70
202-GAZOS-14	Diversions	10/25/2004	1:00 PM	NO	YES	14	13	7	9.4	410	5
202-GAZOS-14	Diversions	10/25/2004	1:00 PM	NO	NO	14	13	7	9.6	400	5
202-GAZOS-14	Diversions	10/28/2004	9:30 AM	NO	YES	9	8.5	7	8	420	5
202-GAZOS-14	Diversions	10/28/2004	9:30 AM	NO	NO	8	8.5	7	8.2	420	5
202-GAZOS-14	Diversions	11/9/2004	10:55 AM	YES	YES	14	10	7	9.6	420	5
202-GAZOS-14	Diversions	11/9/2004	10:55 AM	YES	NO	14	10	7	9.8	420	5
202-GAZOS-14	Diversions	11/13/2004	12:20 PM	NO	NO	16	12	7	10.2	410	5
202-GAZOS-14	Diversions	11/16/2004	10:00 AM	NO	YES	12	10	7.5	9.6	420	5
202-GAZOS-14	Diversions	11/16/2004	10:00 AM	NO	NO	11.5	10	7.5	9.6	420	5
202-GAZOS-15	Old Womans Creek	5/1/2004	12:15 PM	NO	NO	19.5	12	6.5	10	300	
202-GAZOS-15	Old Womans Creek	5/15/2004	11:30 AM	NO	NO	14.5	13.4	7	8.6	340	5
202-GAZOS-15	Old Womans Creek	5/26/2004	10:51 AM	NO	NO	15.5	13	7	8.2	340	5
202-GAZOS-15	Old Womans Creek	6/5/2004	10:56 AM	NO	NO	18	14	7	8.8	350	5
202-GAZOS-15	Old Womans Creek	6/11/2004	8:35 AM	NO	YES	14.1	13.8	7	8	360	5
202-GAZOS-15	Old Womans Creek	6/11/2004	8:35 AM	NO	NO	14.1	13.8	7	8	360	5
202-GAZOS-15	Old Womans Creek	6/23/2004	10:36 AM	NO	YES				7.8		
202-GAZOS-15	Old Womans Creek	6/23/2004	10:36 AM	NO	NO	16.5	14	7	8.6	360	5
202-GAZOS-15	Old Womans Creek	6/26/2004	10:40 AM	NO	NO	17	14.5	7.5	8.6	350	5
202-GAZOS-15	Old Womans Creek	7/6/2004	9:30 AM	NO	NO	13.5	14	7	9	360	5

Site ID	Site description	Date	Time	Rain in last 24 hrs?	Replicate	AIR_T EMP	H2O_ TEMP	PH	D.O.	COND _US	TURB- IDITY
202- GAZOS-15	Old Womans Creek	7/10/2 004	12:40 PM	NO	NO	17.6	15.3	7	8.6	350	5
202- GAZOS-15	Old Womans Creek	7/17/2 004	9:30 AM	NO	YES	19.5	15	7	9	360	5
202- GAZOS-15	Old Womans Creek	7/17/2 004	9:30 AM	NO	NO	19.5	15	7	9	360	5
202- GAZOS-15	Old Womans Creek	7/20/2 004	10:10 AM	NO	YES	16	16	7.5		360	5
202- GAZOS-15	Old Womans Creek	7/20/2 004	10:10 AM	NO	NO	16	16	7.5		360	5
202- GAZOS-15	Old Womans Creek	7/27/2 004	11:45 AM	NO	NO	16.5	16	7	8.6	360	10
202- GAZOS-15	Old Womans Creek	8/13/2 004	5:50 PM	NO	NO	18	16.4	7.5	8.2	370	5
202- GAZOS-15	Old Womans Creek	8/22/2 004	11:15 AM	NO	NO	18	15.5	7.5	8.4	370	5
202- GAZOS-15	Old Womans Creek	8/28/2 004	9:55 AM	NO	NO	17	14	7.5	8.8	370	5
202- GAZOS-15	Old Womans Creek	9/4/20 04	10:45 AM	NO	NO	26	14	7.5	8.8	370	5
202- GAZOS-15	Old Womans Creek	9/11/2 004	4:35 PM	NO	NO	20.6	14.9	7.5	8.8	370	5
202- GAZOS-15	Old Womans Creek	9/15/2 004	10:00 AM	NO	NO	17	14	7	8.2	380	5
202- GAZOS-15	Old Womans Creek	9/22/2 004	10:15 AM	NO	NO	14	11	7	9.2	380	5
202- GAZOS-15	Old Womans Creek	10/7/2 004	11:50 AM	NO	NO	17.5	13.5	7	8.6	380	5
202- GAZOS-15	Old Womans Creek	10/19/ 2004	3:20 PM	YES	YES	15	12.5	7.5	8.8	380	30
202- GAZOS-15	Old Womans Creek	10/19/ 2004	3:20 PM	YES	NO	15	13	7.5	8.8	380	30
202- GAZOS-15	Old Womans Creek	10/25/ 2004	1:15 PM	NO	NO	15	14	7	9.4	380	5
202- GAZOS-15	Old Womans Creek	10/28/ 2004	10:15 AM	NO	NO	9	9	7.5	11	380	5
202- GAZOS-15	Old Womans Creek	11/9/2 004	11:35 AM	YES	NO	13.5	10	7	9.8	400	5
202- GAZOS-15	Old Womans Creek	11/13/ 2004	12:00 PM	NO	NO	15	12	7	9.1	380	5
202- GAZOS-15	Old Womans Creek	11/16/ 2004	10:30 AM	NO	NO	12.5	10	7.5	9.8	400	5
202- GAZOS-16	Mainstem	5/15/2 004	12:15 PM	NO	YES	15.9	13.5	7.5	9.8	360	5
202- GAZOS-16	Mainstem	5/15/2 004	12:15 PM	NO	NO	16	13.5	7.5	10	360	5
202- GAZOS-16	Mainstem	5/26/2 004	12:10 PM	NO	YES	17.5	13	7	9	370	5
202- GAZOS-16	Mainstem	5/26/2 004	12:10 PM	NO	NO	18	13	7	9.2	360	5
202- GAZOS-16	Mainstem	6/5/20 04	11:52 AM	NO	NO	20.5	13.5	7.5	8.8	370	5
202- GAZOS-16	Mainstem	6/11/2 004	8:20 AM	NO	NO	12.7	12.7	7	8.8	360	5

Site ID	Site description	Date	Time	Rain in last 24 hrs?	Replicate	AIR_TEMP	H2O_TEMP	PH	D.O.	COND_US	TURBIDITY
202-GAZOS-16	Mainstem	6/23/2004	11:40 AM	NO	YES	17.5	14	7.5		380	5
202-GAZOS-16	Mainstem	6/23/2004	11:40 AM	NO	NO	17.5	13	7.5	8.6	380	5
202-GAZOS-16	Mainstem	6/26/2004	11:30 AM	NO	NO	19	14.5	7.5	9	380	5
202-GAZOS-16	Mainstem	7/6/2004	10:50 AM	NO	NO	16	13.5	7	9.6	390	5
202-GAZOS-16	Mainstem	7/10/2004	12:20 AM	NO	NO	18.4	15.1	7.5	9.5	380	5
202-GAZOS-16	Mainstem	7/17/2004	10:10 AM	NO	NO	17	15.5	7	9.4	390	5
202-GAZOS-16	Mainstem	7/20/2004	11:00 AM	NO	NO	17	15.5	7.5	8	390	5
202-GAZOS-16	Mainstem	7/27/2004	1:15 PM	NO	NO	19	18	7	8.4	370	5
202-GAZOS-16	Mainstem	8/13/2004	5:40 PM	NO	NO	17	16.5	7.5	9.4	400	5
202-GAZOS-16	Mainstem	8/22/2004	12:00 AM	NO	NO	18	15	7.5	8.2	400	5
202-GAZOS-16	Mainstem	8/25/2004	3:15 PM	NO	NO	23	18	7.5	8.6	400	5
202-GAZOS-16	Mainstem	8/28/2004	10:45 AM	NO	NO	19.5	14	7.5	9.4	410	5
202-GAZOS-16	Mainstem	9/4/2004	9:50 AM	NO	NO	16.5	13	7.5	9.2	420	5
202-GAZOS-16	Mainstem	9/11/2004	4:05 PM	NO	YES	21	15.5	7.5	8.4	420	5
202-GAZOS-16	Mainstem	9/11/2004	4:05 PM	NO	NO	21	15.5	7.5	8.4	420	5
202-GAZOS-16	Mainstem	9/15/2004	10:30 AM	NO	NO	18.5	14	7.5	8	420	5
202-GAZOS-16	Mainstem	9/22/2004	11:15 AM	NO	NO	14.5	11	7	9.6	410	5
202-GAZOS-16	Mainstem	10/7/2004	12:40 PM	NO	NO	19.5	13	7	8.8	430	5
202-GAZOS-16	Mainstem	10/19/2004	4:15 PM	YES	NO	14	13	7.5	9.2	340	15
202-GAZOS-16	Mainstem	10/25/2004	1:40 PM	NO	NO	15.5	13	7.5	10.2	410	5
202-GAZOS-16	Mainstem	10/28/2004	10:45 AM	NO	NO	8	8	7.5	11	400	5
202-GAZOS-16	Mainstem	11/9/2004	12:30 PM	YES	NO	10	12.5	7.5	10	430	5
202-GAZOS-16	Mainstem	11/13/2004	11:45 PM	NO	NO	13	11.5	7.5	9.6	400	5
202-GAZOS-16	Mainstem	11/16/2004	11:05 AM	NO	NO	11	9.5	7.5	9.8	430	5
202-GAZOS-11	Hwy 1 Bridge	5/1/2004	12:37 PM	NO	NO	27.5	14	6.5	10	300	128
202-GAZOS-13	Below Bear Gulch	5/1/2004	11:58 AM	NO	NO	20	12	6.5	10	100	

Bold numbers indicate exceedences of the Water Quality Objectives set forth by CCAMP.

Watsonville Sloughs – Result Data

SITE ID	Description	Team	Date	Time	Rain in last 24 hours?	Air temp	Water temp	pH	DO	Conductivity	Turbidity
WATSO - 21	Ramsay Park	B	5/13/2004	12:16	No	19	11	6.5	1.2	0.5	5
WATSO - 21	Ramsay Park	D	5/21/2004	12:52	No	18.5	16	7	1.8	0.5	10
WATSO - 21	Ramsay Park	A	6/5/2004	12:02	No	21.3	18.5	7	0.6	0.7	10
WATSO - 21	Ramsay Park	C	6/10/2004	11:08	No	19	19.6	7	1.4	0.7	5
WATSO - 21	Ramsay Park	B	6/18/2004	12:20	No	17.7	16.7	7.5	1	0.7	5
WATSO - 21	Ramsay Park	C	6/25/2004	10:10	No	21.1	19.7	7.5	2.8	0.7	5
WATSO - 21	Ramsay Park	A	7/2/2004	10:52	No	15.5	17.9	6.5	2	0.7	10
WATSO - 21	Ramsay Park	A	7/10/2004	11:45	No	17.1	22	6.5	3	0.7	5
WATSO - 21	Ramsay Park	B	7/17/2004	12:34	No	25.5	21	7	0.36	0.8	10
WATSO - 21	Ramsay Park	A	7/30/2004	2:41	No	25.1	19	7	0.02	1.1	150
WATSO - 21	Ramsay Park	D	8/13/2004	11:23	No	20.8	19	7	2	1	10
WATSO - 21	Ramsay Park	C	8/19/2004	12:46	No	21.1	19.9	7	0.6	0.9	10
WATSO - 21	Ramsay Park	B	8/30/2004	11:16	No	18.8	17.2	7	0.4	1.1	30
WATSO - 21	Ramsay Park	D	9/9/2004	10:18	No	23.1	18	7.5	0.8	0.8	20
WATSO - 21	Ramsay Park	A	9/18/2004	12:30	No	22.6	19.2	8	NA	0.8	30
WATSO - 21	Ramsay Park	C	9/21/2004	12:36	No	24.1	17.1	7.5	5	0.8	20
WATSO - 21	Ramsay Park		10/7/2004	11:08	No	23.6	18.7	7.5	n.d.	2.1	200
WATSO - 21	Ramsay Park	B	10/9/2004	11:40	No	18.1	17.2	7	0.14	2	10
WATSO - 21	Ramsay Park	D	10/12/2004	11:17	No	28	17.2	7.5	4.6	1.1	NA
WATSO - 21	Ramsay Park		10/22/2004	11:43	No	20.7	14.7	7.5	0.8	0.3	5
WATSO - 21	Ramsay Park		10/28/2004	1:48	Yes	17.2	16.5	6.5	0.8	0.2	10
WATSO - 21	Ramsay Park		11/6/2004	2:01	No	20	16.9	6.5	3.2	0.3	0
WATSO - 21	Ramsay Park		11/8/2004	10:25	No	14.7	13.1	7	2.4	0.4	10
WATSO - 23	Beach Road	B	5/21/2004	12:02	No	17	19	8	10.6	8.8	15
WATSO - 23	Beach Road	D	6/5/2004	11:30	No	19.8	21.8	8	8.2	14	40
WATSO - 23	Beach Road	A	6/10/2004	12:49	No	20.1	22.2	8	11.4	6.9	20
WATSO - 23	Beach Road	C	6/18/2004	11:32	No	18.2	18.5	7.5	8.4	6.7	10
WATSO - 23	Beach Road	B	6/25/2004	12:40	No	18.2	23.9	8	5.4	3.5	50
WATSO - 23	Beach Road	C	7/10/2004	11:12	No	17.6	20.1	7.5	4.6	10.2	30
WATSO - 23	Beach Road	A	7/17/2004	12:00	No	22	24	8.5	0.7	0.8	20
WATSO - 23	Beach Road	A	7/30/2004	12:30	No	24	21.3	7.5	0.8	5.7	40
WATSO - 23	Beach Road	B	8/13/2004	9:50	No	15.1	17.9	7.5	4	3.6	10
WATSO - 23	Beach Road	A	8/19/2004	11:20	No	18.1	19.3	7.5	1.8	2.8	10
WATSO - 23	Beach Road	D	8/30/2004	10:10	No	16.8	18.5	7.5	6.4	8.5	20
WATSO - 23	Beach Road	C	9/9/2004	12:42	No	21.3	18	7.5	6.2	8.1	10
WATSO - 23	Beach Road	B	9/18/2004	11:06	No	20.3	17.9	8		0.8	30
WATSO - 23	Beach Road	D	9/21/2004	10:40	No	24	16.4	7.5	5.2	8	10
WATSO - 23	Beach Road	A	10/7/2004	10:20	No	14.8	16.7	7.5	3.6	3.7	50
WATSO - 23	Beach Road	C	10/9/2004	10:36	No	16.4	19.2	8	0.66	12.9	35
WATSO - 23	Beach Road		10/12/2004	10:52	No	25.8	19.2	7.5	7.6	OR	20
WATSO - 23	Beach Road	B	10/22/2004	11:12	No	16.1	15.4	7.5	6.6	10.8	10
WATSO - 23	Beach Road	D	10/28/2004	12:58	Yes	17.4	16.1	7	6.4	2.9	20
WATSO - 23	Beach Road		11/6/2004	12:38	No	19.2	17.2	7.5	8.4	17	5
WATSO - 23	Beach Road		11/8/2004	9:45	No	15	15.6	8	7.4	OR	5
HARKI - 21	Buena Vista	B	5/13/2004	11:47	No	21	20	6.5	NA	0.6	200

SITE ID	Description	Team	Date	Time	Rain in last 24 hours?	Air temp	Water temp	pH	DO	Conductivity	Turbidity
HARKI - 21	Buena Vista	B	5/21/2004	11:12	No	17	19	7_	3	0.6	10 cm
HARKI - 21	Buena Vista	D	6/5/2004	11:00	No	18.6	21.1	7	4.2	0.7	150
HARKI - 21	Buena Vista	A	6/10/2004	12:15	No	19.3	22.1	7.5	7.2	0.7	9.5 cm
HARKI - 21	Buena Vista	C	6/18/2004	10:42	No	17.5	19.2	7.5	1.2	0.8	5
HARKI - 21	Buena Vista	B	6/25/2004	12:00	No	21.5	22.9	7.5	0.4	0.9	10 cm
HARKI - 21	Buena Vista	C	7/2/2004	10:12	No	15	18	7.5	2.2	0.9	10.5 cm
HARKI - 21	Buena Vista	A	7/10/2004	12:32	No	18.3	20.6	7.5	2.4	0.9	11.5 cm
HARKI - 21	Buena Vista	A	7/17/2004	0.11:24	No	25	21.5	7.5	0.84	1	< 1ft
HARKI - 21	Buena Vista	B	8/13/2004	10:25	No	17	20.4	7	0.2	1.3_	11.5 cm
HARKI - 21	Buena Vista	A	8/19/2004	12:09	No	16.4	19.5	8	1.8	1.3	9.5 cm
HARKI - 21	Buena Vista	D	8/30/2004	10:44	No	17.8	19.9	7.5	0.4	1.8	7.5 cm
HARKI - 21	Buena Vista	C	9/9/2004	11:31	No	17.1	16	8	16	1.8	10.5 cm
HARKI - 21	Buena Vista	B	9/18/2004	11:45	No	17.3	18.4	8	NA	1.6	<25 cm
HARKI - 21	Buena Vista	D	9/21/2004	11:42	No	24	24.6	8.5	14.5	1.6	7 cm
HARKI - 21	Buena Vista	A	10/7/2004	9:00	No	15.3	16.2	8	1.2	1.8	11 cm
HARKI - 21	Buena Vista	C	10/9/2004	11:13	No	15.4	17.2	8	0.08	1.8	< 1 ft
HARKI - 21	Buena Vista		10/12/2004.	10:18	No	15.3	14.9	8	2.2	1.7	11 cm
HARKI - 21	Buena Vista	B	10/22/2004.	10:37	No	17.1	12.7	7.5	5.8	1.1	10.5 cm
HARKI - 21	Buena Vista	D	10/28/2004.	12:22	Yes	18.4	15.3	7	8.2	0.8	10.5
HARKI - 21	Buena Vista		11/6/2004	11:48	No	20.2	14.9	7	5.6	0.9	10 cm
HARKI - 21	Buena Vista		11/8/2004	8:49	No	13.4	14.4	7.5	1	1.1	10.5 cm
WSTRU - 21	Green Valley	B	5/13/2004	11:20	No	17.5	13	6	7.2	0.7	5
WSTRU - 21	Green Valley	B	5/21/2004	10:40	No	15.5	14	7	0.8	0.8	40
WSTRU - 21	Green Valley	D	6/5/2004	10:40	No	19	14.9	6	0.2	0.8	20
WSTRU - 21	Green Valley	A	6/10/2004	10:33	No	19	15.2	7	0.8	0.9	10
WSTRU - 21	Green Valley	C	6/18/2004	10:17	No	16.5	14.5	7	0.4	0.8	40
WSTRU - 21	Green Valley	B	6/25/2004	11:27	No	22.1	14.9	7	0.8	0.9	30
WSTRU - 21	Green Valley	C	7/2/2004	9:32	No	16	15	7	0.6	0.9	30
WSTRU - 21	Green Valley	A	7/17/2004	10:50	No	23.5	14	7	0.08	0.9	30
WSTRU - 21	Green Valley	B	8/13/2004	10:52	No	20.1	16.2	6.5	4	0.9	80
WSTRU - 21	Green Valley	A	8/19/2004	9:57	No	16.3	16	7.5	2.2	0.8	40
WSTRU - 21	Green Valley	D	8/30/2004	9:12	No	15.6	16.1	7.5	2.4	0.9	60
STRUUV - 21	Harkins Sl. Rd.	B	5/13/2004	10:35	No	19	18	6.6	NA	0.3	15
STRUUV - 21	Harkins Sl. Rd.	B	5/21/2004	9:47	No	17	18	6.5	NA	0.3	5
STRUUV - 21	Harkins Sl. Rd.	D	6/5/2004	10:12	No	20.4	20.9	6.5	0.6	0.4	10
STRUUV - 21	Harkins Sl. Rd.	A	6/10/2004	11:42	No	23.1	20.1	7	0.4	0.4	10
STRUUV - 21	Harkins Sl. Rd.	C	6/18/2004	12:37	No	20.1	21.4	7	0.4	0.4	5
STRUUV - 21	Harkins Sl. Rd.	B	6/25/2004	11:00	No	20.7	24.7	7	0.4	0.4	20
STRUUV - 21	Harkins Sl. Rd.	C	7/2/2004	8:21	No	15	18	6.5	0.2	0.5	15
STRUUV - 21	Harkins Sl. Rd.	A	7/10/2004	10:12	No	17	19.3	6.5	0.2	0.5	20
STRUUV - 21	Harkins Sl. Rd.	A	7/17/2004	10:05	No	24	18	7	0.1	0.5	50
STRUUV - 21	Harkins Sl. Rd.	18.4	7/30/2004	2:08	No	21.8	18.4	7	0.48	0.6	200
STRUUV - 21	DRY		8/13/2004								

Bacteria and Nutrient Raw Data for all Watersheds

Aptos Watershed	400	10000	2.25	0.1	0.025	>=
Site	E. coli	Total Coliform	Nitrate	Ortho-Phosphate	Ammonia	Date
Aptos-24	63	933	0.127			3/8/04
Aptos-25	30	199	0.088			3/8/04
Valen-23	203	1223	0.339	0.116		3/8/04
Valen-24	120	521	0.24	0.172	0.013	3/8/04
Valen-24FD	134	520	0.214	0.127	0.011	3/8/04
Valen-24FB						3/8/04
Aptos 21	31	1112	0.347	0.271	0.002	5/25/04
Aptos24	323	2755	0.347	0.126	0.002	5/25/04
Aptos25	199	1723		0.158	0.002	5/25/04
Valen23	988	5794	0.58	0.223	0.002	5/25/04
Valen24	422	2046	0.187	0.199	0.003	5/25/04
Valen24FDN	419	2098	0.188	0.177	0.002	5/25/04
Valen24FB						5/25/04
APTOS-21	20	419		0.114	0.018	7/6/04
APTOS-24	148	1467	0.067	0.125	0.016	7/6/04
APTOS-25	203	933		0.113	0.016	7/6/04
TROUT-21	677	1725	1.730			7/6/04
VALEN-23	546	3300	0.647	0.164		7/6/04
VALEN-24	448	1722	0.116	0.156	0.016	7/6/04
VALEN-24FD	583	1722	0.116	0.152		7/6/04
VALEN-24FB						7/6/04
Aptos24	173	3255	0.076	0.19	0.142	8/12/04
Valen23	1012	11198	0.945	0.2	0.169	8/12/04
Valen24	512	2909	0.155	0.231	0.112	8/12/04
Valen24-FDN			0.155	0.241	0.0285	8/12/04
Valen24FB						8/12/04
Aptos24	85	1198	0.017	0.166		9/22/04
Valen23	314	2924	3.608	0.092		9/22/04
Valen24	495	1565	0.15	0.205		9/22/04
Valen24-FDN			0.143	0.205		9/22/04
Valen24FB						9/22/04
Aptos24	148	1664	0.069	0.171	0.099	10/7/04
Valen23	1211	6488	0.962		0.099	10/7/04
Valen24	2481	3873	0.176	0.227	0.106	10/7/04
Valen24-FDN			0.17	0.211	0.128	10/7/04
Valen24FB						10/7/04
Aptos24	313	1850	0.122	0.132	0.016	11/8/04
Trout 21	25000	25000	1.38	0.057	0.019	11/8/04
Valen23	298	2359	0.473	0.167	0.035	11/8/04
Valen24	63	880	0.109	0.177	0.118	11/8/04
Valen24-FDN			0.105	0.165	0.118	11/8/04
Valen24FB						11/8/04
Light grey = No Sample or Specific analysis not run on this sample						
Med grey = N.D. or non-detect						
Dark grey = Missing value						

Branciforte Watershed	400	10000	2.25	0.1	0.025	>/=
Site	E. coli	Total Coliform	Nitrate	Ortho-Phosphate	Ammonia	Date
Branc-21	1076	7701	0.585			3/8/04
Branc-22	20	398	0.082	0.057		3/8/04
Branc-23	143	759	0.669	0.091		3/8/04
Branc-23FD	175	722	0.716	0.093		3/8/04
Carbo-21	63	717	0.799			3/8/04
Carbo-21FB						3/8/04
Branc-21	833	4611	0.083		0.003	5/25/04
Branc-22	331	2755	0.115	0.104	0.006	5/25/04
Branc-22FD	359	2224	0.101	0.116	0.006	5/25/04
Branc22FB						5/25/04
Branc-23	305	3255	0.429		0.003	5/25/04
Carbo-21	209	1850	0.673		0.003	5/25/04
Grani21	97	2602	0.141	0.12	0.003	5/25/04
Branc-21	907	6488	0.047	0.059	0.026	7/6/04
Branc-22	201	1933	0.060	0.106	0.026	7/6/04
Branc-23	700	4611	0.260	0.061	0.738	7/6/04
Branc-24	262	2755	0.140	0.081	0.329	7/6/04
Branc-25	110	1500	0.134		0.028	7/6/04
Carbo-21	86	2282	0.537		0.073	7/6/04
Grani21	10	1483	0.125	0.147	0.062	7/6/04
Grani-22FD 1	212	1281	2.547	0.156	0.122	7/6/04
Grani-22FD 2	31	933	0.14	0.146	0.214	7/6/04
Grani-22FB						7/6/04
Branc-21	650	7270	0.067	0.152		8/16/04
Branc-22	581	1669	0.107	0.137		8/16/04
Branc-22FD			0.105	0.137		8/16/04
Branc22FB						8/16/04
Branc-22	41	1246		0.131	0.02	9/22/04
Branc-23	657	3448	0.165	0.099	0.07	9/22/04
Branc-23ND			0.165	0.09		9/22/04
Branc23FB						9/22/04
Branc-22	495	1607	0.033	0.116	0.113	10/7/04
Branc-23	933	19863	0.181	0.096	0.106	10/7/04
Branc-23 FD			0.175	0.092	0.099	10/7/04
Branc-23 FB						10/7/04
Branc-21	25000	25000	0.102	0.061		11/8/04
Branc-23	441	2035	0.312	0.063		11/8/04
Branc-24	31	1860	0.157	0.093	0.01	11/8/04
Branc-24 FD			0.156	0.087	0.012	11/8/04
Branc-24 FB						11/8/04
Carbo-21	563	2014	0.607			11/8/04
Light grey = No Sample or Specific analysis not run on this sample						
Med grey = N.D. or non-detect						
Dark grey = Missing value						

Corralitos Watershed	400	10000	2.25	0.1	0.025	>/=
Site	E. coli	Total Coliform	Nitrate	Ortho-Phosphate	Ammonia	Date
Brown-21	109	314	0.158			3/8/04
Corra-23	20	1153	0.757			3/8/04
Corra-23FD	63	931	0.696			3/8/04
Corra-23FB						3/8/04
Corra-24	20	169	0.101			3/8/04
Salsi-21	161	3654	1.4			3/8/04
Brown21	31	932	0.115		0.006	5/26/04
Corra23	441	4884	8.862		0.007	5/26/04
Corra24	20	738	0.092		0.005	5/26/04
Salsi-21	185	6827	12.82		0.092	5/26/04
Salsi21FD	262	7701	12.8		0.087	5/26/04
Salsi-21FB						5/26/04
Brown21	30	1664	0.099		0.016	7/6/04
Corra23	1333	8664	10.860		0.018	7/6/04
Corra24	20	359	0.058		0.014	7/6/04
Salsi-21	226	24192	8.318		0.311	7/6/04
Salsi21FD	161	24192	8.359		0.034	7/6/04
Salsi-21FB						7/6/04
Corra23	201	2254	5.384			8/12/04
Salsi-21	285	14136	7.852			8/12/04
Salsi21FD			7.692			8/12/04
Salsi-21FB						8/12/04
Corra23	855	5172	5.992			9/22/04
Salsi-21	243	9804	9.286		0.019	9/22/04
Salsi21FD			9.275		0.019	9/22/04
Salsi-21FB						9/22/04
Corra23	4611	14136	5.31		0.113	10/7/04
Salsi-21	437	25000	6.225		0.199	10/7/04
Salsi21FD			6.018		0.212	10/7/04
Salsi-21FB						10/7/04
Corra23	187	2224	3.132		0.071	11/8/04
Salsi-21	20	12033	5.229		0.51	11/8/04
Salsi21FD			4.796		0.544	11/8/04
Salsi-21FB						11/8/04
Light grey = No Sample or Specific analysis not run on this sample						
Med grey = N.D. or non-detect						
Dark grey = Missing value						

Gazos Watershed	400	10000	2.25	0.1	0.025	>/=
Site	E. coli	Total Coliform	Nitrate	Ortho-Phosphate	Ammonia	Date
Bearg-11	20	292	0.082		0.003	5/26/04
Gazos14	30	480	0.048		0.003	5/26/04
Gazos14FB						5/26/04
Gazos15		464	0.055		0.003	5/26/04
Gazos16		455			0.003	5/26/04
BEARG-21		379	0.063		0.029	7/6/04
GAZOS-14	63	1112	0.034		0.022	7/6/04
GAZOS-14FD1	20	1178	0.034		0.018	7/6/04
GAZOS-14FD2	41	1112	0.034		0.015	7/6/04
GAZOS-14FB					0.014	7/6/04
GAZOS-15	72	475	0.025		0.295	7/6/04
GAZOS-16	20	410			0.02	7/6/04
GAZOS14	285	2224				10/7/04
GAZOS14ND						10/7/04
GAZOS14FB						10/7/04
GAZOS15	10	472				10/7/04
GAZOS16	20	1354				10/7/04
BEARG-11	10	183	0.18		0.031	11/9/04
GAZOS14	10	121			0.045	11/9/04
GAZOS14FDN					0.027	11/9/04
GAZOS14-FB						11/9/04
GAZOS15	31	231			0.048	11/9/04
GAZOS16	20	317			0.027	11/9/04
Light grey = No Sample or Specific analysis not run on this sample						
Med grey = N.D. or non-detect						
Dark grey = Missing value						

Watsonville Sloughs	400	10000	2.25	0.1	0.025	>=
Site	E. coli	Total Coliform	Nitrate	Ortho-Phosphate	Ammonia	Date
Harki21	1483	14136	4.101		0.009	5/26/04
Struv21	238	25000	0.098		0.006	5/26/04
Watso21	20	6131		0.112	0.037	5/26/04
Watso23	520	25000	13.74		0.049	5/26/04
Watso23FD	703	25000	12.83		0.022	5/26/04
WStruve21	265	2247			0.026	5/26/04
HARKI-21	2987	24192	0.112		0.015	7/6/04
STRUV-21	1723	6488	0.090		0.016	7/6/04
WATSO-21	98	2282	0.063		0.015	7/6/04
WATSO23	594	24192	47.420		0.026	7/6/04
WATSO-23FD	416	19863	51.390		0.116	7/6/04
WATSO-23FB					0.028	7/6/04
WSTRUV-21		683	0.090		0.023	7/6/04
Harki21	25000	25000		0.539		8/12/04
Watso21	246	4106		0.302		8/12/04
Watso23	241	24192	44.23			8/12/04
Watso23FD-N			44.89			8/12/04
Watso23FB		160				8/12/04
HARKI21	11199	25000	0.79	0.109	0.019	9/22/04
WATSO23FB					0.07	9/22/04
HARKI21	6488	25000	0.451	0.28	0.093	10/7/04
WATSO21	933	17329	0.039		2.478	10/7/04
WATSO23	504	25000	24.17		0.113	10/7/04
WATSO23ND			21.59		0.113	10/7/04
WATSO23FB						10/7/04
HARKI21	1187	25000	0.241		0.162	11/8/04
WATSO21	272	19863	N.D.	0.621	0.02	11/8/04
WATSO23	122	7555	16.29		0.045	11/8/04
WATSO23FDN			14.63		0.051	11/8/04
WATSO23FB						11/8/04
Light grey = No Sample or Specific analysis not run on this sample						
Med grey = N.D. or non-detect						
Dark grey = Missing value						

APPENDIX C

Participating Community Organizations

Participating Agencies and Donor List

Funding Agency:

State Water Resources Control Board

Participating Governmental Agencies, Governments and Organizations

Monterey Bay National Marine Sanctuary
Ocean Conservancy
Santa Cruz County
Santa Cruz County Department of Environmental Health Services
Santa Cruz County Parks
San Mateo County
San Mateo County Department of Environmental Health
City of Capitola
City of Capitola Public Works Department
City of Half Moon Bay
City of Monterey Public Works Department
City of Pacific Grove Public Works Department
City of Santa Cruz
City of Watsonville Parks Department - Ramsey Park Nature Center
City of Watsonville Public Works Department
City of Watsonville Waste Water Treatment Facility
State Water Resources Control Board - Clean Water Team
California Environmental Protection Agency
Agricultural & Land based Training Association (ALBA)
Monterey Bay Sanctuary Citizen Watershed Monitoring Network
Surfrider Foundation
Save Our Shores
Natural Bridges State Park
Nisene Marks State Park
Happy Valley Elementary School
Harbor High School (Santa Cruz)
Valencia Elementary
Monarch School (Santa Cruz)
Sewer Authority Mid-Coastside, San Mateo County

Business Donors

Aptos Grange
Beach House Restaurant, San Mateo County
Kelly's Bakery
LuLu Carpenter's, Santa Cruz
Noah's Bagels, Capitola
Pacific Coffee Roasting Company, Aptos
REI, Saratoga, CA
Safeway, Aptos
Safeway, Mission St., Santa Cruz
San Gregorio General Store, San Gregorio
Santa Cruz Coffee Roasting Company
Starbuck's Coffee, Half Moon Bay
The Farm Bakery & Cafe, Aptos
Trader Joes, Capitola