

Water Quality

Stream Characterization Field Data Sheet

Date: 02/04/04	Investigator(s): Zak Housled + Erik Blundell	Site ID #: 1
Time: 10:00 am	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: Ojai Meadows Creek

Site Location: In the Resort Meadow area.

General Flow Conditions: The stream held a consistent flow, which moved from pool to pool, and eventually, below our station, drained into the Moppy Valley Drain

Channel Morphology (include stream banks): The banks are cut and steep w/ grass and bark at the edges of the stream.

Water Depth (3 cross sectional measurements in ft/in): 5.5" 11.0" 6.5" Average Depth (ft/in) $7.6" = 1.2 = 0.63 \text{ ft}$

Water Width (ft/in) 2' 9" = 2.75 ft.

Stream Velocity ([100] feet / [?] second) 1 ft. / 6 sec. = 0.17

Discharge (CFS) $2.75 \times 0.63 \times 0.17 = 0.29$

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other

Instream: The water flows over and around pebbles and dirt bars.

Riparian Habitat: wild grass, Eucalyptus trees + buckwheat grow here.

Shading: The burn on the western edge of the creek completely shading the transect

Substrate Composition: Pebbles.

Particle Size Range: _____

Approximate Area: _____

Potential Spawning? Yes, No

pH (0-14): 7.63

Dissolved Oxygen (mg/L & %): 1.26 mg/L and 10.2%

Temperature (°C): 7.9°C

Conductivity (µS or mS) 363.3 µS

Specific Conductance (µS or mS) 543 µS

Salinity (ppt): 0.2 (ppt)

TDS (ppm): _____

Hardness: _____

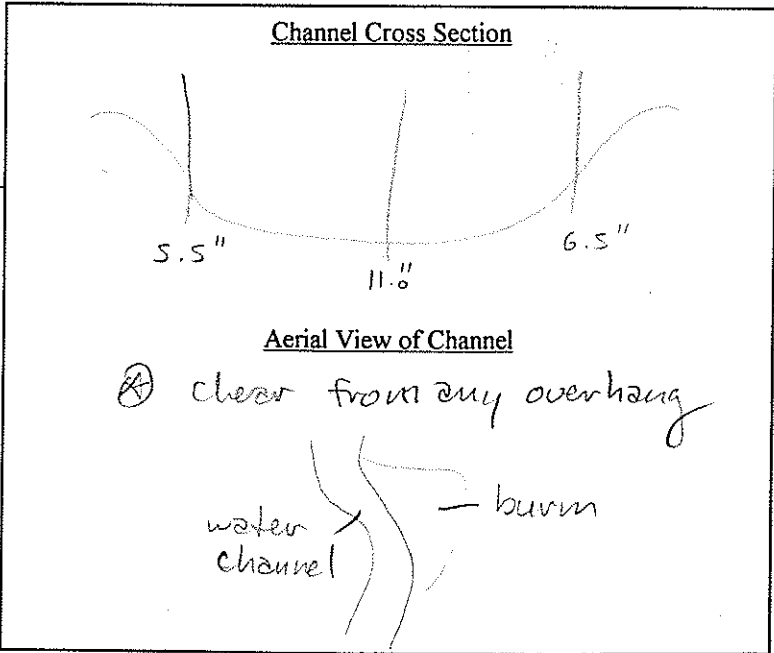
Carbon Dioxide: 14 ppm

Turbidity (NTUs): 20.9

Coliform Bacteria: not tested

Other Observations: Clear Sunny day

Potential Rearing? Yes, No



Water Quality

Stream Characterization Field Data Sheet

Date: <u>02/23/04</u>	Investigator(s): <u>Zak Handsted + Erik Rundell</u>	Site ID #: <u>1</u>
Time: <u>11:10</u>	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: Happy Valley Drain Ojai Meadows
 Site Location: Ojai Meadows Drain - upstream of Happy Valley Drain
 General Flow Conditions: Consistently flows toward end into the Ojai Meadows Drain.

Channel Morphology (include stream banks): The banks are slopping and/or caved away by the water.

Water Depth (3 cross sectional measurements in ft/in): 4" 5" 5" Average Depth (ft/in) $4.6" = 0.39$ ft

Water Width (ft/in) 2' 6" = 2.5ft

Stream Velocity ([100] feet / [?]second) 10 ft / 25 sec = * Conductivity: 82.9 μ S

Discharge (CFS) $2.5 \times 0.39 \times 0.40 = 0.39$ * Specific conductance: 311.9 μ S

Stream Habitat Type: Pool, Riffle, Run

* Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other

Instream: wild grass + eucalyptus shavings + bark.

Riparian: Buckwheat, Eucalyptus (up stream + down), wild grass.

Shading: The burn partly shades the transect. About 5% covered.

Substrate Composition: N/A

Particle Size Range: No particles in the transect

Approximate Area: N/A

* Potential Spawning? Yes, No

* Potential Rearing? Yes, No

pH (0-14): 6.82

Dissolved Oxygen (mg/L, %): 8.08 mg/L; 74.0%

Salinity (ppt): .10 ppt

Temperature (°C): 11.3°C

TDS (ppm): _____

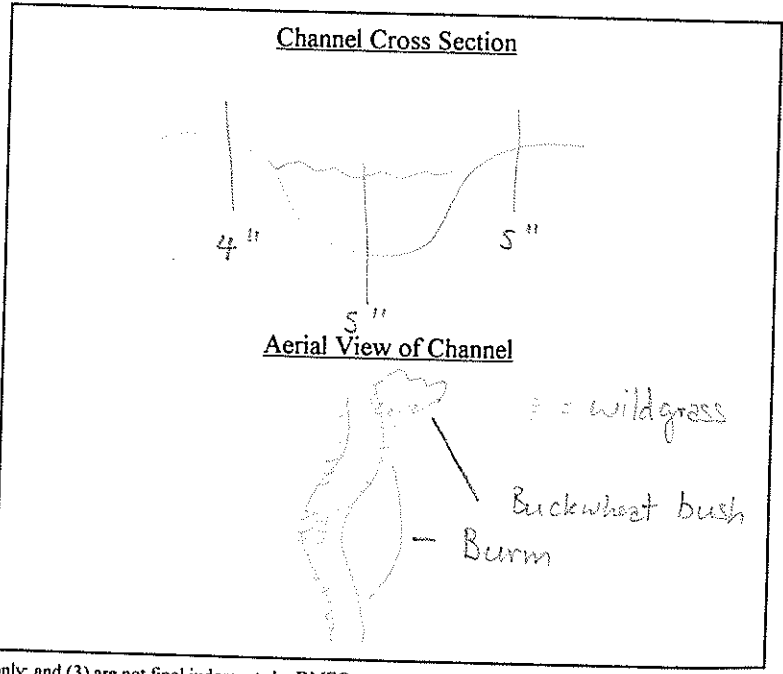
Hardness: _____

Carbon Dioxide: 17 ppm

Turbidity (NTUs): 59.8

Coliform Bacteria: _____

Other Observations: Clear blue sky w/ cumulus clouds dispersed over the adjacent areas. Shavings of Eucalyptus + Buckwheat are heaped one on top of the other downstream. No artificial



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.

Water Quality

Stream Characterization Field Data Sheet

Date: 03/02/04	Investigator(s): Zak H., Erik B. + Cher B.	Site ID #: 1
Time: 1:46 p.m.	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: Happy Valley Drain - Ojai Meadows
 Site Location: Directly before Ojai Meadows Drain.
 General Flow Conditions: Continuous flow; turbidity levels high; very narrow channel
 Channel Morphology (include stream banks): _____

Water Depth (3 cross sectional measurements in ft/in): 5" 4" 3.5" Average Depth (ft/in) $4.2" \div 3 = 1.4$
 Water Width (ft/in) 2 ft. 6 in. = 2.5 ft $\frac{4.1}{3} = 1.36$
 Stream Velocity ([100] feet / [?] second) 10 ft / 8 sec. = 1.25 $\frac{1.4}{1.1} = 1.27$
 Discharge (CFS) 1.09
 Stream Habitat Type: Pool, Riffle, Run
 Inundated? Yes, No
 Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other

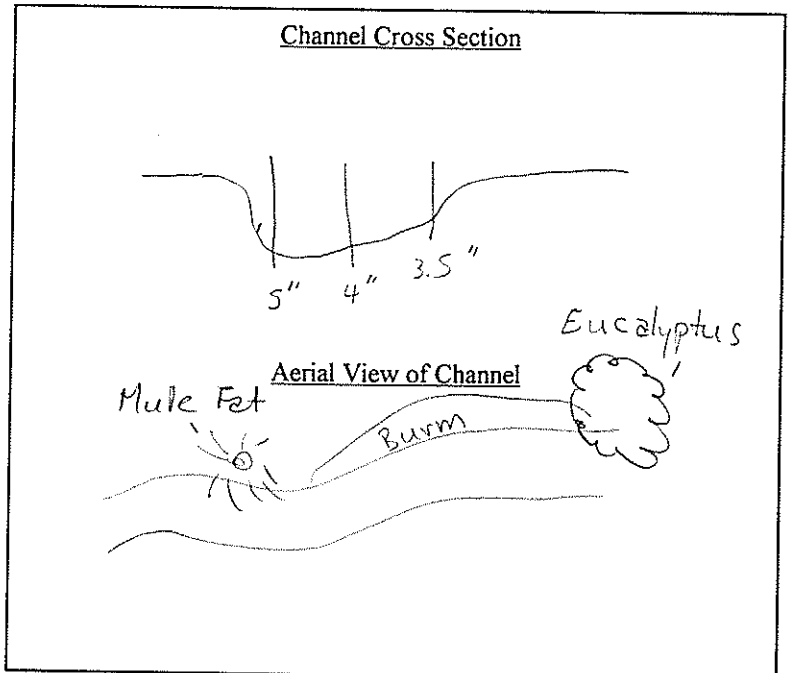
Instream: _____
 Riparian Habitat: Highly disturbed: Mule fat, Eucalyptus + annual grasses.
 Shading: Partial shading by Eucalyptus
 Substrate Composition: Pebbles, Gravels
 Particle Size Range: _____

Potential Spawning? Yes, No
 Potential Rearing? Yes, No
 pH (0-14): 7.21

Dissolved Oxygen (mg/L, %): 4.65 mg/L, 45.3%
 Temperature (°C): 14.4 °C
 Conductivity (µS or mS): out of range
 Specific Conductance (µS or mS): 250.0 µS
 Salinity (ppt): .20 ppt.
 TDS (ppm): _____
 Hardness: _____

Carbon Dioxide: 16 ppm
 Turbidity (NTUs): 33.9
 Coliform Bacteria: _____

Other Observations: An over cast day.
No unnatural



Water Quality Stream Characterization Field Data Sheet

Date: 10/20/04	Investigator(s): Zak H. + Erik B.	Site ID #: 1
Time: 10:30	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: ~~Happy Valley Drain~~ Ojai Meadows

Site Location: Directly before Ojai Meadows Drain

General Flow Conditions: High flow; very narrow channel; water moving rapidly; Medium turbidity.

Channel Morphology (include stream banks): Natural banks created by a high burn. High slope on left side (2" depth) and low slope on other side.

Water Depth (3 cross sectional measurements in ft/in): 2" 5" 4" Average Depth (ft/in) $3.7'' \div 3 = 1.23''$

Water Width (ft/in) 2' (ft.) 6" (in.) = 2.5 ft. 0.31 ft

Stream Velocity ([100] feet/[?]second) 10 ft. / 6 sec. (100 ft. / 60 sec.) = 1.67

Discharge (CFS) 1.29

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other _____

Instream: plant life stuck (attached) to bottom (-invasives) (Native)

Riparian Habitat: Highly disturbed: Eucalyptus, annual grasses. Ground: Mule Fat.

Shading: Partially from Eucalyptus.

Substrate Composition: Rock + Sand; soil from banks.

Particle Size Range: Gravel, pebbles, sand

Potential Spawning? Yes, No Pebbles Present. Potential Rearing? Yes, No

○ pH (0-14): 6.77

✓ Dissolved Oxygen (mg/L, %): 8.2 ppm

○ Temperature (°C): 15.5°C

○ Conductivity (µS or mS): 240 µS

Specific Conductance (µS or mS): _____

✓ Salinity (ppt): _____

✓ TDS (ppm): _____

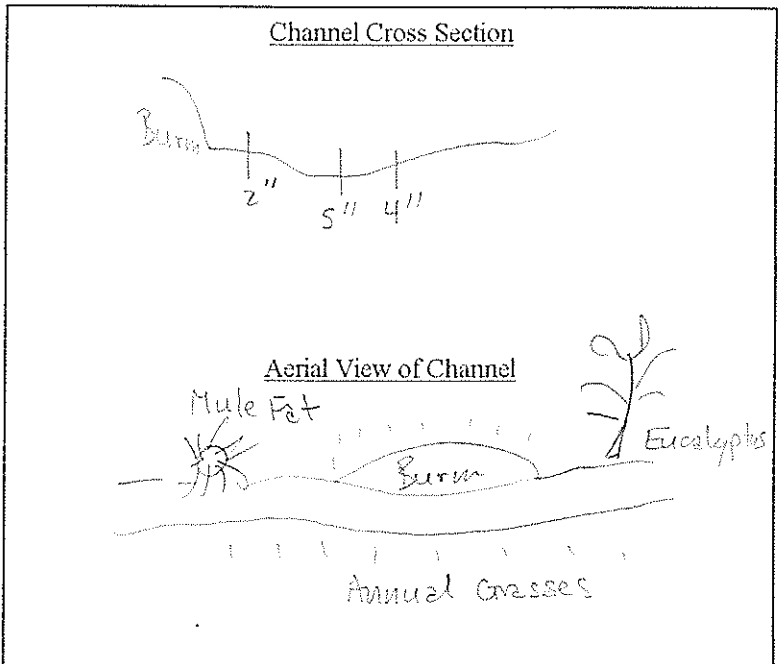
✓ Hardness: _____

✓ Carbon Dioxide: 21 ppm

✓ Turbidity (NTUs): 11.1

Coliform Bacteria: positive

Other Observations: _____



Stream Characterization and Water Quality Sampling Field Data Sheet

Date: 12-3-04	Investigator(s): Bran	Site ID #: 1
Time: 10:30 am	Lat.: 34.44289°	Long: 119.27404
Photo No(s): 164	Photo Notes: To SE	Elev. ft.: 716 ft

Drainage/Creek Name: Happy Valley Drain Ojai Meadows
 Site Location: Ojai Meadows drainage, upstream of Happy Valley Drain
 General Flow Conditions: Dry

Channel Morphology (include stream banks): Mostly fine sediment

Water Depth (3 cross sectional measurements in ft/in): / Average Depth (ft/in) _____

Water Width (ft/in) _____

Stream Velocity ([100] feet / [?] seconds) _____

Discharge (CFS) _____

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other _____

Instream: Some native flora, ie, milk fat mostly grasses

Riparian Habitat: Eucalyptus dominated area

Shading: Open

Substrate Composition: silt

Particle Size Range: _____

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): _____

Dissolved Oxygen (mg/L, %): _____

Temperature (°C): _____

Conductivity (indicate µS or mS): _____

Specific Conductance (indicate µS or mS): _____

Salinity (ppt): _____

TDS (ppm): _____

Hardness: _____

Carbon Dioxide: _____

Turbidity (NTUs): _____

Coliform Bacteria: _____

Other Observations: _____

Channel Cross Section

Aerial View of Channel

Stream Characterization and Water Quality Sampling Field Data Sheet

Date: 1-5-05	Investigator(s): Brian Holly / Zach Hanstad	Site ID #: 1
Time: 10:20 AM	Lat.: 34.44292	Long: 119.27424
Photo No(s): 173	Photo Notes: Taken to NE	

Drainage/Creek Name: Happy Valley Drain
Site Location: Ojai Meadows Drainage, upstream of HV drain
General Flow Conditions: Slow moving, ripple

Channel Morphology (include stream banks): Natural banks, road with berm to the North

Water Depth (3 cross sectional measurements in ft/in): 5" 6" 4" Average Depth (ft/in) 5" = 0.42 ft
 $15/3 = 5$

Water Width (ft/in) 2'
Stream Velocity ([100] feet / [?] seconds) 10' in 26 sec. = 0.38
Discharge (CFS) 0.32

Stream Habitat Type: Pool, Riffle, Run
Inundated? Yes, No
Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other

Instream: Eucalyptus growing out of channel, some native plants (ie: Mulfat)
Riparian Habitat: Mulfat, Eucalyptus, Oaks
Shading: 10%

Substrate Composition: Silt
Particle Size Range: Sand and silt

Potential Spawning? Yes, No
Potential Rearing? Yes, No

pH (0-14): 7.55
Dissolved Oxygen (mg/L, %): 7.36 mg/L, 52.2%
Temperature (°C): 6.9°C
Conductivity (indicate μS or mS): 495 μS
Specific Conductance (indicate μS or mS): 487.1 μS
Salinity (ppt): .2 ppt
TDS (ppm): _____
Hardness: _____
Carbon Dioxide: 5 ppm
Turbidity (NTUs): 0.28
Coliform Bacteria: Positive
Other Observations: _____

Channel Cross Section

Wildlife Observed:
Small birds in Euc. Trees

Aerial View of Channel

Water Quality

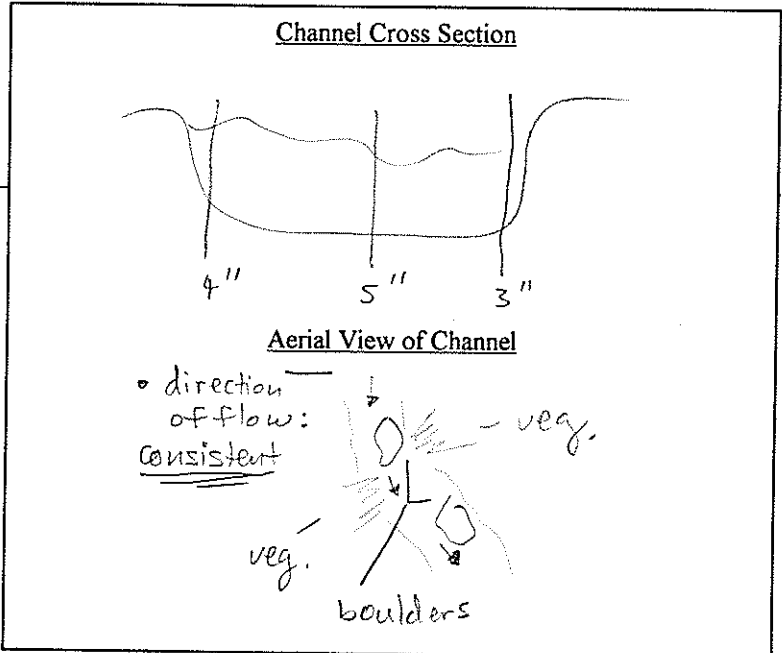
Stream Characterization Field Data Sheet

Date: <u>02/04/04</u>	Investigator(s): <u>Zak Hansted + Erik Blundell</u>	Site ID #: <u>2</u>
Time: <u>11:05</u>	Lat.:	Long:
Photo No(s).:	Photo Notes:	

Drainage/Creek Name: Villanova Creek
 Site Location: A+ Hermosa + Golf course; upstream of San Antonio Creek.
 General Flow Conditions: The stream flows rapidly w/ small intervals of slow collection, but overall a constant flowing.
 Channel Morphology (include stream banks): The stream runs over stones, pebble + mat algae (bristly-like and adhesive). Very clear water.
 Water Depth (3 cross sectional measurements in ft/in): 4" 5" 3" Average Depth (ft/in) 4" = 0.33 ft
 Water Width (ft/in) 6' 5" (6.42 ft)
 Stream Velocity ([100] feet / [?] second) 10 ft / 24 sec = 0.42
 Discharge (CFS) 0.89
 Stream Habitat Type: Pool, Riffle, Run
 Inundated? Yes, No
 Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other _____
 Instream: The water flows continuously over and around the algae + stones.
 Riparian Habitat: willows, arundo (bamboo), mule fat
 Shading: The stream transect is about 60-70% covered by the willows.
 Substrate Composition: Boulders, stones + pebbles. Very little sediment.
 Particle Size Range: _____
 Approximate Area: _____

Potential Spawning? Yes, No
 pH (0-14): 7.67
 Dissolved Oxygen (mg/L & %): 3.81 mg/L and 36.9%
 Temperature (°C): 11.1°C
 Conductivity (µS or mS) 965 µS
 Specific Conductance (µS or mS) 1360 µS
 Salinity (ppt): .70 (ppt)
 TDS (ppm): _____
 Hardness: _____
 Carbon Dioxide: 13 ppm
 Turbidity (NTUs): 2.6
 Coliform Bacteria: not tested
 Other Observations: Clear Sunny day

Potential Rearing? Yes, No



Water Quality
Stream Characterization Field Data Sheet

Date: 02/23/04	Investigator(s): Zak Hansted + Erik Blundell	Site ID #: 2
Time: 11:43	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: Villanova Creek

Site Location: Lower end of creek by Golf Course.

General Flow Conditions: consistently flows. Only one pool of water in the transect, which flowed out of the pool in about 5-8 seconds.

Channel Morphology (include stream banks): The stream shifts to the left in the transect, and then continues in a straight path downstream.

Water Depth (3 cross sectional measurements in ft/in): 5" 9" 8" Average Depth (ft/in) 7.3" = 0.61f

Water Width (ft/in) 9' 11" = 9.92ft.

Stream Velocity ([100] feet / [?]second) 10 ft / 10 sec. = 1

Discharge (CFS) 6.05

Stream Habitat Type: Pool, X Riffle, Run

Inundated? X Yes, No

Cover Type: X Over-hanging Vegetation, X Submerged Boulders, Logs, Root Wads, Submerged Vegetation, Undercut Banks, Other

Instream: The Arundo + willows shade + touch the transect.

Riparian: About 70-75% shaded area over transect. Algae on floor (mat)

Shading: The Arundo + Willows.

Substrate Composition: Pebbles, Stones, Boulders

Particle Size Range: _____

Approximate Area: _____

Potential Spawning? X Yes, No Potential Rearing? X Yes, No

pH (0-14): 7.98

Dissolved Oxygen (mg/L, %): 12.78 mg/L; 123.6%

Salinity (ppt): .50 ppt

Temperature (°C): 13.1°C

TDS (ppm): _____

Hardness: _____

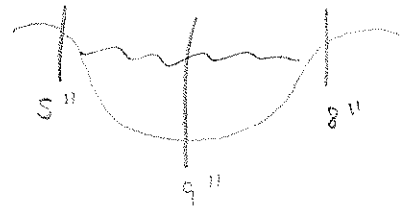
Carbon Dioxide: 9 ppm

Turbidity (NTUs): 0.37

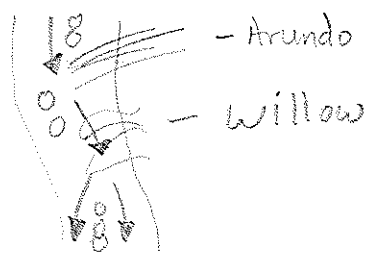
Coliform Bacteria: _____

Other Observations: The creek only has natural waste inside it. A clear and sunny part of the day. Only a few cumulus clouds about, but not one was shading the sun from striking the transect.

Channel Cross Section



Aerial View of Channel



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.

Water Quality
Stream Characterization Field Data Sheet

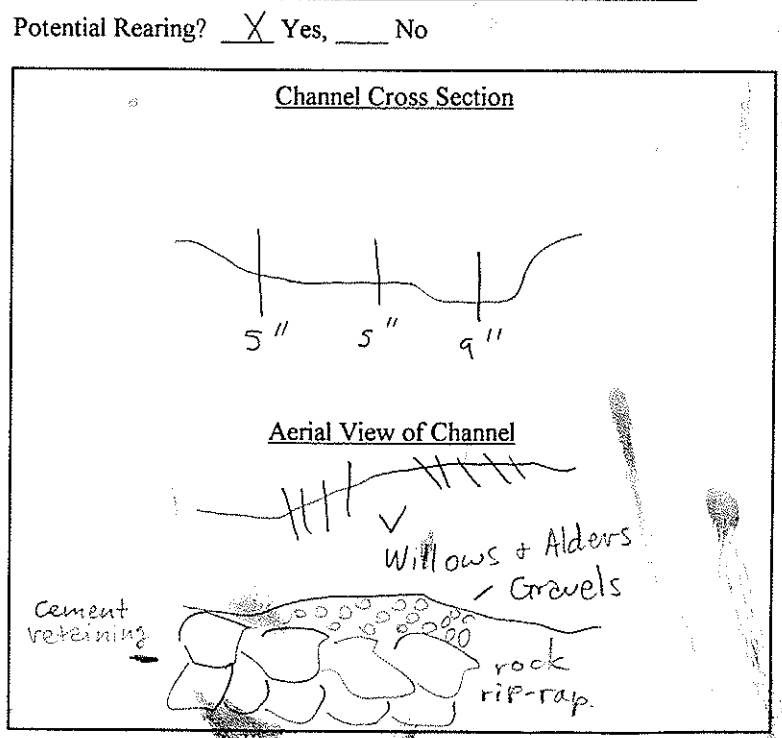
Date: <u>03/02/04</u>	Investigator(s): <u>Zak H. Erik B., Chev B.</u>	Site ID #: <u>Z</u>
Time: <u>2:30 pm</u>	Lat.:	Long:
Photo No(s).:	Photo Notes:	

Drainage/Creek Name: Villanova Creek
 Site Location: On the mesa, upstream from San Antonio Creek - below Golf course
 General Flow Conditions: Consistent rapid flow; clear water
 Channel Morphology (include stream banks): _____

Water Depth (3 cross sectional measurements in ft/in): 5" 5" 9" Average Depth (ft/in) 6.3" = 0.53 ft
 Water Width (ft/in) 14 ft. / 6 in. = 14.5 ft.
 Stream Velocity ([100] feet / [?] second) ~~10 ft / 14 sec.~~ 10 ft / 14 sec. = 0.71
 Discharge (CFS) 5.46
 Stream Habitat Type: Pool, Riffle, Run
 Inundated? Yes, No
 Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
Submerged Vegetation, Undercut Banks, Other

Instream: _____
 Riparian Habitat: Willows, Alders riparian forest. Arundo + Mule fat.
 Shading: Partially shaded by trees
 Substrate Composition: Gravels, Cobbles, Boulders
 Particle Size Range: _____

Potential Spawning? Yes, No
 pH (0-14): 7.81
 Dissolved Oxygen (mg/L, %): 5.21 mg/L; 48.5%
 Temperature (°C): 13.1°C
 Conductivity (µS or mS): 925.0 µS
 Specific Conductance (µS or mS): 1200.0 µS
 Salinity (ppt): .30 ppt
 TDS (ppm): _____
 Hardness: _____
 Carbon Dioxide: 10 ppm
 Turbidity (NTUs): 0.3.1
 Coliform Bacteria: _____
 Other Observations: _____

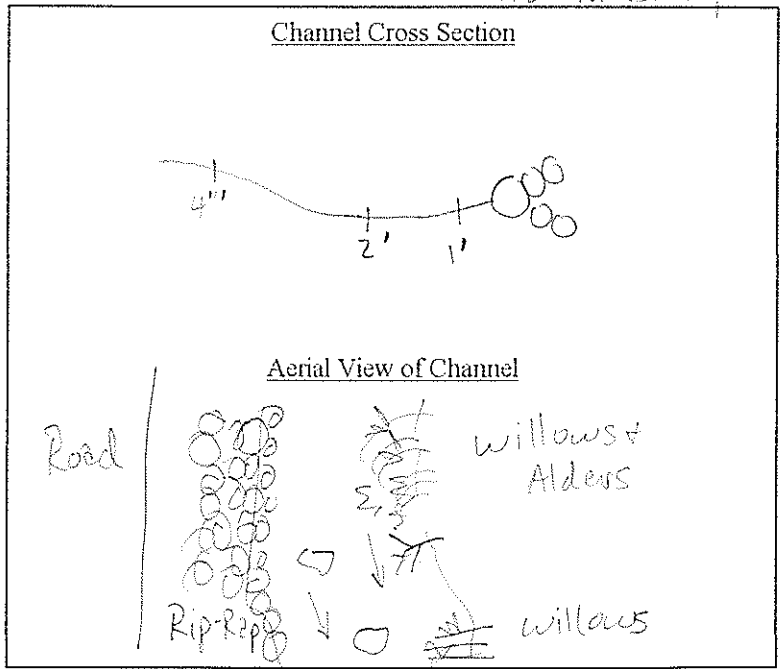


Water Quality
Stream Characterization Field Data Sheet

Date: 10/20/04	Investigator(s): Zak H. & Erik B.	Site ID #: 2
Time: 11:15	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: Villanova Creek
 Site Location: On Hermosa. Below Golf Course
 General Flow Conditions: Water is present + richly brown. Water is moving rapidly. Turbidity is very low.
 Channel Morphology (include stream banks): (1) Bank is man-made (Rip-Rap). Low slope on (4") bank and steep slope on rip-rap side.
 Water Depth (3 cross sectional measurements in ft/in): 4" 3' 2' Average Depth (ft/in) 21" = (1.75ft)
 Water Width (ft/in) 17.0ft.
 Stream Velocity ([100] feet/[?]second) 10 ft. / 5 sec. (100ft./50sec.) = (2.00)
 Discharge (CFS) 59.50
 Stream Habitat Type: Pool, Riffle, X Run (Torrential)
 Inundated? X Yes, No
 Cover Type: X Over-hanging Vegetation, Submerged Boulders, X Logs, Root Wads, Submerged Vegetation, Undercut Banks, X Other Rip-Rap
 Instream: Foam collected underneath Alder dipped in water (streambank), timber
 Riparian Habitat: Riparian Forest: Alders, Arundo, Mule-fat
 Shading: Alders, Arundo + mule-fat partially shading (30%).
 Substrate Composition: Rock + Sand.
 Particle Size Range: Cobbles, pebbles, sand.
 Potential Spawning? Yes, X No Potential Rearing? Yes, X No Disturbed by rip-rap and invasive plants.

pH (0-14): 7.65
 Dissolved Oxygen (mg/L, %): 7.6 ppm
 Temperature (°C): 15.7 °C
 Conductivity (µS or mS): 499.0 µS
 Specific Conductance (µS or mS): _____
 Salinity (ppt): _____
 TDS (ppm): _____
 Hardness: _____
 Carbon Dioxide: 8 ppm
 Turbidity (NTUs): 310
 Coliform Bacteria: positive
 Other Observations: _____



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.
 C:\DMEC\Jobs\ventura\Ojai\City_of_Ojai\DFG_StreamsGrant\DFGStreamsGrant-StreamCharFieldDataForm.doc

~~Stream Characterization~~ and Water Quality Sampling Field Data Sheet

Date: 1-5-05	Investigator(s): Brian Holly / Zach Hanstad	Site ID #: 2
Time: 11:25 AM	Lat.: 34.42918°	Long: 119.25863°
Photo No(s): 172	Photo Notes: Photo taken to N.	Waypoint # 064

Drainage/Creek Name: Villanova Creek
 Site Location: /
 General Flow Conditions: Strong current

Channel Morphology (include stream banks): unnatural / concrete / rock banks to west holding road shoulder, natural banks to east

Water Depth (3 cross sectional measurements in ft/in): 5" 8" 5" Average Depth (ft/in) 6" = 0.5ft

Water Width (ft/in) 12'

Stream Velocity ([100] feet / [?] seconds) 10' in 6 sec. = 1.67

Discharge (CFS) 10.02

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other

Instream: Overhanging Giant Reed, Arroyo Willow

Riparian Habitat: Arroyo Willow / Giant Reed Dominated

Shading: 60%

Substrate Composition: river rock, cobble, silt

Particle Size Range: Cobble

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 8.24

Dissolved Oxygen (mg/L, %): 11.18 mg/L, 118%

Temperature (°C): 10.6 °C

Conductivity (indicate µS or mS): 543 µS

Specific Conductance (indicate µS or mS): 756 µS

Salinity (ppt): .3 ppt

TDS (ppm): _____

Hardness: _____

Carbon Dioxide: 6 ppm

Turbidity (NTUs): 0.05

Coliform Bacteria: POS

Other Observations: _____

Channel Cross Section

Wildlife:
None observed

Aerial View of Channel

These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.
 C:\DMEC\Jobs\Ventura\Ojai\City_of_Ojai\DFG_StreamsGrant\DFGStreamsGrant-StreamCharFieldDataForm.doc

Water Quality

Stream Characterization Field Data Sheet

Date: 02/04/04	Investigator(s): Zak Hausted + Erik Blundell	Site ID #: 3
Time: 11:48	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: Del Norte Creek San Antonio Creek

Site Location: lower end of creek, which runs off into S.A. creek.

General Flow Conditions: The water flows consistently + does not gather into pockets, but does form long stretches similar in character to

Channel Morphology (include stream banks): Boulders + stones litter the channel's center and edges; Arundo touches the water @ the stream's edges.

Water Depth (3 cross sectional measurements in ft/in): 3" 4" 6" Average Depth (ft/in) 4.3 = 0.36 ft

Water Width (ft/in) 8' 0" = 8ft.

Stream Velocity ([100] feet / [?]second) 10ft / 20sec. = 0.5

Discharge (CFS) 1.44

Stream Habitat Type: Pool, X Riffle, Run

Inundated? X Yes, No

Cover Type: X Over-hanging Vegetation, X Submerged Boulders, Logs, Root Wads, Submerged Vegetation, Undercut Banks, Other

Instream: The water flows consistently + constantly over or around stones.

Riparian Habitat: Arundo. The plant covers approx. 40% of the transect

Shading: Arundo.

Substrate Composition: Boulders, stones, pebbles

Particle Size Range: _____

Approximate Area: _____

Potential Spawning? X Yes, No

Potential Rearing? Yes, X No

pH (0-14): 7.74

Dissolved Oxygen (mg/L & %): 8.68 mg/L & 79.4%

Temperature (°C): 12.1°C

Conductivity (µS or mS) 99.8 µS

Specific Conductance (µS or mS) 1327 µS

Salinity (ppt): 0.70 ppt.

TDS (ppm): _____

Hardness: _____

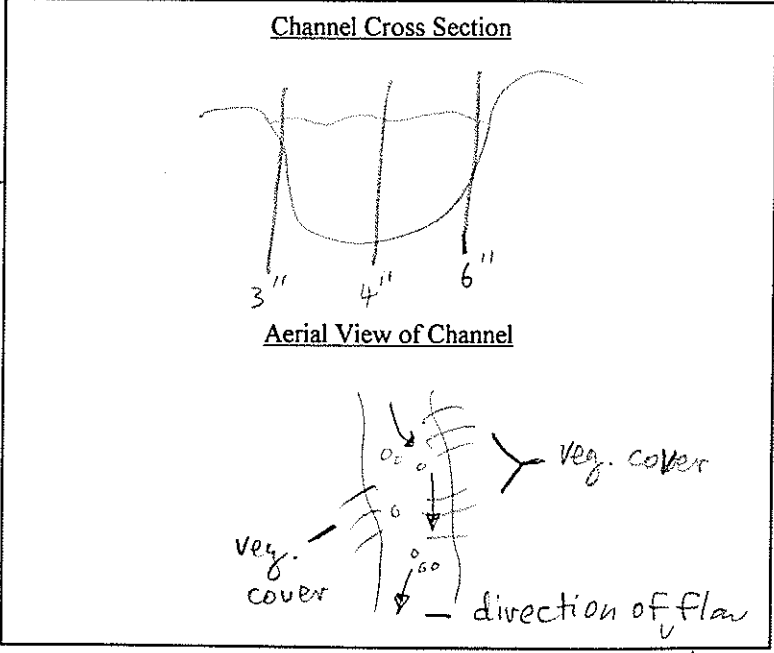
Carbon Dioxide: 14 ppm

Turbidity (NTUs): 2.4

Coliform Bacteria: not tested

Other Observations: clear sunny

days



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.

Water Quality

Stream Characterization Field Data Sheet

Date: <u>02/23/04</u>	Investigator(s): <u>Zak Hansted + Erik Blundell</u>	Site ID #: <u>3</u>
Time: <u>12:10</u>	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: Del Norte Creek San Antonio Creek
 Site Location: Above San Antonio Creek near Hermosa Rd.
 General Flow Conditions: Consistently flows. No pools are seen @ transect.

Channel Morphology (include stream banks): The creek runs smoothly, consistently & consistently down streams w/out any obstructions.

Water Depth (3 cross sectional measurements in ft/in): 5" 7.5" 8" Average Depth (ft/in) 6.8" = 0.57 ft.

Water Width (ft/in) 12 ft

Stream Velocity ([100] feet / [?] second) 10 ft / 8 sec. = 1.25

Discharge (CFS) 8.55

Ⓢ Conductivity: 863 μs
 Ⓢ Specific Conductance: 1103 μs

Stream Habitat Type: Pool, Riffle, Run

Ⓢ Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
Submerged Vegetation, Undercut Banks, Other

Instream: Stones + boulders are both submerged + protruding.

Riparian: Vegetation. Plant-like mat substance. Mat Algae - approx. 40% of transect.

Shading: 0% shading.

Substrate Composition: Stones + Boulders.

Particle Size Range: _____

Approximate Area: _____

Ⓢ Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 7.87

Dissolved Oxygen (mg/L, %): 9.69 mg/L ; 93.1%

Salinity (ppt): .60 ppt

Temperature (°C): 13.6°C

TDS (ppm): _____

Hardness: _____

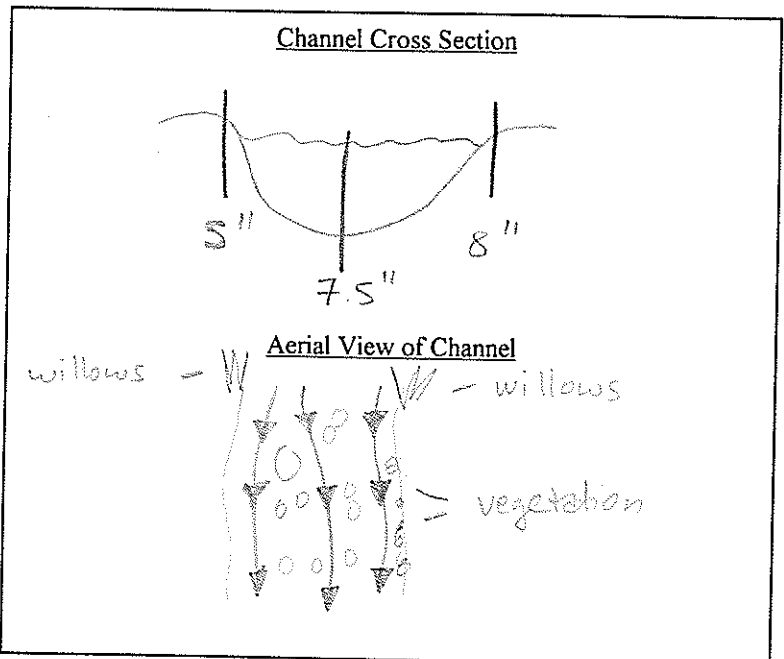
Carbon Dioxide: 9 ppm

Turbidity (NTUs): 03.2

Coliform Bacteria: _____

Other Observations: clear and sunny.

The cumulus clouds are not directly over the transect, and they are not impeding the sun's rays. No waste is in the water.



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.

Water Quality Stream Characterization Field Data Sheet

Date: <u>03/02/04</u>	Investigator(s): <u>Erik H., Erik B., Cheri B.</u>	Site ID #: <u>3</u>
Time: <u>3:10</u>	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: Del Norte Creek San Antonio Creek
 Site Location: Above Creek Rd. Bridge
 General Flow Conditions: Consistent flows; water clear

Channel Morphology (include stream banks): wide, flat channel with shallow swiftly moving water.

Water Depth (3 cross sectional measurements in ft/in): 1" 5" 5" Average Depth (ft/in) 3.7" = 0.31 ft.

Water Width (ft/in): 14 ft

Stream Velocity ([100] feet / [?] second) 10 ft. / 7 sec. = 1.43

Discharge (CFS) 1.21

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other

Instream: _____

Riparian Habitat: Willow riparian woodland

Shading: No shading @ transect. Lots shading by willow Riparian veg.

Substrate Composition: Sand, Gravels, ^{Mostly} Boulders. (Shale)

Particle Size Range: _____

Approximate Area: _____

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 7.86

Dissolved Oxygen (mg/L & %): 8.46 mg/L ; 81.5%

Temperature (°C): 13.0 °C

Conductivity (µS or mS) 936.0 µS

Specific Conductance (µS or mS) 1216.0 µS

Salinity (ppt): .60 ppt.

TDS (ppm): _____

Hardness: _____

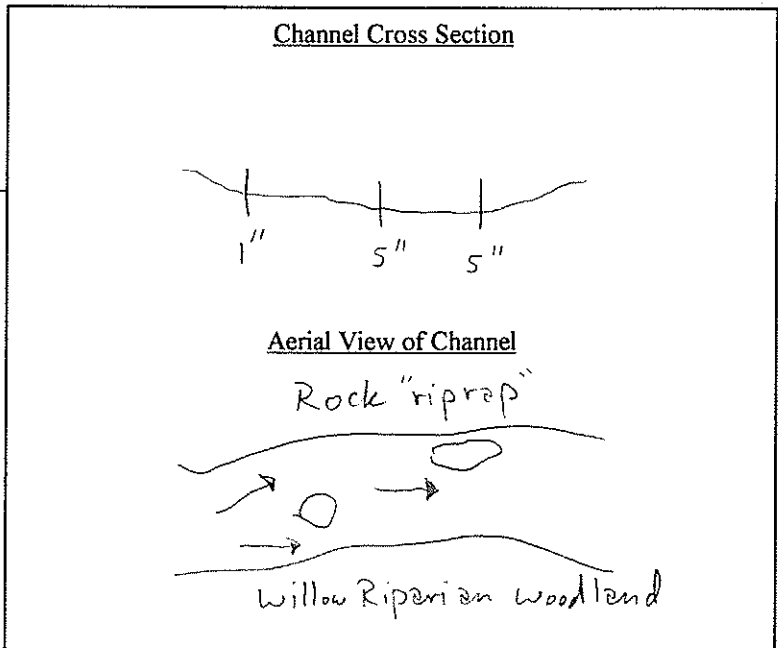
Carbon Dioxide: 12 ppm

Turbidity (NTUs): 03.4

Coliform Bacteria: _____

Other Observations: Overcast day.

NO trash/foreign material



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.

Water Quality

Stream Characterization Field Data Sheet

Date: 10/20/04	Investigator(s): Zak H. + Ank B.	Site ID #: 3
Time: 11:40	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: ~~Del Norte Creek~~ San Antonio Creek.
 Site Location: Above creek Rd. Bridge.
 General Flow Conditions: Consistent flow. Turbidity level extremely low.

Channel Morphology (include stream banks): wide flat channel w/ deep quickly moving water.

Water Depth (3 cross sectional measurements in ft/in): 2" 3' 2' Average Depth (ft/in) $\frac{20.6}{3} = 6.87$ (1.72ft)

Water Width (ft/in) 16'

Stream Velocity ([100] feet / [?]second) 10ft. / 4sec. (100ft. / 40sec.)

Discharge (CFS) 68.8 = 2.5

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other Rip-Rap

Instream: willows; Arundo (upstream from x-section); sycamore saplings.

Riparian Habitat: willow riparian woodland; willows (mostly), sycamores, ^{mugwort,} ^{alders,}

Shading: No shading at transect. Late shading by willow riparian veg.

Substrate Composition: Boulders, cobbles, pebbles, sand + rock.

Particle Size Range: Boulders, cobbles, pebbles.

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 7.65

Dissolved Oxygen (mg/L, %): 6.0 ppm

Temperature (°C): 15.9 °C

Conductivity (µS or mS): 535.0 µS

Specific Conductance (µS or mS):

Salinity (ppt):

TDS (ppm):

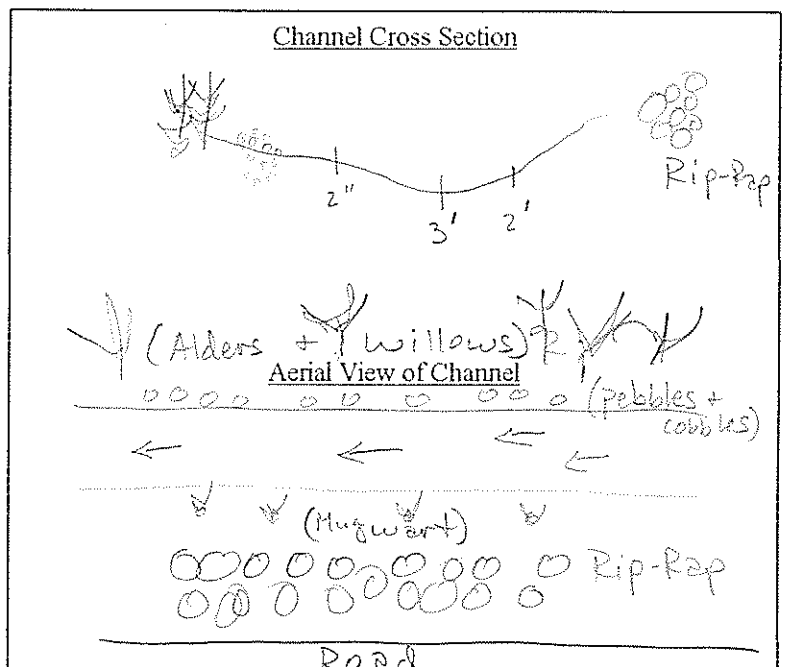
Hardness:

Carbon Dioxide: 8 ppm

Turbidity (NTUs): 350

Coliform Bacteria: positive

Other Observations:



~~Stream Characterization and~~ Water Quality Sampling Field Data Sheet

Date: 1-5-05	Investigator(s): Brian Holly / Zach Hovstad	Site ID #: 3
Time: 11:50 AM	Lat.: 34.42819°	Long: 119.25837°
Photo No(s): 171	Photo Notes: Taken to North	Waypoint # 064

Drainage/Creek Name: San Antonio Creek
 Site Location: /
 General Flow Conditions: Strong flow

Channel Morphology (include stream banks): Overhanging Willow / Mulefat & Giant Reed

Water Depth (3 cross sectional measurements in ft/in): 3' 2' 1' Average Depth (ft/in) 2'
 Water Width (ft/in) 9' 6/3 = 2

Stream Velocity ([100] feet / [?] seconds) 10 ft. in 5 sec. = 2

Discharge (CFS) 36.0

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other

Instream: Most of the vegetation has been cleared out in storm

Riparian Habitat: Mulefat, Arroyo Willow, Giant Reed

Shading: 20%

Substrate Composition: River rock / cobble

Particle Size Range: Cobble, some silt

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 8.03

Dissolved Oxygen (mg/L, %): 10.68 mg/L, 95.6%

Temperature (°C): 10.5°C

Conductivity (indicate µS or mS): 551 µS

Specific Conductance (indicate µS or mS): 762 µS

Salinity (ppt): .41 ppt

TDS (ppm):

Hardness:

Carbon Dioxide: 8 ppm

Turbidity (NTUs): 0.04

Coliform Bacteria: Pos.

Other Observations:

Channel Cross Section

Wildlife:
None observed

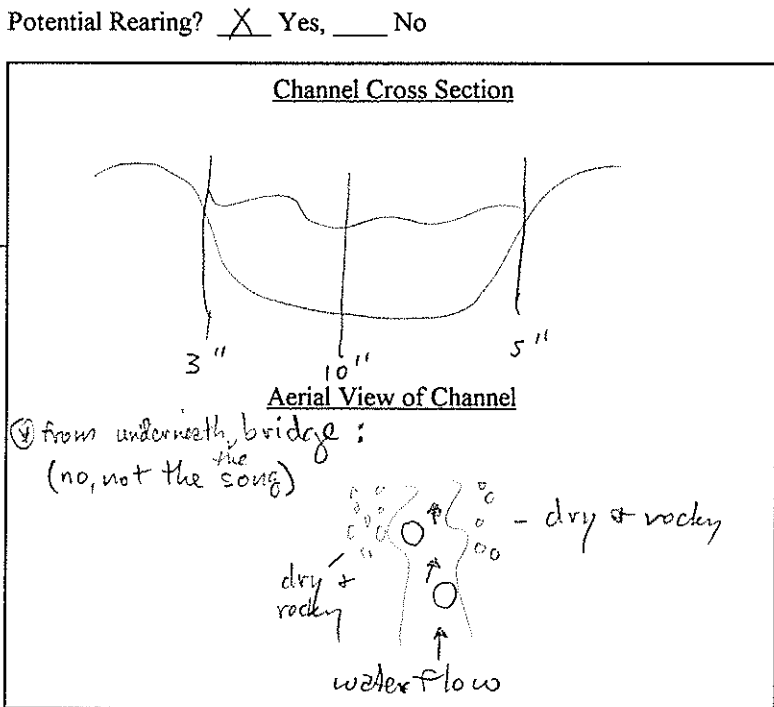
Aerial View of Channel

Water Quality
Stream Characterization Field Data Sheet

Date: 02/04/04	Investigator(s): Zak Hausted + Erik Blundell	Site ID #: 4
Time: 11:28	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: San Antonio Creek
 Site Location: AT creek Rd. Bridge next to Camp Comfort + Hermosa Rd.
 General Flow Conditions: A very steady flow w/ pockets of water collecting between rocks (stones + boulders) on the banks.
 Channel Morphology (include stream banks): Many boulders, stones + pebbles are in the channel. The bridge completely covers the transect.
 Water Depth (3 cross sectional measurements in ft/in): 3" 10" 5" Average Depth (ft/in) 6" = 0.5 ft
 Water Width (ft/in) 10' 8" = 10.67 ft
 Stream Velocity ([100] feet / [?]second) 10 ft / 30 sec. = 0.33
 Discharge (CFS) 1.78
 Stream Habitat Type: Pool, Riffle, Run
 Inundated? Yes, No
 Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
Submerged Vegetation, Undercut Banks, Other A bridge
 Instream: A few leaves and many pebbles w/ sediment accumulation.
 Riparian Habitat: Willows, mule fat, arundo + wild grass.
 Shading: Completely shaded by the bridge.
 Substrate Composition: Boulders, stones + pebbles.
 Particle Size Range: _____
 Approximate Area: _____

Potential Spawning? Yes, No
 pH (0-14): 7.83
 Dissolved Oxygen (mg/L & %): 5.44 mg/L & 53.7%
 Temperature (°C): 12.5 °C
 Conductivity (µS or mS) 1010 µS
 Specific Conductance (µS or mS) 1070 µS
 Salinity (ppt): .50 ppt
 TDS (ppm): _____
 Hardness: _____
 Carbon Dioxide: 7 ppm
 Turbidity (NTUs): 2.8
 Coliform Bacteria: tested positive
 Other Observations: Clear sunny day, though the transect is completely covered by the bridge.



Water Quality
Stream Characterization Field Data Sheet

Date: <u>02/23/04</u>	Investigator(s): <u>Zak Hansted + Erik Blundell</u>	Site ID #: <u>4</u>
Time: <u>12:36</u>	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: San Antonio Creek
 Site Location: Below confluence of Villanova Creek @ Creek Rd. Bridge.
 General Flow Conditions: Consistently flows. A few outlets afforded pools for the water to accumulate, but the water drained in about 10 sec.
 Channel Morphology (include stream banks): The banks consist of boulders, stones, pebbles + rock sediment.

Water Depth (3 cross sectional measurements in ft/in): 5" 11" 1" Average Depth (ft/in) 5.67" = 0.47 ft.
 Water Width (ft/in): 17' 4" = 17.33ft
 Stream Velocity ([100] feet / [?]second) 10ft / 8 sec. = 1.25 ⊕ conductivity: 884 μs
 Discharge (CFS) 10.18 ⊕ specific conductance: 1120 μs

Stream Habitat Type: Pool, Riffle, Run

⊕ Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other

Instream: sediment, boulders + stones.
 Riparian: Willows in the overflow area
 Shading: completely shaded by bridge.
 Substrate Composition: Boulders, stones + pebbles.
 Particle Size Range: _____

Approximate Area: _____

⊕ Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 7.70

Dissolved Oxygen (mg/L, %): 8.30 mg/L; 79.3%

Salinity (ppt): .60 ppt

Temperature (°C): 14°C

TDS (ppm): _____

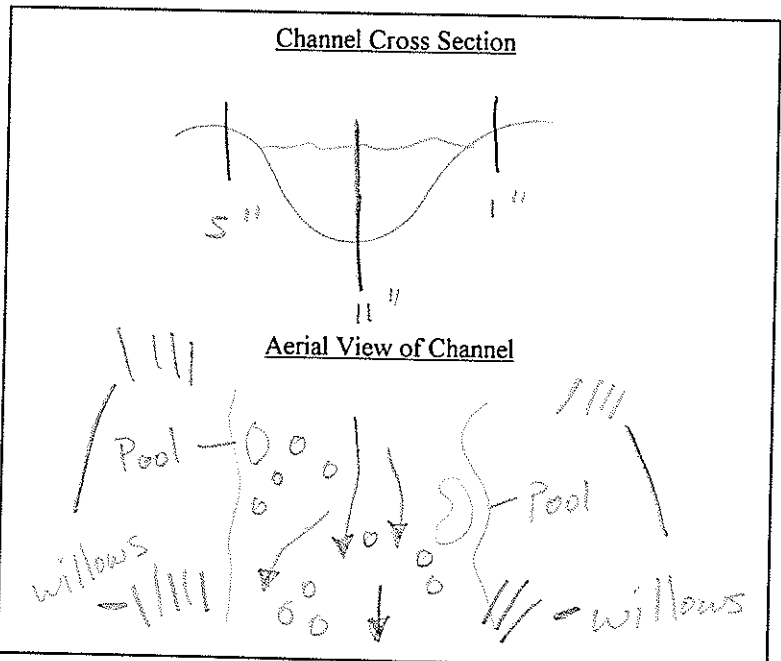
Hardness: _____

Carbon Dioxide: 10ppm

Turbidity (NTUs): 0.31

Coliform Bacteria: _____

Other Observations: The transect lies below a bridge. No unnatural waste, but some of the natural vegetation from up stream has collected on the edge of the stream banks & in the overflow.



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.

Water Quality
Stream Characterization Field Data Sheet

Date: <u>03/02/04</u>	Investigator(s): <u>Zak Hansted + Erik B. + Cheryl</u>	Site ID #: <u>4</u>
Time: <u>2:47</u>	Lat.:	Long:
Photo No(s):	Photo Notes:	

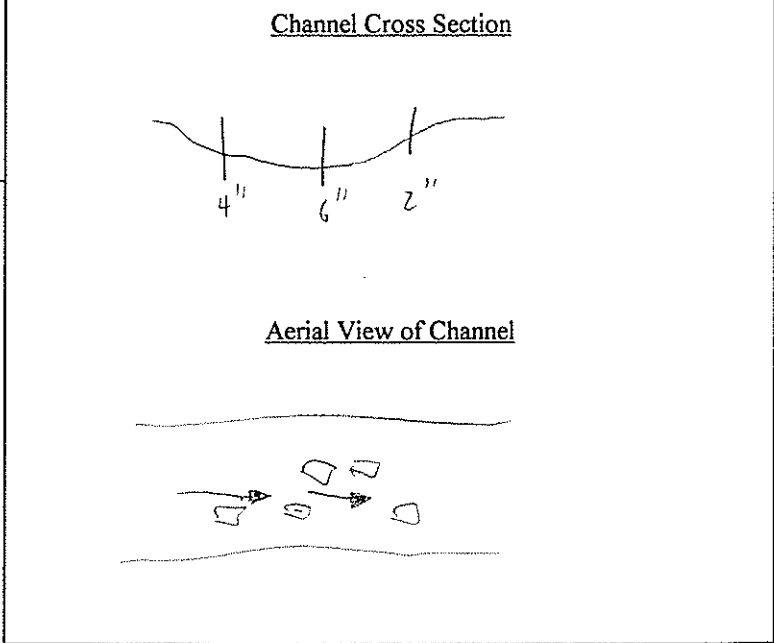
Drainage/Creek Name: San Antonio Creek
 Site Location: At confluence of Villanova + San Antonio Creeks; below Creek Rd. Bridge.
 General Flow Conditions: shallow, swiftly-moving flows; water clear
 Channel Morphology (include stream banks): wide, flat channel under bridge

Water Depth (3 cross sectional measurements in ft/in): 4" 6" 2" Average Depth (ft/in) 4" = 0.33 ft.
 Water Width (ft/in) 16ft. / 4in. = 16.33ft
 Stream Velocity ([100] feet / [?]second) 10ft / 9sec. = 1.11
 Discharge (CFS) 5.99
 Stream Habitat Type: Pool, Riffle, Run
 Inundated? Yes, No
 Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other bridge

Instream: _____
 Riparian Habitat: Alder willow riparian forest w/ Arundo + Mule Eat.
 Shading: The Bridge
 Substrate Composition: Gravels, Mostly Cobbles, Boulders + sand
 Particle Size Range: _____
 Approximate Area: _____

Potential Spawning? Yes, No
 pH (0-14): 7.84
 Dissolved Oxygen (mg/L & %): 5.50 mg/L, 53.4%
 Temperature (°C): 13.1°C
 Conductivity (µS or mS) 938 µS
 Specific Conductance (µS or mS) 1214 µS
 Salinity (ppt): 30 ppt.
 TDS (ppm): _____
 Hardness: _____
 Carbon Dioxide: 11 ppm
 Turbidity (NTUs): 03.3
 Coliform Bacteria: _____
 Other Observations: _____

Potential Rearing? Yes, No



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.
 \\ELROND\C-Etron\DMECJobs\Ventura\Ojai\City_of_Ojai\DFG_StreamsGrant\DFGStreamsGrant-StreamCharFieldDataForm.doc

Water Quality

Stream Characterization Field Data Sheet

Date: <u>10/20/04</u>	Investigator(s): <u>Zak H. + Erik B.</u>	Site ID #: <u>4</u>
Time: <u>11:55</u>	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: San Antonio Creek
 Site Location: Below Creek Rd. bridge. At confluence of Villanova + San Antonio Creeks.
 General Flow Conditions: consistently flowing water. Low turbidity level.

Channel Morphology (include stream banks): Rip-Rap (man-made) @ 2" side, and natural slope @ 3" side.

Water Depth (3 cross sectional measurements in ft/in): 2" 6" 3" Average Depth (ft/in) 3.7" = (0.31 ft)

Water Width (ft/in): 30'

Stream Velocity ([100] feet/[?]second) 10ft. / 6 sec. (100ft./60sec.)

Discharge (CFS) 15.50 1.67

Stream Habitat Type: Pool, Riffle, X Run

Inundated? X Yes, No

Cover Type: Over-hanging Vegetation, X Submerged Boulders, Logs, Root Wads, X Submerged Vegetation, Undercut Banks, X Other Bridge; Rip-Rap

Instream: Boulders, vegetation

Riparian Habitat: Alder, willow riparian forest w/ Arundo + mule fat

Shading: Bridge.

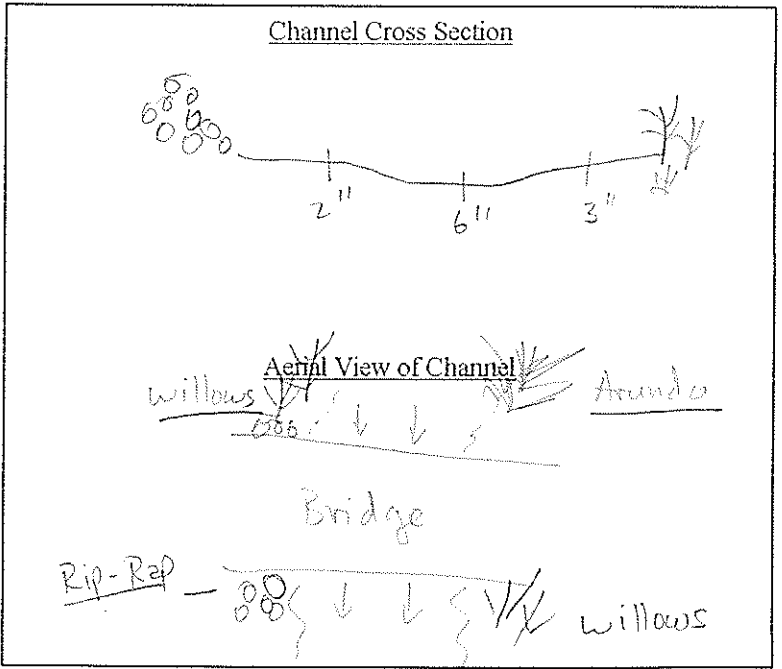
Substrate Composition: Rock, sand and soil.

Particle Size Range: Boulders, cobbles, pebbles, rocks, sand

Potential Spawning? X Yes, No

Potential Rearing? X Yes, No

- pH (0-14): 7.71
- Dissolved Oxygen (mg/L, %): 5.6 ppm
- Temperature (°C): 15.9°C
- Conductivity (µS or mS): 557.0 µs
- Specific Conductance (µS or mS):
- Salinity (ppt):
- TDS (ppm):
- Hardness:
- Carbon Dioxide: 10 ppm
- Turbidity (NTUs): 333
- Coliform Bacteria: positive
- Other Observations:



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.
 CADMEC\Jobs\Ventura\Ojai\City_of_Ojai\DFG_StreamsGrant\DFGStreamsGrant-StreamCharFieldDataForm.doc

~~Stream Characterization~~ and Water Quality Sampling Field Data Sheet

Date: 1-5-05	Investigator(s): Brian Holly / Zach Hanstad	Site ID #: 4
Time: 12:15 PM	Lat.: 34.42698°	Long: 119.25833°
Photo No(s): 170	Photo Notes: Picture taken to South	Waypoint #065

Drainage/Creek Name: San Antonio Creek
 Site Location: /
 General Flow Conditions: Strong flow

Channel Morphology (include stream banks): Overhanging vegetation
unnatural concrete/rock banks protecting bridge

Water Depth (3 cross sectional measurements in ft/in): 6" 14" 14" Average Depth (ft/in) 8" = 0.67ft
 Water Width (ft/in) 10-12' = 11'

Stream Velocity ([100] feet / [?] seconds) 10' in 5 sec. = 2.0
 Discharge (CFS) 14.74

Stream Habitat Type: Pool, Riffle, Run
 Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other

Instream: concrete spillway south of bridge, overhanging willow
 Riparian Habitat: willow, black walnut, sycamore, giant reed
 Shading: 60%

Substrate Composition: cobble, larger river rock
 Particle Size Range: cobble / silt

Potential Spawning? Yes, No
 Potential Rearing? Yes, No

pH (0-14): 7.97
 Dissolved Oxygen (mg/L, %): 10.57 mg/L, 95.3%
 Temperature (°C): 10.6°C
 Conductivity (indicate µS or mS): 553 µS
 Specific Conductance (indicate µS or mS): 767 µS
 Salinity (ppt): .4 ppt
 TDS (ppm): _____
 Hardness: _____
 Carbon Dioxide: 6 ppm
 Turbidity (NTUs): 0.03
 Coliform Bacteria: POS.
 Other Observations: _____

Channel Cross Section

Wildlife:
None observed

Aerial View of Channel

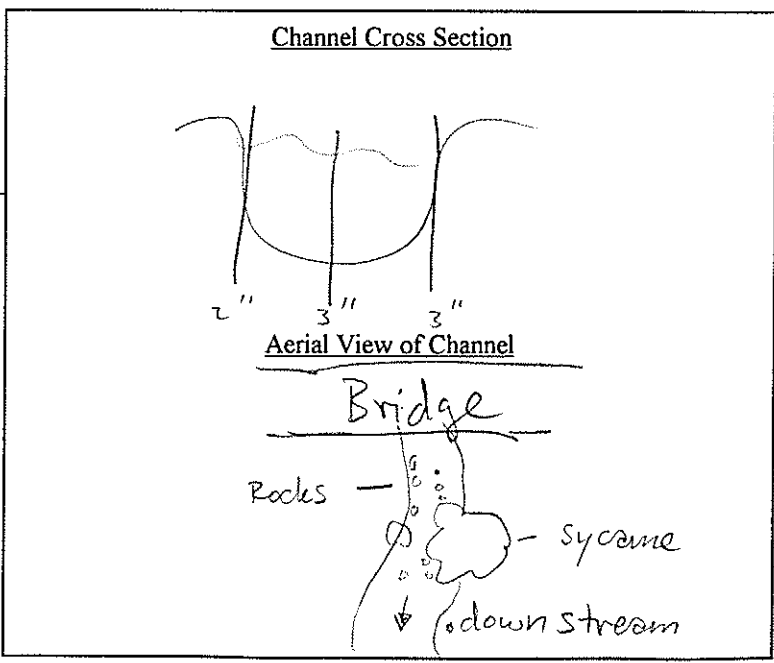
Water Quality
Stream Characterization Field Data Sheet

Date: <u>02/04/04</u>	Investigator(s): <u>Erik Blundell + Erik Blundell</u>	Site ID #: <u>5</u>
Time: <u>12:15</u>	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: San Antonio Creek
 Site Location: Fox Canyon Barranca below creek Rd. bridge @ narrow bridge.
 General Flow Conditions: A steady flow w/ little debris. A few pools of water have formed along the banks, but still continue the flow of water down-stream.
 Channel Morphology (include stream banks): A large Sycamore shades the area + has also shed a few large pieces of bark into the stream way.
 Water Depth (3 cross sectional measurements in ft/in): 2" 3" 3" Average Depth (ft/in) 2.7" = 0.88 ft
 Water Width (ft/in) 10' 10" = 10.83 ft
 Stream Velocity ([100] feet / [?] second) 10 ft / 12 sec. = 0.83
 Discharge (CFS) 1.98
 Stream Habitat Type: Pool, Riffle, Run
 Inundated? Yes, No
 Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads, Submerged Vegetation, Undercut Banks, Other
 Instream: A bit of foam has collected in the stream, probably from off of the bridge.
 Riparian Habitat: Ivy, wild grass, + a sycamore tree.
 Shading: The Sycamore tree shades approx. 80% of the area.
 Substrate Composition: Boulders, stones, pebbles.
 Particle Size Range: _____
 Approximate Area: _____

Potential Spawning? Yes, No
 pH (0-14): 7.83
 Dissolved Oxygen (mg/L & %): 9.47 mg/L & 93.7%
 Temperature (°C): 9.7°C
 Conductivity (µS or mS) 1034 µS
 Specific Conductance (µS or mS) 1464 µS
 Salinity (ppt): 0.20 ppt
 TDS (ppm): _____
 Hardness: _____
 Carbon Dioxide: 6 ppm
 Turbidity (NTUs): 3.1
 Coliform Bacteria: not tested
 Other Observations: Clear sunny day.

Potential Rearing? Yes, No



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.

Water Quality
Stream Characterization Field Data Sheet

Date: <u>02/23/04</u>	Investigator(s): <u>Zale Hansted + Erik Blundell</u>	Site ID #: <u>5</u>
Time: <u>1:58</u>	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: San Antonio Creek

Site Location: Below Confluence of Fox Baranca @ narrow bridge

General Flow Conditions: Consistently flows. A small amount of foam builds @ the top of the transect (below the bridge), and dissipates down

Channel Morphology (include stream banks): Boulders + stones middle the stream bed banks and overflow. Concrete reinforced boulders also hold together

Water Depth (3 cross sectional measurements in ft/in): 2" 5" 4" Average Depth (ft/in) 3.7" one side,

Water Width (ft/in) 14' 3" = 14.25ft

Stream Velocity ([100] feet / [?]second) 10ft / 9 sec. (1.1) conductivity: 972 us (0.3/ft)

Discharge (CFS) 4.91 specific conductance: 632 us

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads, Submerged Vegetation, Undercut Banks, Other A Sycamore tree

Instream: A few plants are imbedded (and growing) w/in the stones.

Riparian: Ivy and a Sycamore both sit @ the edge of the creek.

Shading: The sycamore provides approx. 70-75% shading of transect.

Substrate Composition: Boulders + stones.

Particle Size Range: _____

Approximate Area: _____

Potential Spawning? Yes, No

pH (0-14): 7.93

Potential Rearing? Yes, No

Dissolved Oxygen (mg/L, %): 7.52 mg/L ; 71.1%

Salinity (ppt): .20 ppt

Temperature (°C): 13.1°C

TDS (ppm): _____

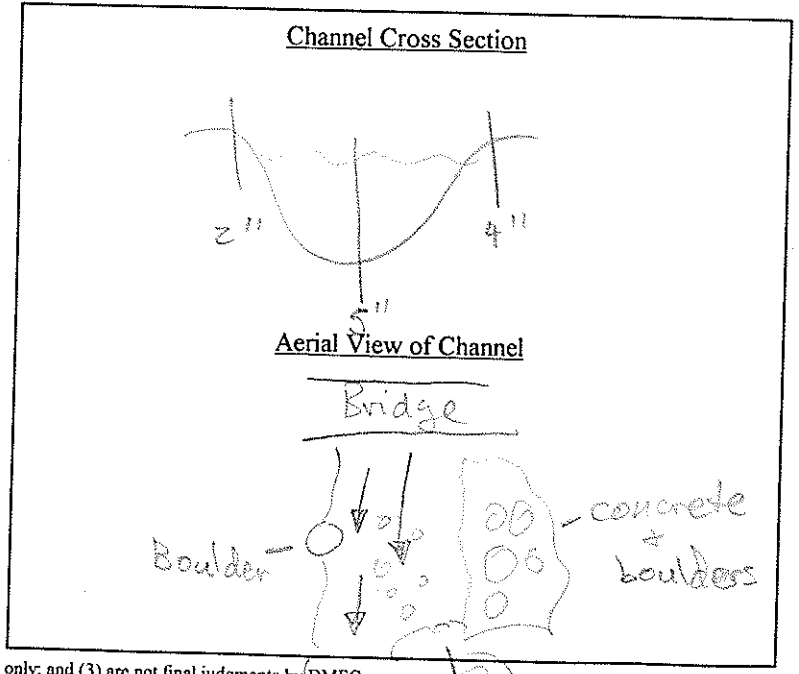
Hardness: _____

Carbon Dioxide: 11 ppm

Turbidity (NTUs): 0.64

Coliform Bacteria: _____

Other Observations: A warm + sunny day. A couple of large cumulus clouds shade the transect from the sun's rays, but enough light shines over the transect to warm it up a little bit.



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.

Pool of water
Sycamore

Water Quality
Stream Characterization Field Data Sheet

Date: <u>03/02/04</u>	Investigator(s): <u>Zak H., Erik B., Char B.</u>	Site ID #: <u>5</u>
Time: <u>3:25</u>	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: San Antonio Creek
 Site Location: Below small creek rd. bridge; below confluence of Fox Canyon Entrance
 General Flow Conditions: consistent flows; +/- clear water

Channel Morphology (include stream banks): Channel morph influenced by tree roots + upstream bridge.

Water Depth (3 cross sectional measurements in ft/in): 2" 5" 5" Average Depth (ft/in) 4" = 0.33 ft.

Water Width (ft/in) 15 ft / 0 in

Stream Velocity ([100] feet / [?]second) 10 ft. / 7 sec. = 1.43

Discharge (CFS) 7.07

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other

Instream:

Riparian Habitat: Sycamore, Oak Riparian Forest w/ blackberry dominance.

Shading: Partly by Sycamore.

Substrate Composition: Cobbles + Boulders.

Particle Size Range:

Approximate Area:

Potential Spawning? Yes, No

pH (0-14): 8.01

Dissolved Oxygen (mg/L & %): 6.35 mg/L; 60.0%

Temperature (°C): 12.6°C

Conductivity (µS or mS) 1112 µS

Specific Conductance (µS or mS) 1460 µS

Salinity (ppt): .70 ppt

TDS (ppm):

Hardness:

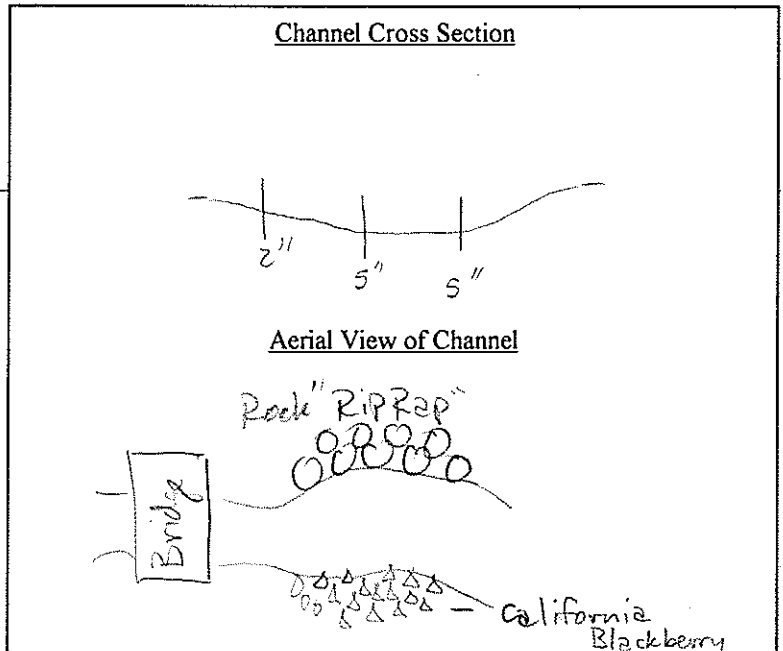
Carbon Dioxide: 9 ppm

Turbidity (NTUs): 06.0

Coliform Bacteria:

Other Observations: Transect w/ rip-rap banks - upstream bridge - downstream is natural banks A lot of "mat" algae.

Potential Rearing? Yes, No



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.

Water Quality

~~Stream Characterization~~ Field Data Sheet

Date: 10/20/04	Investigator(s): Zak H. + Eric B.	Site ID #: 5
Time: 12:45	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: San Antonio Creek
 Site Location: Below small creek rd. bridge.
 General Flow Conditions: Consistently flowing. Very low turbidity level

Channel Morphology (include stream banks): Channel morphology influenced by bridge, rip-rap and tree roots.

Water Depth (3 cross sectional measurements in ft/in): 4" 9" 5" Average Depth (ft/in) 6" = 0.5 ft.

Water Width (ft/in) (15')

Stream Velocity ([100] feet / [?] second) 10 ft. / 6 sec. (100ft./60 sec.)

Discharge (CFS) 12.50 = 1.67 ft

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other Rip-Rap; bridge.

Instream: foam, root wads, baggies (plastic), trash (paper)

Riparian Habitat: Sycamore / oak riparian forest w/ blackberry dominance

Shading: Partially by Sycamore (45%)

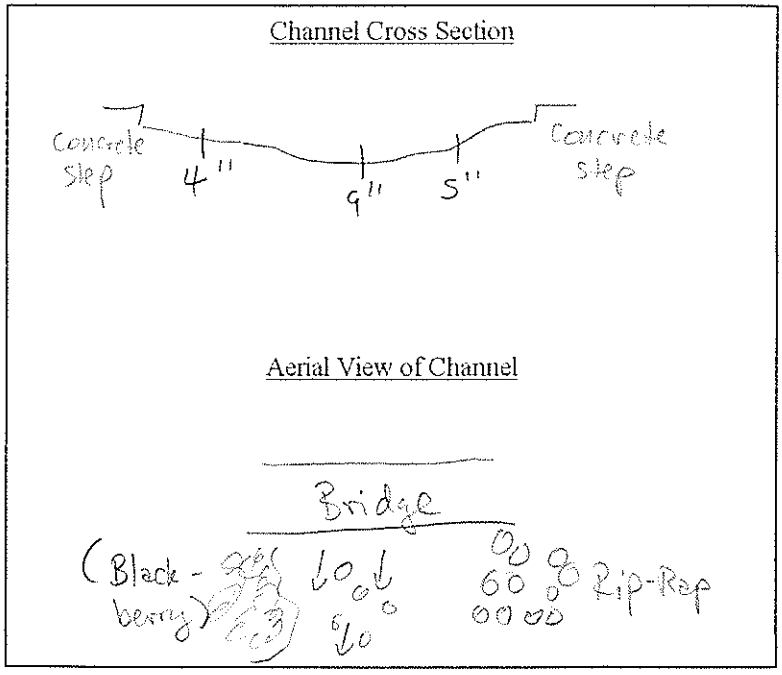
Substrate Composition: Rock + sand.

Particle Size Range: Boulders, cobbles

Potential Spawning? Yes, No

Potential Rearing? Yes, No

- pH (0-14): 7.53
- Dissolved Oxygen (mg/L, %): 9.6 ppm
- Temperature (°C): 14.4 °C
- Conductivity (µS or mS): 638.0 µS
- Specific Conductance (µS or mS): _____
- Salinity (ppt): _____
- TDS (ppm): _____
- Hardness: _____
- Carbon Dioxide: 12 ppm
- Turbidity (NTUs): 28.8
- Coliform Bacteria: positive
- Other Observations: _____



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.
 C:\DMEC\Jobs\Ventura\Ojai\City_of_Ojai\DFG_StreamsGrant\DFGStreamsGrant-StreamCharFieldDataForm.doc

~~Stream Characterization~~ and Water Quality Sampling Field Data Sheet

Date: 12-9-04	Investigator(s): Brian & Zak	Site ID #: 5
Time: 2:10	Lat.: 39.43498°	Long: 119.24768°
Photo No(s): 163	Photo Notes: Taken North	

Drainage/Creek Name: San Antonio Creek
 Site Location: Under narrow bridge, creek rd.
 General Flow Conditions: slow moving

Channel Morphology (include stream banks): Bridge to N., concrete with steep banks

Water Depth (3 cross sectional measurements in ft/in): 4 in 4 in 3 in Average Depth (ft/in) 3.67" =

Water Width (ft/in) (6 ft)

Stream Velocity ([100] feet / [?] seconds) 100 ft, in / 90 sec. = 1.11

(0.32 ft)

Discharge (CFS) 2.13

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
Submerged Vegetation, Undercut Banks, Other

Instream: car parts, tire

Riparian Habitat: Ivy, blackberry Sycamore dominated

Shading: 70%

Substrate Composition: cobble and silt

Particle Size Range: cobble - 2-6 in.

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 7.2

Dissolved Oxygen (mg/L, %): 2.22 mg/L

Temperature (°C): 11.3°C

Conductivity (indicate µS or mS): 1926 µS

Specific Conductance (indicate µS or mS): _____

Salinity (ppt): 4

TDS (ppm): _____

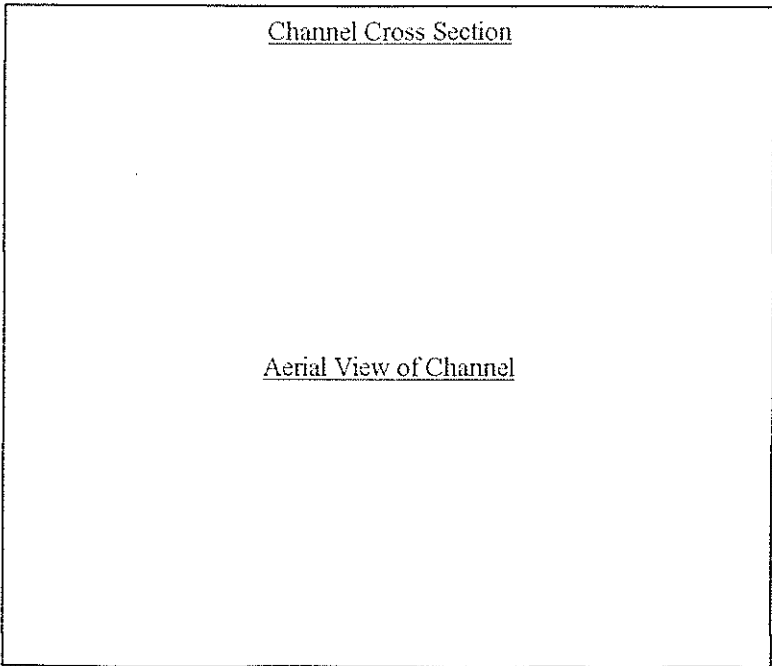
Hardness: _____

Carbon Dioxide: 11 ppm

Turbidity (NTUs): 1.2

Coliform Bacteria: positive

Other Observations: _____



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.
 C:\DMEC\Jobs\ Ventura\Ojai\City_of_Ojai\DFG_StreamsGrant\DFGStreamsGrant-StreamCharFieldDataForm.doc

~~Stream Characterization~~ and Water Quality Sampling Field Data Sheet

Date: 1-5-05	Investigator(s): Brian Holly / Zach Hanstad	Site ID #: 5
Time: 1:05 PM	Lat.: 34.43506	Long: 119.24766
Photo No(s): 169	Photo Notes: Taken to South	Waypoint # 066

Drainage/Creek Name: San Antonio Creek

Site Location: /

General Flow Conditions: somewhat strong flow / pools

Channel Morphology (include stream banks): Rock/cement bank on East side of channel holding bridge

Water Depth (3 cross sectional measurements in ft/in): 4" 8" 3" Average Depth (ft/in) 5" = 0.42 ft
12/3 = 5

Water Width (ft/in) 9'

Stream Velocity ([100] feet / [?] seconds) 10' in 6 sec. = 1.67

Discharge (CFS) 6.31

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other

Instream: Overhanging vegetation, some Mexican Fan Palms

Riparian Habitat: Sycamore, Live Oak

Shading: 60%

Substrate Composition: Larger river rock

Particle Size Range: silt and rock

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 8.11

Dissolved Oxygen (mg/L, %): 11.02 mg/L, 101.4%

Temperature (°C): 11.3°C

Conductivity (indicate µS or mS): 668 µS

Specific Conductance (indicate µS or mS): 905 µS

Salinity (ppt): 4 ppt

TDS (ppm): _____

Hardness: _____

Carbon Dioxide: 7 ppm

Turbidity (NTUs): 0.03

Coliform Bacteria: POS,

Other Observations: _____

Channel Cross Section

Wildlife:
None observed

Aerial View of Channel

These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.

Water Quality

Stream Characterization Field Data Sheet

Date: <u>02/04/04</u>	Investigator(s): <u>Zak Hansted & Erik Blundell</u>	Site ID #: <u>6</u>
Time: <u>12:34</u>	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: Stewart Cyn

Site Location: upstream from narrow bridge on Creeke Rd.

General Flow Conditions: A consistent flow. The water upstream from site #5 has no foam and maintains a consistent clarity.

Channel Morphology (include stream banks): The water maintains a consistent flow over and around the stones and boulders. The stream flows straight and does

Water Depth (3 cross sectional measurements in ft/in): 4" 6" 3" Average Depth (ft/in) 4.3" not morph from its path of origin.

Water Width (ft/in): 9'7" = 9.58ft.

Stream Velocity ([100] feet / [?] second) 10ft / 18 sec. = 0.56

Discharge (CFS) 1.91

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads, Submerged Vegetation, Undercut Banks, Other

Instream: Not too much natural debris, but a few nesting steel poles.

Riparian Habitat: Willows, Oaks + Ivy (ground cover)

Shading: Oak trees and willows.

Substrate Composition: Boulders, stones + pebbles

Particle Size Range: _____

Approximate Area: _____

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 7.64

Dissolved Oxygen (mg/L & %): 11.08 mg/L & 108.0%

Temperature (°C): 9.8°c

Conductivity (µS or mS) 844 µS

Specific Conductance (µS or mS) 1475 µS

Salinity (ppt): .10 ppt

TDS (ppm): _____

Hardness: _____

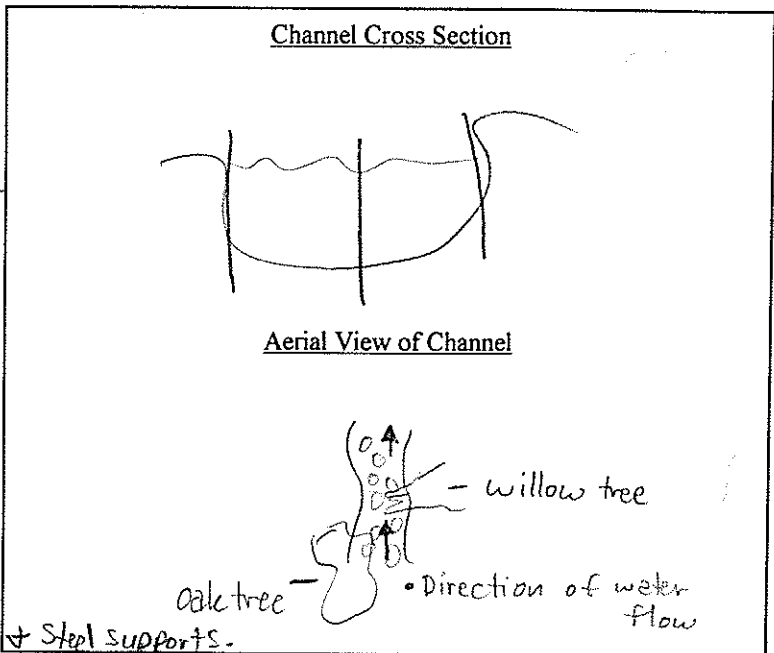
Carbon Dioxide: 12 ppm

Turbidity (NTUs): 3.1

Coliform Bacteria: tested positive

Other Observations: Clear sunny day.

⊗ A crib wall has been erected next to the stream to keep out large stones + boulders. The wall consists of metal boiling wire + steel supports.



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.

Water Quality
Stream Characterization Field Data Sheet

Date: <u>02/23/04</u>	Investigator(s): <u>Zak Hausler + Eric Blundell</u>	Site ID #: <u>6</u>
Time: <u>2:25</u>	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: Stewart Canyon crk

Site Location: Upstream of narrow bridge.

General Flow Conditions: consistently flows. A little amount of foam in the creek, but not too much; approx. 2-3% @ transect.

Channel Morphology (include stream banks): Ivy hangs along the banks @ one side + boulders and stones constitute the opposite side. The creek moves

Water Depth (3 cross sectional-measurements in ft/in): 4" 5" 6" Average Depth (ft/in) 5" evenly down

Water Width (ft/in) 8'0"

Stream Velocity ([100] feet / [?]second) 10ft / 15 sec

Discharge (CFS) 2.24 = 0.67

⊗ Conductivity: 1025 μS stream

⊗ specific Conductance: 1349 μS

⊗ Stream Habitat Type: Pool, Riffle, Run

⊗ Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
Submerged Vegetation, Undercut Banks, Other

Instream: Boulders, stones + natural leaf sheddings.

Riparian: willow, Ivy, oak trees + boulders and stones.

Shading: The oaks + willow trees. 60% covered.

Substrate Composition: _____

Particle Size Range: _____

Approximate Area: _____

⊗ Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 8.00

Dissolved Oxygen (mg/L, %): 7.27 mg/L; 69.9%

Salinity (ppt): .70 ppt

Temperature (°C): 13.3 °C

TDS (ppm): _____

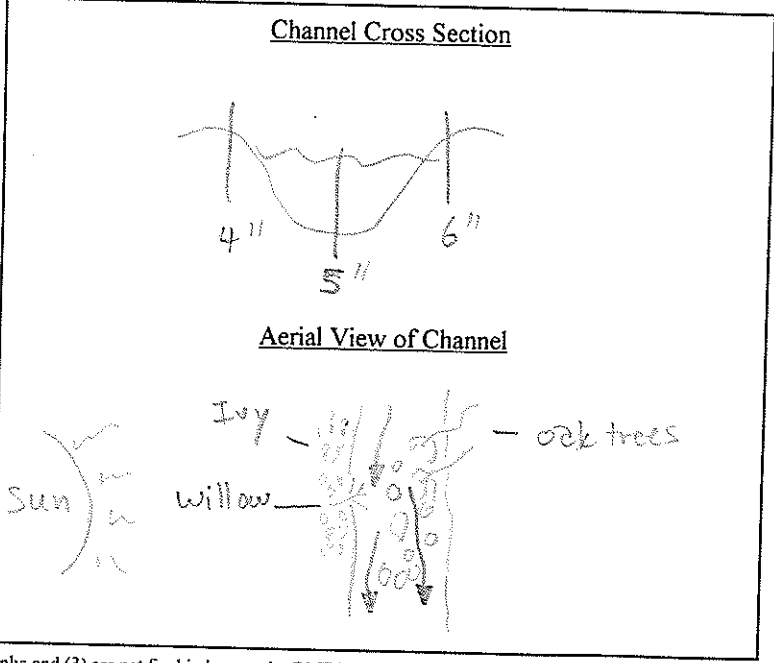
Hardness: _____

Carbon Dioxide: 7 ppm

Turbidity (NTUs): 06.1

Coliform Bacteria: _____

Other Observations: A sunny day w/ a few cumulus clouds over-head + the sun hidden by a group of oak trees on the hillside above. One bottle + a plastic bag in the overflow area.



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.

Water Quality
~~Stream Characterization~~ **Field Data Sheet**

Date: 03/02/04	Investigator(s): Zole H., Fike B., Chen B.	Site ID #: 6
Time: 3:40 pm	Lat:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: Stewart Canyon Crk.
 Site Location: Upstream of small creek rd. bridge.
 General Flow Conditions: water moving swiftly, clear

Channel Morphology (include stream banks): little meandering - channel very straight towards bridge downstream of transect.

Water Depth (3 cross sectional measurements in ft/in): 9" 12" 5" Average Depth (ft/in) 8.7" = 0.75 ft.

Water Width (ft/in) 10ft/11in = 10.92ft

Stream Velocity ([100] feet / [?]second) 10ft/16sec = 0.63

Discharge (CFS) 5.12

Stream Habitat Type: Pool, Riffle, Run At the end (by the bridge) a pool.

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
Submerged Vegetation, Undercut Banks, Other

Instream: _____

Riparian Habitat: Willow, Oak, Sycamore, Bay Riparian Forest w/ Perrywinkle + Blackberry

Shading: Mostly by oak trees.

Substrate Composition: Boulders + Mostly Cobbles.

Particle Size Range: _____

Approximate Area: _____

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 7.99

Dissolved Oxygen (mg/L & %): 6.30 mg/L; 57.5%

Temperature (°C): 12.6°c

Conductivity (µS or mS) 1118 µS

Specific Conductance (µS or mS) 1465 µS

Salinity (ppt): .60 ppt.

TDS (ppm): _____

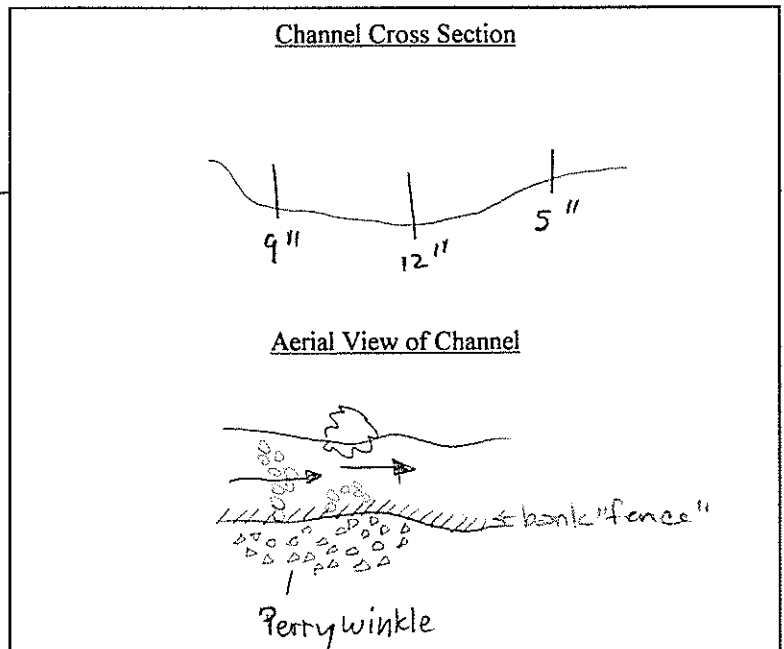
Hardness: _____

Carbon Dioxide: 10ppm

Turbidity (NTUs): 05.7

Coliform Bacteria: _____

Other Observations: A lot of blackberry + Perrywinkle. Perrywinkle - Highly Invasive. Palm Trees equally distributed.



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.

Water Quality Stream Characterization Field Data Sheet

Date: <u>10/20/04</u>	Investigator(s): <u>Erk 4. + Erk 3.</u>	Site ID #: <u>6</u>
Time: <u>1:00</u>	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: Stewart Canyon Crk.
 Site Location: Above Small Creeke Rd. Bridge.
 General Flow Conditions: Consistently flowing, somewhat Medium turbidity level.

Channel Morphology (include stream banks): Very straight toward bridge (downstream). Stream banks are deeply cut and man-made (4" side)

Water Depth (3 cross sectional measurements in ft/in): 9" 12" 4" Average Depth (ft/in) 9.3" - 0.69 ft

Water Width (ft/in) (12 ft)
 Stream Velocity ([100] feet / [?] second) 10ft. / 9 sec. (100ft. / 90 sec.)

Discharge (CFS) 9.20 = 1.11

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other Metal grate retaining wall

Instream: Foam, balls.

Riparian Habitat: Willow, oak, Sycamore Riparian forest w/ Pennywinkle + Blackberry

Shading: Mostly by Oak trees.

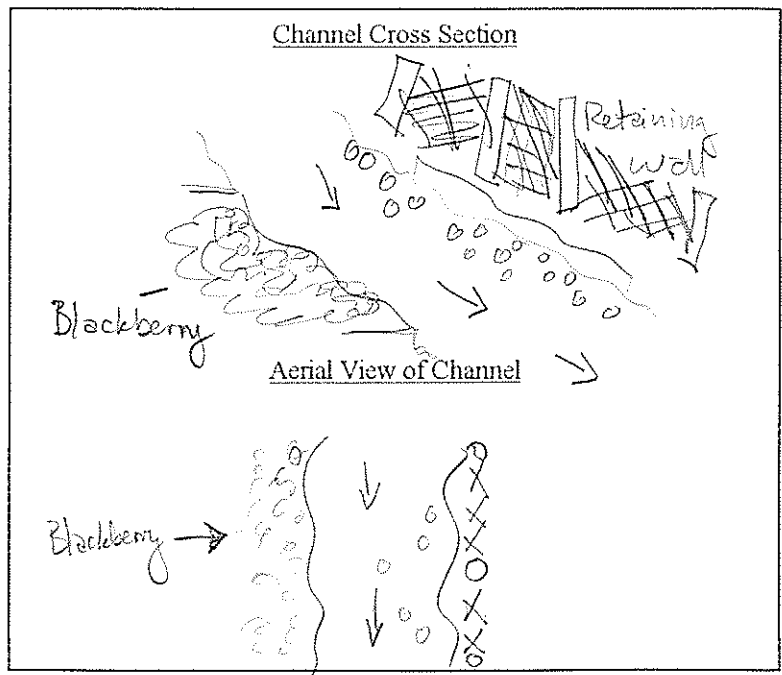
Substrate Composition: Rocks + Sand. Also, soil and plant foliage.

Particle Size Range: Boulders + cobbles.

Potential Spawning? Yes, No

Potential Rearing? Yes, No

- pH (0-14): 7.55
- Dissolved Oxygen (mg/L, %): 8.8 ppm
- Temperature (°C): 15.3°c
- Conductivity (µS or mS): 680.0 µs
- Specific Conductance (µS or mS): _____
- Salinity (ppt): _____
- TDS (ppm): _____
- Hardness: _____
- Carbon Dioxide: 13 ppm
- Turbidity (NTUs): 35.5
- Coliform Bacteria: positive
- Other Observations: _____



~~Stream Characterization~~ and Water Quality Sampling Field Data Sheet

Date: 1-5-05	Investigator(s): Brian Holly / Zach Hanstad	Site ID #: 6
Time: 1:30 PM	Lat.: 34.43544°	Long: 119.24766°
Photo No(s): 108	Photo Notes: Taken to North	Waypoint # 067

Drainage/Creek Name: Stewart Canyon Ck.

Site Location: /

General Flow Conditions: slow moving, pools

Channel Morphology (include stream banks): unnatural metal fencing holding road shoulder, natural rock bank to west

Water Depth (3 cross sectional measurements in ft/in): 3' 3' 2' Average Depth (ft/in) 2.67'

Water Width (ft/in) 9' $\frac{3}{3} =$

Stream Velocity ([100] feet / [?] seconds) 10' in 15 sec. = 0.67

Discharge (CFS) 16.10

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads, Submerged Vegetation, Undercut Banks, Other

Instream: No moss coverage, overhanging palms, English Ivy, Trash

Riparian Habitat: Coast live Oak, Arroyo Willow, Sycamore

Shading: 80%

Substrate Composition: silt, cobble, river rock

Particle Size Range: mostly larger rocks

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 8.02

Dissolved Oxygen (mg/L, %): 10.46 mg/L, 94.7%

Temperature (°C): 11.5°C

Conductivity (indicate µS or mS): 675 µS

Specific Conductance (indicate µS or mS): 910 µS

Salinity (ppt): .5 ppt

TDS (ppm): _____

Hardness: _____

Carbon Dioxide: 9 ppm

Turbidity (NTUs): 003

Coliform Bacteria: pos.

Other Observations: _____

Channel Cross Section

Habitat: None observed

Aerial View of Channel

Water Quality
~~Stream Characterization~~ Field Data Sheet

Date: 02/04/04	Investigator(s): Zak Hausted & Eric Blundell	Site ID #: 7
Time: 1:05	Lat.:	Long:
Photo No(s):	Photo Notes: Ojai	

Drainage/Creek Name: Stewart Canyon Creek

Site Location: On S. Montgomery St. behind tennis courts @ Libby Park.

General Flow Conditions: The water trickles in some areas + runs slowly down the center.

Channel Morphology (include stream banks): Vegetation in all of the stream (overhang + adhering to the stream bed).

Water Depth (3 cross sectional measurements in ft/in): 1" 5" 6" Average Depth (ft/in) 4" = 0.33 ft.

Water Width (ft/in): 3 ft 3' 0"

Stream Velocity ([100] feet / [?] second) 5 ft / 9 sec. = 0.55

Discharge (CFS) 0.54

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads, Submerged Vegetation, Undercut Banks, Other

Instream: The ground cover + stones mix in w/ the water flow.

Riparian Habitat: Oak trees, ground cover, palm trees, wild grass.

Shading: Oak trees shade the transect approx. 95%.

Substrate Composition: Boulders, stones + sediment.

Particle Size Range: _____

Approximate Area: _____

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 7.60

Dissolved Oxygen (mg/L & %): 10.7 mg/L & 101.0%

Temperature (°C): 13 °C

Conductivity (µS or mS) 407 µS

Specific Conductance (µS or mS) 585 µS

Salinity (ppt): .40 ppt

TDS (ppm): _____

Hardness: _____

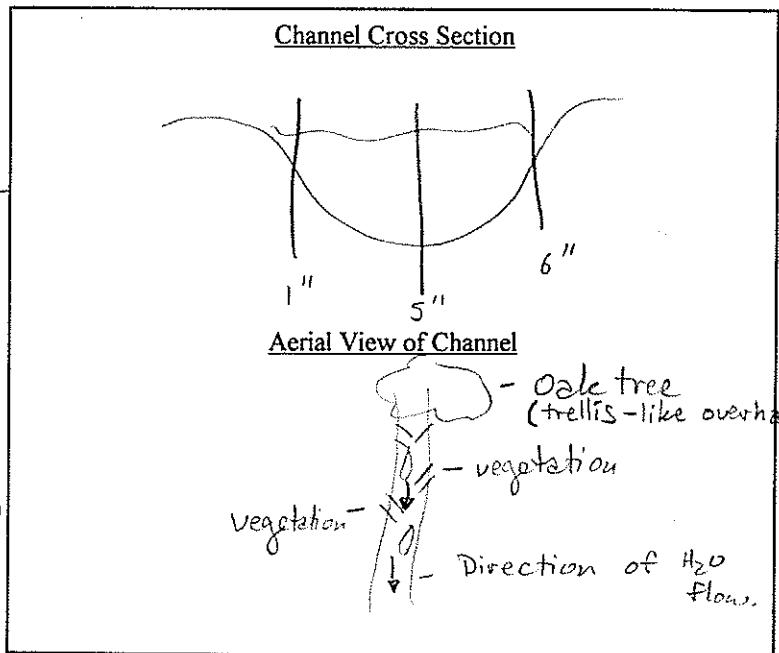
Carbon Dioxide: 11 ppm

Turbidity (NTUs): 3.8

Coliform Bacteria: not tested

Other Observations: Clear Sunny Day

A few cumulus clouds (white) only were lingering about. (3) Debris consists of a malt liquor 40oz bottle + natural tree fallings.



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.

Water Quality
Stream Characterization Field Data Sheet

Date: <u>02/23/04</u>	Investigator(s): <u>Zak Mausted + Erik Blundell</u>	Site ID #: <u>7</u>
Time: <u>3:30</u>	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: Stewart Canyon Creek

Site Location: Next to Libby Park Tennis Courts (Lower) on Mont.

General Flow Conditions: Consistently flows. The green stalky plant hinders st. the constant flow of the creek.

Channel Morphology (include stream banks): A gradual decline from the riparian region to the stream bed.

Water Depth (3 cross sectional measurements in ft/in): 2" 4" 3" Average Depth (ft/in) 3.0" = 0.25 ft.

Water Width (ft/in) 5'0"

Stream Velocity ([100] feet / [?]second) 1 ft / 3.5 sec

Discharge (CFS) 0.09 (0.07)

Ⓜ Conductivity: out of range

Ⓜ Specific Conductance: 1331 μ S

Ⓜ Stream Habitat Type: Pool, Riffle, Run

Ⓜ Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other A Palm Tree

Instream: A thick stalked green plant, which was attached to bottom.

Riparian: wild grass, Ivy, Palm tree + thick stalked green plant.

Shading: 100% by Highly Elevated Oak Trees

Substrate Composition: Boulders + Stones

Particle Size Range: _____

Approximate Area: _____

Ⓜ Potential Spawning? Yes, No

pH (0-14): 7.54

Potential Rearing? Yes, No

Dissolved Oxygen (mg/L, %): 6.62 mg/L; 62.1%

Salinity (ppt): 0.70 ppt

Temperature (°C): 15°C

TDS (ppm): _____

Hardness: _____

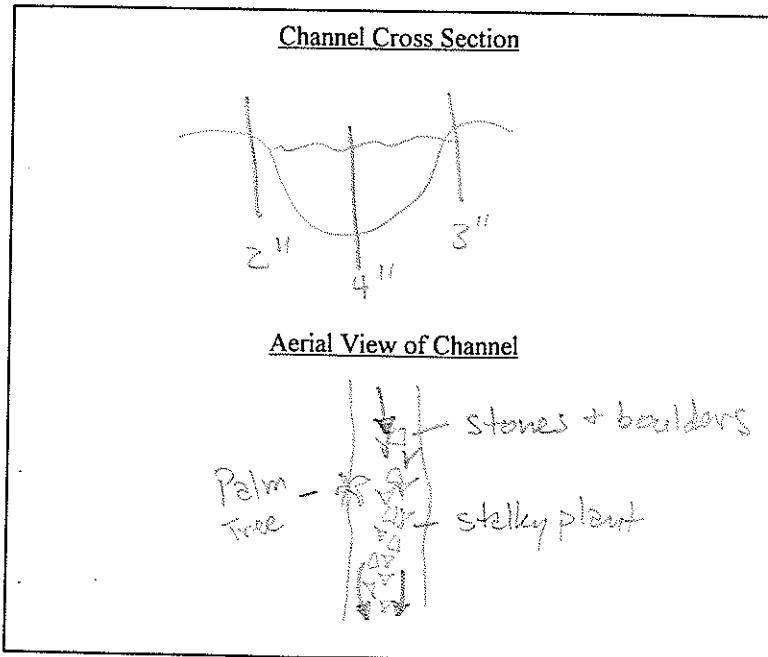
Carbon Dioxide: 9 ppm

Turbidity (NTUs): 02.8

Coliform Bacteria: _____

Other Observations: A cool sunny day.

Waste deposits: Styrofoam plastic + aluminum containers lies on the up hill region from the creek.



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.

Water Quality
Stream Characterization Field Data Sheet

Date: <u>3 Mar 04</u>	Investigator(s): <u>Erik B, Cher B.</u>	Site ID #: <u>7</u>
Time: <u>11:30 am</u>	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: Stewart Canyon Creek

Site Location: S. Montgomery St. at Tennis Courts

General Flow Conditions: Consistent flow - channelized into culvert downstream of transect @ Montgomery.

Channel Morphology (include stream banks): straight - no meandering

Water Depth (3 cross sectional measurements in ft/in): 5" 9" 4" Average Depth (ft/in) 6" = 0.5 ft.

Water Width (ft/in) 5'2" = (5.17 ft)

Stream Velocity ([100] feet / [?] second) 10 ft / 20 sec = 0.5

Discharge (CFS) 0.04

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other

Instream: _____
Riparian: highly disturbed Quercus ag. willows, periwinkle, ornamentals
Shading: by oak trees above.

Substrate Composition: gravels, cobbles, boulders

Particle Size Range: _____

Approximate Area: _____

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 7.67

Dissolved Oxygen (mg/L, %): 4.03, 38.9%

Salinity (ppt): 0.2

Temperature (°C): 14.2

TDS (ppm): _____

Hardness: _____

Carbon Dioxide: 21 ppm

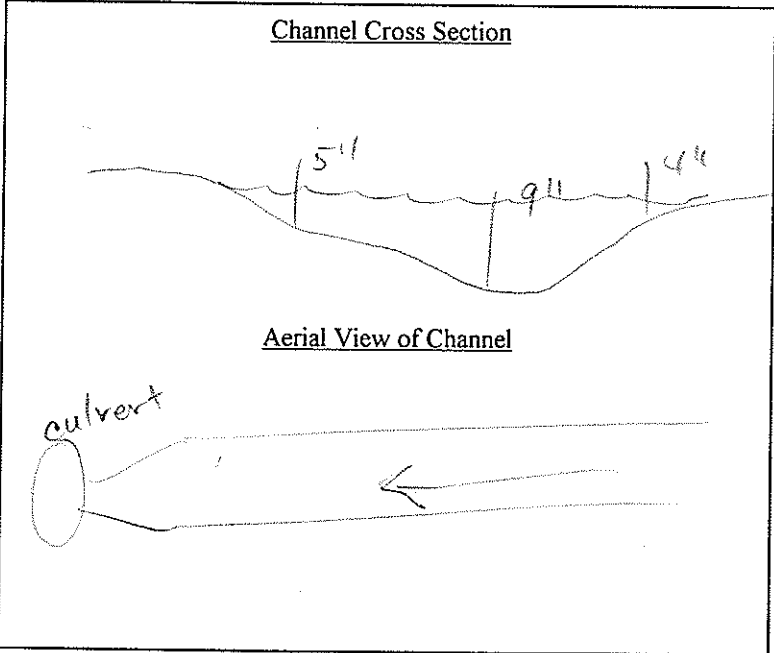
Turbidity (NTUs): 03.0

Coliform Bacteria: _____

Other Observations: _____

Conductivity: 1087

Specific Conductance: 1371



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.

Water Quality

Stream Characterization Field Data Sheet

Date: <u>10/20/04</u>	Investigator(s): <u>Zak H. + Erik B.</u>	Site ID #: <u>7</u>
Time: <u>1:28</u>	Lat: _____	Long: _____
Photo No(s): _____	Photo Notes: _____	

Drainage/Creek Name: Stewart Canyon Creek

Site Location: S. Montgomery St. @ Libben Tennis Courts

General Flow Conditions: Consistently flowing, High turbidity level. Very narrow stream bed; runs directly towards the culvert.

Channel Morphology (include stream banks): Naturally created banks. Slowly rising out-sloping banks.

Water Depth (3 cross sectional measurements in ft/in): 5" 9" 4" Average Depth (ft/in) 6" = 0.50 ft

Water Width (ft/in) 5'(ft)

Stream Velocity ([100] feet / [?]second) 10ft. / 8 sec. (100ft. / 80 sec.)

Discharge (CFS) 3.13 = 1.25

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other _____

Instream: Plant foliage; boulders; tree limbs.

Riparian Habitat: Highly disturbed: Quercus, periwinkle, invasive ornamentals, palm trees.

Shading: By high oak trees above.

Substrate Composition: Rocks, sand and soil.

Particle Size Range: Boulders, cobbles, pebbles

Potential Spawning? Yes, No Potential Rearing? Yes, No

pH (0-14): 7.24

Dissolved Oxygen (mg/L, %): 10.0 ppm

Temperature (°C): 16.1 °C

Conductivity (µS or mS): 1062.0 µS

Specific Conductance (µS or mS): _____

Salinity (ppt): _____

TDS (ppm): _____

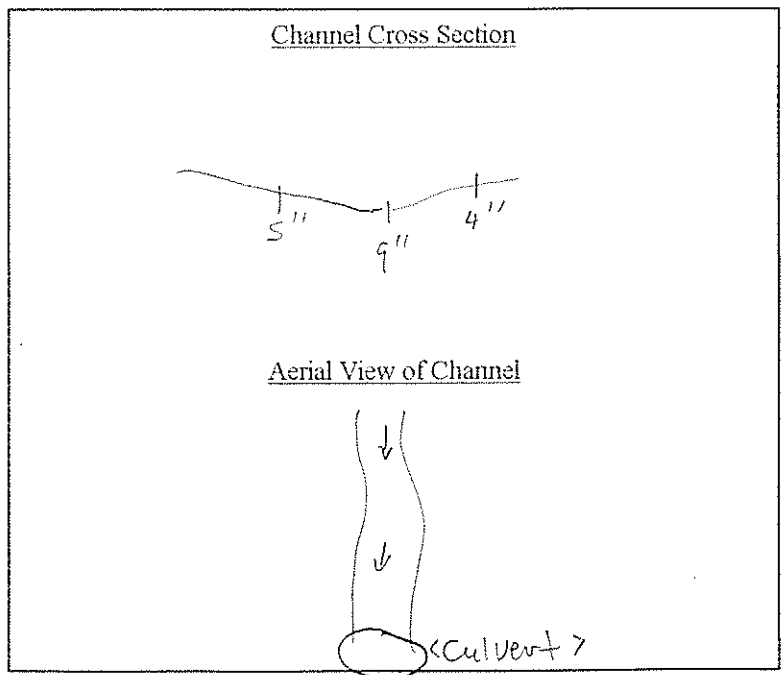
Hardness: _____

Carbon Dioxide: 21 ppm

Turbidity (NTUs): 3.85

Coliform Bacteria: positive

Other Observations: _____



Good:
Willows

~~Stream Characterization~~ and Water Quality Sampling Field Data Sheet

Date: 1-5-05	Investigator(s): Brian Holly / Zach Hanstad	Site ID #: 7
Time: 2:20 PM	Lat.: 34.44402° Long: 119.24389°	Elev. ft.:
Photo No(s): 166	Photo Notes: Photo taken to North	Waypoint # 009

Drainage/Creek Name: Ojai Creek
 Site Location: /
 General Flow Conditions: Slow moving

Channel Morphology (include stream banks): Natural drainage / possible spring to North

Water Depth (3 cross sectional measurements in ft/in): 2" 3" 2" Average Depth (ft/in) 2.33 = 7/3 = 0.19 ft
 Water Width (ft/in): 4'

Stream Velocity ([100] feet / [?] seconds) 10' in 9 sec = 1.11

Discharge (CFS) 0.84

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other

Instream: Root wads, overhanging English Ivy, Morning-glory

Riparian Habitat: Coast Live Oak, Black Walnut, Willow, Mex. Fan Palms

Shading: 70-80%

Substrate Composition: silt and rock

Particle Size Range: mostly silt

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 7.56

Dissolved Oxygen (mg/L, %): 8.55 mg/L, 82.1%

Temperature (°C): 13.4°C

Conductivity (indicate µS or mS): 1145 µS

Specific Conductance (indicate µS or mS): 1474 µS

Salinity (ppt): 7 ppt

TDS (ppm): _____

Hardness: _____

Carbon Dioxide: 17 ppm

Turbidity (NTUs): 0.02

Coliform Bacteria: POS

Other Observations: Heavy noise pollution from road / Tennis courts / construction etc.

Channel Cross Section

Wildlife:
Scrub-jay in oak canopy

Aerial View of Channel

Water Quality
~~Stream Characterization~~ Field Data Sheet

Date: 07/04/04	Investigator(s): Zak Hausted & Erik Blundell	Site ID #: 8
Time: 1:20	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: Fox Canyon Barranca
 Site Location: Behind the tennis courts of Libby Park.
 General Flow Conditions: The stream holds a good strong consistent flow in and around the debris.

Channel Morphology (include stream banks): The stream bends + twists from underneath the bridge, and then settles into a natural wide deluge.

Water Depth (3 cross sectional measurements in ft/in): 2" 5" 3" Average Depth (ft/in) 3.3" = 0.28ft

Water Width (ft/in) 3' 5" = 3.42ft

Stream Velocity ([100] feet / [?]second) 10 ft / 13 sec. = 0.77

Discharge (CFS) 0.74

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other

Instream: The only debris comes from sycamore leaves.

Riparian Habitat: Oak trees, Ivy (ground cover), palm trees + sycamore trees, + willows

Shading: The Oaks shade the transect approx. 95%.

Substrate Composition: Stones + pebbles w/ a small amount of sediment.

Particle Size Range: _____

Approximate Area: _____

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 7.57

Dissolved Oxygen (mg/L & %): 11.65 mg/L & 110.6%

Temperature (°C): 12.3 °C

Conductivity (µS or mS) 190.5 µS

Specific Conductance (µS or mS) 1320 µS

Salinity (ppt): .10 ppt

TDS (ppm): _____

Hardness: _____

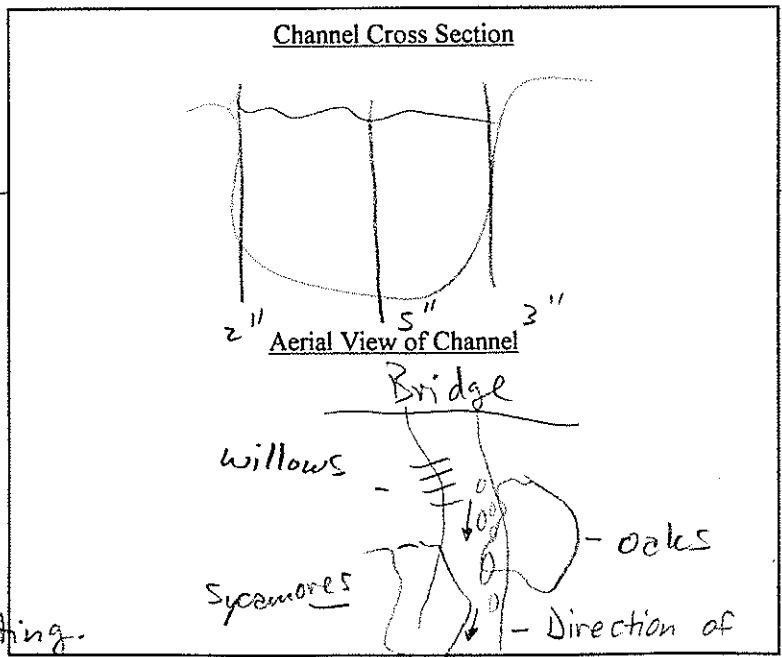
Carbon Dioxide: 11 ppm

Turbidity (NTUs): 3.4

Coliform Bacteria: not tested

Other Observations: Clear sunny day.

Debris consists of a broken slate-board deck, glass bottles + concrete chunks. A little bit of foam was forming + quickly dissipating.



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.

Water Quality
Stream Characterization Field Data Sheet

Date: <u>02/23/04</u>	Investigator(s): <u>Zak Hensted + Erik Blundell</u>	Site ID #: <u>8</u>
Time: <u>3:00</u>	Lat.:	Long:
Photo No(s).:	Photo Notes:	

Drainage/Creek Name: Fox Canyon Berranca

Site Location: Nex + to bridge² over pass @ corner of Mont. St. + Buckboard

General Flow Conditions: consistently flows. The channel allows the water to move quickly downstream in a single direction.

Channel Morphology (include stream banks): Ivy and Mule Fat line the banks. Stones + pebbles protrude from the riparian region + stream banks.

Water Depth (3 cross sectional measurements in ft/in): 3" 6" 2" Average Depth (ft/in) 3.7" = 0.31 ft.

Water Width (ft/in): 5'2" = (5.17ft)

Stream Velocity ([100] feet / [?]second): 10ft / 9 sec. = 1.11 (3) Conductivity: out of range

Discharge (CFS): 1.78 (3) Specific Conductance: out of range

(3) Stream Habitat Type: Pool, Riffle, X Run

(3) Inundated? X Yes, No

Cover Type: X Over-hanging Vegetation, X Submerged Boulders, Logs, Root Wads,
Submerged Vegetation, Undercut Banks, X Other Trees oaks

Instream: Pebbles, stones + Boulders.

Riparian: Ivy, Mule Fat, Palm trees, and oak trees

Shading: oak trees over transect.

Substrate Composition: Pebbles, Stones + Boulders

Particle Size Range: _____

Approximate Area: _____

(3) Potential Spawning? Yes, X No

Potential Rearing? Yes, X No

pH (0-14): 7.50

Dissolved Oxygen (mg/L, %): 4.68 / 67.6%

Salinity (ppt): .10 ppt

Temperature (°C): 14.4 °C

TDS (ppm): _____

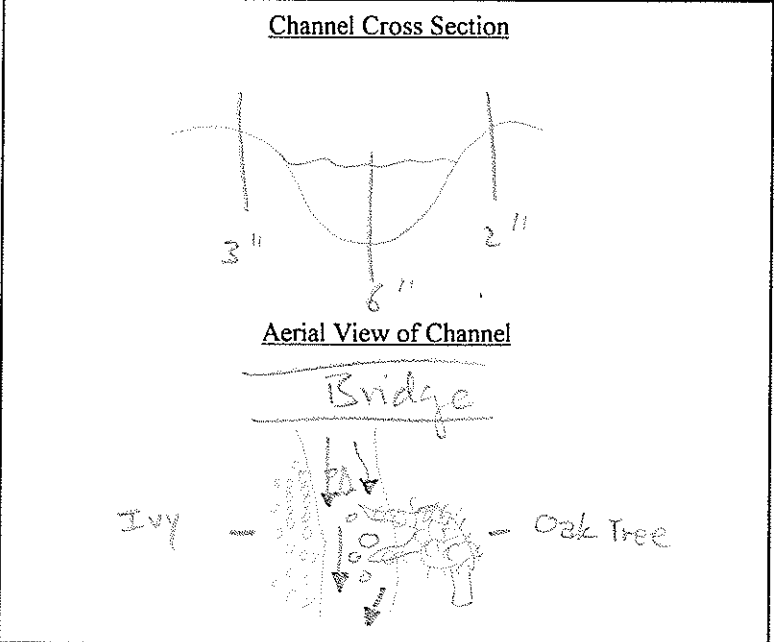
Hardness: _____

Carbon Dioxide: 20 ppm

Turbidity (NTUs): 07.8

Coliform Bacteria: _____

Other Observations: A cool sunny day. The cumulus clouds have shrouded the sun. A little amount of foam built down stream, and carries itself further down stream.



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.

Water Quality
Stream Characterization Field Data Sheet

Date: <u>3 March 04</u>	Investigator(s): <u>Eric B., Cher B.</u>	Site ID #: <u>8</u>
Time: <u>11:00 am</u>	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: Fox Canyon Baranca
 Site Location: Buckboard & South Montgomery Sts
 General Flow Conditions: Consistent flow, upstream is bridge w/ concrete creek bottom

Channel Morphology (include stream banks): _____

Water Depth (3 cross sectional measurements in ft/in): 2" 4" 1" Average Depth (ft/in) 2.3" = 0.19 ft.

Water Width (ft/in) 8'

Stream Velocity ([100] feet / [?] second) 10ft/10sec. = ①

Discharge (CFS) 1.52

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other _____

Instream: _____

Riparian: Highly disturbed - Oak, Palms, willow, syc., Periwinkle, Blackberry

Shading: By trees

Substrate Composition: Cobbles + gravel, w/ cement boulders scattered about

Particle Size Range: _____

~~Approximate Area:~~ _____

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 7.75

Dissolved Oxygen (mg/L, %): 3.70, 34.3%

Salinity (ppt): 0.5

Temperature (°C): 13.3

TDS (ppm): _____

Hardness: _____

Carbon Dioxide: 16 ppm

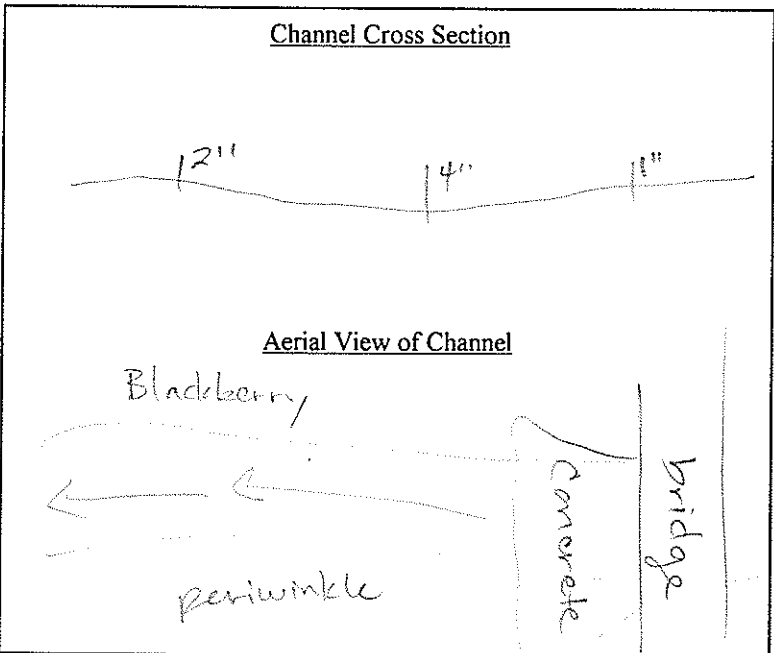
Turbidity (NTUs): 03.5

Coliform Bacteria: _____

Other Observations: _____

Conductivity: 1185

Specific Conductance: 1529



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.

Water Quality
~~Stream Characterization~~ Field Data Sheet

Date: 10/20/04	Investigator(s): Zak H. & Erik B.	Site ID #: 8
Time: 1:20	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: Fox Canyon Barrance.
 Site Location: Buckboard + South Montgomery St.
 General Flow Conditions: Consistently flowing. Low Turbidity.

Channel Morphology (include stream banks): Low stream beds - Morphology: flows from one pocket to the next.

Water Depth (3 cross sectional measurements in ft/in): 2" 6" 2" Average Depth (ft/in) 3.3" (3 3/10")
= 0.28 ft

Water Width (ft/in) 5'

Stream Velocity ([100] feet / [?] second) 100ft. / 8 sec. (100ft. / 80 sec.)

Discharge (CFS) 1.75 = 1.25

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other Bridge

Instream: Concrete blocks, trash, foam, tree roots.

Riparian Habitat: Highly disturbed: Palm trees, Pinyon, Blackberry.

Shading: Willows, alders.

Substrate Composition: Rocks + Sand.

Particle Size Range: Cobbles, pebbles.

Potential Spawning? Yes, No

Potential Rearing? Yes, No

○ pH (0-14): 7.35

Dissolved Oxygen (mg/L, %): 7.6 ppm

○ Temperature (°C): 15.8°C

○ Conductivity (µS or mS): 671.0 µS

Specific Conductance (µS or mS): _____

Salinity (ppt): _____

TDS (ppm): _____

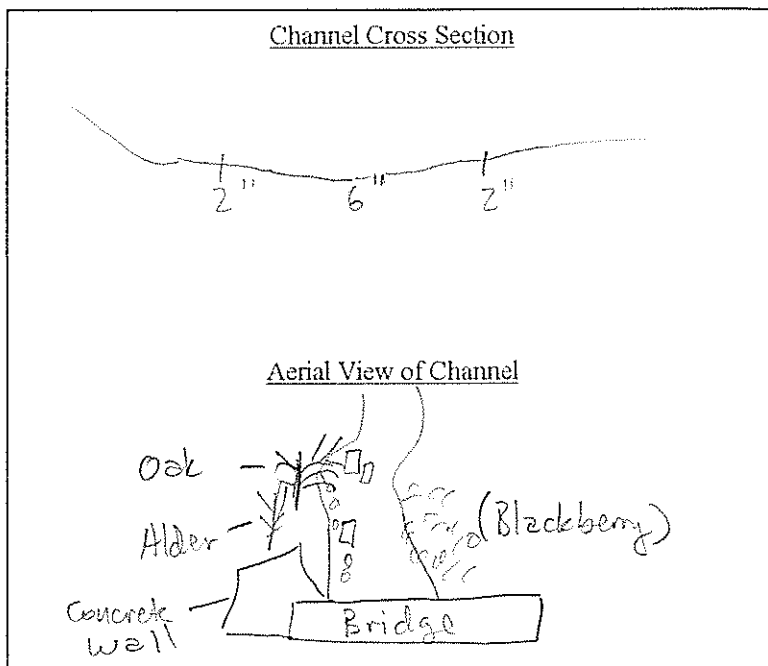
Hardness: _____

Carbon Dioxide: 13 ppm

Turbidity (NTUs): 56.4

Coliform Bacteria: positive

Other Observations: _____



~~Stream Characterization and~~ Water Quality Sampling Field Data Sheet

Date: 2-30 12-9-09	Investigator(s): Brian & Zak	Site ID #: 8	WP 61
Time: 2:30	Lat.: 34.4423°	Long: 119.24559°	
Photo No(s): 147	Photo Notes: Taken to north east		

Drainage/Creek Name: Fox canyon

Site Location: Buck board and S. Montgomery

General Flow Conditions: Flowing consistently

Channel Morphology (include stream banks): Unnatural concrete spill-way
under bridge

Water Depth (3 cross sectional measurements in ft/in): 1" 3" 1" Average Depth (ft/in) $\frac{1.67}{3} = 0.56$

Water Width (ft/in) 2.5 ft

Stream Velocity ([100] feet / [?] seconds) 100 ft in 110 sec. = 0.91

Discharge (CFS) 0.32

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
Submerged Vegetation, Undercut Banks, Other

Instream: silt, leaf litter, concrete

Riparian Habitat: Willow, Live Oak, Sycamore - Non-native → palms

Shading: 80%

Substrate Composition: silt / cobble, mostly river rock

Particle Size Range:

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14):

Dissolved Oxygen (mg/L, %): 8.35 mg/l

Temperature (°C): 12.9°C

Conductivity (indicate µS or mS): 1319 µS

Specific Conductance (indicate µS or mS):

Salinity (ppt): .1

TDS (ppm):

Hardness:

Carbon Dioxide: 17 ppm

Turbidity (NTUs): 3.4

Coliform Bacteria: positive

Other Observations:

Channel Cross Section

Aerial View of Channel

~~Stream Characterization~~ and Water Quality Sampling Field Data Sheet

Date: 1-5-05	Investigator(s): Brian Holly / Zach Haustad	Site ID #: 8
Time: 2:00 PM	Lat.: 34.44190°	Long: 119.24506°
Photo No(s): 167	Photo Notes: Photo taken to south	Waypoint # 068

Drainage/Creek Name: Fox Canyon Barranca

Site Location: /

General Flow Conditions: somewhat strong flow

Channel Morphology (include stream banks): Unnatural cement bank holding bridge. Cement spillway under bridge

Water Depth (3 cross sectional measurements in ft/in): 4" 5" 3" Average Depth (ft/in) $12/3 = 4$

Water Width (ft/in) (5')

Stream Velocity ([100] feet / [?] seconds) 10' in 7 sec. = 1.43

Discharge (CFS) 2.36

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads, Submerged Vegetation, Undercut Banks, Other

Instream: No moss on banks or rocks, root balls under water, Trash

Riparian Habitat: Coast Live Oak, Willow, Sycamore, Mexican Fan Palms, Ivy

Shading: 70%

Substrate Composition: silt, river rock

Particle Size Range: mostly concrete and river rock

Potential Spawning? Yes, No Potential Rearing? Yes, No

pH (0-14): 7.83

Dissolved Oxygen (mg/L, %): 10.24 mg/L, 94.4%

Temperature (°C): 11.6°C

Conductivity (indicate µS or mS): 904 µS

Specific Conductance (indicate µS or mS): 1117 µS

Salinity (ppt): .5 ppt

TDS (ppm):

Hardness:

Carbon Dioxide: 11 ppm

Turbidity (NTUs): 0.03

Coliform Bacteria: POS.

Other Observations:

Channel Cross Section

Habitat:
House Finch in willow canopy
Song birds heard to south

Aerial View of Channel

Water Quality
Stream Characterization Field Data Sheet

Date: 02/04/04	Investigator(s): Zak Hausted + Erik Blundell	Site ID #: 9
Time: 9:05 a.m.	Lat.:	Long:
Photo No(s):	Photo Notes: The area has much debris (leaves + sticks), we gathered this sample in the shade of a bridge.	

Drainage/Creek Name: Arbolata Creek

Site Location: On the corner of Bristol Rd. + Ojai Ave.

General Flow Conditions: In the middle of the stream the water ran smoothly, but not quickly. The stream retained a steady trickle above our location + moved more rapidly below our station.

Channel Morphology (include stream banks): The stream is of human construct (stones cemented together to form a channel).

Water Depth (3 cross sectional measurements in ft/in): 5'0" 6'0" 4'0" Average Depth (ft/in) 5" = 0.42 ft.

Water Width (ft/in) 3' 9" = 3.75 ft.

Stream Velocity ([100] feet / [?]second) 1 ft. / 10 sec. = 0.1

Discharge (CFS) 0.16

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads, Submerged Vegetation, Undercut Banks, Other A man made bridge

Instream: The water was clear and moved unobstructedly.

Riparian Habitat: Oak trees + ivy ground cover.

Shading: Very shaded - Bridge over transect site.

Substrate Composition: A composition of boulder, stone + gravel.

Particle Size Range: _____

Approximate Area: _____

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 7.33

Dissolved Oxygen (mg/L & %): .43 mg/L and 3.8%

Temperature (°C): 10.1 °C → After stirring the probe the temp lowered to 9.1 °C.

Conductivity (µS or mS) 1615 µS

Specific Conductance (µS or mS) 2319 µS

Salinity (ppt): 1.2 (ppt)

TDS (ppm): _____

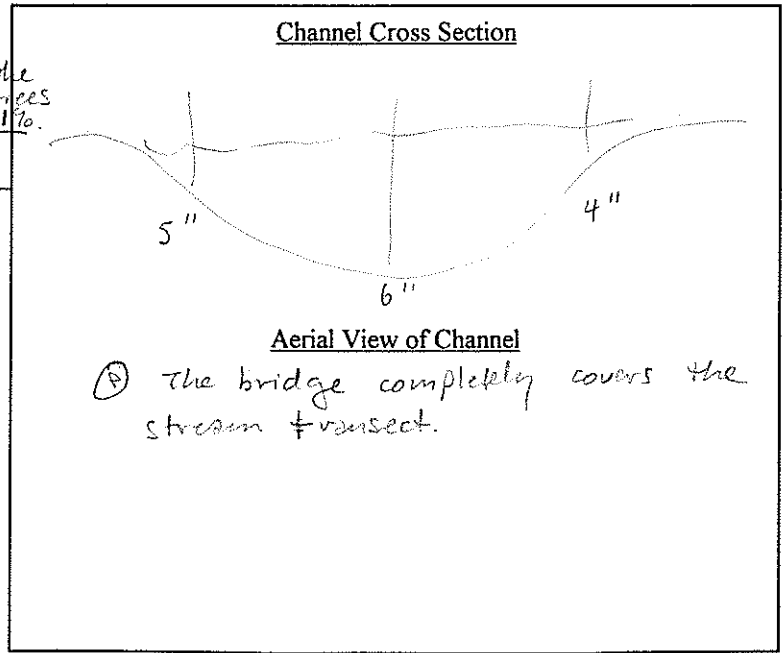
Hardness: _____

Carbon Dioxide: 9 ppm

Turbidity (NTUs): 2.5

Coliform Bacteria: tested positive

Other Observations: Clear Sunny Day



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.

Cher:
646-6045

Water Quality
Stream Characterization Field Data Sheet

Date: <u>07/23/04</u>	Investigator(s): <u>Zak Hansted + Eric Blundell</u>	Site ID #: <u>9</u>
Time: <u>1:02</u>	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: Arbolada Creek
 Site Location: @ Bristol + El Paseo ; and next to parking lot bridge.
 General Flow Conditions: Slowly gravitating toward the tunnel @ Ojai Ave.

Channel Morphology (include stream banks): The banks are perpendicular to the stream bed. The construct of the banks is of human hands.

Water Depth (3 cross sectional measurements in ft/in): 1" 6" 3" Average Depth (ft/in) 3.33" = 0.28ft.
 Water Width (ft/in) 1ft 6" = 1.5ft
 Stream Velocity ([100] feet / [?]second) 1ft / 4 sec.
 Discharge (CFS) 0.11 = 0.25

⊛ Conductivity: exceeds range
⊛ Specific Conductance: exceeds range

⊛ Stream Habitat Type: Pool, Riffle, X Run

Inundated? Yes, X No

Cover Type: X Over-hanging Vegetation, X Submerged Boulders, Logs, Root Wads,
Submerged Vegetation, Undercut Banks, X Other Trees (Elevated cover)

Instream: Spider-like plants + some Ivy on the banks.

Riparian: Ivy, spider-like plants.

Shading: 90% shaded by the trees (sycamore + oaks) @ transect.

Substrate Composition: Boulders + stones

Particle Size Range: _____

Approximate Area: _____

⊛ Potential Spawning? Yes, X No

pH (0-14): 7.52

Potential Rearing? Yes, X No

Dissolved Oxygen (mg/L, %): 6.66 mg/L; 62.2%

Salinity (ppt): 0.20 ppt

Temperature (°C): 13°C

TDS (ppm): _____

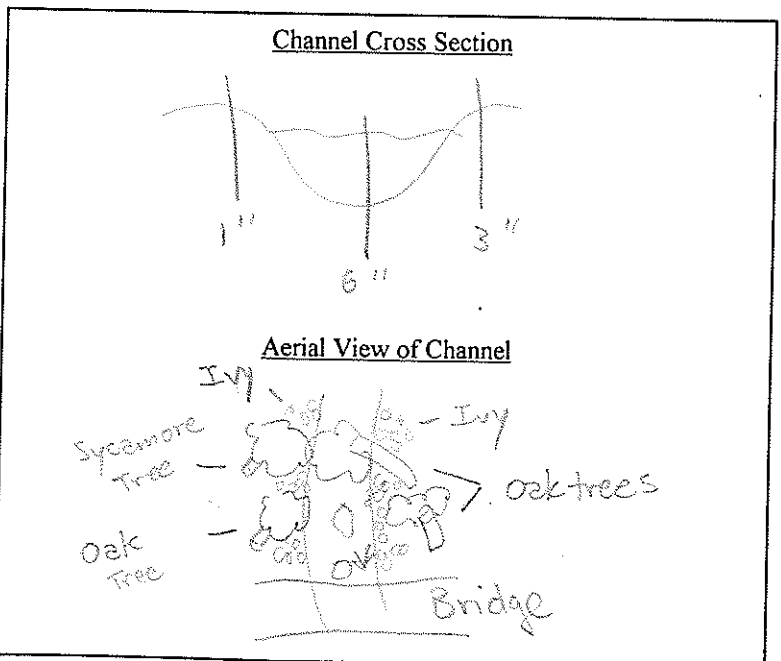
Hardness: _____

Carbon Dioxide: 21 ppm

Turbidity (NTUs): 05.4

Coliform Bacteria: _____

Other Observations: A clear + sunny day. The cumulus clouds have lifted and are not impeding the sun's rays from shining down on to the transect. No unnatural waste, but some organic compost in stream.



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.

Water Quality
Stream Characterization Field Data Sheet

Date: 03/03/04	Investigator(s): Cher B., Erik B.	Site ID #: 9
Time: 10:55am	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: Arbolada Creek
 Site Location: @ Bristol + Ojai Ave
 General Flow Conditions: Consistent flow, water is clear, little meandering

Channel Morphology (include stream banks): human made channel w/ rock rip-rap

Water Depth (3 cross sectional measurements in ft/in): 3" 4" 2" Average Depth (ft/in) 3" = 0.25ft.
 Water Width (ft/in) 2'

Stream Velocity ([100] feet / [?]second) 10' / 44 sec = 0.23

Discharge (CFS) 0.11
 Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No
 Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other

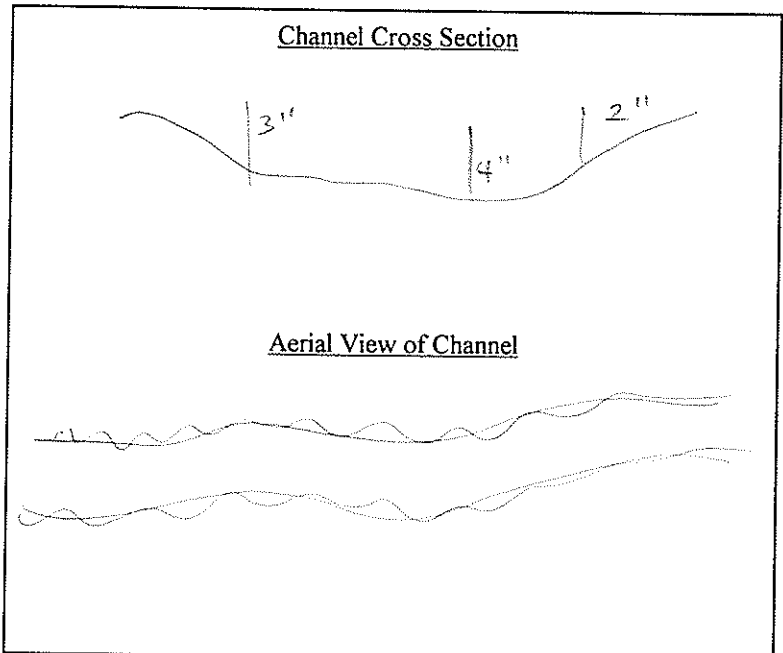
Instream: _____
 Riparian: Quercus agrifolia, highly disturbed - Periwinkle, planted ornamentals
 Shading: by bridge + oak trees
 Substrate Composition: boulders, cobbles, gravels

Particle Size Range: _____
 Approximate Area: _____

Potential Spawning? Yes, No
 pH (0-14): 7.75

Potential Rearing? Yes, No

Dissolved Oxygen (mg/L, %): 26.7, 25%
 Salinity (ppt): 0.3
 Temperature (°C): 12.6
 TDS (ppm): _____
 Hardness: _____
 Carbon Dioxide: 12 ppm
 Turbidity (NTUs): 04.3
 Coliform Bacteria: _____
 Other Observations: _____



Sunny, clear day, 75°F

Conductivity: 11633
 Specific Conductance: 2138

These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.

Water Quality Stream Characterization Field Data Sheet

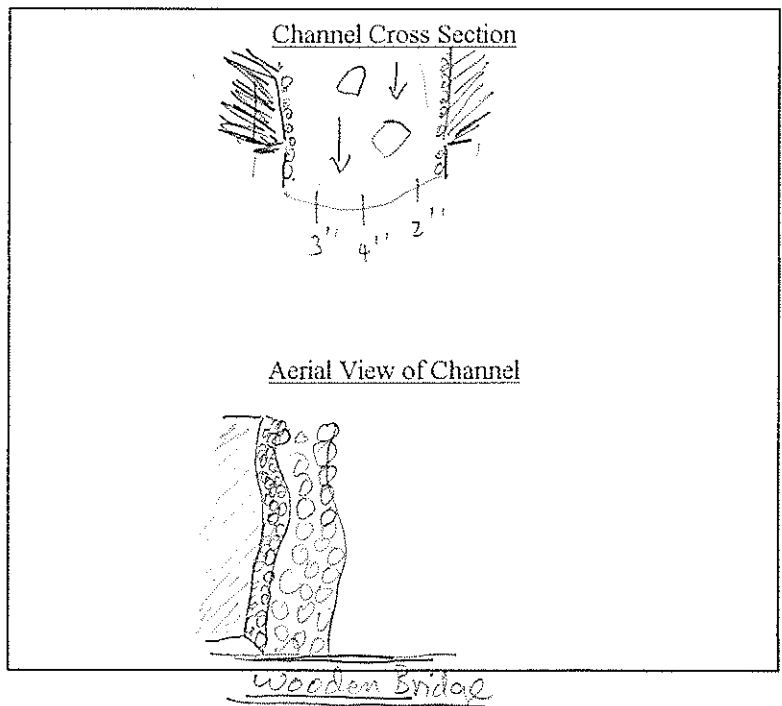
Date: 10/20/04	Investigator(s): Zak H. + Erik B.	Site ID #: 9
Time: 1:45	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: Arbolada Creek
 Site Location: At Bristol + Ojai Ave.
 General Flow Conditions: consistent flowing. Turbidity level is High.
 Channel Morphology (include stream banks): Human-made channel w/ rip-rap.

Water Depth (3 cross sectional measurements in ft/in): 3" 4" 2" Average Depth (ft/in) 3" = 0.25 ft.
 Water Width (ft/in) 2' (ft)
 Stream Velocity ([100] feet / [?] second) 10 ft. / 21 sec. (120 ft. / 210 sec.) $\frac{3\cancel{9}}{c}$
 Discharge (CFS) 0.24 = 0.48

Stream Habitat Type: Pool, Riffle, Run
 Inundated? Yes, No
 Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other rip-rap
 Instream: plant foliage, branches.
 Riparian Habitat: Highly disturbed: periwinkle, planted ornamentals. Quercus Agrifolia
 Shading: Bridge & Oak trees.
 Substrate Composition: rock and sand.
 Particle Size Range: Boulders, cobbles, gravel
 Potential Spawning? Yes, No
 Potential Rearing? Yes, No

pH (0-14): 7.44
 Dissolved Oxygen (mg/L, %): 4.4 ppm
 Temperature (°C): 16.1°C
 Conductivity (µS or mS): 1320.0µs
 Specific Conductance (µS or mS): _____
 Salinity (ppt): _____
 TDS (ppm): _____
 Hardness: _____
 Carbon Dioxide: 20 ppm
 Turbidity (NTUs): 2.38
 Coliform Bacteria: positive
 Other Observations: _____



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.
 C:\DMEC\Jobs\ventura\Ojai\City_of_Ojai\DFG_StreamsGrant\DFGStreamsGrant-StreamCharFieldDataForm.doc

Stream Characterization and Water Quality Sampling Field Data Sheet

Date: 12-7-09	Investigator(s): Brian & Zach	Site ID #: 9
Time: 11:10 am	Lat.: 34.44524	Long: 119.25236
Photo No(s): 105 159	Photo Notes: Photo taken to N.	

JP
045

Drainage/Creek Name: Arbolada Creek

Site Location: Corner of Ojai Ave and Bristol Rd.

General Flow Conditions: Dry

Channel Morphology (include stream banks): Bank is river rock cobble, man made to direct flow under bridges in business parking lot.

Water Depth (3 cross sectional measurements in ft/in): 1 Average Depth (ft/in) _____

Water Width (ft/in) 1

Stream Velocity ([100] feet / [?] seconds) _____

Discharge (CFS) _____

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other _____

Instream: _____

Riparian Habitat: Coast Live Oak Dominated, non-natives present ie; Ivy, Palms

Shading: 100%

Substrate Composition: Mostly River rock

Particle Size Range: cobbles

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): _____

Dissolved Oxygen (mg/L, %): _____

Temperature (°C): _____

Conductivity (indicate µS or mS): _____

Specific Conductance (indicate µS or mS): _____

Salinity (ppt): _____

TDS (ppm): _____

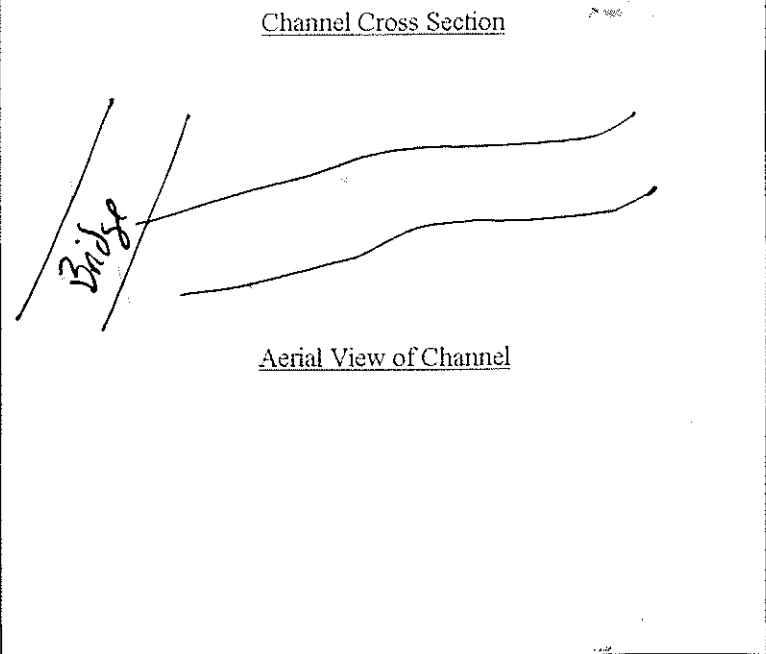
Hardness: _____

Carbon Dioxide: _____

Turbidity (NTUs): _____

Coliform Bacteria: _____

Other Observations: _____



~~Stream Characterization~~ and Water Quality Sampling Field Data Sheet

Date: 1-5-05	Investigator(s): Brian Holly / Zach Hanstad	Site ID #: 9
Time: 2:35 PM	Lat.: 34.44592°	Long: 119.25200°
Photo No(s): 165	Photo Notes: Photo to North west	Waypoint # 070

Drainage/Creek Name: Arbolada Creek

Site Location: 1

General Flow Conditions: Slow moving

Channel Morphology (include stream banks): unnatural rock drainage to direct water under road

Water Depth (3 cross sectional measurements in ft/in): 2" 3" 2" Average Depth (ft/in) 2.33 =

Water Width (ft/in) 3" $7/3 =$ 0.19 ft

Stream Velocity ([100] feet / [?] seconds) 10' in 9 sec. = 1.11

Discharge (CFS) 0.63

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other

Instream: No moss, algae / mostly English Ivy overhanging

Riparian Habitat: Coast Live Oak, Exotics

Shading: 70%

Substrate Composition: Large river rock

Particle Size Range: No cobble / silt

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 7.89

Dissolved Oxygen (mg/L, %): 11.01 mg/L, 99.3%

Temperature (°C): 10.7 °C

Conductivity (indicate µS or mS): 915 µS

Specific Conductance (indicate µS or mS): 1261 µS

Salinity (ppt): 0 ppt

TDS (ppm): _____

Hardness: _____

Carbon Dioxide: 9 ppm

Turbidity (NTUs): 005

Coliform Bacteria: pos,

Other Observations: High noise pollution from Ojai Ave.

Channel Cross Section

Wildlife:
None observed

Aerial View of Channel

Water Quality
Stream Characterization Field Data Sheet

Date: <u>10/20/04</u>	Investigator(s): <u>Zak H. + Erik B.</u>	Site ID #: <u>10</u>
Time: <u>2:00</u>	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: Stewart Canyon Creek
 Site Location: Top of Foothill Rd. where Private Rd. crosses creek.
 General Flow Conditions: consistently flowing. High turbidity level.

Channel Morphology (include stream banks): Natural banks w/ gentle out-sloping (up).

Water Depth (3 cross sectional measurements in ft/in): 3" 2" 9" Average Depth (ft/in) 4.7" = $\frac{3 \times 3 + 2 \times 2 + 9 \times 9}{20} = \frac{9 + 4 + 81}{20} = \frac{94}{20} = 4.7$ 0.31 ft.
 Water Width (ft/in) (8) (ft)
 Stream Velocity ([100] feet / [?] second) 10ft. / 5 sec. (100ft. / 50 sec.)
 Discharge (CFS) 6.24 = (2.00)

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other Culverts

Instream: Plant foliage, leaves

Riparian Habitat: Mule fat, soumac, ceinothus, sycamore, oak riparian forest

Shading: Mule fat, sycamore + oak (partially)

Substrate Composition: Rocks, sand.

Particle Size Range: Boulders, cobbles, pebbles

Potential Spawning? Yes, No

Potential Rearing? Yes, No

○ pH (0-14): 7.50

Dissolved Oxygen (mg/L, %): 12.1 ppm

○ Temperature (°C): 18.5°C

○ Conductivity (µS or mS): 975.0 µs

Specific Conductance (µS or mS): _____

Salinity (ppt): _____

TDS (ppm): _____

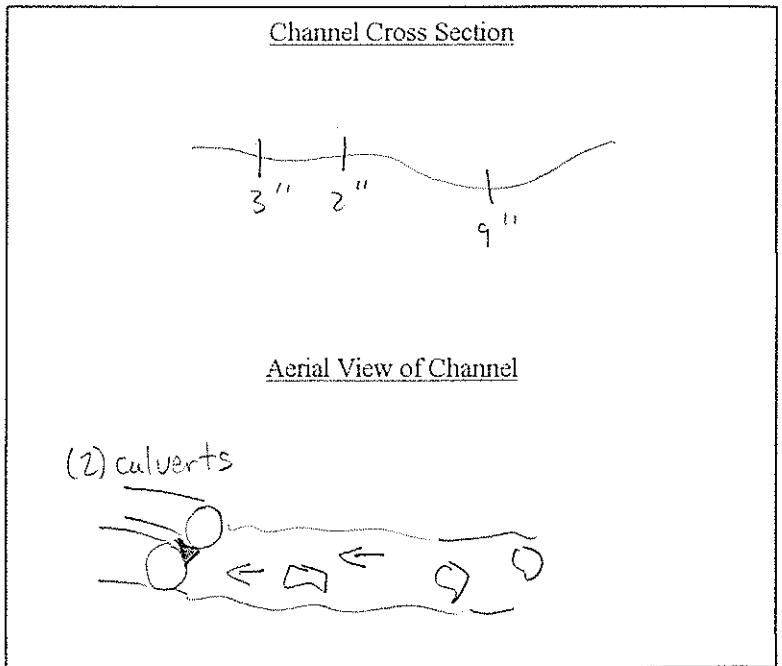
Hardness: _____

Carbon Dioxide: 13 ppm

Turbidity (NTUs): 2.35

Coliform Bacteria: positive

Other Observations: _____



Stream Characterization and Water Quality Sampling Field Data Sheet

Date: 1-5-05	Investigator(s): Brian Holly / Zack Hanstad	Site ID #: 10
Time: 3:55 PM	Lat.: 34.460470	Long: 119.249870
Photo No(s): 165	Photo Notes: Photo taken to North west	Waypoint # 071

Drainage/Creek Name: Stewart Canyon Creek

Site Location: /

General Flow Conditions: Slow moving / pools

Channel Morphology (include stream banks): Natural drainage, shallow channel

Water Depth (3 cross sectional measurements in ft/in): 1" 2" 1" Average Depth (ft/in) 1.33

Water Width (ft/in) 2' 0.11 ft

Stream Velocity ([100] feet / [?] seconds) 10' in 7.5 sec, = 1.33

Discharge (CFS) 0.29

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other

Instream: Grasses, no algae / moss

Riparian Habitat: Coast Live Oak, Sycamore

Shading: 50%

Substrate Composition: cobble

Particle Size Range: smaller rocks / cobble

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 7.2

Dissolved Oxygen (mg/L, %): 4.99 mg/L, 50.4%

Temperature (°C): 14.4°C

Conductivity (indicate µS or mS): 578 µS

Specific Conductance (indicate µS or mS): 705 µS

Salinity (ppt): 3 ppt

TDS (ppm): _____

Hardness: _____

Carbon Dioxide: 14 ppm

Turbidity (NTUs): 0.02

Coliform Bacteria: POS

Other Observations: _____

Channel Cross Section

Wildlife:
small birds in oak canopy
(unidentifiable)

Aerial View of Channel

These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.
C:\DMEC\Jobs\Ventura\Ojai\City_of_Ojai\DFG_StreamsGrant\DFGStreamsGrant-StreamCharFieldDataForm.doc

Water Quality

Stream Characterization Field Data Sheet

Date: <u>03/02/04</u>	Investigator(s): <u>Zak H., Eric B., Cher B.</u>	Site ID #: <u>11</u>
Time: <u>5:00</u>	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: Ayers Creek = Unnamed Tributary to San Antonio Cr.
 Site Location: @ Soule Park Golf Course @ end of Foreway Lane
 General Flow Conditions: flows interrupted by Palm tree rootwads

Channel Morphology (include stream banks): influenced by invasive palm trees.

Water Depth (3 cross sectional measurements in ft/in): 3" 7" 4" Average Depth (ft/in) 4.7" = 0.39 ft.

Water Width (ft/in): (5 ft) 10" in.

Stream Velocity ([100] feet / [?] second) 10ft. / 40sec. = 0.25

Discharge (CFS) 0.49

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other _____

Instream: _____

Riparian Habitat: Highly disturbed - Mexican fan palm dominance w/ syc, oak, will trees

Shading: Completely shaded over entire day.

Substrate Composition: cobbles + gravel and soil compost.

Particle Size Range: _____

Approximate Area: _____

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 8.03

Dissolved Oxygen (mg/L & %): 6.16 mg/L; 62.5%

Temperature (°C): 14.3 °C

Conductivity (µS or mS) 1335 µS

Specific Conductance (µS or mS) 1693 µS

Salinity (ppt): .90 ppt.

TDS (ppm): _____

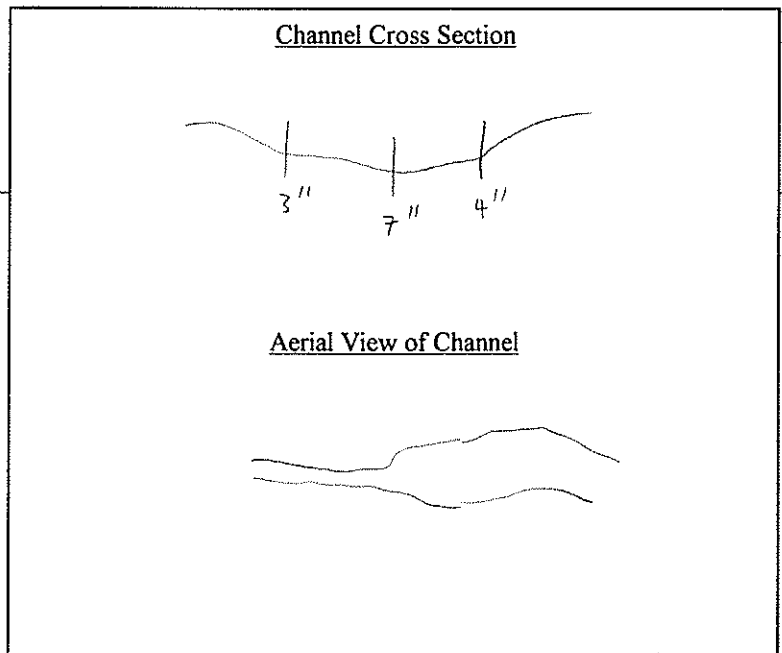
Hardness: _____

Carbon Dioxide: 6 ppm

Turbidity (NTUs): 14.7

Coliform Bacteria: _____

Other Observations: _____



These data and analyses are (1) based on best scientific judgment; (2) are for reference only, and (3) are not final judgments by DMEC.
 \\ELROND\C-Elron\DMEC\Jobs\Ventura\Ojai\City_of_Ojai\DFG_StreamsGrant\DFGStreamsGrant-StreamCharFieldDataForm.doc

Water Quality
~~Stream Characterization~~ Field Data Sheet

Date: 10/20/04	Investigator(s): Zack H. & Erik B.	Site ID #: 11
Time: 2:20	Lat:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: Ayers Creek
 Site Location: @ South Park Golf course; End of Ayers Lane
 General Flow Conditions: Consistently flowing. Turbidity level is Medium.

Channel Morphology (include stream banks): Influenced by Invasive Palm trees; short runs and shallow pools.

Water Depth (3 cross sectional measurements in ft/in): 4" 7" 4" Average Depth (ft/in) 5" = 0.42 ft

Water Width (ft/in) 5' (ft.)

Stream Velocity ([100] feet / [?] second) 10 ft. / 40 sec. (100 ft. / 400 sec.)

Discharge (CFS) 0.53 = 0.25

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other

Instream: Trash, tree roots, leaves, root wads.

Riparian Habitat: Highly disturbed: Mexican fan palm tree dominance. sycamore, oak + willow trees.

Shading: Completely shaded by oaks + sycamore trees.

Substrate Composition: Rocks, sand, soil.

Particle Size Range: Cobbles + gravels

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 7.82

Dissolved Oxygen (mg/L, %): 10.0 ppm

Temperature (°C): 16.8 °C

Conductivity (µS or mS): 661.0 µS

Specific Conductance (µS or mS): _____

Salinity (ppt): _____

TDS (ppm): _____

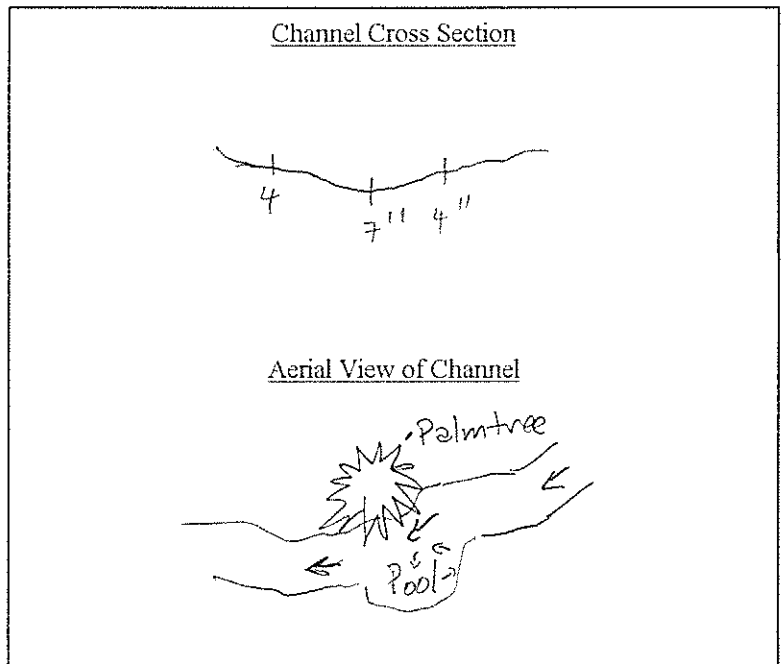
Hardness: _____

Carbon Dioxide: 11 ppm

Turbidity (NTUs): 12.6

Coliform Bacteria: positive

Other Observations: _____



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.

~~Stream Characterization~~ Water Quality Sampling Field Data Sheet

Date: 1-5-05	Investigator(s): Brian Holly / Zach Haustad	Site ID #: 11
Time: 3:50	Lat.: 34.44544°	Long: 119.22947°
Photo No(s): 164	Photo Notes:	Waypoint #072

Drainage/Creek Name: Ayers Creek

Site Location: /

General Flow Conditions: slow moving

Channel Morphology (include stream banks): Unnatural asphalt bank keeping water uphill of trail

Water Depth (3 cross sectional measurements in ft/in): 2" 3" 2" Average Depth (ft/in) 2.33
 Water Width (ft/in): (3') $7/3 = 0.194$

Stream Velocity ([100] feet / [?] seconds) 10' / 60 sec = 0.16

Discharge (CFS) 0.09

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
Submerged Vegetation, Undercut Banks, Other

Instream: Roots overhanging exotics, trash

Riparian Habitat: Some intact coast live oak, mostly palms

Shading: 100%

Substrate Composition: Silt, Cobble

Particle Size Range: smaller rocks with cobble intermixed

Potential Spawning? Yes, No Potential Rearing? Yes, No

pH (0-14): 7.89

Dissolved Oxygen (mg/L, %): 9.24 mg/L, 91.6%

Temperature (°C): 13.7°C

Conductivity (indicate µS or mS): 1130 µS

Specific Conductance (indicate µS or mS): 1932 µS

Salinity (ppt): .9 ppt

TDS (ppm): _____

Hardness: _____

Carbon Dioxide: 17 ppm

Turbidity (NTUs): 0.03

Coliform Bacteria: POS,

Other Observations: Golf course run-off

Channel Cross Section

Wildlife:
None observed

Aerial View of Channel

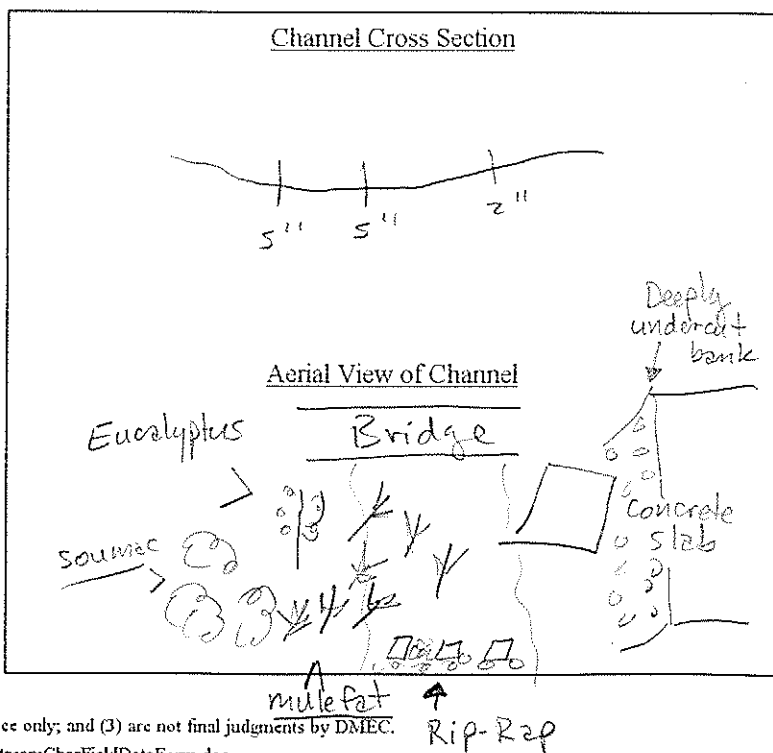
Water Quality

~~Stream~~ Characterization Field Data Sheet

Date: <u>10/20/04</u>	Investigator(s): <u>Zak H. + Erik B.</u>	Site ID #: <u>12</u>
Time: <u>2:30</u>	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: San Antonio Creek
 Site Location: Below San Antonio Creek Bridge.
 General Flow Conditions: Consistently flowing. The creek has a Medium level of turbidity.
 Channel Morphology (include stream banks): Natural banks, because the concrete retaining wall has eroded and fallen away.
 Water Depth (3 cross sectional measurements in ft/in): 5" 5" 2" Average Depth (ft/in) 4" = 0.33 ft.
 Water Width (ft/in) 23' (ft.)
 Stream Velocity ([100] feet / [?]second) 10ft. / 7 sec. (100ft. / 70sec.)
 Discharge (CFS) 10.84 = 1.43
 Stream Habitat Type: Pool, Riffle, Run
 Inundated? Yes, No
 Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other rip-rap
 Instream: Trash, concrete slabs, rip-rap, plant foliage
 Riparian Habitat: Mule fat + sallow riparian forest. Eucalyptus and fennel plant.
 Shading: Bridge, mule fat, Eucalyptus
 Substrate Composition: rock + sand.
 Particle Size Range: Boulders, cobbles, pebbles
 Potential Spawning? Yes, No Potential Rearing? Yes, No

pH (0-14): 8.23
 Dissolved Oxygen (mg/L, %): 9.1 ppm
 Temperature (°C): 18.5 °C
 Conductivity (µS or mS): 1054.0 µS
 Specific Conductance (µS or mS): _____
 Salinity (ppt): _____
 TDS (ppm): _____
 Hardness: _____
 Carbon Dioxide: 6 ppm
 Turbidity (NTUs): 7.64
 Coliform Bacteria: positive
 Other Observations: _____



~~Stream Characterization~~ and Water Quality Sampling Field Data Sheet

Date: 1-5-05	Investigator(s): Brian Holly / Zach Hanstad	Site ID #: 12
Time: 4:15 PM	Lat.: 34.41902°	Long: 119.22483°
Photo No(s): 163	Photo Notes: To North	Way point #073

Drainage/Creek Name: San Antonio Creek

Site Location: /

General Flow Conditions: strong flow / pools

Channel Morphology (include stream banks): Large channel with 12' banks

Water Depth (3 cross sectional measurements in ft/in): 2' 4' 1' Average Depth (ft/in) 2.33 = 0.19 ft

Water Width (ft/in) 13'

Stream Velocity ([100] feet / [?] seconds) 10' in 8 sec. = 1.25

Discharge (CFS) 3.09

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other

Instream: Over hanging Mulefat with vegetation submerged, Trash

Riparian Habitat: Mulefat dominated w/ intermixed willow, Sumac

Shading: 30%

Substrate Composition: Large river rock, cobble

Particle Size Range: Mostly large rocks

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 8.57

Dissolved Oxygen (mg/L, %): 11.48 mg/L, 181.8%

Temperature (°C): 10.3°C

Conductivity (indicate µS or mS): 478 µS

Specific Conductance (indicate µS or mS): 664 µS

Salinity (ppt): .3 ppt

TDS (ppm): _____

Hardness: _____

Carbon Dioxide: 7 ppm

Turbidity (NTUs): 0.05

Coliform Bacteria: pos.

Other Observations: Trash from people crossing bridge, high noise from vehicles

Channel Cross Section

Wildlife:
None observed

Aerial View of Channel

Water Quality
Stream Characterization Field Data Sheet

Date: 02/04/04	Investigator(s): Zak Houston & Erik Blundell	Site ID #: 13	
Time: 2:05	Lat:	Long:	Elev. ft.:
Photo No(s):	Photo Notes:		

Drainage/Creek Name: Thacher Creek
Site Location: Under bridge on Boardman Rd. South of Entrance to
General Flow Conditions: No Water... *Soule Park*

Channel Morphology (include stream banks): _____

Water Depth (3 cross sectional measurements in ft/in): _____ Average Depth (ft/in) _____

Water Width (ft/in) _____

Stream Velocity ([100] feet / [?]second) _____

Discharge (CFS) _____

Stream Habitat Type: ___ Pool, ___ Riffle, ___ Run

Inundated? ___ Yes, ___ No

Cover Type: ___ Over-hanging Vegetation, ___ Submerged Boulders, ___ Logs, ___ Root Wads,
___ Submerged Vegetation, ___ Undercut Banks, ___ Other _____

Instream: _____

Riparian Habitat: _____

Shading: _____

Substrate Composition: _____

Particle Size Range: _____

Approximate Area: _____

Potential Spawning? ___ Yes, ___ No

Potential Rearing? ___ Yes, ___ No

pH (0-14): _____

Dissolved Oxygen (mg/L & %): _____

Temperature (°C): _____

Conductivity (µS or mS) _____

Specific Conductance (µS or mS) _____

Salinity (ppt): _____

TDS (ppm): _____

Hardness: _____

Carbon Dioxide: _____

Turbidity (NTUs): _____

Coliform Bacteria: _____

Other Observations: _____

<u>Channel Cross Section</u>
<u>Aerial View of Channel</u>

These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.

Water Quality
~~Stream Characterization~~ Field Data Sheet

Date: 10/20/04	Investigator(s): Zak H. + Erik B.	Site ID #: 13
Time: 2:50	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: Thacher Creek
 Site Location: Under Boardman Bridge; below Soule Park.
 General Flow Conditions: Heavy drainage: Flows from upper Thacher into Thacher creek by a large culvert. No flows present
 Channel Morphology (include stream banks): Natural banks w/ little out-sloping (up)

Water Depth (3 cross sectional measurements in ft/in): - - - Average Depth (ft/in) -

Water Width (ft/in) 6' (ft.)

Stream Velocity ([100] feet / [?] second) -

Discharge (CFS) -

Stream Habitat Type: Pool, Riffle, Run (If water was present)

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
Submerged Vegetation, Undercut Banks, Other Culvert, bridge

Instream: Leaves, cobbles, pebbles, branches + twigs

Riparian Habitat: Oak Trees + Sycamore Riparian Forest.

Shading: Oak trees partially shade area.

Substrate Composition: Rock, Sand + Soil

Particle Size Range: Cobbles, Pebbles

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 8

Dissolved Oxygen (mg/L, %): 0

Temperature (°C): 0

Conductivity (µS or mS): 0

Specific Conductance (µS or mS): 0

Salinity (ppt): 0

TDS (ppm): 0

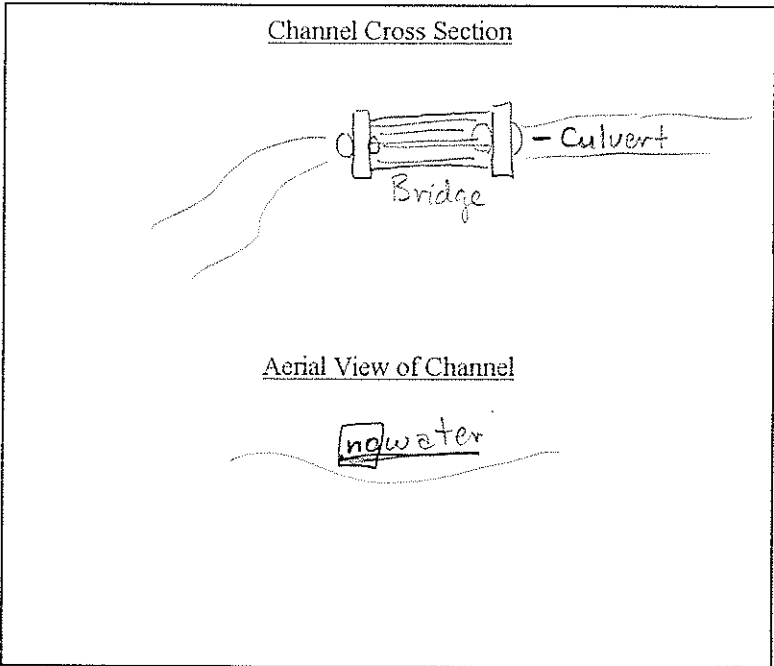
Hardness: 0

Carbon Dioxide: 0

Turbidity (NTUs): 0

Coliform Bacteria: 0

Other Observations: no water



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.
 C:\DMEC\Jobs\Ventura\Ojai\City_of_Ojai\DFG_StreamsGrant\DFGStreamsGrant-StreamCharFieldDataForm.doc

~~Stream Characterization and~~ Water Quality Sampling Field Data Sheet

Date: 1-6-0405	Investigator(s): Brian Holly / Zach Hanstad	Site ID #: 13
Time: 10:10 AM	Lat.: 34.44492°	Long: 119.22270°
Photo No(s): 162	Photo Notes:	Waypoint # 074

Drainage/Creek Name: Thacher Creek

Site Location: /

General Flow Conditions: Star moving

Channel Morphology (include stream banks): unnatural cement / rock bank holding bridge, natural bank to south

Water Depth (3 cross sectional measurements in ft/in): 4" 6" 4" Average Depth (ft/in) 4.67

Water Width (ft/in): 6"

Stream Velocity ([100] feet / [?] seconds) 10' in 20 sec. = 0.5

Discharge (CFS) 1.17

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads, Submerged Vegetation, Undercut Banks, Other

Instream: No moss / algae present vegetation from storm caught up on rocks

Riparian Habitat: Black Walnut, Mulberry, Calif. Blackberry

Shading: 70%

Substrate Composition: cobble, rock

Particle Size Range: mostly smaller rocks and cobble

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 8.34

Dissolved Oxygen (mg/L, %): 11.62 mg/L, 93.9%

Temperature (°C): 7.7°C

Conductivity (indicate µS or mS): 475 µS

Specific Conductance (indicate µS or mS): 710 µS

Salinity (ppt): 3 ppt

TDS (ppm): _____

Hardness: _____

Carbon Dioxide: 8 ppm

Turbidity (NTUs): 0.09

Coliform Bacteria: POS

Other Observations: _____

Channel Cross Section

Habitat:
Juvenile Red tail Hawk

Aerial View of Channel

Water Quality ~~Stream~~ Characterization Field Data Sheet

Date: 03/02/04	Investigator(s): Zak H., Erik B., Cher B.	Site ID #: 14
Time: 4:15 p.m.	Lat.:	Long:
Photo No(s).:	Photo Notes:	

Drainage/Creek Name: Fox Canyon Creek.

Site Location: Below Fox St. @ Club Atletico

General Flow Conditions: cement channel empties into pond - transect in pond; water turbid, foamy

Channel Morphology (include stream banks): cement upstream, sand sediments in pond, water slowly drains out of pond into narrow channel.

Water Depth (3 cross sectional measurements in ft/in): 4' ft 5' ft 3' ft Average Depth (ft/in) (4ft)

Water Width (ft/in) (19') ft / 10" in

Stream Velocity ([100] feet / [?] second) No flow (Ponded) ?

Discharge (CFS) —

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged ^{cement block} Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other bridge

Instream: _____

Riparian Habitat: Oak tree, Ivy + Perry winkle. Downstream - Blackberry, perrywinkle + Ivy below

Shading: By banks, bridge + tree.

Substrate Composition: Silt, sand + gravel.

Particle Size Range: _____

Approximate Area: _____

Potential Spawning? Yes, No

pH (0-14): 8.08

Dissolved Oxygen (mg/L & %): 5.66 mg/L; 55.4%

Temperature (°C): 15.2 °C

Conductivity (µS or mS) 1433 µS

Specific Conductance (µS or mS) 1763 µS

Salinity (ppt): .90 ppt

TDS (ppm): _____

Hardness: _____

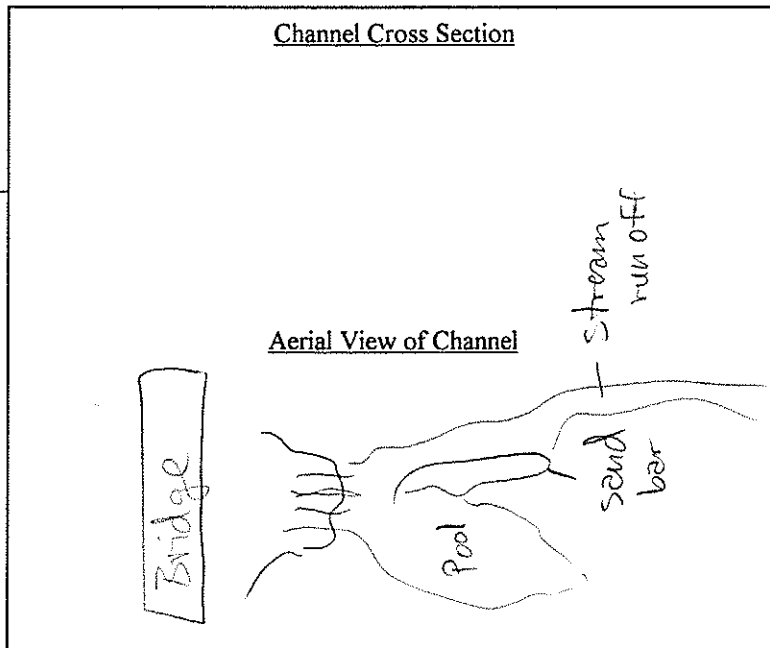
Carbon Dioxide: 5ppm

Turbidity (NTUs): 03.6

Coliform Bacteria: _____

Other Observations: Upstream completely cemented over - then pond - then runoff.

Potential Rearing? Yes, No



These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.

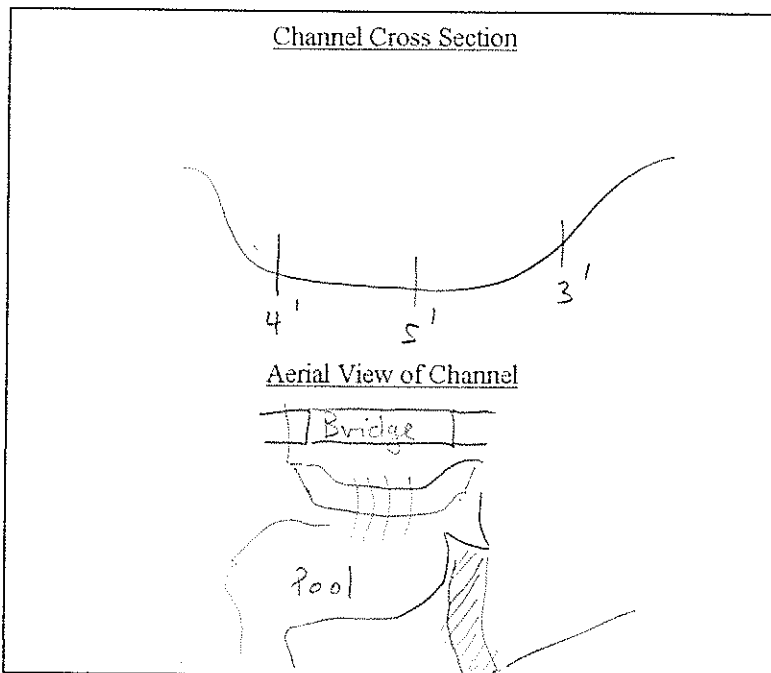
Water Quality

Stream Characterization Field Data Sheet

Date: <u>10/20/04</u>	Investigator(s): <u>Zak H. + Erik B.</u>	Site ID #: <u>14</u>
Time: <u>3:01</u>	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: Fox Canyon Creek
 Site Location: Under Bridge @ the grounds of Ojai Athletics Club.
 General Flow Conditions: Cement channel empties into pond - transect in pond - water foamy / very low turbidity
 Channel Morphology (include stream banks): Cement upstream; sand sediment in pond; water slowly drains out of pond into narrow channel.
 Water Depth (3 cross sectional measurements in ft/in): 4' 5' 3' Average Depth (ft/in) 4' (ft.)
 Water Width (ft/in) 19' (ft.)
 Stream Velocity ([100] feet / [?]second) NO FLOW
 Discharge (CFS) _____
 Stream Habitat Type: Pool, Riffle, Run
 Inundated? Yes, No
 Cover Type: Over-hanging Vegetation, Submerged ~~Boulders~~ Cement Blocks, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other Bridge
 Instream: Trash, steel pipes, concrete slabs, foam, plant foliage
 Riparian Habitat: Oak Tree Riparian Forest. Ivy, Perrywinkle, blackberry.
 Shading: Bridge and oak tree.
 Substrate Composition: Soil, rocks + sand.
 Particle Size Range: cobbles, pebbles.
 Potential Spawning? Yes, No
 Potential Rearing? Yes, No

pH (0-14): 8.26
 Dissolved Oxygen (mg/L, %): 5.5 ppm
 Temperature (°C): 18.5 °C
 Conductivity (µS or mS): 942.0 µS
 Specific Conductance (µS or mS): _____
 Salinity (ppt): _____
 TDS (ppm): _____
 Hardness: _____
 Carbon Dioxide: 10 ppm
 Turbidity (NTUs): 15.2
 Coliform Bacteria: positive
 Other Observations: _____



undercut bank

~~Stream Characterization~~ and Water Quality Sampling Field Data Sheet

Date: 1-6-05	Investigator(s): Brian Holly / Zach Hausted	Site ID #: 14
Time: 1:20 PM	Lat.: 34.44470°	Long: 119.24161°
Photo No(s): /	Photo Notes: Camera not available	Waypoint #075

Drainage/Creek Name: Fox Canyon Creek

Site Location: /

General Flow Conditions: Slow moving / pools

Channel Morphology (include stream banks): Undercut banks, concrete spillway to East

Water Depth (3 cross sectional measurements in ft/in): 1' 3' 2' Average Depth (ft/in) 2'
6/3 = 2

Water Width (ft/in) 13'

Stream Velocity ([10] feet / [?] seconds) 10' in 9 sec. = 0.10

Discharge (CFS) 2.63

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other

Instream: Root wads, trash from Athletic club, Overhanging English Ivy

Riparian Habitat: Coast Live Oak, Mex. Fan Palms, Ivy

Shading (%): 75%

Substrate Composition: silt, cobble

Particle Size Range: mostly silt

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 8.11

Dissolved Oxygen (mg/L & %): 9.68 mg/L, 89.4%

Temperature (°C): 13.3 °C

Conductivity (µS / mS): 931 µS

Specific Conductance (µS / mS): 1202 µS

Salinity (ppt): .5 ppt

Carbon Dioxide: 7 ppm

Turbidity (NTUs): 0.02

Coliform Bacteria: pos.

Other Observations: _____

Channel Cross Section

Wildlife:
Crows in oak trees

Aerial View of Channel

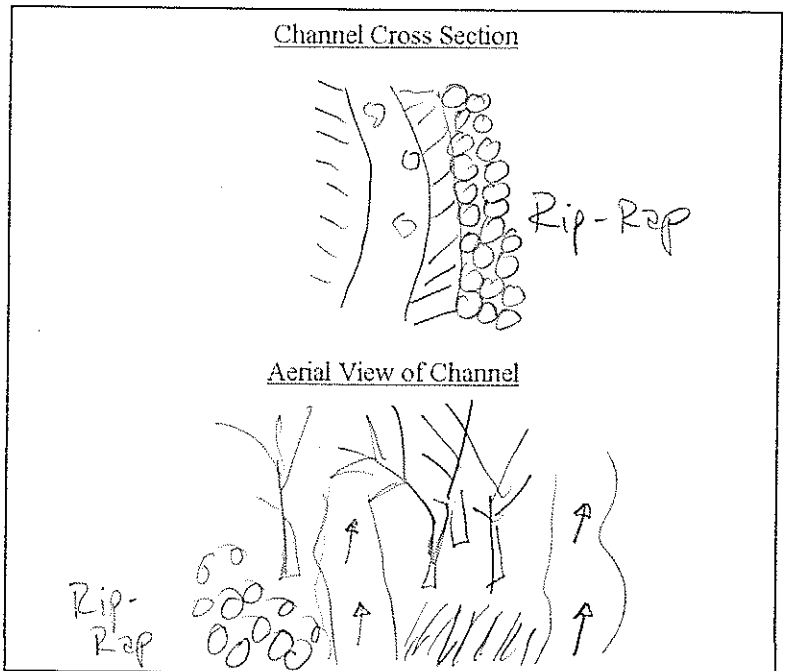
These data and analyses are (1) based on best scientific judgment; (2) are for reference only; and (3) are not final judgments by DMEC.
 C:\DMEC\Jobs\Ventura\Ojai\City_of_Ojai\DFG_StreamsGrant\DFGStreamsGrant-StreamCharFieldDataForm.doc

Water Quality
~~Stream Characterization~~ Field Data Sheet

Date: <u>10/20/04</u>	Investigator(s): <u>Zak H. + Erik B.</u>	Site ID #: <u>15</u>
Time: <u>3:30</u>	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: Stewart Canyon Creek
 Site Location: Connects to Fox Canyon Barranca (west of Ventura St.)
 General Flow Conditions: Consistently flowing. The turbidity is High.
Straight and narrow channel split from the larger channel.
 Channel Morphology (include stream banks): Eucalyptus trees and soil split the channel into two regions, which flow in two separate areas.
 Water Depth (3 cross sectional measurements in ft/in): 4" 6" 3" Average Depth (ft/in) 4.3" (4 3/10")
 Water Width (ft/in) 3' (ft.) $\frac{3 \times 3}{10} = 0.36 \text{ ft.}$
 Stream Velocity ([100] feet / [?] second) 10 ft / 18 sec. (100 ft / 180 sec.)
 Discharge (CFS) 0.60 = 0.56
 Stream Habitat Type: Pool, Riffle, Run
 Inundated? Yes, No
 Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other Rip-Rap
 Instream: Trash, boulders, plant foliage
 Riparian Habitat: Eucalyptus, Mexican fan palms, annual grass: HIGHLY Disturbed.
 Shading: Eucalyptus trees completely shade area (transect).
 Substrate Composition: Rocks, sand and soil.
 Particle Size Range: Boulders, cobbles, pebbles
 Potential Spawning? Yes, No Potential Rearing? Yes, No

- pH (0-14): 8.05
- Dissolved Oxygen (mg/L, %): 11.9 ppm
- Temperature (°C): 17.30 °C
- Conductivity (µS or mS): 1345.0 µS
- Specific Conductance (µS or mS): _____
- Salinity (ppt): _____
- TDS (ppm): _____
- Hardness: _____
- Carbon Dioxide: 13 ppm
- Turbidity (NTUs): 2.21
- Coliform Bacteria: positive
- Other Observations: _____



~~Stream Characterization~~ and Water Quality Sampling Field Data Sheet

Date: 1-6-05	Investigator(s): Brian Holly / Zach Hanstad	Site ID #: 15
Time: 2:00 PM	Lat.: 34.44479°	Long: 119.24884
Photo No(s): /	Photo Notes: Camera not available	Waypoint # 076

Drainage/Creek Name: Stewart Canyon Creek

Site Location: /

General Flow Conditions: Slow moving

Channel Morphology (include stream banks): Unnatural (both sides) rock / cement banks

Water Depth (3 cross sectional measurements in ft/in): 8" 12" 4" Average Depth (ft/in) 8" = 0.67
 $24/3 = 8$

Water Width (ft/in) (7')
 Stream Velocity ([10] feet / [?] seconds) 10' in 14 sec. = 0.71

Discharge (CFS) 3.33

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other

Instream: Trash, grass wads under sediment

Riparian Habitat: Unnatural - Eucalyptus and Spanish Broom

Shading (%): /

Substrate Composition: Silt

Particle Size Range: Silt

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 8.15

Dissolved Oxygen (mg/L & %): 10.0 mg/L, 98.5%

Temperature (°C): 14.4°C

Conductivity (µS / mS): 613 µS

Specific Conductance (µS / mS): 768 µS

Salinity (ppt): .4 ppt

Carbon Dioxide: 6 ppm

Turbidity (NTUs): 0.02

Coliform Bacteria: DSS,

Other Observations: _____

Channel Cross Section

Wildlife:
 Bullfrogs heard to North

Aerial View of Channel

~~Stream Characterization and~~ Water Quality Sampling Field Data Sheet

Date: 1-9-05	Investigator(s): Brian Holly / Zach Hanstad	Site ID #: 16
Time: 2:10 PM	Lat:	Long:
Photo No(s):	Photo Notes:	Waypoint #

Drainage/Creek Name: Arbolada Creek

Site Location: /

General Flow Conditions: Strong flow

Channel Morphology (include stream banks): Flooded

Water Depth (3 cross sectional measurements in ft/in): 4' 5' 3' Average Depth (ft/in) 4'

Water Width (ft/in) 7'

Stream Velocity ([10] feet / [?] seconds) 10' in 3 sec. F3.33

Discharge (CFS) 93.33

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other

Instream: Flooded

Riparian Habitat: Coast Live Oak

Shading (%): _____

Substrate Composition: Rock

Particle Size Range: Large rocks

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 7.73

Dissolved Oxygen (mg/L & %): _____

Temperature (°C): 14.5°C

Conductivity (µS / mS): _____

Specific Conductance (µS / mS): _____

Salinity (ppt): _____

Carbon Dioxide: 6 ppm

Turbidity (NTUs): 246

Coliform Bacteria: pos.

Other Observations: _____

Channel Cross Section

Wildlife:
None observed

Aerial View of Channel

Water Quality
~~Stream Characterization~~ Field Data Sheet

Date: 10/20/04	Investigator(s): Zak H. + Erik B.	Site ID #: 17
Time: 4:00	Lat.:	Long:
Photo No(s):	Photo Notes:	

Drainage/Creek Name: Del Norte Creek
 Site Location: N. of Intersection of Ojai Ave + Del Norte St.
 General Flow Conditions: Consistently flowing. Medium level of turbidity.

Channel Morphology (include stream banks): Man-made retaining wall on (6" side), and man-made wall in overflow on (3" side).

Water Depth (3 cross sectional measurements in ft/in): 3" 6" 6" Average Depth (ft/in) 5" (0.42 ft)
 Water Width (ft/in) 2'(ft) 3"(in) = 2.25ft

Stream Velocity ([100] feet / [?]second) 10 ft. / 15 sec. (100 ft. / 150 sec.)

Discharge (CFS) 0.63 = 0.67

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other Culvert (downstream)

Instream: Boulders, plant foliage.

Riparian Habitat: Eucalyptus, annual grass, planted ornamentals.

Shading: No shading over transect.

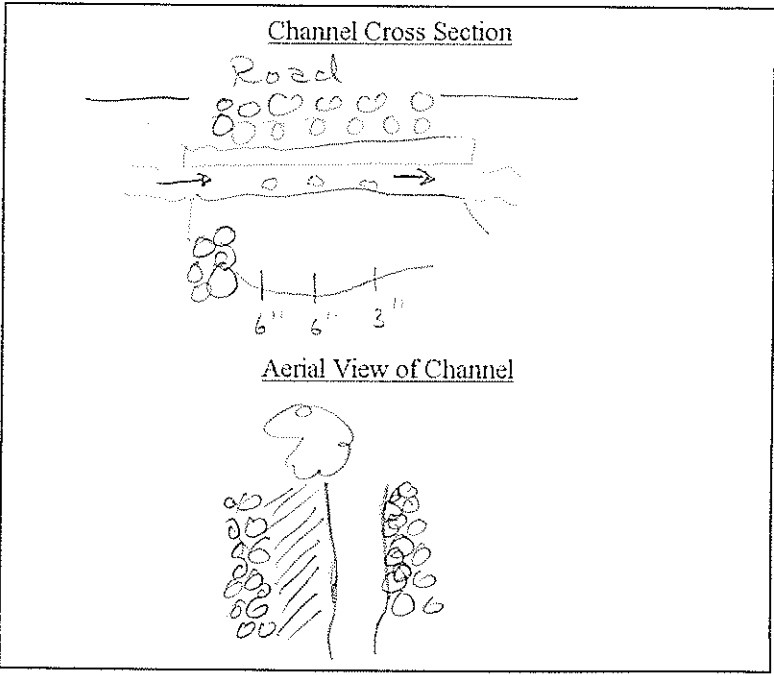
Substrate Composition: Rocks, sand and soil.

Particle Size Range: Boulders, cobbles

Potential Spawning? Yes, No

Potential Rearing? Yes, No

- pH (0-14): 7.90
- Dissolved Oxygen (mg/L, %): 6.9 ppm
- Temperature (°C): 16.1 °C
- Conductivity (µS or mS): 622.0 µS
- Specific Conductance (µS or mS): _____
- Salinity (ppt): _____
- TDS (ppm): _____
- Hardness: _____
- Carbon Dioxide: 18 ppm
- Turbidity (NTUs): 5.65
- Coliform Bacteria: positive
- Other Observations: _____



~~Stream~~ Characterization and Water Quality Sampling Field Data Sheet

Date: 1-9-05	Investigator(s): Brian Holly / Zach Haustad	Site ID #: 17
Time: 2:45 PM	Lat.:	Long:
Photo No(s):	Photo Notes:	Waypoint#

Drainage/Creek Name: Del Norte Creek

Site Location: /

General Flow Conditions: Strong flow / flooded

Channel Morphology (include stream banks): unnatural rock banks

Water Depth (3 cross sectional measurements in ft/in): 5' 6' 4' Average Depth (ft/in) 5'

Water Width (ft/in) 6-7'

Stream Velocity ([10] feet / [?] seconds) 10' in 3 sec, (3.33)

Discharge (CFS) 116.55

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other

Instream: Flooded banks, caught-up vegetation

Riparian Habitat: unnatural, with Eucalyptus trees

Shading (%): _____

Substrate Composition: Large rocks

Particle Size Range: _____

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 7.70

Dissolved Oxygen (mg/L & %): _____

Temperature (°C): 14.5°C

Conductivity (µS / mS): _____

Specific Conductance (µS / mS): _____

Salinity (ppt): _____

Carbon Dioxide: 5 ppm

Turbidity (NTUs): 199

Coliform Bacteria: pos

Other Observations: _____

Channel Cross Section

Wildlife:
None observed

Aerial View of Channel

~~Stream Characterization and~~ Water Quality Sampling Field Data Sheet

Date: 12-9-04	Investigator(s): Brian & Zak	Site ID #: 18
Time: 1:30	Lat.: 34,43167°	Long: 119,25973°
Photo No(s): 169	Photo Notes: Taken to north	Elev. ft.: 693ft

Drainage/Creek Name: Del Norte creek
 Site Location: East of construction site on Hermosa Rd. In OVI Golf Course
 General Flow Conditions: Slow moving

Channel Morphology (include stream banks): Unnatural / silt and river rock on outer banks

Water Depth (3 cross sectional measurements in ft/in): 3" 6" 3" Average Depth (ft/in) 4" = 0.33ft

Water Width (ft/in): 2.5ft

Stream Velocity ([100] feet / [?] seconds) 100 ft in 150 sec. = 0.67

Discharge (CFS) 0.55

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other

Instream: leaf litter and debris from last rain

Riparian Habitat: Coast live oak and Unnatural Golf Course drainage

Shading: 70%

Substrate Composition: cobble and river rock / w / silt

Particle Size Range: 2-4"

Potential Spawning? Yes, No Potential Rearing? Yes, No

pH (0-14): 6.49

Dissolved Oxygen (mg/L, %): 6.49 mg/L

Temperature (°C): 10.1°C

Conductivity (indicate µS or mS): ~~307 µS~~ 319 µS

Specific Conductance (indicate µS or mS): _____

Salinity (ppt): 0.3

TDS (ppm): _____

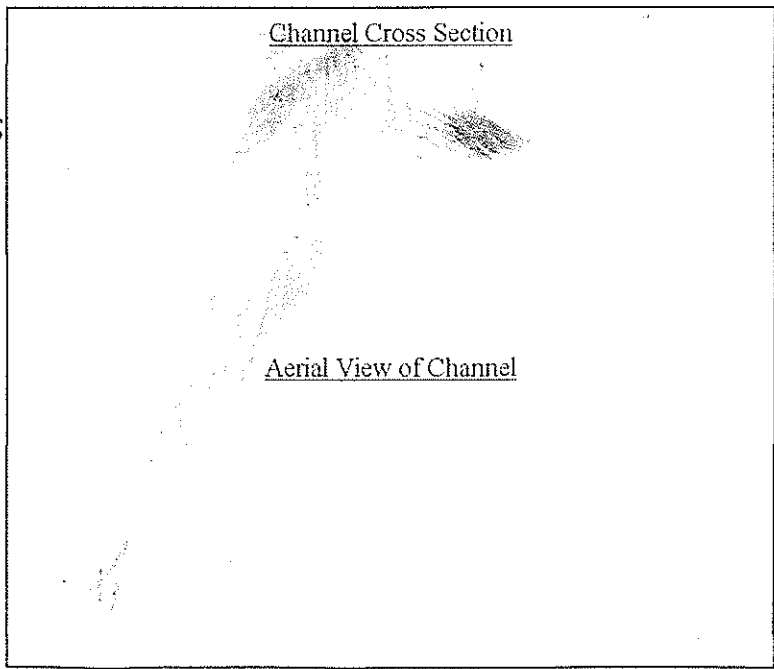
Hardness: _____

Carbon Dioxide: 14 ppm

Turbidity (NTUs): 2.1

Coliform Bacteria: positive

Other Observations: _____



~~Stream Characterization~~ and Water Quality Sampling Field Data Sheet

Date: 1-6-05	Investigator(s): Brian Holly / Zach Hanstad	Site ID #: 18
Time: 2:35	Lat.: 34.43160°	Long: 119.25956°
Photo No(s): /	Photo Notes: Not available	Waypoint # 077

Drainage/Creek Name: Pel Norte Creek

Site Location: /

General Flow Conditions: Somewhat strong flow

Channel Morphology (include stream banks): Natural drainage with sedimentary rock banks

Water Depth (3 cross sectional measurements in ft/in): 2' 7' 2' Average Depth (ft/in) 3.67'

Water Width (ft/in) 3'

Stream Velocity ([10] feet / [?] seconds) 10' in 9 sec = 1.11

Discharge (CFS) 12.23

Stream Habitat Type: Pool, Riffle, Run

Inundated? Yes, No

Cover Type: Over-hanging Vegetation, Submerged Boulders, Logs, Root Wads,
 Submerged Vegetation, Undercut Banks, Other

Instream: Grasses, golf balls, palm shoots

Riparian Habitat: Unnatural, with some coast live oak

Shading (%): 70-80%

Substrate Composition: Cobble, larger rocks

Particle Size Range: medium sized rocks with cobble in pools

Potential Spawning? Yes, No

Potential Rearing? Yes, No

pH (0-14): 7.76

Dissolved Oxygen (mg/L, & %): 10.44 mg/L, 93.7%

Temperature (°C): 9.8°C

Conductivity (µS / mS): 1157 µS

Specific Conductance (µS / mS): 1630 µS

Salinity (ppt): .8 ppt

Carbon Dioxide: 16 ppm

Turbidity (NTUs): 0.03

Coliform Bacteria: Pos.

Other Observations: Noise from construction on Hermosa Rd.

Channel Cross Section

Wildlife:
Female adult deer crossing-fairway.

Aerial View of Channel