

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Elizabeth Erickson
Waterbody Name: Santa Clara River
Location: Long gauge trailer park at Shickelback
Date and time of collection: 8/5/99 1200h

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 65 (F)
Most recent rain (if applicable) 6 days
Stream Depth: (approx.) 3/4 Width: (approx.) 18'
Velocity ft/sec Flow: cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky
7 pieces (S.S.) in 20 sec
Color: (circle) clear pale yellow yellow amber
brown green other
Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 14.4 C DO mg/L Turb = 0
pH 7.7 Conduct. mS/cm

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral Coliform VOCs
TDS, Cl, SO4, B BOD TPH
NO3, NO2, NH3 MBAS Pesticides
P Metals Other

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other

Likely source(s) of water in stream:

- ☒ Rising GW (seems more water flow upstream)
- ☐ Reclaimed water (municipal effluent)
- ☒ Urban runoff
- ☒ Agricultural runoff
- ☒ Natural runoff (i.e. snowmelt, rainfall)
- ☐ Releases from upstream dam
- ☐ Unknown

Other comments: weeds on side, clear flow, no fish seen, but
fish pool.
DJS 12/15/92

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Elizabeth Erickson
Waterbody Name: Santa Clara River
Location: Santa Clara River Elm Camp II
Date and time of Collection: 5/5/99

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 65 (F)
Most recent rain (if applicable) _____
Stream Depth: (approx.) 1/2 Width: (approx.) 5
Velocity _____ ft/sec Flow: _____ cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky
Color: (circle) clear pale yellow yellow amber
brown green other _____

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 15 C
pH 7.8

DO _____ mg/L Turb 0
Conduct. 9 mS/cm

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral Soliform VOCs
TDS, Cl, SO₄, B BOD
NO₃, NO₂, NH₃ MBAS
P Metals Pesticides
Other _____

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other _____

Likely source(s) of water in stream:

☐ Rising GW
☐ Reclaimed water (municipal effluent)
☒ Urban runoff
☒ Agricultural runoff
☒ Natural runoff (i.e. snowmelt, rainfall)
☐ Releases from upstream dam
☐ Unknown

Other comments: some algae, disturbance (people - trailers)
DJS 12/15/92 water cross downstream.

From: Elizabeth Erickson
To: Jonathan Bishop, Myriam Zech, Paul Hinkston, T...
Date: 4/30/99 9:03AM
Subject: Santa Clara Sampling

This is our sample site schedule for Monday and Tuesday, Mar 3 and 4. Paul and Myriam, Please confirm your concurrence with this schedule.

Elizabeth home phone 626 794 8237

Monday

Paul, Myriam and Elizabeth all driving separately. Myriam leave car at Fillmore. Elizabeth bringing the Horiba, bottles and equipment.

7:30 AM meet at IHOP restaunt in Fillmore. Corner of 123 Highway and A street.
 7:35 leave for Sespe Creek at 123 (about 2 miles west), west pier
 7:45 arrive, collect Cl, Col, N
 8:10 depart for Santa Paula at 150 (about 15 miles west)
 8:30 arrive, collect Cl, Col, N
 8:50 depart for Freeman Diversion
 9:20 arrive, collect Cl, Col, N
 9:45 depart for Santa Clara at 101 (North beach road 15 miles west)
 10:15 arrive collect Gen Min, Col, N, 3P
 11:00 depart for Santa Clara at highway north of McGarth beach (15 miles NW)
 11:30 arrive, collect Cl, N, Col, 7P
 12:00 Paul leave for DHS lab with Col to be delivered by 1:00
 12:30 Depart for Santa Clara at A street in Fillmore (35 miles east)
 1:15 arrive, collect Cl, N
 1:30 Myriam depart for appointment. Elizabeth depart for Blue Cut
 2:00 arrive, collect Gen Min, N
 2:30 depart for DHS lab with remainder of samples delivered by 4:00

Tuesday

Paul driving in state car, Elizabeth driving separately. Elizabeth bringing the Horiba, bottles and equipment.

6:00 Elizabeth depart for Piru Creek at Center Street
 7:00 arrive, collect Cl, Col, N *IHOP*
 7:30 depart for Magic Mountain
 7:00 Paul depart for Magic Mountain from office with state car
 8:00 meet at Maire Calendars at Magic Mountain exit off 5, Elizabeth leave car
 8:05 depart for Santa Clara river at west pier 99
 8:15 arrive, sample Cl, Col, N
 8:45 depart for Santa Clara at Bouquet Creek (5 miles NE)
 9:15 arrive, sample Cl, Col, N
 9:45 depart for Santa Clara at Lang gauge on Soledad Canyon Road (15 miles NE)
 10:30 arrive, sample Cl, Col, N
 11:00 leave for Santa Clara at Soledad Campground (5 miles east)
 11:30 arrive, sample for Cl, Col, N
 12:00 pick up car, leave for DHS lab for delivery of bacteria samples by 1:00

Freeman diversion-

126 W off on Wells Road / Los Angeles / 118
 head towards river, over bridge, stop light through
 1 block, turn left sign (United percolation lps)
 on entry road, next to diversion canal, locked gate, *electronic gate* **1950**
 turn left - turn right between covered arroyo. *ROAD PAST. BUILDING PAST*

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Elizabeth Enck
Waterbody Name: San Gabriel
Location: Filman A
Date and time of Collection: 5/5/99

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 65 (F)
Most recent rain (if applicable) today
Stream Depth: (approx.) _____ Width: (approx.) _____
Velocity _____ ft/sec Flow: _____ cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky
Color: (circle) clear pale yellow yellow amber
brown green other _____
Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. _____ C DO _____ mg/L
pH _____ Conduct. _____ mS/cm

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral Coliform VOCs
TDS, Cl, SO₄, B BOD TPH
NO₃, NO₂, NH₃ MBAS Pesticides
P Metals Other _____

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other _____

Likely source(s) of water in stream:

☐ Rising GW
☐ Reclaimed water (municipal effluent)
☒ Urban runoff
☒ Agricultural runoff
☒ Natural runoff (i.e. snowmelt, rainfall)
☒ Releases from upstream dam
☐ Unknown

Other comments: _____

DJS 12/15/92

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Elizabeth Erickson
Waterbody Name: Santa Clara River
Location: Pin Creek at Center
Date and time of Collection: 5/5/99

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 65 (F)
Most recent rain (if applicable) 10 days
Stream Depth: (approx.) 2' Width: (approx.) 20'
Velocity ft/sec Flow: cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky

6x5.5' in 1 minute

Color: (circle) clear pale yellow yellow amber
brown green other

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 13.3 C
pH 7.2

DO mg/L
Conduct. 9 mS/cm

Turb. 10

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral	<u>Coliform</u>	VOCs
TDS, <u>Cl</u> , SO ₄ , B	BOD	TPH
<u>NO₃, NO₂, NH₃</u>	MBAS	Pesticides
P	Metals	Other <u> </u>

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other

Likely source(s) of water in stream:

 Rising GW
 Reclaimed water (municipal effluent)
X Urban runoff
X Agricultural runoff
X Natural runoff (i.e. snowmelt, rainfall)
X Releases from upstream dam
 Unknown

Other comments: algal map, weed, livestock use
DJS 12/15/92 and adjacent horse farm

Chiquita Canyon Landfill

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Elizabeth Erickson
Waterbody Name: Santa Clara River
Location: West pier 99
Date and time of Collection: 5/5/99

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 65 (F)
Most recent rain (if applicable) 10 days
Stream Depth: (approx.) 1.5' Width: (approx.) 20'
Velocity ft/sec Flow: cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky

10 paces @ 5.5' in 15 sec

Color: (circle) clear pale yellow yellow amber
brown green other

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 17.5 C
pH 7.5

DO mg/L
Conduct. 2 mS/cm

Turb = 0

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral Coliform VOCs
TDS, Cl, SO₄, B BOD TPH
NO₃, NO₂, NH₃ MBAS Pesticides
P Metals Other

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other

Likely source(s) of water in stream:

- Rising GW
 Reclaimed water (municipal effluent)
X Urban runoff
X Agricultural runoff
X Natural runoff (i.e. snowmelt, rainfall)
 Releases from upstream dam
 Unknown

Other comments: Stinky Storm drain upstream.

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highway workers upstream

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Elizabeth Erickson
Waterbody Name: Santa Clara
Location: Boque Creek
Date and time of Collection: _____

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 65 (F)
Most recent rain (if applicable) today
Stream Depth: (approx.) 1/2 Width: (approx.) 15
Velocity _____ ft/sec Flow: _____ cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky
18 sec - 10 paces @ 5.5 ft
Color: (circle) clear pale yellow yellow amber
brown green other _____
Clarity: (circle) clear turbid same suds.

Field Chemistry: (Hydrolab)

Temp. 21.3 C
pH 7.3

DO _____ mg/L
Conduct. 400 mS/cm

Turbidity 000

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral Coliform VOCs
TDS, Cl, SO₄, B BOD
NO₃, NO₂, NH₃ MBAS
P Metals Other _____

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other _____

Likely source(s) of water in stream:

____ Rising GW
____ Reclaimed water (municipal effluent)
X Urban runoff
X Agricultural runoff
X Natural runoff (i.e. snowmelt, rainfall)
____ Releases from upstream dam
____ Unknown

Other comments: Suds / Foam

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LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Elizabeth Erickson
Waterbody Name: SE river
Location: Blue Cut
Date and time of Collection: 5/4/99

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 60 (F)
Most recent rain (if applicable) 5 days
Stream Depth: (approx.) 1/2 - 1 Width: (approx.) 29 @ 2.5'
Velocity ft/sec Flow: cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky

8 paces @ 2.5' in 15 sec
Color: (circle) clear pale yellow yellow amber
faster in center brown green other

Clarity: (circle) clear turbid turb 10 -

Field Chemistry: (Hydrolab)

Temp. 20.3 C DO mg/L
pH 7.5 Conduct. 9 mS/cm

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral California VOCs
TDS, ~~SO4~~, B BOD
NO3, NO2, NH3 MBAS
P Metals Other

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other

Likely source(s) of water in stream:

 Rising GW
 Reclaimed water (municipal effluent)
 Urban runoff
 Agricultural runoff
 Natural runoff (i.e. snowmelt, rainfall)
 Releases from upstream dam
 Unknown

Other comments: agg mat ag runoff drain w/ salt dep.
just downstream.

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LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
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SURFACE WATER SAMPLING FIELD SHEET

Sampler: Elizabeth Erickson
Waterbody Name: SC river
Location: Fillmore A street
Date and time of Collection: 5/4/99

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 60 (F)
Most recent rain (if applicable) 5 days
Stream Depth: (approx.) 3/4 feet Width: (approx.) 20 steps
Velocity 2.5 ft/sec Flow: 2.5 cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky

Color: (circle) clear pale yellow yellow amber
brown green other
15 paces @ 5.5' and 20 sec at 2.5 ft/sec.
Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 18.0 C
pH 7.9

DO 9 mg/L Turb = 0
Conduct. 9 mS/cm

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral coliform VOCs
TDS, CD, SO₄, B BOD
NO₃, NO₂, NH₃ MBAS
P Metals Other

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other

Likely source(s) of water in stream:

- ☐ Rising GW
☐ Reclaimed water (municipal effluent)
☒ Urban runoff
☒ Agricultural runoff
☒ Natural runoff (i.e. snowmelt, rainfall)
☐ Releases from upstream dam
☐ Unknown

Other comments: much algal mat growth.

DJS 12/15/92

horse pasture & manure downstream
160 feet
60 sec
5.5
7.5
7.5
8 2.5

SURFACE WATER SAMPLING FIELD SHEET

Field Observations:

DJS 12/15/92

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
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SURFACE WATER SAMPLING FIELD SHEET

Sampler: Elizabeth Erickson
Waterbody Name: SC river
Location: Santa Paula at 150 SC Santa Paula 599
Date and time of Collection: 5/4/99

Field Observations:

Weather: (circle) clear sunny overcast raining

Approximate air temp. 60 (F)

Most recent rain (if applicable) 5 days

Stream Depth: (approx.) see Width: (approx.) 75'

Velocity 25 seconds @ 10 paces x 5.5 ft ft/sec Flow: see cfs (est. or calculated?)

Bottom Substrate: (circle) concrete mud sand cobble rocky

Color: (circle) clear pale yellow yellow amber
brown green other

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 11.8 C
pH 7.7

DO 0.8 mg/L
Conduct. 0.8 mS/cm

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral
TDS, Cl, SO₄, B
NO₃, NO₂, NH₃
P

Coliform
BOD
MBAS
Metals

VOCs
TPH
Pesticides
Other

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other

Likely source(s) of water in stream:

- ☐ Rising GW
☐ Reclaimed water (municipal effluent)
☐ Urban runoff
☒ Agricultural runoff
☒ Natural runoff (i.e. snowmelt, rainfall)
☐ Releases from upstream dam
☐ Unknown

Other comments:

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fish, ag pump sump, waterfall, suds
algae mat and sediment
just upstream from diversion

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
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Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Elizabeth Erickson
Waterbody Name: SC river
Location: Freeman Diversion
Date and time of Collection: 5/4/99

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 60 (F)
Most recent rain (if applicable) 5 days
Stream Depth: (approx.) est 12 1/2 - 13 ft Width: (approx.) 400'
Velocity ft/sec Flow: cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky
2 repeats @ 5.5' at 1 min 20 sec
Color: (circle) clear pale yellow yellow amber
 brown green other
Clarity: (circle) clear turbid *turbidity 1-*
depth est 9 ft
Yuan
3 ft - 8
operator report
130 cfs/sec

Field Chemistry: (Hydrolab)

Temp. 13°C C
pH 7.5

DO mg/L
Conduct. 0.2 mS/cm

Were water quality samples taken during this site visit? (Y) N

Circle: Gen. Mineral Coliform VOCs
 TDS, (C), SO₄, B BOD
 NO₃, NO₂, NH₃ MBAS
 P Pesticides
 Metals Other

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other

Likely source(s) of water in stream:

- Rising GW
 Reclaimed water (municipal effluent)
X Urban runoff
X Agricultural runoff
X Natural runoff (i.e. snowmelt, rainfall)
X Releases from upstream dam
 Unknown

Other comments: foam, silt, floating debris eqn 13
DJS 12/15/92 King Fisher

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Elizabeth Erickson
Waterbody Name: Seat 101 Santa Clara River
Location: _____
Date and time of Collection: 5/4/99

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 60 (F)
Most recent rain (if applicable) 6 days
Stream Depth: (approx.) 12 in Width: (approx.) 53 x 4
Velocity _____ ft/sec Flow: _____ cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky
Color: (circle) clear pale yellow yellow amber
brown green other _____

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 17 C
pH 7.5

DO _____ mg/L
Conduct. .1 mS/cm

Were water quality samples taken during this site visit? Y

Circle: Gen. Mineral
TDS, Cl, SO4, B
NO3, NO2, NH3
P

Coliform
BOD
MBAS
Metals

VOCs
TPH
3 Pesticides
Other _____

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other _____

Likely source(s) of water in stream:

- ____ Rising GW
____ Reclaimed water (municipal effluent)
X Urban runoff
X Agricultural runoff
X Natural runoff (i.e. snowmelt, rainfall)
X Releases from upstream dam
____ Unknown

Other comments: bird life, milans

DJS 12/15/92

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Elizabeth Erickson
Waterbody Name: San River
Location: Santa Clara at Ocean (McGrath Beach)
Date and time of Collection: 5/4/99

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 60 (F) 54 x 2.5'
Most recent rain (if applicable) 5 days ago
Stream Depth: (approx.) 6 in - 12 in Width: (approx.) 21 paces x 5.5'
Velocity ft/sec Flow: cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky
Color: (circle) clear pale yellow yellow amber
brown green other

15 sec travel 20'

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 18.7 C
pH 7.5

DO mg/L turbid - water clear
Conduct. .5 mS/cm mid-stream
brown foam/black dirt on sides

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral Coliform VOCs
TDS, SO4, B BOD TPH
NO3, NO2, NH3 MBAS Pesticides
P Metals Other

of stream

Predominant Land Use in the area (circle all that apply):

residential commercial industrial agricultural
rural forested other

Likely source(s) of water in stream:

 Rising GW
 Reclaimed water (municipal effluent)
 X Urban runoff
 X Agricultural runoff
 X Natural runoff (i.e. snowmelt, rainfall)
 X Releases from upstream dam
 Unknown

Some trash
along banks
(condoms, cans)

Other comments:

DJS 12/15/92

Santa Clara River
4-2

Sampling Results - June 30, 2002

Location	date-time	NH4-N		NO3-N		PO4-P	
		uM	mg/l	uM	mg/l	uM	mg/l
Santa Clara @ Todd and Railroad	SC10 6/30/02 15:10	<DL	<DL	875.3	12.25	2.9	
Santa Clara @ Hallock	SC11 6/30/02 12:05	<DL	<DL	160.6	2.25	1.6	
Santa Clara @ NRNA-M	SC12 6/30/02 13:45	0.1	0.00112	219.6	3.07	1.8	
Santa Clara @ NRNA-N	SC13 6/30/02 14:10	<DL	<DL	367.8	5.15	2.6	
Santa Clara @ Filmore A Street	SC14 6/30/02 13:35	0.3	0.00476	53.9	0.75	1.3	
Santa Clara @ Old Railroad Bridge	SC15 6/30/02 10:05	2.4	0.03318	256.0	3.58	2.9	
Santa Clara @ Rivers End	SC16 6/30/02 12:15	<DL	<DL	<DL	<DL	2.3	

< DL - Less than Detection Limit

(32)

PO4-P
mg/l

0.09

0.05

0.05

0.08

0.04

0.09

0.07

From: Elizabeth Erickson
To: "keller@bren.ucsb.edu".mime.Internet; Ashli Cooper; Bert Rapp (E-mail); Brandon Steets; Brian Louie (E-mail); Dan Detmer (E-mail); Diane Sanchez (E-mail); Fruit Growers Lab (SECT9) (E-mail); Heather Lamberson (E-mail); Heather Merenda (E-mail); Jayme Laber (E-mail); Jim Adams (E-mail); Jonathan Bishop; Judith Talbot (E-mail); Mark Subbotin (E-mail); Martin Hernandez (E-mail); Morgan Wehtje (E-mail); Norm Brown; Norm Wilkinson (E-mail); Ofori Amoah (E-mail); Oleg Daugovich (E-mail); Peter Brand (E-mail); Randal Orton (E-mail); Rex Laird (E-mail); Richard Sweet (E-mail); Ron Bottorff (E-mail); Samuel Unger; Sharon Landau (E-mail); Steve Bachman (E-mail); Suk Chong (E-mail); Ted Cartee (E-mail); Timothy Robinson (E-mail); TJ Kim (E-mail); Tony Emmert (E-mail); Travis Lang (E-mail); Vicky Conway (E-mail)
Date: 6/17/02 2:53PM
Subject: Comments on modeling

Thanks for a great job on the source analysis for the model. Arturo, at your convenience, but before Thursday, we'd like to chat about the points raised below.

These are RWQCB comments

a) loading values in this analysis vary from with those developed by other nutrient modelers for our region. We need to determine the correct assumptions for surface runoff, septic discharge, atmospheric deposition, and fertilizer rates.

Comparison of Total Nitrogen lbs/yr-acre

By land use type

Santa Clara (Systech): ag 1035-1399, open space .007-.027, urban 500-917
Tetrattech National Export Coeff: ag: 10-16, open space 3-6, urban 4-10
LA River (EFDC WASP Tetrattech): ag .73, open space .33, urban 1.1
California (SQWRP): ag 2.5-3.7, open space .9, urban 2.6-3.8
Calleguas watershed (Walker): ag:117, open space 1.6, urban 1.8
Malibu (HSPF Tetrattech) ag 18.2-74.7, open space 1.4-21.26, urban 3.9-9.7

Atmospheric Deposition lbs tot N per day

Santa Clara (Systech): .008-.015

Malibu (Tetrattech): .06

Fertilizer applkication rates

Santa Clara (Systech) 1058-2484 (half ammonia)

Ventura Farm Bureau 181-1500 (no ammonia, all drip applied)

Ventura UC Coop 50-150 (no ammonia, close to 100% uptake as based on tissue analysis)

Septic Loading rates

Santa Clara (Systech) 162 liter/capita/day 32mg/L ammonia

Malibu (Tetrattech) 416 lit/day-cap 30-60 mg/L ammonia

90% - 80%
assimilation

urban -

(b) loading categories While the model includes a representation of all non point sources, it makes generalizations which may limit our ability to develop a workable implementation plan. Specifically, the malibu TMDL quantified significant loads from wildlife, horse and animal properties. golf courses, sediment release, and imported water. We recommend that each of these be examined. While some of these may be included in the land use loading assumptions, they are not specified. Their absence prevents reducing these non point source loads so as to optimize point source discharge.

Malibu (HSPF Tetrattech) Tot N in lbs/yr-acre with

Commercial/Industrial 9.7
High/Med. Density Residential 4.2
Low Density Residential 4.8
Rural Residential 3.9
Agriculture/Livestock 18.2
Vacant 2.28
Chaparral/Sage Scrub 2.4
Grasslands 2.2
Woodlands 1.4

#00

Golf Course Fertilization 74.7
Open Space 21.26

(c) Land use coverage. We made specific suggestions as to how to improve the land use coverage applied for Ventura and LA County. Again, these numbers are critical in correctly quantifying nonpoint source. The agricultural land use totals are different than those provided by UC coop. I have asked the Ventura County Farm Bureau to provide us with an accurate number so we can at least know the size of the error.

(d) Administrative record and data files. We maintain an administrative record which includes a copy of each of the data submissions that were included in the model. If you do not use data which we provided, we need to know what was not used and why. In addition, We need copies of all the other data sets you received, unless they are going to be included entirely in the model report. While this may sound like a detail, the Regional Board has approved things which never were established because of lack of an administrative detail.

(e) Calibration and Drought critical conditions. The source data sets need to be divided to specify those which do not contain information about the drought critical condition, which needs to be modeled specifically. Also the periods of time to be used for calibration should be identified so that the critical source data will be specified.

(f) Groundwater recharge and discharge. The model needs to show significant loading to and from groundwater within the stream. Steve Bachman and I will meet on Wednesday to come up with a specific set of recommendations. As a general guideline I would be expecting something like this, based largely on the 1998 USGS study:

Possible representation of Groundwater gains and losses

Drought Years (1989-1991)

Reach 6 Bouquet Canyon Bridge to Highway 99- Loss of all flow modeled as equally spaced diversions permanently removing water to deep aquifer

Reach 5 Highway 99 to LA County line- Gain of flow equal to Saugus outfall modeled as equally spaced point sources moving water from shallow subsurface to river.

Reach 5 Castaic to river: Loss of all flow modeled as equally spaced diversions permanently moving water to deep aquifer.

Reach 5 downstream of LA County line to intersection with Piru Creek- Loss of all flow modeled as equally spaced 'diversions' permanently removing water to the deep aquifer

SCR Above Sespe Creek (Fillmore)- Loss of flow equal to 100 cfs modeled as equally spaced diversions between Hopper Creek and Fillmore moving water from river into shallow subsurface.

SCR Reach 3 (Santa Paula)- Gain of flow equal to 25 cfs modeled as equally spaced point sources moving water from shallow subsurface to river.

Average years

Years (1992-95)

Winter November-April

Reach 6 Bouquet Canyon Bridge to Highway 99- No Loss of flow

Reach 5 Highway 99 to LA County line- Gain of flow equal to Saugus outfall modeled as equally spaced point sources moving water from shallow subsurface to river.

Reach 5 Castaic to river: No loss of flow

Reach 5 downstream of LA County line to intersection with Piru Creek- Loss of 50 cfs modeled as equally spaced 'diversions' moving water to shallow aquifer

SCR Above Sespe Creek (Fillmore)- Gain of flow equal to 50 cfs modeled as equally spaced point sources moving water from shallow subsurface to river.

SCR Reach 3 (Santa Paula)- Gain of flow equal to 70 cfs modeled as equally spaced point sources moving water from shallow subsurface to river.

Summer May-October

Reach 6 Bouquet Canyon Bridge to Highway 99- Loss of all flow modeled as equally spaced diversions permanently removing water to deep aquifer

Reach 5 Highway 99 to LA County line- Gain of flow equal to Saugus outfall modeled as equally spaced point sources moving water from shallow subsurface to river.

Reach 5 Castaic to river: Loss of all flow modeled as equally spaced diversions permanently moving water to shallow aquifer.

Reach 5 downstream of LA County line to intersection with Piru Creek- Loss of 50 cfs modeled as equally spaced 'diversions' permanently removing water to the deep aquifer

SCR Above Sespe Creek (Fillmore)- Gain of flow equal to 10 cfs modeled as equally spaced diversions between Hopper Creek and Fillmore moving water from river into shallow subsurface.

SCR Reach 3 (Santa Paula)- Gain of flow equal to 25 cfs modeled as equally spaced point sources moving water from shallow subsurface to river.

(g) septic. Many of the tracts in Acton contain septic systems. We need to discuss your use of these records to ensure that they do not duplicate the septic loading you calculate later. Further, as this is a prime area for non point source control, we need a more accurate estimate of the number of septic. I have contacted the septic task force in which Los Angeles County participates and I will inquire of the correct number, loading rates, and failure rates.

(h) Castaic and Lake Piru discharge: imported water was identified in the Malibu TMDLs as a significant source of nutrients during dry weather. We need more accurate values for this discharges.

(i) urban runoff: I have provided a shape file of storm drains for LA county. We need to quantify the urban area which is not serviced by storm drains and allocate the urban run off loading coefficients to those areas. Further, these values need to be consistent with those published by the Los Angeles County at www.ladpw.org/wmd/npdes/report.

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption

***For a list of simple ways to reduce demand and cut your energy costs, see the tips at:
<http://www.swrcb.ca.gov/news/echallenge.html> ***

CC: Herr, Joel

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Erickson Burren Citizen Monitoring Group
Waterbody Name: Santa Clara River
Location: Fish Hatchery Pond 3 at let
Date and time of Collection: June 1 02 3:15

Field Observations:

Weather: (circle) clear sunny overcast raining

Approximate air temp. _____ (F)

Most recent rain (if applicable) _____

Stream Depth: (approx.) 22 inches Width: (approx.) 3.25 meters

Velocity _____ ft/sec Flow: _____ cfs (est. or calculated?)

Bottom Substrate: (circle) concrete mud sand cobble rocky

Color: (circle) clear pale yellow yellow amber
brown green other _____

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 18.2, 18.2, 18.3 C

pH 7.47, 7.47, 7.5

* DO

6.5

mg/L

by titration

Conduct. 1.61, 1.61, 1.60 mS/cm

7.5, 7.5, 7.5, 7.6 by titration

Were water quality samples taken during this site visit? (Y) N

Circle: Gen. Mineral

TDS, Cl, SO4, B

NO3, NO2, NH3

P

Coliform

BOD

MBAS

Metals

VOCs

TPH

Pesticides

Other _____

Predominant Land Use in the area (circle all that apply):

residential commercial industrial agricultural

rural forested other _____

Likely source(s) of water in stream:

- ☒ Rising GW
☐ Reclaimed water (municipal effluent)
☐ Urban runoff
☐ Agricultural runoff
☐ Natural runoff (i.e. snowmelt, rainfall)
☐ Releases from upstream dam
☐ Unknown

Other comments:

fish hatchery discharge

DJS 12/15/92

SAL .07, .07, .07

turbidity 10-29, 21-32, 28-63

* ammonia-N by titration = 1 mg-L

Sanitation and Radiation Laboratory Branch
State of California-Department of Health Services
1449 West Temple Street, Suite 101
Los Angeles CA 90026-5698

Lab No. 206-8793-01

Serial No: 1

Received: June 11, 2002

Sampled: 06/11/02 - 2:30

Collector: ELIZABETH ERICKSON

Water Quality Control Board
Los Angeles Region (4)
320 West 4th Street #200
Los Angeles CA 90013

Source: SANTA CALLEQUAS CREEK
Sample pt: TAPO CK BLW LAST CYN
System No:

Billed to: Water Quality Control Board
Los Angeles Region (4)
Type of sample: Surface water

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
pH	EPA 150.1	00403	7.88		0.1
Specific Conductance	EPA 120.1	00095	2070	µmho/cm	20
Total dissolved solids	EPA 160.1	70300	2110	mg/L	10
Alkalinity:	EPA 310.1				
Total Alkalinity (as equivalent CaCO3)		00410	394	mg/L	1
Bicarbonate (as HCO3)		00440	481	mg/L	1
Carbonate (as CO3)		00445	<RL	mg/L	1
Hydroxide (as OH)		71930	<RL	mg/L	1
Hardness	EPA 130.2	00900	1110	mg/L	1
Calcium	EPA 200.7	00916	330	mg/L	1
Magnesium	EPA 200.7	00927	98.9	mg/L	1
Sodium	EPA 200.7	00929	218	mg/L	5
Potassium	EPA 200.7	00937	10.4	mg/L	0.1
Iron	EPA 200.7	01045	<RL	mg/L	0.1
Manganese	EPA 200.7	01055	<RL	mg/L	0.03
Chloride	EPA 300.0	00940	151	mg/L	1
Fluoride	EPA 300.1	00951	0.65	mg/L	0.1
Sulfate	EPA 300.0	00945	947	mg/L	1
Nitrate nitrogen	EPA 300.0	71850	<RL	mg/L	0.1
Nitrite nitrogen	EPA 300.0	00630	<RL	mg/L	0.03

RECEIVED
JUL 15 PM 2:21
LOS ANGELES REGIONAL WATER
QUALITY CONTROL BOARD
LOS ANGELES REGION

J. Raulinatis
Lead Person/Supervisor

7.15.02
Date

Sanitation and Radiation Laboratory Branch
State of California-Department of Health Services
1449 West Temple Street, Suite 101
Los Angeles CA 90026-5698

Lab No. 206-8812-01 to 206-8820-01

Samples received: June 30,2002

Collector: ERICKSON

Water Quality Control Board
Los Angeles Region (4)
320 West 4th Street #200
Los Angeles CA 90013

Source: SANTA CLARA RIVER
System No:

Billed to: Water Quality Control Board
Los Angeles Region (4)

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
Lab no: 206-8812-01	Submitter's no: #1EHE: Surface water sampled on 06/30/02 (10:15) - OLD TRESTLE				
pH	EPA 150.1	00403	7.81		0.1
Specific Conductance	EPA 120.1	00095	1100	µmho/cm	20
Total dissolved solids	EPA 160.1	70300	796	mg/L	10
Alkalinity:	EPA 310.1				
Total Alkalinity (as equivalent CaCO3)		00410	237	mg/L	1
Bicarbonate (as HCO3)		00440	289	mg/L	1
Carbonate (as CO3)		00445	<RL	mg/L	1
Hydroxide (as OH)		71930	<RL	mg/L	1
Hardness	EPA 130.2	00900	265	mg/L	1
Calcium	EPA 200.7	00916	85.3	mg/L	1
Magnesium	EPA 200.7	00927	28.2	mg/L	1
Sodium	EPA 200.7	00929	136	mg/L	5
Potassium	EPA 200.7	00937	10.6	mg/L	0.1
Iron	EPA 200.7	01045	<RL	mg/L	0.1
Manganese	EPA 200.7	01055		mg/L	0.03
Chloride	EPA 300.0	00940	138	mg/L	1
Fluoride	EPA 300.1	00951	0.37	mg/L	0.1
Sulfate	EPA 300.0	00945	171	mg/L	1
Nitrate nitrogen	EPA 300.0	71850	2.92	mg/L	0.1
Nitrite nitrogen	EPA 300.0	00630	0.39	mg/L	0.03
Boron	EPA 200.7	01022	683	µg/L (ppb)	100

Lab no: 206-8813-01	Submitter's no: #3EHE: Surface water sampled on 06/30/02 (10:15) - OLD TRESTLE				
Ammonia nitrogen	EPA 350.2	00610	0.13	mg/L	0.05
Total Kjeldahl Nitrogen	EPA 351.3		0.96	mg/L	0.05

Lab no: 206-8814-01	Submitter's no: #2EHE: Surface water sampled on 06/30/02 (10:15) - OLD TRESTLE				
pH	EPA 150.1	00403	7.86		0.1
Specific Conductance	EPA 120.1	00095	1100	µmho/cm	20
Total dissolved solids	EPA 160.1	70300	733	mg/L	10
Alkalinity:	EPA 310.1				
Total Alkalinity (as equivalent CaCO3)		00410	237	mg/L	1
Bicarbonate (as HCO3)		00440	289	mg/L	1
Carbonate (as CO3)		00445	<RL	mg/L	1
Hydroxide (as OH)		71930	<RL	mg/L	1
Hardness	EPA 130.2	00900	317	mg/L	1
Calcium	EPA 200.7	00916	86.0	mg/L	1

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
Lab. no: 206-8814-01 continued.					
Magnesium	EPA 200.7	00927	28.3	mg/L	1
Sodium	EPA 200.7	00929	137	mg/L	5
Potassium	EPA 200.7	00937	10.5	mg/L	0.1
Iron	EPA 200.7	01045	<RL	mg/L	0.1
Manganese	EPA 200.7	01055	<RL	mg/L	0.03
Chloride	EPA 300.0	00940	143	mg/L	1
Fluoride	EPA 300.1	00951	0.38	mg/L	0.1
Sulfate	EPA 300.0	00945	174	mg/L	1
Nitrate nitrogen	EPA 300.0	71850	3.44	mg/L	0.1
Boron	EPA 200.7	01022	685	µg/L (ppb)	100
Nitrite nitrogen	EPA 300.0	00630	0.37	mg/L	0.03

Lab no: 206-8815-01	Submitter's no: #4EHE: Surface water sampled on 06/30/02 (10:15) - OLD TRESTLE				
Ammonia nitrogen	EPA 350.2	00610	0.10	mg/L	0.05
Total Kjeldahl Nitrogen	EPA 351.3		0.73	mg/L	0.05

Lab no: 206-8816-01	Submitter's no: #5EHE: Surface water sampled on 06/30/02 (10:15) - OLD TRESTLE				
pH	EPA 150.1	00403	7.96		0.1
Specific Conductance	EPA 120.1	00095	1100	µmho/cm	20
Total dissolved solids	EPA 160.1	70300	790	mg/L	10
Alkalinity:	EPA 310.1				
Total Alkalinity (as equivalent CaCO3)		00410	236	mg/L	1
Bicarbonate (as HCO3)		00440	288	mg/L	1
Carbonate (as CO3)		00445	<RL	mg/L	1
Hydroxide (as OH)		71930	<RL	mg/L	1
Hardness	EPA 130.2	00900	307	mg/L	1
Calcium	EPA 200.7	00916	85.0	mg/L	1
Magnesium	EPA 200.7	00927	28.4	mg/L	1
Sodium	EPA 200.7	00929	136	mg/L	5
Potassium	EPA 200.7	00937	10.8	mg/L	0.1
Iron	EPA 200.7	01045	<RL	mg/L	0.1
Manganese	EPA 200.7	01055	<RL	mg/L	0.03
Chloride	EPA 300.0	00940	146	mg/L	1
Fluoride	EPA 300.1	00951	0.37	mg/L	0.1
Sulfate	EPA 300.0	00945	175	mg/L	1
Nitrate nitrogen	EPA 300.0	71850	3.76	mg/L	0.1
Boron	EPA 200.7	01022	688	µg/L (ppb)	100
Nitrite nitrogen	EPA 300.0	00630	0.34	mg/L	0.03

Lab no: 206-8817-01	Submitter's no: #6EHE: Surface water sampled on 06/30/02 - RIVERS END				
pH	EPA 150.1	00403	8.03		0.1
Specific Conductance	EPA 120.1	00095	900	µmho/cm	20
Total dissolved solids	EPA 160.1	70300	583	mg/L	10
Alkalinity:	EPA 310.1				
Total Alkalinity (as equivalent CaCO3)		00410	302	mg/L	1
Bicarbonate (as HCO3)		00440	368	mg/L	1
Carbonate (as CO3)		00445	<RL	mg/L	1
Hydroxide (as OH)		71930	<RL	mg/L	1

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
Lab. no: 206-8817-01 continued.					
Hardness	EPA 130.2	00900	348	mg/L	1
Calcium	EPA 200.7	00916	97.6	mg/L	1
Magnesium	EPA 200.7	00927	26.4	mg/L	1
Sodium	EPA 200.7	00929	73.9	mg/L	5
Potassium	EPA 200.7	00937	2.74	mg/L	0.1
Iron	EPA 200.7	01045	<RL	mg/L	0.1
Manganese	EPA 200.7	01055	<RL	mg/L	0.03
Chloride	EPA 300.0	00940	73	mg/L	1
Fluoride	EPA 300.1	00951	0.40	mg/L	0.1
Sulfate	EPA 300.0	00945	94	mg/L	1
Nitrate nitrogen	EPA 300.0	71850	<RL	mg/L	0.1
Boron	EPA 200.7	01022	463	µg/L (ppb)	100
Nitrite nitrogen	EPA 300.0	00630	<RL	mg/L	0.03

Lab no: 206-8818-01	Submitter's no: #7EHE: Surface water sampled on 06/30/02 (12) - RIVERS END				
Ammonia nitrogen	EPA 350.2	00610	<RL	mg/L	0.05
Total Kjeldahl Nitrogen	EPA 351.3		0.06	mg/L	0.05

Lab no: 206-8819-01	Submitter's no: #8EHE: Surface water sampled on 06/30/02 (1:30) - FILLMORE A				
Ammonia nitrogen	EPA 350.2	00610	<RL	mg/L	0.05
Total Kjeldahl Nitrogen	EPA 351.3		0.37	mg/L	0.05

Lab no: 206-8820-01	Submitter's no: #9EHE: Surface water sampled on 06/30/02 (1:30) - FILLMORE A				
pH	EPA 150.1	00403	8.32		0.1
Specific Conductance	EPA 120.1	00095	1300	µmho/cm	20
Total dissolved solids	EPA 160.1	70300	1040	mg/L	10
Alkalinity:	EPA 310.1				
Total Alkalinity (as equivalent CaCO3)		00410	213	mg/L	1
Bicarbonate (as HCO3)		00440	259	mg/L	1
Carbonate (as CO3)		00445	<RL	mg/L	1
Hydroxide (as OH)		71930	<RL	mg/L	1
Hardness	EPA 130.2	00900	489	mg/L	1
Calcium	EPA 200.7	00916	147	mg/L	1
Magnesium	EPA 200.7	00927	63.8	mg/L	1
Sodium	EPA 200.7	00929	102	mg/L	5
Potassium	EPA 200.7	00937	5.39	mg/L	0.1
Iron	EPA 200.7	01045	<RL	mg/L	0.1
Manganese	EPA 200.7	01055	<RL	mg/L	0.03
Chloride	EPA 300.0	00940	65	mg/L	1
Fluoride	EPA 300.1	00951	0.74	mg/L	0.1
Sulfate	EPA 300.0	00945	476	mg/L	1
Nitrate nitrogen	EPA 300.0	71850	0.73	mg/L	0.1
Boron	EPA 200.7	01022	620	µg/L (ppb)	100
Nitrite nitrogen	EPA 300.0	00630	<RL	mg/L	0.03

J. A. Paulino
Lead Person/Supervisor

7-15-02
Date

Sanitation and Radiation Laboratory Branch
State of California-Department of Health Services
1449 West Temple Street, Suite 101
Los Angeles CA 90026-5698

Lab No. 206-8821-01 to 206-8823-01

Samples received: June 30,2002

Collector: ERICKSON

Water Quality Control Board
Los Angeles Region (4)
320 West 4th Street #200
Los Angeles CA 90013

Source: SANTA CLARA RIVER
System No:

Billed to: Water Quality Control Board
Los Angeles Region (4).

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
Lab no: 206-8821-01 Submitter's no: #10EHE: Surface water sampled on 06/30/02 (1:30) - FILLMORE A					
pH	EPA 150.1	00403	8.31		0.1
Specific Conductance	EPA 120.1	00095	1300	µmho/cm	20
Total dissolved solids	EPA 160.1	70300	1020	mg/L	10
Alkalinity:	EPA 310.1				
Total Alkalinity (as equivalent CaCO3)		00410	213	mg/L	1
Bicarbonate (as HCO3)		00440	259	mg/L	1
Carbonate (as CO3)		00445	<RL	mg/L	1
Hydroxide (as OH)		71930	<RL	mg/L	1
Hardness	EPA 130.2	00900	500	mg/L	1
Calcium	EPA 200.7	00916	147	mg/L	1
Magnesium	EPA 200.7	00927	62.5	mg/L	1
Sodium	EPA 200.7	00929	104	mg/L	5
Potassium	EPA 200.7	00937	5.40	mg/L	0.1
Iron	EPA 200.7	01045	<RL	mg/L	0.1
Manganese	EPA 200.7	01055	<RL	mg/L	0.03
Chloride	EPA 300.0	00940	66	mg/L	1
Fluoride	EPA 300.1	00951	0.74	mg/L	0.1
Sulfate	EPA 300.0	00945	477	mg/L	1
Nitrate nitrogen	EPA 300.0	71850	0.74	mg/L	0.1
Nitrite nitrogen	EPA 300.0	00630	<RL	mg/L	0.03
Boron	EPA 200.7	01022	620	µg/L (ppb)	100

Lab no: 206-8822-01 Submitter's no: #11EHE: Surface water sampled on 06/30/02 (2:30) - JAIL					
pH	EPA 150.1	00403	8.07		0.1
Specific Conductance	EPA 120.1	00095	2400	µmho/cm	20
Total dissolved solids	EPA 160.1	70300	2200	mg/L	10
Alkalinity:	EPA 310.1				
Total Alkalinity (as equivalent CaCO3)		00410	447	mg/L	1
Bicarbonate (as HCO3)		00440	545	mg/L	1
Carbonate (as CO3)		00445	<RL	mg/L	1
Hydroxide (as OH)		71930	<RL	mg/L	1
Hardness	EPA 130.2	00900	1210	mg/L	1
Calcium	EPA 200.7	00916	341	mg/L	1
Magnesium	EPA 200.7	00927	122	mg/L	1
Sodium	EPA 200.7	00929	238	mg/L	5
Potassium	EPA 200.7	00937	5.47	mg/L	0.1
Iron	EPA 200.7	01045	<RL	mg/L	0.1
Manganese	EPA 200.7	01055	<RL	mg/L	0.03

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
Lab. no: 206-8822-01 continued.					
Chloride	EPA 300.0	00940	93	mg/L	1
Fluoride	EPA 300.1	00951	0.77	mg/L	0.1
Sulfate	EPA 300.0	00945	1080	mg/L	1
Nitrate nitrogen	EPA 300.0	71850	15.0	mg/L	0.1
Boron	EPA 200.7	01022	1010	µg/L (ppb)	100
Nitrite nitrogen	EPA 300.0	00630	<RL	mg/L	0.03

Lab no: 206-8823-01	Submitter's no: #12EHE: Surface water sampled on 06/30/02 (2:30) - JAIL				
Ammonia nitrogen	EPA 350.2	00610	<RL	mg/L	0.05
Total Kjeldahl Nitrogen	EPA 351.3		0.63	mg/L	0.05


Lead Person/Supervisor

7-15-02
Date

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
Lab. no: 206-8826-01 continued.					
Magnesium	EPA 200.7	00927	56.3	mg/L	1
Sodium	EPA 200.7	00929	93.8	mg/L	5
Potassium	EPA 200.7	00937	4.67	mg/L	0.1
Iron	EPA 200.7	01045	<RL	mg/L	0.1
Manganese	EPA 200.7	01055	<RL	mg/L	0.03
Chloride	EPA 300.0	00940	47	mg/L	1
Fluoride	EPA 300.1	00951	0.65	mg/L	0.1
Sulfate	EPA 300.0	00945	467	mg/L	1
Nitrate nitrogen	EPA 300.0	71850	2.88	mg/L	0.1
Boron	EPA 200.7	01022	698	μg/L (ppb)	100
Nitrite nitrogen	EPA 300.0	00630	0.05	mg/L	0.03

Lab no: 206-8827-01 Submitter's no: MRB#3: Surface water sampled on 06/30/02 (1:50 PM) - HTCNA POINT M

Ammonia nitrogen	EPA 350.2	00610	<RL	mg/L	0.05
Total Kjeldahl Nitrogen	EPA 351.3		0.35	mg/L	0.05

IA Paulinauti
Lead Person/Supervisor

7-15-02
Date

Sanitation and Radiation Laboratory Branch
State of California-Department of Health Services
1449 West Temple Street, Suite 101
Los Angeles CA 90026-5698

Lab No. 206-8824-01 to 206-8827-01

Samples received: June 30,2002

Collector: ERICKSON

Water Quality Control Board
Los Angeles Region (4)
320 West 4th Street #200
Los Angeles CA 90013

Source: SANTA CLARA RIVER
System No:

Billed to: Water Quality Control Board
Los Angeles Region (4)

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
Lab no: 206-8824-01	Submitter's no: MRB#1: Surface water sampled on 06/30/02 (12:05 PM) - TNC HALLOCK DRIVE				
pH	EPA 150.1	00403	8.14		0.1
Specific Conductance	EPA 120.1	00095	1600	µmho/cm	20
Total dissolved solids	EPA 160.1	70300	1397	mg/L	10
Alkalinity:	EPA 310.1				
Total Alkalinity (as equivalent CaCO3)		00410	286	mg/L	1
Bicarbonate (as HCO3)		00440	349	mg/L	1
Carbonate (as CO3)		00445	<RL	mg/L	1
Hydroxide (as OH)		71930	<RL	mg/L	1
Hardness	EPA 130.2	00900	929	mg/L	1
Calcium	EPA 200.7	00916	227	mg/L	1
Magnesium	EPA 200.7	00927	76.8	mg/L	1
Sodium	EPA 200.7	00929	128	mg/L	5
Potassium	EPA 200.7	00937	6.20	mg/L	0.1
Iron	EPA 200.7	01045	<RL	mg/L	0.1
Manganese	EPA 200.7	01055	<RL	mg/L	0.03
Chloride	EPA 300.0	00940	62	mg/L	1
Fluoride	EPA 300.1	00951	0.69	mg/L	0.1
Sulfate	EPA 300.0	00945	655	mg/L	1
Nitrate nitrogen	EPA 300.0	71850	2.32	mg/L	0.1
Nitrite nitrogen	EPA 300.0	00630	<RL	mg/L	0.03
Boron	EPA 200.7	01022	780	µg/L (ppb)	100

Lab no: 206-8825-01	Submitter's no: MRB#2: Surface water sampled on 06/30/02 (12:05 PM) - TNC HALLOCK DRIVE				
Ammonia nitrogen	EPA 350.2	00610	<RL	mg/L	0.05
Total Kjeldahl Nitrogen	EPA 351.3		0.29	mg/L	0.05

Lab no: 206-8826-01	Submitter's no: MRB#4: Surface water sampled on 06/30/02 (1:50 PM) - HTCNA POINT M				
pH	EPA 150.1	00403	8.01		0.1
Specific Conductance	EPA 120.1	00095	1300	µmho/cm	20
Total dissolved solids	EPA 160.1	70300	1090	mg/L	10
Alkalinity:	EPA 310.1				
Total Alkalinity (as equivalent CaCO3)		00410	269	mg/L	1
Bicarbonate (as HCO3)		00440	328	mg/L	1
Carbonate (as CO3)		00445	<RL	mg/L	1
Hydroxide (as OH)		71930	<RL	mg/L	1
Hardness	EPA 130.2	00900	828	mg/L	1
Calcium	EPA 200.7	00916	189	mg/L	1

Division: Drinking Water and Environmental Management—SRL (South)

Analysis Request Form

Name of Sampler: Encksm/Phone No: 213Fax 576 6686Sampler employed by: ☐ ODWR.W.Q.C. Board No: ☒ 4 ☐ 7 ☐ 8Sample source: Santa Clara RiverDate collected: June 30 2002 Analysis Task No. _____

Sample Type: ☐ Drinking Water : ☐ Ground water ☒ Surface water
☐ Waste water : Chlorinated ☐ Yes ☐ No
☐ Solid sample : ☐ Soil ☐ Sludge ☐ Sediment
☐ Other _____

Use your own bottle ID number for each bottle.

For Lab Use Log Number	Bottle ID No.	Sampling Point	Time Collected	Type of Analysis Required (Be specific)
200 8818	#1 EHE	Old Trestle	10:15	General Minerals Boron (61 Bottles) Nitrate, Nitrite
8819	#3 EHE	"	10:15	Ammonia + TKN (1 N Bottle)
8814	#2 EHE	"	10:15	GM + Boron + nitrite
8815	#4 EHE	"	10:15	Ammonia + TKN
8816	#5 EHE	"	10:15	GM + Boron + nitrite
8817	#6 EHE	Rivers End		GM + Boron
8818	#7 EHE	"	12	Ammonia + TKN
8819	#8 EHE	Fillmore A.	1:30	Ammonia + TKN
8820	#9 EHE	Fillmore A.	1:30	GM + Boron + nitrite

Warning or special instruction on samples:

Seals: ☐ Intact ☒ None ☐ Broken

Date

Time

Samples relinquished by

June 30 02

4:30

Samples relinquished by

Received for Lab by

Donald Balungay

Jun 30

1645

Department of Health Services
Division of Drinking Water and Environmental Management—SRL (South)

Analysis Request Form

Name of Sampler: Encksm/Phone No: Fax(213) 576 6686Sampler employed by: ☐ ODWR.W.Q.C. Board No: ☒ 4 ☐ 7 ☐ 8Pls fax copy(213) 576 6683Sample source: Santa Clara RiverDate collected: June 30 2002

Analysis Task No. _____

Sample Type:

☐ Drinking Water: ☐ Ground water☒ Surface water☐ Waste water

: Chlorinated

☐ Yes☐ No☐ Solid sample: ☐ Soil☐ Sludge☐ Sediment☐ Other _____

Use your own bottle ID number for each bottle.

For Lab Use Log Number	Bottle ID No.	Sampling Point	Time Collected	Type of Analysis Required (Be specific)
206 9921	#10 GHE	Fillman A 500' above bridge	1:30	General Minerals, Boron (61 Bottles) Nitrate, Nitrite, Ammonia (14 Bottles)
206 8822	#11 CHE	Tail	2:30	General Minerals + Boron + nitrite
206 8823	#12 GHE	Tail	2:30	Ammonia + TKN

Warning or special instruction on samples:

als: ☐ Intact ☒ None ☐ Broken

Date

Time

Samples relinquished by

[Signature]

June 30 2002

4:30

Samples relinquished by

Received for Lab by

Donald Balmsgrun

June 30

7:15

Division: Drinking Water and Environmental Management—SRL (South)

Analysis Request Form

Name of Sampler: Encksm/

Phone No. (213) 576-6686

Sampler employed by: ☐ ODW

R.W.Q.C. Board No: ☒ 4 ☐ 7 ☐ 8

Sample source: Santa Clara River

Date collected: 6-30-02

Analysis Task No. _____

Sample Type: ☐ Drinking Water : ☐ Ground water ☒ Surface water
☐ Waste water : Chlorinated ☐ Yes ☐ No
☐ Solid sample : ☐ Soil ☐ Sludge ☐ Sediment
☐ Other _____

Use your own bottle ID number for each bottle.

For Lab Use Log Number	Bottle ID No.	Sampling Point	Time Collected	Type of Analysis Required (Be specific)
200 8824	#1	TUC Hailcock Drive	12:05pm	General Minerals, Boron (61 Bottles) Nitrate, Nitrite
8825	#2	TUC Hailcock Drive	12:05pm	Ammonia + TKN (1 N Bottles)
8826	#4	HENA POINT m	1:50pm	Gen Minerals + Boron + nitrite
✓ 8827	#3	HENA POINT m	1:50pm	Ammonia + TKN

Warning or special instruction on samples:

Seals: ☐ Intact ☒ None ☐ Broken

Date

Time

Samples relinquished by

June 30, 02 4:30

Samples relinquished by

Received for Lab by

Doreed Balunay

June 30

1645

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

WCS 84. data
L-
N-34,31266
W 119.11627
+ - 24'

Sampler: SYDNEY STOKES
Waterbody Name: SANTA CLARA RIVER
Location: VENTURA JAIL P.R.X
Date and time of Collection: 6/30/02

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. _____ (F)
Most recent rain (if applicable) _____
Stream Depth: (approx.) 34 D Width: (approx.) 6'
Velocity 31 ft/sec Flow: 2100 cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky
Color: (circle) clear pale yellow yellow amber
brown green other _____

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 20.6 C DO _____ mg/L
pH 7.45 Conduct. _____ mS/cm

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral Coliform VOCs
TDS, Cl, SO₄, B BOD TPH
NO₃, NO₂, NH₃ MBAS Pesticides
P Metals Other _____

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other _____

Likely source(s) of water in stream:

____ Rising GW
____ Reclaimed water (municipal effluent)
____ Urban runoff
____ Agricultural runoff
____ Natural runoff (i.e. snowmelt, rainfall)
____ Releases from upstream dam
____ Unknown

Other comments: Storage shed, RR track (asthma)

DJS 12/15/92 Non Point Source Activities Observed Upstream
horses _____ # crop _____ % land use impervious _____ %
cows _____ # orchard _____ % land use surfaces _____
birds _____ # dogs/cats/homeless _____ # tile drains/drain _____

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: STOKES, EVAN
Waterbody Name: Santa Monica River
Location: FILMORE ST
Date and time of Collection: 6/30/02

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 70° (F)
Most recent rain (if applicable) None
Stream Depth: (approx.) 8" deep Width: (approx.) 15'
Velocity 22 ft/sec Flow: 22.0 cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky
Color: (circle) clear pale yellow yellow amber
brown green other

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 27.0° C DO _____ mg/L
pH 8.2 Conduct. _____ mS/cm

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral Coliform VOCs
TDS, Cl, SO₄, B BOD TPH
NO₃, NO₂, NH₃ MBAS Pesticides
P Metals Other

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other

Likely source(s) of water in stream:

- ☒ Rising GW
☒ Reclaimed water (municipal effluent)
☐ Urban runoff
☒ Agricultural runoff
☐ Natural runoff (i.e. snowmelt, rainfall)
☐ Releases from upstream dam
☐ Unknown

Other comments: 50 - tadpole, fish - 100, sizes variable

DJS 12/15/92 Non Point Source Activities Observed Upstream

horses _____ # crop _____ % land use impervious
cows _____ # orchard _____ % land use surfaces
birds _____ # dogs/cats/homeless _____ # tile drains/a

FILMORE ST, SANTA MONICA RIVER, NORTHERN

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

TODD RD

SURFACE WATER SAMPLING FIELD SHEET

Sampler: SYDNEY STOKES
Waterbody Name: SMITH CLARK RIVER
Location: 2A RIVERSIDE
Date and time of Collection: 06/30/02

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 90° (F)
Most recent rain (if applicable) April
Stream Depth: (approx.) _____ Width: (approx.) _____
Velocity _____ ft/sec Flow: _____ cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky
Colors: (circle) clear algae 30% attach 5-80 no duckweed variable
brown green other _____

10' W
2" deep

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 19.6° C DO _____ mg/L
pH 7.28 Conduct. _____ mS/cm

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral Coliform VOCs
TDS, Cl, SO₄, B BOD TPH
NO₃, NO₂, NH₃ MBAS Pesticides
P Metals Other _____

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other disposal septic tank

Likely source(s) of water in stream:

- ☒ Rising GW
- ☐ Reclaimed water (municipal effluent)
- ☐ Urban runoff
- ☐ Agricultural runoff
- ☐ Natural runoff (i.e. snowmelt, rainfall)
- ☐ Releases from upstream dam
- ☐ Unknown

Other comments: lots of fisher, veg, white flowers, poplar trees

DJS 12/15/92 Non Point Source Activities Observed Upstream

horses _____ # crop _____ % landuse impervious _____ %
cows _____ # orchard _____ % landuse surfaces _____ landuse
birds _____ # dogs/cats/homeless _____ # tile drains/drain _____ #
dog, Canine Clinic containers

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: SYDIELL STOKES
Waterbody Name: OLD R.R. TRESTLE
Location: _____
Date and time of Collection: 10:05 Am 6/30/92

Field Observations:

Weather: (circle) clear sunny overcast raining 10' tape
Approximate air temp. 80° (F)
Most recent rain (if applicable) APRIL
Stream Depth: (approx.) 2' 5" 3" Width: (approx.) 13.5'
Velocity 6.48 ft/sec Flow: _____ cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky
Color: (circle) clear pale yellow green yellow amber
brown green other _____
Clarity: (circle) clear turbid At 92 50%

Field Chemistry: (Hydrolab)

Temp. 22.7° C DO _____ mg/L
pH 7.63 Conduct. _____ mS/cm

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral Coliform VOCs
TDS, Cl, SO₄, B BOD TPH
NO₃, NO₂, NH₃ MBAS Pesticides
P Metals Other _____

Predominant Land Use in the area (circle all that apply):

residential commercial industrial agricultural
rural forested other power lines, R.R. (old)

Likely source(s) of water in stream:

- ☒ Rising GW
☒ Reclaimed water (municipal effluent)
☐ Urban runoff
☐ Agricultural runoff
☐ Natural runoff (i.e. snowmelt, rainfall)
☐ Releases from upstream dam
☐ Unknown

45% Almonds
12% duckweed

Other comments: RED ANTS, RABBIT
SYDIELL STOKES, FOOT TRAFFIC, WASTE WATER

DJS 12/15/92 Non Point Source Activities Observed Upstream
horses _____ # crop _____ % land use impervious _____ %
cows _____ # orchard _____ % land use surfaces _____
birds _____ # dogs/cats/homeless _____ # tile drains/drain _____

Creston 310 600 1901
Tim 805 689 8586

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Elizabeth Erickson
Waterbody Name: Santa Clara River
Location: 15' below
Date and time of Collection: June 30, 1992 10:05

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 80° (F)
Most recent rain (if applicable) April
Stream Depth: (approx.) _____ Width: (approx.) _____
Velocity _____ ft/sec Flow: _____ cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky
Color: (circle) clear pale yellow yellow amber
brown green other _____

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 22.7 C
pH 7.63

DO _____ mg/L
Conduct. _____ mS/cm

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral
TDS, Cl, SO₄, B
NO₃, NO₂, NH₃
P

Coliform
BOD
MBAS
Metals

VOCs
TPH
Pesticides
Other _____

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other _____

Likely source(s) of water in stream:

3 monitoring wells
float gauge was dry
amado project
minnans
☐ Rising GW
☐ Reclaimed water (municipal effluent)
☐ Urban runoff
☐ Agricultural runoff
☐ Natural runoff (i.e. snowmelt, rainfall)
☐ Releases from upstream dam
☐ Unknown

Other comments:

DJS 12/15/92

Non Point Source Activities Observed Upstream

horses _____ # crop _____ % land use impervious _____ %
cows _____ # orchard _____ % land use surfaces _____ land use
birds _____ # dogs/cats/homeless _____ # tile drains/drain _____ #
dumping _____ rocks, soil, plastics, _____

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: EHE
Waterbody Name: Rivers End Trailer Park
Location: Santa Clara
Date and time of Collection: 12:00

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 90 (F)
Most recent rain (if applicable) Apr 1
Stream Depth: (approx.) _____ Width: (approx.) _____
Velocity _____ ft/sec Flow: _____ cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky

Color: (circle) clear pale yellow yellow amber
brown green other _____

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 19.6 C DO _____ mg/L
pH 7.28 Conduct. _____ mS/cm

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral Coliform VOCs
TDS, Cl, SO₄, B BOD TPH
NO₃, NO₂, NH₃ MBAS Pesticides
P Metals Other _____

Predominant Land Use in the area (circle all that apply):

residential commercial industrial agricultural
rural forested other _____

Likely source(s) of water in stream:

- ☒ Rising GW
☐ Reclaimed water (municipal effluent)
☐ Urban runoff
☐ Agricultural runoff
☐ Natural runoff (i.e. snowmelt, rainfall)
☐ Releases from upstream dam
☐ Unknown

Other comments: choked with willow reeds

DJS 12/15/92 Non Point Source Activities Observed Upstream
horses _____ # crop _____ % land use impervious _____ %
cows _____ # orchard _____ % land use surfaces _____
birds _____ # dogs/cats/homeless _____ # tile drains/drain _____
trailer park w/ septic

Ms. Connie Kline -
Cape Talor
owned by
Polish
Church of
La Angeles

some orange mud
fastest
in 3
grads
much
delayed
by week

dumped paint cans
car parts, cans
ATTACHED ALGAE
5-80%
duckweed
float
Floating algae 30%

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Enrta
Waterbody Name: Fillmore St. A
Location: San Marino
Date and time of Collection: June 30 2002 11:45

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. _____ (F)
Most recent rain (if applicable) _____
Stream Depth: (approx.) 8" Width: (approx.) 15'
Velocity _____ ft/sec Flow: _____ cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky

Color: (circle) clear pale yellow yellow amber
brown green other _____

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 27.0 C DO _____ mg/L
pH 8.2 Conduct. _____ mS/cm

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral Coliform VOCs
TDS, Cl, SO4, B BOD TPH
NO3, NO2, NH3 MBAS Pesticides
P Metals Other _____

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other _____

Likely source(s) of water in stream:

☒ Rising GW
☐ Reclaimed water (municipal effluent)
☐ Urban runoff
☒ Agricultural runoff
☐ Natural runoff (i.e. snowmelt, rainfall)
☐ Releases from upstream dam
☐ Unknown

Other comments:

DJS 12/15/92 Non Point Source Activities Observed Upstream
horses 25 # crop _____ % land use impervious _____ %
cows _____ # orchard _____ % land use surfaces _____
birds 4 # dogs/cats/homeless _____ # tile drains/drain _____
leaves 25 small

SURFACE WATER SAMPLING FIELD SHEET

DJS 12/15/92 Non Point Source Activities Observed Upstream

horses _____ #	crop _____ % land use	impervious _____ %
cows _____ #	orchard _____ % land use	surfaces _____ land use
birds _____ #	dogs/cats/homeless _____ #	tile drains/drains _____ #

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

W 118.99458
N 34.36780

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Row Bottomer Tim Robinson Richards Sweep +16 ft.
Waterbody Name: SC RIVER
Location: HRNA POINT M ~ 50 FT NORTH
Date and time of Collection: 6-30-02 1:50 PM

Field Observations:

20 ft
length
Width
17'
Depth
3"
5"
7"
Weather: (circle) clear sunny overcast raining
Approximate air temp. 80 (F)
Most recent rain (if applicable) April
Stream Depth: (approx.) _____ Width: (approx.) 17
Velocity _____ ft/sec Flow: _____ cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky

Color: (circle) clear pale yellow yellow amber
brown green other _____

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

11.85 sec
14.22 "
14.65 "
Temp. 23.7 C
pH 7.72

DO _____ mg/L
Conduct. _____ mS/cm

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral
TDS, Cl, SO₄, B
NO₃, NO₂, NH₃
P

Coliform
BOD
MBAS
Metals

VOCs
TPH
Pesticides
Other _____

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other _____

Likely source(s) of water in stream:

- ____ Rising GW
____ Reclaimed water (municipal effluent)
____ Urban runoff
☒ Agricultural runoff
____ Natural runoff (i.e. snowmelt, rainfall)
____ Releases from upstream dam
____ Unknown

20% algae
30% duckweed
meandering thru
heavy aquatic veg.

Other comments:

Banks lined with riparian vegetation

DJS 12/15/92 Non Point Source Activities Observed Upstream

horses _____ # crop _____ % land use impervious _____ %
cows _____ # orchard _____ % land use surfaces _____
birds _____ # dogs/cats/homeless _____ # tile drains/drain _____

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

WGS 84

SURFACE WATER SAMPLING FIELD SHEET

N 34.35421°
W 119.03928°

Sampler: RON BOTTORFF Tim ROBINSON Richard Sweet ± 15 ft
Waterbody Name: SC RIVER
Location: TNC PROPERTY, HALLOCK DR
Date and time of Collection: 6-30-02 12:05 Elev 210'

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 75-80 (F)
Most recent rain (if applicable) April
Stream Depth: (approx.) _____ Width: (approx.) 23'
Velocity _____ ft/sec Flow: _____ cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky
Color: (circle) clear pale yellow yellow amber
brown green other _____

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 21.2 C DO _____ mg/L
pH 7.91 Conduct. _____ mS/cm

Were water quality samples taken during this site visit? (Y) N

Circle: Gen. Mineral Coliform VOCs
TDS, Cl, SO₄, B BOD TPH
NO₃, NO₂, NH₃ MBAS Pesticides
P Metals Other _____

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other _____

Likely source(s) of water in stream:

- ☒ Rising GW
- ☐ Reclaimed water (municipal effluent)
- ☐ Urban runoff
- ☒ Agricultural runoff
- ☐ Natural runoff (i.e. snowmelt, rainfall)
- ☐ Releases from upstream dam
- ☐ Unknown

Other comments: Lots of veg 1 river camp/sleep area

DOS 12/15/92 Non Point Source Activities Observed (Upstream)
horses _____ # crop _____ % land use impervious _____ %
cows _____ # orchard _____ % land use surfaces _____ land use
birds _____ # dogs/cats/homeless _____ # tile drains/drains _____ #

Pat Brown
Northpark Court House, 12th St
714 720 9881

Lemy Breyer
805-2554984
Circuit Santa Clara
Hotel Conference

California State Department of Health Services
Division of Drinking Water and Environmental Management—SRL (South)

Analysis Request Form

Name of Sampler: ELIZABETH ERICKSON

Phone No. _____
 () _____
 () _____

Sampler employed by: ☐ ODW
 R.W.Q.C. Board No: ☒ 4 ☐ 7 ☐ 8

Sample source: Santa Clara River

Date collected: 5/4/99 Analysis Task No. _____

Sample Type: ☐ Drinking Water ☐ Ground water ☒ Surface water
☐ Waste water ☐ Chlorinated ☐ Yes ☐ No
☐ Solid sample ☐ Soil ☐ Sludge ☐ Sediment
☐ Other _____

Use your own bottle ID number for each bottle.

For Lab Use Log Number	Bottle ID No.	Sampling Point	Time Collected	Type of Analysis Required (Be specific)
9053679	10049	Santa Clara River @ Lung	11:00	Coliform
9053680	10009	Santa Clara River @ Fire Station 2	10:30	"
9053681	10050	Santa Clara River @ Bouquet	10:00	"
9053682	10008	Santa Clara River @ W99	9:30	"
9053683	10051	Santa Clara River @ Piru @ Center Dr.	9:00	"
9053684	10029	Santa Clara River @ 101	8:30	"

Warning or special instruction on samples:

Seals: ☐ Intact ☐ None ☐ Broken

Date

Time

Samples relinquished by

5/4/99

1:45

Samples relinquished by

Received for Lab by

C. Remands

5/4/99

1:45 PM

(For Lab use only) Total cost for laboratory analyses:

LABORATORY USE ONLY

COUNTY: DATE AND HOUR COLLECTED:

PLUMBING POINT: SYSTEM NUMBER: COLLECTED BY: BOTTLE CAP NUMBER:

TYPE OF SAMPLE: ☐ DRINKING WATER (ANY SOURCE) ☐ SEWAGE ☐ RAW SURFACE WATER ☐ OTHER (SPECIFY):

ANALYSES DESIRED AND REMARKS:

COLIFORM: ☐ FECAL COLIFORM: ☐ OTHER:

SPC: ☐ OTHER:

NUMBER OR TONS: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

RESULTS: COLIFORM/100ml: ☐ MPN ☐ MF 60

FECAL COLIFORM/100ml: ☐ MPN ☐ MF 20

SPC/ml at 35C: C1, RES. mg/liter

ANALYST:

LABORATORY REMARKS: LEAKED IN TRANSIT INSUFFICIENT SAMPLE

STATE OF CALIFORNIA—DEPARTMENT OF HEALTH SERVICES

LABORATORY USE ONLY

COUNTY: DATE AND HOUR COLLECTED:

PLUMBING POINT: SYSTEM NUMBER: COLLECTED BY: BOTTLE CAP NUMBER:

TYPE OF SAMPLE: ☐ DRINKING WATER (ANY SOURCE) ☐ SEWAGE ☐ RAW SURFACE WATER ☐ OTHER (SPECIFY):

ANALYSES DESIRED AND REMARKS:

COLIFORM: ☐ FECAL COLIFORM: ☐ OTHER:

SPC: ☐ OTHER:

NUMBER OR TONS: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

RESULTS: COLIFORM/100ml: ☐ MPN ☐ MF 700

FECAL COLIFORM/100ml: ☐ MPN ☐ MF < 20

SPC/ml at 35C: C1, RES. mg/liter

ANALYST:

LABORATORY REMARKS: LEAKED IN TRANSIT INSUFFICIENT SAMPLE

STATE OF CALIFORNIA—DEPARTMENT OF HEALTH SERVICES

LABORATORY USE ONLY

COUNTY: DATE AND HOUR COLLECTED:

PLUMBING POINT: SYSTEM NUMBER: COLLECTED BY: BOTTLE CAP NUMBER:

TYPE OF SAMPLE: ☐ DRINKING WATER (ANY SOURCE) ☐ SEWAGE ☐ RAW SURFACE WATER ☐ OTHER (SPECIFY):

ANALYSES DESIRED AND REMARKS:

COLIFORM: ☐ FECAL COLIFORM: ☐ OTHER:

SPC: ☐ OTHER:

NUMBER OR TONS: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

RESULTS: COLIFORM/100ml: ☐ MPN ☐ MF 500

FECAL COLIFORM/100ml: ☐ MPN ☐ MF 500

SPC/ml at 35C: C1, RES. mg/liter

ANALYST:

LABORATORY REMARKS: LEAKED IN TRANSIT INSUFFICIENT SAMPLE

STATE OF CALIFORNIA—DEPARTMENT OF HEALTH SERVICES

LABORATORY USE ONLY

COUNTY: DATE AND HOUR COLLECTED:

PLUMBING POINT: SYSTEM NUMBER: COLLECTED BY: BOTTLE CAP NUMBER:

TYPE OF SAMPLE: ☐ DRINKING WATER (ANY SOURCE) ☐ SEWAGE ☐ RAW SURFACE WATER ☐ OTHER (SPECIFY):

ANALYSES DESIRED AND REMARKS:

COLIFORM: ☐ FECAL COLIFORM: ☐ OTHER:

SPC: ☐ OTHER:

NUMBER OR TONS: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

RESULTS: COLIFORM/100ml: ☐ MPN ☐ MF 600

FECAL COLIFORM/100ml: ☐ MPN ☐ MF 300

SPC/ml at 35C: C1, RES. mg/liter

ANALYST:

LABORATORY REMARKS: LEAKED IN TRANSIT INSUFFICIENT SAMPLE

STATE OF CALIFORNIA—DEPARTMENT OF HEALTH SERVICES

LABORATORY USE ONLY

COUNTY: DATE AND HOUR COLLECTED:

PLUMBING POINT: SYSTEM NUMBER: COLLECTED BY: BOTTLE CAP NUMBER:

TYPE OF SAMPLE: ☐ DRINKING WATER (ANY SOURCE) ☐ SEWAGE ☐ RAW SURFACE WATER ☐ OTHER (SPECIFY):

ANALYSES DESIRED AND REMARKS:

COLIFORM: ☐ FECAL COLIFORM: ☐ OTHER:

SPC: ☐ OTHER:

NUMBER OR TONS: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

RESULTS: COLIFORM/100ml: ☐ MPN ☐ MF 40

FECAL COLIFORM/100ml: ☐ MPN ☐ MF 40

SPC/ml at 35C: C1, RES. mg/liter

ANALYST:

LABORATORY REMARKS: LEAKED IN TRANSIT INSUFFICIENT SAMPLE

STATE OF CALIFORNIA—DEPARTMENT OF HEALTH SERVICES

LABORATORY USE ONLY

COUNTY: DATE AND HOUR COLLECTED:

PLUMBING POINT: SYSTEM NUMBER: COLLECTED BY: BOTTLE CAP NUMBER:

TYPE OF SAMPLE: ☐ DRINKING WATER (ANY SOURCE) ☐ SEWAGE ☐ RAW SURFACE WATER ☐ OTHER (SPECIFY):

ANALYSES DESIRED AND REMARKS:

COLIFORM: ☐ FECAL COLIFORM: ☐ OTHER:

SPC: ☐ OTHER:

NUMBER OR TONS: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

RESULTS: COLIFORM/100ml: ☐ MPN ☐ MF 500

FECAL COLIFORM/100ml: ☐ MPN ☐ MF 500

SPC/ml at 35C: C1, RES. mg/liter

ANALYST:

LABORATORY REMARKS: LEAKED IN TRANSIT INSUFFICIENT SAMPLE

State of California - Department of Health Services
Division of Drinking Water & Environmental Management
Sanitation & Radiation Laboratory - South
Analytical Report

DATE REPORTED: 5/10/99

DATE RECEIVED: 5/4/99

SAMPLER: Elizabeth Erickson

Lab ID. Number	CONSTITUENT	EPA METHOD	STORET CODE	UNITS	ANALYSIS RESULTS	REPORTING LIMIT
905-3679	Total Coliform Fecal Coliform	MPN MPN		/100 ml /100 ml	500 500	
905-3680	Total Coliform Fecal Coliform	MPN MPN		/100 ml /100 ml	60 20	
905-3681	Total Coliform Fecal Coliform	MPN MPN		/100 ml /100 ml	9000 40	
905-3682	Total Coliform Fecal Coliform	MPN MPN		/100 ml /100 ml	700 <20	
905-3683	Total Coliform Fecal Coliform	MPN MPN		/100 ml /100 ml	500 230	
905-3684	Total Coliform Fecal Coliform	MPN MPN		/100 ml /100 ml	600 300	

N.D. = None detected.

mg/L = Milligram/Litre (ppm)

mg/Kg = Milligram/Kilogram (ppm)

<R.L. = <Reporting Limit

mcg/L = Microgram/Litre (ppb)

mcg/Kg = Microgram/Kilogram (ppb)

Analysis Request Form

4-12

Name of Sampler: ERICSON
Eliabeth SARRIS Phone No: (203) 576-6683
 Sampler employed by: ☐ ODW
 R.W.Q.C. Board No: ☒ 4 ☐ 7 ☐ 8
 RECEIVED 2001 MAR 30 P 12:40
 ()

Sample source: _____

Date collected: 2/15/2001 Analysis Task No. _____

Sample Type: ☐ Drinking Water : ☐ Ground water ☒ Surface water
☐ Waste water : Chlorinated ☐ Yes ☐ No
☐ Solid sample : ☐ Soil ☐ Sludge ☐ Sediment
☐ Other _____

Use your own bottle ID number for each bottle.

For Lab Use Log Number	Bottle ID No.	Sampling Point	Time Collected	Type of Analysis Required (Be specific)
102-6725	N 000906	Boat logger cove	8:30 AM	Aminic, nitrate , nitrite , organic
102-6726	N 000906	Long Cove	9:48 AM	" " " "
102-6727	N 000906	Boquetan river	10:35 AM	" " " "
102-6728	N 000906	un-pier 99	11:10	" " " "
102-6729	N 000906	Blue cut	12:30	" " " "
102-6730	N 000906	Treehouse stream	1:45	" " " "
102-6731	N 000906	Fiddlehead stream	2:25	" " " "

Warning or special instruction on samples:

Seals: ☐ Intact ☐ None ☐ Broken	Date	Time
Samples relinquished by <u>Chen Am V</u>	2/15/01	4:30
Samples relinquished by _____		
Received for Lab by <u>[Signature]</u>	2/15/01	4:30 PM

Samples received: February 15, 2001

Collector: Erickson/Sarkis

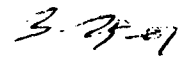
Water Quality Control Board
Los Angeles Region (4)
320 West 4th Street #200
Los Angeles CA 90013

Source: Santa Clara River
System No:

Billed to: Water Quality Control Board
Los Angeles Region (4)

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
Lab no: 102-6725-01	Submitter's no: : Surface water sampled on 10/22/02		(8:30 AM) - Bootlegger Cyn Rd		
Ammonia nitrogen	EPA 350.2	00610	<RL	mg/L	0.05
Organic nitrogen	EPA 350.2	00625	0.39	mg/L	0.05
Lab no: 102-6726-01	Submitter's no: : Surface water sampled on 10/22/02		(9:45 AM) - Lang Lane		
Ammonia nitrogen	EPA 350.2	00610	<RL	mg/L	0.05
Organic nitrogen	EPA 350.2	00625	0.35	mg/L	0.05
Lab no: 102-6727-01	Submitter's no: : Surface water sampled on 10/22/02		(10:35 AM) - Bouquet Canyon		
Ammonia nitrogen	EPA 350.2	00610	0.59	mg/L	0.05
Organic nitrogen	EPA 350.2	00625	1.54	mg/L	0.05
Lab no: 102-6728-01	Submitter's no: : Surface water sampled on 10/22/02		(11:10 AM) - West Pier 99		
Ammonia nitrogen	EPA 350.2	00610	<RL	mg/L	0.05
Organic nitrogen	EPA 350.2	00625	0.58	mg/L	0.05
Lab no: 102-6729-01	Submitter's no: : Surface water sampled on 10/22/02		(12:38 PM) - Blue Cut		
Ammonia nitrogen	EPA 350.2	00610	1.20	mg/L	0.05
Organic nitrogen	EPA 350.2	00625	1.15	mg/L	0.05
Lab no: 102-6730-01	Submitter's no: : Surface water sampled on 10/22/02		(1:45 PM) - Freeman Diversion		
Ammonia nitrogen	EPA 350.2	00610	<RL	mg/L	0.05
Organic nitrogen	EPA 350.2	00625	0.55	mg/L	0.05
Lab no: 102-6731-01	Submitter's no: : Surface water sampled on 10/22/02		(2:35 PM) - Fillmore Street A		
Ammonia nitrogen	MPN	00610	<RL	mg/L	0.05
Organic nitrogen	MPN	00625	0.42	mg/L	0.05


Lead Person/Supervisor


Date

Analysis Request Form

Name of Sampler: ERICKSON ELIZABETH, SARKIS
 Sampler employed by: ☐ ODW
 R.W.Q.C. Board No: ☒ 4 ☐ 7 ☐ 8

Phone No: (213) 5766683
 ()

Sample source: SANTA CLARA RIVER

Date collected: 2/15/2001 Analysis Task No. _____

Sample Type: ☐ Drinking Water : ☐ Ground water ☒ Surface water
☐ Waste water : ☐ Chlorinated ☐ Yes ☐ No
☐ Solid sample : ☐ Soil ☐ Sludge ☐ Sediment
☐ Other _____

Use your own bottle ID number for each bottle.

For Lab Use Log Number	Bottle ID No.	Sampling Point	Time Collected	Type of Analysis Required (Be specific)
102 - 6718	G1 010201	Boat by canyon Rd	8:30 AM	pH, Boron Nitrate, nitrate, TDS, chloride, sulfate, that
102 - 6719	G1 010201	long line	9:45 AM	" " " " "
102 - 6720	G1 010201	Boquet canyon	10:35 AM	" " " " "
102 - 6721	G1 010201	west pier	11:10	" " " " "
102 - 6722	G1 010201	Blue cut	12:38	" " " " "
102 - 6723	G1 010201	Fredman diversion	1:45	" " " " "
102 - 6724	G1 010201	Fillmore street A	2:35	" " " " "

RECEIVED
 2001 MAR 30 12:40

Warning or special instruction on samples:

Seals: ☐ Intact ☐ None ☐ Broken	Date	Time
Samples relinquished by <u>Marlann</u>	2/15/01	4:20
Samples relinquished by		
Received for Lab by <u>CS</u>	2/15/01	4:30 B3

Samples received: February 15, 2001

Collector: Erickson/Sarkis

Water Quality Control Board
Los Angeles Region (4)
320 West 4th Street #200
Los Angeles CA 90013

Source: Santa Clara River
System No:

Billed to: Water Quality Control Board
Los Angeles Region (4)

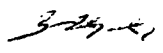
ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
Lab no: 102-6718-01 Submitter's no: : Surface water sampled on 10/22/02 (8:30 AM) - Bootlegger Cyn Rd					
pH	EPA 150.1	00403	7.9		0.1
Total dissolved solids	EPA 150.1	70300	404	mg/L	10
Chloride	EPA 150.1	00940	43	mg/L	1
Sulfate	EPA 150.1	00945	75	mg/L	1
Nitrate nitrogen	EPA 150.1	71850	1.07	mg/L	0.2
Nitrite nitrogen	EPA 150.1	00630	<RL	mg/L	0.03
Boron	EPA 150.1	01022	.063	mg/L (ppm)	0.05
Lab no: 102-6719-01 Submitter's no: : Surface water sampled on 10/22/02 (9:45 AM) - Lang Lane					
pH	EPA 150.1	00403	8.1		0.1
Total dissolved solids	EPA 150.1	70300	470	mg/L	10
Chloride	EPA 150.1	00940	58	mg/L	1
Sulfate	EPA 150.1	00945	93	mg/L	1
Nitrate nitrogen	EPA 150.1	71850	0.81	mg/L	0.2
Nitrite nitrogen	EPA 150.1	00630	<RL	mg/L	0.03
Boron	EPA 150.1	01022	0.29	mg/L (ppm)	0.05
Lab no: 102-6720-01 Submitter's no: : Surface water sampled on 10/22/02 (10:35 AM) - Bouquet Canyon					
pH	EPA 150.1	00403	7.8		0.1
Total dissolved solids	EPA 150.1	70300	638	mg/L	10
Chloride	EPA 150.1	00940	100	mg/L	1
Sulfate	EPA 150.1	00945	191	mg/L	1
Nitrate nitrogen	EPA 150.1	71850	5.50	mg/L	0.2
Nitrite nitrogen	EPA 150.1	00630	<RL	mg/L	0.03
Boron	EPA 150.1	01022	0.60	mg/L (ppm)	0.05
Lab no: 102-6721-01 Submitter's no: : Surface water sampled on 10/22/02 (11:10 AM) - West Pier 99					
pH	EPA 150.1	00403	7.9		0.1
Total dissolved solids	EPA 150.1	70300	743	mg/L	10
Chloride	EPA 150.1	00940	93	mg/L	1
Sulfate	EPA 150.1	00945	230	mg/L	1
Nitrate nitrogen	EPA 150.1	71850	2.29	mg/L	0.2
Nitrite nitrogen	EPA 150.1	00630	0.06	mg/L	0.03
Boron	EPA 150.1	01022	0.67	mg/L (ppm)	0.05

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
Lab no: 102-6722-01 Submitter's no: : Surface water sampled on 10/22/02 (12:38 PM) - Blue Cut					
pH	EPA 150.1	00403	8.1		0.1
Total dissolved solids	EPA 150.1	70300	1110	mg/L	10
Chloride	EPA 150.1	00940	107	mg/L	1
Sulfate	EPA 150.1	00945	462	mg/L	1
Nitrate nitrogen	EPA 150.1	71850	2.40	mg/L	0.2
Nitrite nitrogen	EPA 150.1	00630	0.25	mg/L	0.03
Boron	EPA 150.1	01022	0.66	mg/L (ppm)	0.05

Lab no: 102-6723-01 Submitter's no: : Surface water sampled on 10/22/02 (1:45 PM) - Freeman Diversion					
pH	EPA 150.1	00403	8.0		0.1
Total dissolved solids	EPA 150.1	70300	721	mg/L	10
Chloride	EPA 150.1	00940	31	mg/L	1
Sulfate	EPA 150.1	00945	117	mg/L	1
Nitrate nitrogen	EPA 150.1	71850	1.15	mg/L	0.2
Nitrite nitrogen	EPA 150.1	00630	<RL	mg/L	0.03
Boron	EPA 150.1	01022	0.46	mg/L (ppm)	0.05

Lab no: 102-6724-01 Submitter's no: : Surface water sampled on 10/22/02 (2:35 PM) - Fillmore Street A					
pH	EPA 350.2	00403	8.2		0.1
Total dissolved solids	EPA 350.2	70300	975	mg/L	10
Chloride	EPA 350.2	00940	52	mg/L	1
Sulfate	EPA 350.2	00945	440	mg/L	1
Nitrate nitrogen	EPA 350.2	71850	2.16	mg/L	0.2
Nitrite nitrogen	EPA 350.2	00630	<RL	mg/L	0.03
Boron	EPA 350.2	01022	0.58	mg/L (ppm)	0.05



Lead Person/Supervisor

Date

Analysis Request Form

Name of Sampler: Elizabeth EricksonPhone No:
(213) 576 6683Sampler employed by: ☐ ODWR.W.Q.C. Board No: ☒ 4 ☐ 7 ☐ 8Sample source: SC riverDate collected: 5/3/99
5/4/99 Analysis Task No. _____

Sample Type: ☐ Drinking Water : ☐ Ground water ☐ Surface water
☐ Waste water : ☐ Chlorinated ☐ Yes ☐ No
☐ Solid sample : ☐ Soil ☐ Sludge ☒ Sediment
☐ Other _____

Use your own bottle ID number for each bottle.

For Lab Use Log Number	Bottle ID No.	Sampling Point	Time Collected	Type of Analysis Required (Be specific)
705 3664	SC-101a	Santa Clara @ 101 (this year)	10:30 AM	Pesticide sediment
705 3665	SC-101b	" (5 year)	"	"
705 3666	SC-101c	" (10 year)	"	"
905 3667	SCEa	Santa Clara @ Estuary (this year)	11:00 AM	"
705 3668	SCEa	"	"	"
705 3669	SCEb	" (5 year)	"	"
705 3670	SCEbb	"	"	"
905 3671	SCEc	" (10 year)	"	"
905 3672	SCEcc	"	"	"

Warning or special instruction on samples:

Seals: ☐ Intact ☐ None ☐ Broken	Date	Time
Samples relinquished by <u>[Signature]</u>	5/3/99	1:05
Samples relinquished by		
Received for Lab by <u>C. Remando</u>	5/3/99	1:05

Calif. State Dept. of Health Services
Div. of Drinking Water & Environ. Management-SRL(South)
Chlorinated Pesticides

LAB ID NO 905-3664

DATE REPORTED : 6-10-99

METHOD USED : EPA ☐ 508 ☐ 608 ☒ 8080

All reporting units = ☐ ug/l (ppb) ☒ ug/kg (ppb)

RL = Reporting limit

Analyte	STORET CODE	ANALYSIS RESULTS	DETECTION LIMIT
			☐ X 1 ☒ X 100
Aldrin	39330	<RL	0.05
A -BHC	39337	<RL	0.05
B -BHC	39338	<RL	0.05
Lindane	39340	<RL	0.05
D -BHC	39340	<RL	0.05
Chlordane	39350	<RL	0.10
4,4'-DDD	39310	<RL	0.05
4,4'-DDE	39320	<RL	0.05
4,4'-DDT	39300	<RL	0.05
Dieldrin	39380	<RL	0.05
Endosulfan I	34361	<RL	0.05
Endosulfan II	34356	<RL	0.05
Endosulfan sulfate	34351	<RL	0.05
Endrin	39390	<RL	0.05
Endrin aldehyde	34366	<RL	0.05
Heptachlor	39410	<RL	0.05
Heptachlor epoxide	39420	<RL	0.05
Methoxychlor	39480	<RL	10
Toxaphene	39400	<RL	1.0

Calif. State Dept. of Health Services
Div. of Drinking Water & Environ. Management-SRL(South)
Chlorinated Pesticides

LAB ID NO 905-3665

DATE REPORTED : 6-10-99

METHOD USED : EPA ☐ 508 ☐ 608 ☒ 8080

All reporting units = ☐ ug/l (ppb) ☒ ug/kg (ppb)

RL = Reporting limit

Analyte	STORET CODE	ANALYSIS RESULTS	DETECTION LIMIT
			☐ X 1 ☒ X 100
Aldrin	39330	<RL	0.05
A -BHC	39337	<RL	0.05
B -BHC	39338	<RL	0.05
Lindane	39340	<RL	0.05
D -BHC	39340	<RL	0.05
Chlordane	39350	<RL	0.10
4,4'-DDD	39310	<RL	0.05
4,4'-DDE	39320	36	0.05
4,4'-DDT	39300	20	0.05
Dieldrin	39380	<RL	0.05
Endosulfan I	34361	<RL	0.05
Endosulfan II	34356	<RL	0.05
Endosulfan sulfate	34351	<RL	0.05
Endrin	39390	<RL	0.05
Endrin aldehyde	34366	<RL	0.05
Heptachlor	39410	<RL	0.05
Heptachlor epoxide	39420	<RL	0.05
Methoxychlor	39480	<RL	10
Toxaphene	39400	<RL	1.0

Calif. State Dept. of Health Services
Div. of Drinking Water & Environ. Management-SRL(South)
Chlorinated Pesticides

LAB ID NO 905-3666

DATE REPORTED : 6-10-99

METHOD USED : EPA ☐ 508 ☐ 608 ☒ 8080

All reporting units = ☐ ug/l (ppb) ☒ ug/kg (ppb)

RL = Reporting limit

Analyte	STORET CODE	ANALYSIS RESULTS	DETECTION LIMIT
			☐ X 1 ☒ X 100
Aldrin	39330	<RL	0.05
A -BHC	39337	<RL	0.05
B -BHC	39338	<RL	0.05
Lindane	39340	<RL	0.05
D -BHC	39340	<RL	0.05
Chlordane	39350	<RL	0.10
4,4'-DDD	39310	<RL	0.05
4,4'-DDE	39320	6	0.05
4,4'-DDT	39300	8	0.05
Dieldrin	39380	<RL	0.05
Endosulfan I	34361	<RL	0.05
Endosulfan II	34356	<RL	0.05
Endosulfan sulfate	34351	<RL	0.05
Endrin	39390	<RL	0.05
Endrin aldehyde	34366	<RL	0.05
Heptachlor	39410	<RL	0.05
Heptachlor epoxide	39420	<RL	0.05
Methoxychlor	39480	<RL	10
Toxaphene	39400	<RL	1.0

Calif. State Dept. of Health Services
Div. of Drinking Water & Environ. Management-SRL(South)
Chlorinated Pesticides

LAB ID NO 905-3667

DATE REPORTED : 6-10-99

METHOD USED : EPA ☐ 508 ☐ 608 ☒ 8080

All reporting units = ☐ ug/l (ppb) ☒ ug/kg (ppb)

RL = Reporting limit

Analyte	STORET CODE	ANALYSIS RESULTS	DETECTION LIMIT
			☐ X 1 ☒ X 100
Aldrin	39330	<RL	0.05
A -BHC	39337	<RL	0.05
B -BHC	39338	<RL	0.05
Lindane	39340	<RL	0.05
D -BHC	39340	<RL	0.05
Chlordane	39350	<RL	0.10
4,4'-DDD	39310	<RL	0.05
4,4'-DDE	39320	<RL	0.05
4,4'-DDT	39300	<RL	0.05
Dieldrin	39380	<RL	0.05
Endosulfan I	34361	<RL	0.05
Endosulfan II	34356	<RL	0.05
Endosulfan sulfate	34351	<RL	0.05
Endrin	39390	<RL	0.05
Endrin aldehyde	34366	<RL	0.05
Heptachlor	39410	<RL	0.05
Heptachlor epoxide	39420	<RL	0.05
Methoxychlor	39480	<RL	10
Toxaphene	39400	<RL	1.0

Calif. State Dept. of Health Services
Div. of Drinking Water & Environ. Management-SRL(South)
Chlorinated Pesticides

LAB ID NO 905-3668

DATE REPORTED : 6-10-99

METHOD USED : EPA ☐ 508 ☐ 608 ☒ 8080

All reporting units = ☐ ug/l (ppb) ☒ ug/kg (ppb)

RL = Reporting limit

Analyte	STORET CODE	ANALYSIS RESULTS	DETECTION LIMIT	
			☐ X 1	☒ X 100
Aldrin	39330	<RL	0.05	
A -BHC	39337	<RL	0.05	
B -BHC	39338	<RL	0.05	
Lindane	39340	<RL	0.05	
D -BHC	39340	<RL	0.05	
Chlordane	39350	<RL	0.10	
4,4'-DDD	39310	<RL	0.05	
4,4'-DDE	39320	<RL	0.05	
4,4'-DDT	39300	<RL	0.05	
Dieldrin	39380	<RL	0.05	
Endosulfan I	34361	<RL	0.05	
Endosulfan II	34356	<RL	0.05	
Endosulfan sulfate	34351	<RL	0.05	
Endrin	39390	<RL	0.05	
Endrin aldehyde	34366	<RL	0.05	
Heptachlor	39410	<RL	0.05	
Heptachlor epoxide	39420	<RL	0.05	
Methoxychlor	39480	<RL	10	
Toxaphene	39400	<RL	1.0	

Calif. State Dept. of Health Services
Div. of Drinking Water & Environ. Management-SRL(South)
Chlorinated Pesticides

LAB ID NO 905-3669

DATE REPORTED : 6-10-99

METHOD USED : EPA ☐ 508 ☐ 608 ☒ 8080

All reporting units = ☐ ug/l (ppb) ☒ ug/kg (ppb)

RL = Reporting limit

Analyte	STORET CODE	ANALYSIS RESULTS	DETECTION LIMIT
			☐ X 1 ☒ X 100
Aldrin	39330	<RL	0.05
A -BHC	39337	<RL	0.05
B -BHC	39338	<RL	0.05
Lindane	39340	<RL	0.05
D -BHC	39340	<RL	0.05
Chlordane	39350	<RL	0.10
4,4'-DDD	39310	<RL	0.05
4,4'-DDE	39320	<RL	0.05
4,4'-DDT	39300	<RL	0.05
Dieldrin	39380	<RL	0.05
Endosulfan I	34361	<RL	0.05
Endosulfan II	34356	<RL	0.05
Endosulfan sulfate	34351	<RL	0.05
Endrin	39390	<RL	0.05
Endrin aldehyde	34366	<RL	0.05
Heptachlor	39410	<RL	0.05
Heptachlor epoxide	39420	<RL	0.05
Methoxychlor	39480	<RL	10
Toxaphene	39400	<RL	1.0

Calif. State Dept. of Health Services
Div. of Drinking Water & Environ. Management-SRL(South)
Chlorinated Pesticides

LAB ID NO 905-3670

DATE REPORTED : 6-10-99

METHOD USED : EPA ☐ 508 ☐ 608 ☒ 8080

All reporting units = ☐ ug/l (ppb) ☒ ug/kg (ppb)

RL = Reporting limit

Analyte	STORET CODE	ANALYSIS RESULTS	DETECTION LIMIT
			☐ X 1 ☒ X 100
Aldrin	39330	<RL	0.05
A -BHC	39337	<RL	0.05
B -BHC	39338	<RL	0.05
Lindane	39340	<RL	0.05
D -BHC	39340	<RL	0.05
Chlordane	39350	<RL	0.10
4,4'-DDD	39310	<RL	0.05
4,4'-DDE	39320	<RL	0.05
4,4'-DDT	39300	<RL	0.05
Dieldrin	39380	<RL	0.05
Endosulfan I	34361	<RL	0.05
Endosulfan II	34356	<RL	0.05
Endosulfan sulfate	34351	<RL	0.05
Endrin	39390	<RL	0.05
Endrin aldehyde	34366	<RL	0.05
Heptachlor	39410	<RL	0.05
Heptachlor epoxide	39420	<RL	0.05
Methoxychlor	39480	<RL	10
Toxaphene	39400	<RL	1.0

Calif. State Dept. of Health Services
Div. of Drinking Water & Environ. Management-SRL(South)
Chlorinated Pesticides

LAB ID NO 905-3671

DATE REPORTED : 6-10-99

METHOD USED : EPA ☐ 508 ☐ 608 ☒ 8080

All reporting units = ☐ ug/l (ppb) ☒ ug/kg (ppb)

RL = Reporting limit

Analyte	STORET CODE	ANALYSIS RESULTS	DETECTION LIMIT
			☐ X 1 ☒ X 100
Aldrin	39330	<RL	0.05
A -BHC	39337	<RL	0.05
B -BHC	39338	<RL	0.05
Lindane	39340	<RL	0.05
D -BHC	39340	<RL	0.05
Chlordane	39350	<RL	0.10
4,4'-DDD	39310	<RL	0.05
4,4'-DDE	39320	<RL	0.05
4,4'-DDT	39300	<RL	0.05
Dieldrin	39380	<RL	0.05
Endosulfan I	34361	<RL	0.05
Endosulfan II	34356	<RL	0.05
Endosulfan sulfate	34351	<RL	0.05
Endrin	39390	<RL	0.05
Endrin aldehyde	34366	<RL	0.05
Heptachlor	39410	<RL	0.05
Heptachlor epoxide	39420	<RL	0.05
Methoxychlor	39480	<RL	10
Toxaphene	39400	<RL	1.0

Calif. State Dept. of Health Services
Div. of Drinking Water & Environ. Management-SRL(South)
Chlorinated Pesticides

LAB ID NO 905-3672

DATE REPORTED : 6-10-99

METHOD USED : EPA ☐ 508 ☐ 608 ☒ 8080

All reporting units = ☐ ug/l (ppb) ☒ ug/kg (ppb)

RL = Reporting limit

Analyte	STORET CODE	ANALYSIS RESULTS	DETECTION LIMIT
			☐ X 1 ☒ X 100
Aldrin	39330	<RL	0.05
A -BHC	39337	<RL	0.05
B -BHC	39338	<RL	0.05
Lindane	39340	<RL	0.05
D -BHC	39340	<RL	0.05
Chlordane	39350	<RL	0.10
4,4'-DDD	39310	<RL	0.05
4,4'-DDE	39320	<RL	0.05
4,4'-DDT	39300	<RL	0.05
Dieldrin	39380	<RL	0.05
Endosulfan I	34361	<RL	0.05
Endosulfan II	34356	<RL	0.05
Endosulfan sulfate	34351	<RL	0.05
Endrin	39390	<RL	0.05
Endrin aldehyde	34366	<RL	0.05
Heptachlor	39410	<RL	0.05
Heptachlor epoxide	39420	<RL	0.05
Methoxychlor	39480	<RL	10
Toxaphene	39400	<RL	1.0

Analysis Request Form

Name of Sampler: E. Erickson, E. Burres, R. DeShazo Phone No: (213) 546-6683
 Sampler employed by: ☐ ODW J. Owen, S. Markosian
 R.W.Q.C. Board No: ☒ 4 ☐ 7 ☐ 8 2001 MAR 30 P(12:40)

Sample source: Santa Clara River

Date collected: 2/20/01 Analysis Task No. _____

Sample Type: ☐ Drinking Water : ☐ Ground water ☒ Surface water
☐ Waste water : Chlorinated ☐ Yes ☐ No
☐ Solid sample : ☐ Soil ☐ Sludge ☐ Sediment
☐ Other _____

Use your own bottle ID number for each bottle.

For Lab Use Log Number	Bottle ID No.	Sampling Point	Time Collected	Type of Analysis Required (Be specific)
6737		Bouquet Cny @ McBean Pkwy	8:51 am	General Minerals with TDS, Cl, SO ₄ , NO ₃ , NO ₂ , pH, B
6738		1 mile above Lang Bauging Sta.	9:33 am	" per E. Erickson
6739		Bootlegger Cny Road	10:01 am	" "
6740		Thousand Trails off Crown Valley Road	10:57 am	" "
6741		Acton & Baudell Development	10:39 am	" "

Warning or special instruction on samples:

Seals: ☐ Intact ☐ None ☐ Broken

Samples relinquished by	Date	Time
<u>[Signature]</u>	2/20/01	12:30
Samples relinquished by		
Received for Lab by <u>SA Paulina</u>	2/20/01	12:30

Sanitation and Radiation Laboratory Branch
State of California-Department of Health Services
1449 West Temple Street, Suite 101
Los Angeles CA 90026-5698

Lab No. 102-6737-01 to 102-6741-01

Samples received: February 20, 2001

Collector: Erickson/Burres/...

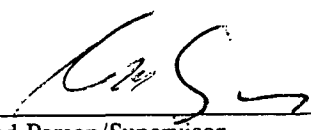
Water Quality Control Board
Los Angeles Region (4)
320 West 4th Street #200
Los Angeles CA 90013

Source: Santa Clara River
System No:

Billed to: Water Quality Control Board
Los Angeles Region (4)

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
Lab no: 102-6737-01 Submitter's no: : Surface water sampled on 02/20/01 (8:51 AM) - Bouquet Cyn@McBean					
pH	EPA 150.1	00403	7.8		0.1
Total dissolved solids	EPA 150.1	70300	607	mg/L	10
Chloride	EPA 150.1	00940	99	mg/L	1
Sulfate	EPA 150.1	00945	133	mg/L	1
Nitrate nitrogen	EPA 150.1	71850	2.90	mg/L	0.2
Nitrite nitrogen	EPA 150.1	00630	<RL	mg/L	0.03
Boron	EPA 150.1	01022	0.65	mg/L (ppm)	0.05
Lab no: 102-6738-01 Submitter's no: : Surface water sampled on 02/20/01 (9:33 AM) - Mi abv Lang Gauging					
pH	EPA 150.1	00403	8.2		0.1
Total dissolved solids	EPA 150.1	70300	515	mg/L	10
Chloride	EPA 150.1	00940	57	mg/L	1
Sulfate	EPA 150.1	00945	93	mg/L	1
Nitrate nitrogen	EPA 150.1	71850	0.6	mg/L	0.2
Nitrite nitrogen	EPA 150.1	00630	<RL	mg/L	0.030
Boron	EPA 150.1	01022	0.34	mg/L (ppm)	0.05
Lab no: 102-6739-01 Submitter's no: : Surface water sampled on 02/20/01 (10:01 AM) - Bootlegger Cyn Road					
pH	EPA 150.1	00403	8.4		0.1
Total dissolved solids	EPA 150.1	70300	398	mg/L	10
Chloride	EPA 150.1	00940	36	mg/L	1
Sulfate	EPA 150.1	00945	67	mg/L	1
Nitrate nitrogen	EPA 150.1	71850	1.10	mg/L	0.2
Nitrite nitrogen	EPA 150.1	00630	<RL	mg/L	0.03
Boron	EPA 150.1	01022	0.062	mg/L (ppm)	0.05
Lab no: 102-6740-01 Submitter's no: : Surface water sampled on 02/20/01 (10:57 AM) - Thousand Trails					
pH	EPA 150.1	00403	8.2		0.1
Total dissolved solids	EPA 150.1	70300	373	mg/L	10
Chloride	EPA 150.1	00940	34	mg/L	1
Sulfate	EPA 150.1	00945	68	mg/L	1
Nitrate nitrogen	EPA 150.1	71850	1.28	mg/L	0.2
Nitrite nitrogen	EPA 150.1	00630	<RL	mg/L	0.03
Boron	EPA 150.1	01022	0.055	mg/L (ppm)	0.05

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
Lab no: 102-6741-01 Submitter's no: : Surface water sampled on 02/20/01 (10:39 AM) - Acton/Bourdell Rd.					
pH	EPA 350.2	00403	7.9		0.1
Total dissolved solids	EPA 350.2	70300	96	mg/L	10
Chloride	EPA 350.2	00940	4.36	mg/L	1
Sulfate	EPA 350.2	00945	5.36	mg/L	1
Nitrate nitrogen	EPA 350.2	71850	1.78	mg/L	0.2
Nitrite nitrogen	EPA 350.2	00630	<RL	mg/L	0.03
Boron	EPA 350.2	01022	0.21	mg/L (ppm)	0.05



Lead Person/Supervisor

Date

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Sarkis/Ericksen
Waterbody Name: Santa Clara River
Location: Boat Ladder Ryn RD
Date and time of Collection: 8:30 AM

Field Observations:

7.7
7.6
7.8

Weather: (circle) clear sunny overcast raining
Approximate air temp. 55° (F)
Most recent rain (if applicable) 36 hours ago
Stream Depth: (approx.) 10" Width: (approx.) 6'
Velocity ft/sec Flow: cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky
Color: (circle) clear pale yellow yellow amber
 brown green other
Clarity: (circle) clear turbid

19 sec
for
50'
23 sec
for
50'

Field Chemistry: (Hydrolab)

Temp. 6.6 °C DO mg/L
pH 7.7 Conduct. mS/cm

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral Coliform VOCs
 TDS, Cl, SO4 B BOD TPH
 NO3, NO2, NH3 MBAS Pesticides
 P Metals Other

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other

Likely source(s) of water in stream:

- Rising GW
- Reclaimed water (municipal effluent)
- Urban runoff
- Agricultural runoff
- X Natural runoff (i.e. snowmelt, rainfall)
- Releases from upstream dam
- Unknown

lake
010001
N 002900

Other comments: fast on

DJS 12/15/92
5.5
x 9
49.5 feet
15 seconds

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

site
2

SURFACE WATER SAMPLING FIELD SHEET

Sampler: SARKIS
Waterbody Name: SANTA CLARA RIVER
Location: San Gabriel River
Date and time of Collection: 2/15/2002 Time 9:45

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 50 (F)
Most recent rain (if applicable) 30 hrs ago
Stream Depth: (approx.) 2-6 inches Width: (approx.) 20 feet
Velocity ft/sec Flow: cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky
Color: (circle) clear pale yellow yellow amber
brown green other
Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 57.2 C DO mg/L
pH 7.3 Conduct. mS/cm

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral Coliform VOCs
TDS, Cl, SO4, B BOD TPH
NO3, NO2, NH3 MBAS Pesticides
P Metals Other

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other gravel pit

Likely source(s) of water in stream:

- ☒ Rising GW
☐ Reclaimed water (municipal effluent)
☐ Urban runoff
☐ Agricultural runoff
☒ Natural runoff (i.e. snowmelt, rainfall)
☐ Releases from upstream dam
☐ Unknown

Other comments: no algae, cold

DJS 12/15/92

N
000721
010007

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Sarkis / Erickson
Waterbody Name: San Gabriel River
Location: Buena Vista Canyon - below at McBean play - rising water
Date and time of Collection: 10-25

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 60 (F)
Most recent rain (if applicable) 36 hrs.
Stream Depth: (approx.) 1" Width: (approx.) 2'
Velocity 3 in ft/sec Flow: 20 sec cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky
Color: (circle) clear pale yellow yellow amber
SS' brown green other
Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 15.3 C DO 6.9 mg/L
pH 6.9 Conduct. 6.9 mS/cm

Were water quality samples taken during this site visit? (Y) N

Circle: Gen. Mineral TDS, Cl, SO4, B Coliform BOD VOCs
NO3, NO2, NH3 MBAS TPH
P Metals Pesticides
Other

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other

Likely source(s) of water in stream:

- ☒ Rising GW
☐ Reclaimed water (municipal effluent)
☐ Urban runoff
☐ Agricultural runoff
☐ Natural runoff (i.e. snowmelt, rainfall)
☐ Releases from upstream dam
☐ Unknown

Other comments: dry upstream of bridge except for effluent discharge
DJS 12/15/92

(Site 4)

11:10
2/15/01

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Sarkis/Enckon
Waterbody Name: Santa Clara W pier 99
Location: _____
Date and time of Collection: 11:10

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 65 (F)
Most recent rain (if applicable) 3/6/00
Stream Depth: (approx.) _____ Width: (approx.) _____
Velocity _____ ft/sec Flow: _____ cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky

Color: (circle) clear pale yellow yellow amber
brown green other _____

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 15.8 C DO _____ mg/L
pH 6.9 Conduct. _____ mS/cm

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral	Coliform	VOCs
TDS, Cl, SO ₄ , B	BOD	TPH
NO ₃ , NO ₂ , NH ₃	MBAS	Pesticides
P	Metals	Other _____

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other _____

Likely source(s) of water in stream:

- _____ Rising GW
- _____ Reclaimed water (municipal effluent)
- _____ Urban runoff
- _____ Agricultural runoff
- _____ Natural runoff (i.e. snowmelt, rainfall)
- _____ Releases from upstream dam
- _____ Unknown

Other comments: deer tracks

DJS 12/15/92

vacuum tracks
upstream of POTW

(Site 5)
12:30 PM
2/15/01

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: S. ARNOLD/Ericksen
Waterbody Name: SANTA CLARA RIVER
Location: Bluecut
Date and time of Collection: 2/15/2001 12:38

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 60 (F)
Most recent rain (if applicable) 20 hrs
Stream Depth: (approx.) 15' Width: (approx.) 30'
Velocity 50 feet ft/sec Flow: 5 cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky
5 second

Color: (circle) clear brown pale yellow yellow amber
green other

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. C DO mg/L
pH Conduct. mS/cm

Were water quality samples taken during this site visit? (Y) N

Circle: Gen. Mineral Coliform VOCs
TDS, Cl, SO4, B BOD TPH
NO3, NO2, NH3 MBAS Pesticides
P Metals Other

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other

Likely source(s) of water in stream:

- ☒ Rising GW
- ☒ Reclaimed water (municipal effluent)
- ☒ Urban runoff
- ☒ Agricultural runoff
- ☐ Natural runoff (i.e. snowmelt, rainfall)
- ☐ Releases from upstream dam
- ☐ Unknown

Other comments: at site of Camulas diversion -

DJS 12/15/92

now washed away

50 x 30 x 1.5
5
Sample #
G1 010201
N 000906

5, 12(6)

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Sarkis/Ericksen
Waterbody Name: Santa Clara River
Location: Freeman Diversion
Date and time of Collection: 1:45 12/15/01

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 65 (F)
Most recent rain (if applicable) 36 hr
Stream Depth: (approx.) 3' Width: (approx.) 300' (?)
Velocity 12 seconds ft/sec Flow: 50' cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky

Color: (circle) clear pale yellow yellow amber
brown green other

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. _____ C DO _____ mg/L
pH _____ Conduct. _____ mS/cm

Were water quality samples taken during this site visit? (Y) N

Circle: Gen. Mineral	Coliform	VOCs
<u>TDS, Cl, SO4, B</u>	BOD	TPH
<u>NO3, NO2, NH3</u>	MBAS	Pesticides
P	Metals	Other _____

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other _____

Likely source(s) of water in stream:

☒ Rising GW
☒ Reclaimed water (municipal effluent)
☒ Urban runoff
☒ Agricultural runoff
☒ Natural runoff (i.e. snowmelt, rainfall)
☒ Releases from upstream dam
☐ Unknown

Other comments: taken from fish ladder

DJS 12/15/92 width stream flow estimated upstream.

6101020,
N001211

Site (7)

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Sarkis / Erickson
Waterbody Name: Santa Clara River
Location: Fillmore Street A
Date and time of Collection: 2/15/01 2:35

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 65 (F)
Most recent rain (if applicable) 36'
Stream Depth: (approx.) 2' Width: (approx.) 30'
Velocity 1/second ft/sec Flow: 50 cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky
Color: (circle) clear pale yellow yellow amber
brown green other
Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. C DO mg/L
pH Conduct. mS/cm

Were water quality samples taken during this site visit? (Y) N

Circle: Gen. Mineral Coliform VOCs
TDS, Cl, SO4, B BOD TPH
NO3, NO2, NH3 MBAS Pesticides
P Metals Other

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other

Likely source(s) of water in stream:

☒ Rising GW
☒ Reclaimed water (municipal effluent)
☒ Urban runoff
☒ Agricultural runoff
☒ Natural runoff (i.e. snowmelt, rainfall)
☒ Releases from upstream dam
☐ Unknown

Other comments: Stream width 3x bigger yesterday

DJS 12/15/92

Analysis Request Form

Name of Sampler: E. Erickson, E. Burres, R. Deshazo, J. Owen, S. Markosian
 Sampler employed by: ☐ ODW
 R.W.Q.C. Board No: ☒ 4 ☐ 7 ☐ 8

Phone No: (213) 576-6683

Sample source: Santa Clara River

Date collected: 2/20/01

Analysis Task No. _____

Sample Type: ☐ Drinking Water : ☐ Ground water ☒ Surface water
☐ Waste water : Chlorinated ☐ Yes ☐ No
☐ Solid sample : ☐ Soil ☐ Sludge ☐ Sediment
☐ Other _____

Use your own bottle ID number for each bottle.

For Lab Use Log Number	Bottle ID No.	Sampling Point	Time Collected	Type of Analysis Required (Be specific)
6742	001211	Acton & Bandell Road Develop- ment	10:39 am	Ammonia, Organic Nitrogen
6743	000906	Bouquet Cyn @ McBean Pwy	8:51 am	" "
6744	001211	1 mile above Lang Gauging Sta.	9:33 am	" "
6745	000906	Bootlegger Cyn Road	10:01 am	" "
6746	001811	Thousand Trails Camp off Crown Valley Rd.	10:57 am	" "

Warning or special instruction on samples:

Seals: ☐ Intact ☐ None ☐ Broken

Samples relinquished by	Date	Time
<u>Renee Deshazo</u>	<u>2/20/01</u>	<u>12:35</u>
Samples relinquished by		
Received for Lab by <u>DA Raulinatis</u>	<u>2/20/01</u>	<u>12:35</u>

Sewitation and Radiation Laboratory Branch
State of California-Department of Health Services
1449 West Temple Street, Suite 101
Los Angeles CA 90026-5698

Lab No. 102-6742-01 to 102-6746-01

Samples received: February 20,2001

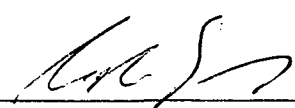
Collector: Erickson/Burres/...

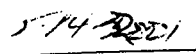
Water Quality Control Board
Los Angeles Region (4)
320 West 4th Street #200
Los Angeles CA 90013

Source: Santa Clara River
System No:

Billed to: Water Quality Control Board
Los Angeles Region (4)

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
Lab no: 102-6742-01	Submitter's no: 001211: Surface water sampled on 02/20/01 (10:39 AM) - Bouquet Cyn@McBean				
Ammonia nitrogen	EPA 350.2	00610	0.10	mg/L	0.05
Organic nitrogen	EPA 350.2	00625	1.45	mg/L	0.05
Lab no: 102-6743-01	Submitter's no: 000906: Surface water sampled on 02/20/01 (8:51 AM) - Mi abv Lang Gauging				
Ammonia nitrogen	EPA 350.2	00610	0.67	mg/L	0.05
Organic nitrogen	EPA 350.2	00625	<RL	mg/L	0.05
Lab no: 102-6744-01	Submitter's no: 001211: Surface water sampled on 02/20/01 (9:33 AM) - Bootlegger Cyn Road				
Ammonia nitrogen	EPA 350.2	00610	<RL	mg/L	0.05
Organic nitrogen	EPA 350.2	00625	0.62	mg/L	0.05
Lab no: 102-6745-01	Submitter's no: 000906: Surface water sampled on 02/20/01 (10:01 AM) - Thousand Trails				
Ammonia nitrogen	EPA 350.2	00610	0.12	mg/L	0.05
Organic nitrogen	EPA 350.2	00625	0.59	mg/L	0.05
Lab no: 102-6746-01	Submitter's no: 001211: Surface water sampled on 02/20/01 (10:57 AM) - Acton/Bourdell Rd.				
Ammonia nitrogen	EPA 365.2	00610	<RL	mg/L	0.05
Organic nitrogen	EPA 365.2	00625	0.06	mg/L	0.05


Lead Person/Supervisor


Date

Analysis Request Form

Name of Sampler: E. Erickson, E. Burres, R. DeShazo,

Phone No:

J. Owen, S. Markosian (213) 576-6683

Sampler employed by: ☐ ODW

R.W.Q.C. Board No: ☒ 4 ☐ 7 ☐ 8

()

Sample source: Santa Clara River

Date collected: 2/20/01

Analysis Task No. _____

Sample Type: ☐ Drinking Water : ☐ Ground water ☒ Surface water
☐ Waste water : Chlorinated ☐ Yes ☐ No
☐ Solid sample : ☐ Soil ☐ Sludge ☐ Sediment
☐ Other _____

Use your own bottle ID number for each bottle.

For Lab Use Log Number	Bottle ID No.	Sampling Point	Time Collected	Type of Analysis Required (Be specific)
6747		Bouquet Cny @ McBean Pkwy	8:51 am	B (total) asp
6748		1 mile above Lang Gauging Sta	9:33 am	"
6749		Bootlegger Cny Road	10:01 am	"
6750		Thousand Trails off Crown Valley Rd.	10:57 am	"
6751		Acton & Bandell Rd. Development	10:39 am	"

Warning or special instruction on samples:

Seals: ☐ Intact ☐ None ☐ Broken

Date

Time

Samples relinquished by

[Signature]

2/20/01

12:35

Samples relinquished by

Received for Lab by

J. A. Raulinaitis

2/20/01

12:35

Sanitation and Radiation Laboratory Branch
State of California-Department of Health Services
1449 West Temple Street, Suite 101
Los Angeles CA 90026-5698

Lab No. 102-6747-01 to 102-6751-01

Samples received: February 20,2001

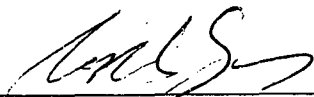
Collector: Erickson/Burres/...

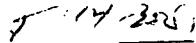
Water Quality Control Board
Los Angeles Region (4)
320 West 4th Street #200
Los Angeles CA 90013

Source: Santa Clara River
System No:

Billed to: Water Quality Control Board
Los Angeles Region (4)

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
Lab no: 102-6747-01 Phosphate-P, total	Submitter's no: : Surface water sampled on 02/20/01 EPA 365.2	00665	(8:51 AM) - Bouquet Cyn@McBean 0.21	mg/L	0.010
Lab no: 102-6748-01 Phosphate-P, total	Submitter's no: : Surface water sampled on 02/20/01 EPA 365.2	00665	(9:33 AM) - Mi abv Lang Gauging 0.02	mg/L	0.010
Lab no: 102-6749-01 Phosphate-P, total	Submitter's no: : Surface water sampled on 02/20/01 EPA 365.2	00665	(10:01 AM) - Bootlegger Cyn Road 0.02	mg/L	0.010
Lab no: 102-6750-01 Phosphate-P, total	Submitter's no: : Surface water sampled on 02/20/01 EPA 365.2	00665	(10:57 AM) - Thousand Trails 0.16	mg/L	0.010
Lab no: 102-6751-01 Phosphate-P, total	Submitter's no: : Surface water sampled on 02/20/01 EPA 340.3	00665	(10:39 AM) - Acton/Bourdell Rd. 4.50	mg/L	0.010


Lead Person/Supervisor


Date

Analysis Request Form

Name of Sampler: E. Erickson, E. Burres, R. DeShazo, J. Dea, S. Markosian Phone No: (213) 576-6683
 Sampler employed by: ☐ ODW
 R.W.Q.C. Board No: ☒ 4 ☐ 7 ☐ 8 2001 MAR 30 P 12:40 ()

Sample source: Santa Clara River

Date collected: 2/20/01 Analysis Task No. _____

Sample Type: ☐ Drinking Water : ☐ Ground water ☒ Surface water
☐ Waste water : Chlorinated ☐ Yes ☐ No
☐ Solid sample : ☐ Soil ☐ Sludge ☐ Sediment
☐ Other _____

Use your own bottle ID number for each bottle.

For Lab Use Log Number	Bottle ID No.	Sampling Point	Time Collected	Type of Analysis Required (Be specific)
<u>6732</u> <u>6688</u>		<u>Bouquet Cyn @</u> <u>McBean Pkwy</u>	<u>8:51 am</u>	<u>Coliform (Total, Fecal, E. coli)</u> <u>Enterococcus</u>
<u>6733</u> <u>6689</u>		<u>1 mile above</u> <u>Lang Gauging Sta.</u>	<u>9:33 am</u>	<u>" "</u>
<u>6734</u> <u>6690</u>		<u>Bootlegger Cyn</u> <u>Road</u>	<u>10:01</u> <u>am</u>	<u>" "</u>
<u>6735</u> <u>6691</u>		<u>Thousand Trails</u> <u>off Crown Valley Rd.</u>	<u>10:57</u> <u>am</u>	<u>" "</u>
<u>6736</u>		<u>Acton + Bandell</u> <u>Rd. Development</u>	<u>10:39</u> <u>am</u>	<u>" "</u>

Warning or special instruction on samples:

Seals: ☐ Intact ☐ None ☐ Broken

Samples relinquished by	<u>Wm Wm</u>	Date	<u>2/20/01</u>	Time	<u>12:20</u>
Samples relinquished by					
Received for Lab by	<u>JA Kaulinatis</u>	Date	<u>2/20/01</u>	Time	<u>12:20</u>

Sanitation and Radiation Laboratory Branch
State of California-Department of Health Services
1449 West Temple Street, Suite 101
Los Angeles CA 90026-5698

Lab No. 102-6732-01 to 102-6736-01

Samples received: February 20,2001

Collector: Erickson/Burres/...

Water Quality Control Board
Los Angeles Region (4)
320 West 4th Street #200
Los Angeles CA 90013

Source: Santa Clara River
System No:

Billed to: Water Quality Control Board
Los Angeles Region (4)

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
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Lab no: 102-6732-01 Submitter's no: : Surface water sampled on 02/20/01 (8:51 AM) - Bouquet Cyn@McBean

Coli (Tot & Fec) Conf, to 20 tubes:	MPN				
Total coliform			5000	MPN/100 mL	20
Fecal coliform			<RL	MPN/100 mL	20

E. Coli, Enterococcus determinations not done.

Lab no: 102-6733-01 Submitter's no: : Surface water sampled on 02/20/01 (9:33 AM) - Mi abv Lang Gauging

Coli (Tot & Fec) Conf, to 20 tubes:	MPN				
Total coliform			2300	MPN/100 mL	20
Fecal coliform			<RL	MPN/100 mL	20

E. Coli MPN < 20/100 mL Enterococcus Not determined

Lab no: 102-6734-01 Submitter's no: : Surface water sampled on 02/20/01 (10:01 AM) - Bootlegger Cyn Road

Coli (Tot & Fec) Conf, to 20 tubes:	MPN				
Total coliform			1700	MPN/100 mL	20
Fecal coliform			<RL	MPN/100 mL	20

E. Coli, Enterococcus determinations not done.

Lab no: 102-6735-01 Submitter's no: : Surface water sampled on 02/20/01 (10:57 AM) - Thousand Trails

Coli (Tot & Fec) Conf, to 20 tubes:	MPN				
Total coliform			2200	MPN/100 mL	20
Fecal coliform			20	MPN/100 mL	20

E. Coli, Enterococcus determinations not done.

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
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Lab no: 102-6736-01 Submitter's no: : Surface water sampled on 02/20/01 (10:39 AM) - Acton/Bourdell Rd.

Coli (Tot & Fec) Conf, to 20 tubes:

EPA 150.1

Total coliform

2300

MPN/100 mL

200

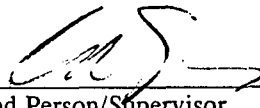
Fecal coliform

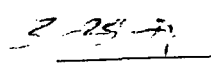
<RL

MPN/100 mL

200

E. Coli MPN < 200/100 mL Enterococcus Not determined


Lead Person/Supervisor


Date

Analysis Request Form

Name of Sampler: E. Erickson, J. Owen, R. DeShazo

Phone No: (213) 576-6683

Sampler employed by: ☐ ODW

R.W.Q.C. Board No: ☒ 4 ☐ 7 ☐ 8

Sample source: Santa Clara River

Date collected: 2/21/01

Analysis Task No. _____

Sample Type: ☐ Drinking Water : ☐ Ground water ☒ Surface water
☐ Waste water : Chlorinated ☐ Yes ☐ No
☐ Solid sample : ☐ Soil ☐ Sludge ☐ Sediment
☐ Other _____

Use your own bottle ID number for each bottle.

For Lab Use Log Number	Bottle ID No.	Sampling Point	Time Collected	Type of Analysis Required (Be specific)
102- 6763		Freeman Diversion	8:58 am	Ammonia, Organic Nitrogen
102- 6764		Fillmore A Street	9:57 am	
102- 6765		Blue Cut on Hwy 126	10:32 am	
102- 6766		W. Pier 99	11:03 am	

Warning or special instruction on samples:

Seals: ☐ Intact ☒ None ☐ Broken

	Date	Time
Samples relinquished by <u>[Signature]</u>	2-21-01	12:10
Samples relinquished by _____		
Received for Lab by <u>[Signature]</u>	2-21-01	12 PM

Sanitation and Radiation Laboratory Branch
State of California-Department of Health Services
1449 West Temple Street, Suite 101
Los Angeles CA 90026-5698

Lab No. 102-6763-01 to 102-6766-01

Samples received: February 21, 2001

Collector: Erickson/Owen/DeShar

Water Quality Control Board
Los Angeles Region (4)
320 West 4th Street #200
Los Angeles CA 90013

Source: Santa Clara River
System No:

Billed to: Water Quality Control Board
Los Angeles Region (4)

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
Lab no: 102-6763-01	Submitter's no: : Surface water sampled on 02/21/01		(8:58 AM) - Freeman Diversion		
Ammonia nitrogen	EPA 350.2	00610	<RL	mg/L	0.05
Organic nitrogen	EPA 350.2	00625	0.12	mg/L	0.05
Lab no: 102-6764-01	Submitter's no: : Surface water sampled on 02/21/01		(9:57 AM) - Fillmore A Street		
Ammonia nitrogen	EPA 350.2	00610	<RL	mg/L	0.05
Organic nitrogen	EPA 350.2	00625	<RL	mg/L	0.05
Lab no: 102-6765-01	Submitter's no: : Surface water sampled on 02/21/01		(10:32 AM) - Blue Cut on Hwy 126		
Ammonia nitrogen	EPA 350.2	00610	3.55	mg/L	0.05
Organic nitrogen	EPA 350.2	00625	0.82	mg/L	0.05
Lab no: 102-6766-01	Submitter's no: : Surface water sampled on 02/21/01		(11:03 AM) - W. Pier 99		
Ammonia nitrogen	MPN	00610	<RL	mg/L	0.05
Organic nitrogen	MPN	00625	0.29	mg/L	0.05


Lead Person/Supervisor

5-14-2001
Date

Analysis Request Form

Name of Sampler: E. Erickson, J. Owen, R. D. [RECEIVED] Phone No: (213) 576-6683
 Sampler employed by: ☐ ODW
 R.W.Q.C. Board No: ☒ 4 ☐ 7 ☐ 8 2001 MAR 30 P 12(40)

Sample source: Santa Clara River

Date collected: 2/21/01 Analysis Task No. _____

Sample Type: ☐ Drinking Water : ☐ Ground water ☒ Surface water
☐ Waste water : ☐ Chlorinated ☐ Yes ☐ No
☐ Solid sample : ☐ Soil ☐ Sludge ☐ Sediment
☐ Other _____

Use your own bottle ID number for each bottle.

For Lab Use Log Number	Bottle ID No.	Sampling Point	Time Collected	Type of Analysis Required (Be specific)
102- 6759		Freeman Diversion	8:58 am	General Minerals, Nitrite, Boron
102- 6760		Fillmore A Street	9:57 am	"
102- 6761		Blue Cut on Hwy 146	10:32 am	"
102- 6762		W. Pier 99	11:03 am	"

Warning or special instruction on samples:

Seals: ☐ Intact ☒ None ☐ Broken	Date	Time
Samples relinquished by <u>[Signature]</u>	<u>2-21-01</u>	<u>12:10</u>
Samples relinquished by _____		
Received for Lab by <u>[Signature]</u>	<u>2-21-01</u>	<u>12:10</u>

Sanitation and Radiation Laboratory Branch
State of California-Department of Health Services
1449 West Temple Street, Suite 101
Los Angeles CA 90026-5698

Lab No. 102-6759-01 to 102-6762-01

Samples received: February 21,2001

Collector: Erickson/Owen/DeShar

Water Quality Control Board
Los Angeles Region (4)
320 West 4th Street #200
Los Angeles CA 90013

Source: Santa Clara River
System No:

Billed to: Water Quality Control Board
Los Angeles Region (4)

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
Lab no: 102-6759-01 Submitter's no : Surface water sampled on 02/21/01 (8:58 AM) - Freeman Diversion					
pH	EPA 120.1	00403	8.0		0.1
Specific Conductance	EPA 120.1	00095	747	µmho/cm	20
Total dissolved solids	EPA 120.1	70300	532	mg/L	10
Alkalinity:	EPA 120.1				
Total Alkalinity (as equivalent CaCO3)		00410	156	mg/L	1
Bicarbonate (as HCO3)		00440	190	mg/L	1
Carbonate (as CO3)		00445	<RL	mg/L	1
Hydroxide (as OH)		71930	<RL	mg/L	1
Hardness	EPA 120.1	00900	364	mg/L	1
Calcium	EPA 120.1	00916	90.9	mg/L	1
Magnesium	EPA 120.1	00927	29.8	mg/L	1
Sodium	EPA 120.1	00929	44.7	mg/L	5
Potassium	EPA 120.1	00937	2.56	mg/L	0.1
Iron	EPA 120.1	01045	0.53	mg/L	0.1
Manganese	EPA 120.1	01055	<RL	mg/L	0.03
Chloride	EPA 120.1	00940	23	mg/L	1
Fluoride	EPA 120.1	00951	0.55	mg/L	0.1
Sulfate	EPA 120.1	00945	246	mg/L	1
Nitrate nitrogen	EPA 120.1	71850	0.69	mg/L	0.2
Nitrite nitrogen	EPA 120.1	00630	0.05	mg/L	0.03
Boron	EPA 120.1	01022	0.30	mg/L (ppm)	0.05

Lab no: 102-6760-01 Submitter's no : Surface water sampled on 02/21/01 (9:57 AM) - Fillmore A Street					
pH	EPA 120.1	00403	8.1		0.1
Specific Conductance	EPA 120.1	00095	1228	µmho/cm	20
Total dissolved solids	EPA 120.1	70300	1000	mg/L	10
Alkalinity:	EPA 120.1				
Total Alkalinity (as equivalent CaCO3)		00410	228	mg/L	1
Bicarbonate (as HCO3)		00440	278	mg/L	1
Carbonate (as CO3)		00445	<RL	mg/L	1
Hydroxide (as OH)		71930	<RL	mg/L	1
Hardness	EPA 120.1	00900	655	mg/L	1
Calcium	EPA 120.1	00916	80.7	mg/L	1
Magnesium	EPA 120.1	00927	58.3	mg/L	1
Sodium	EPA 120.1	00929	95.1	mg/L	5
Potassium	EPA 120.1	00937	5.32	mg/L	0.1
Iron	EPA 120.1	01045	<RL	mg/L	0.1
Manganese	EPA 120.1	01055	<RL	mg/L	0.03

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
Lab. no: 102-6760-01 continued.					
Chloride	EPA 120.1	00940	58	mg/L	1
Fluoride	EPA 120.1	00951	0.73	mg/L	0.1
Sulfate	EPA 120.1	00945	472	mg/L	1
Nitrate nitrogen	EPA 120.1	71850	2.97	mg/L	0.2
Nitrite nitrogen	EPA 120.1	00630	<RL	mg/L	0.03
Boron	EPA 120.1	01022	0.59	mg/L (ppm)	0.05

Lab no: 102-6761-01 **Submitter's no: : Surface water sampled on 02/21/01 (10:32 AM) - Blue Cut on Hwy 126**

pH	EPA 120.1	00403	8.3		0.1
Specific Conductance	EPA 120.1	00095	1447	μmho/cm	20
Total dissolved solids	EPA 120.1	70300	1100	mg/L	10
Alkalinity:	EPA 120.1				
Total Alkalinity (as equivalent CaCO3)		00410	282	mg/L	1
Bicarbonate (as HCO3)		00440	344	mg/L	1
Carbonate (as CO3)		00445	<RL	mg/L	1
Hydroxide (as OH)		71930	<RL	mg/L	1
Hardness	EPA 120.1	00900	593	mg/L	1
Calcium	EPA 120.1	00916	141	mg/L	1
Magnesium	EPA 120.1	00927	44.3	mg/L	1
Sodium	EPA 120.1	00929	172	mg/L	5
Potassium	EPA 120.1	00937	10.4	mg/L	0.1
Iron	EPA 120.1	01045	0.36	mg/L	0.1
Manganese	EPA 120.1	01055	0.05	mg/L	0.03
Chloride	EPA 120.1	00940	115	mg/L	1
Fluoride	EPA 120.1	00951	0.51	mg/L	0.1
Sulfate	EPA 120.1	00945	459	mg/L	1
Nitrate nitrogen	EPA 120.1	71850	2.42	mg/L	0.2
Nitrite nitrogen	EPA 120.1	00630	0.28	mg/L	0.03
Boron	EPA 120.1	01022	0.67	mg/L (ppm)	0.05

Lab no: 102-6762-01 **Submitter's no: : Surface water sampled on 02/21/01 (11:03 AM) - W. Pier 99**

pH		00403	8.3		0.1
Specific Conductance		00095	1097	μmho/cm	20
Total dissolved solids		70300	729	mg/L	10
Alkalinity:					
Total Alkalinity (as equivalent CaCO3)		00410	276	mg/L	1
Bicarbonate (as HCO3)		00440	337	mg/L	1
Carbonate (as CO3)		00445	<RL	mg/L	1
Hydroxide (as OH)		71930	<RL	mg/L	1
Hardness		00900	426	mg/L	1
Calcium		00916	106	mg/L	1
Magnesium		00927	32.3	mg/L	1
Sodium		00929	114	mg/L	5
Potassium		00937	6.14	mg/L	0.1
Iron		01045	0.59	mg/L	0.1
Manganese		01055	0.07	mg/L	0.03
Chloride		00940	101	mg/L	1
Fluoride		00951	0.48	mg/L	0.1

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
Lab. no: 102-6762-01 continued.					
Sulfate		00945	200	mg/L	1
Nitrate nitrogen		71850	2.21	mg/L	0.2
Nitrite nitrogen		00630	0.06	mg/L	0.03
Boron		01022	0.70	mg/L (ppm)	0.05



Lead Person/Supervisor

3-25-9

Date

Analysis Request Form

Name of Sampler: E. Erickson, J. Owen, R. DeShazo **RECEIVED**

Phone No:

(213) 576-6683

Sampler employed by: ☐ ODW

R.W.Q.C. Board No: ☒ 4 ☐ 7 ☐ 801 MAR 30 12:40

() _____

Sample source: Santa Clara River

Date collected: 2/21/01

Analysis Task No. _____

Sample Type: ☐ Drinking Water : ☐ Ground water ☒ Surface water
☐ Waste water : Chlorinated ☐ Yes ☐ No
☐ Solid sample : ☐ Soil ☐ Sludge ☐ Sediment
☐ Other _____

Use your own bottle ID number for each bottle.

For Lab Use Log Number	Bottle ID No.	Sampling Point	Time Collected	Type of Analysis Required (Be specific)
102 - 6767	10409	Freeman Diversion	8:58 am	Coliform (Total, Fecal, E. Coli)
102 - 6718	10409	Hillmore A Street	9:57 am	"
102 - 6769	10422	Blue Cut on Hwy 126	10:32 am	"
102 - 6770	10438	W. Pier 99	11:03 am	"

Warning or special instruction on samples:

Seals: ☐ Intact ☒ None ☐ Broken

Date

Time

Samples relinquished by

[Signature]

2-21-01

12:20

Samples relinquished by

[Signature]

2-21-01

12:20

Received for Lab by

Sanitation and Radiation Laboratory Branch
State of California-Department of Health Services
1449 West Temple Street, Suite 101
Los Angeles CA 90026-5698

Lab No. 102-6767-01 to 102-6770-01

Samples received: February 21, 2001

Collector: Erickson/Owen/DeShar

Water Quality Control Board
Los Angeles Region (4)
320 West 4th Street #200
Los Angeles CA 90013

Source: Santa Clara River
System No:

Billed to: Water Quality Control Board
Los Angeles Region (4)

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
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Lab no: 102-6767-01 Submitter's no: 10409: Surface water sampled on 02/21/01 (8:58 AM) - Freeman Diversion

Coli (Tot & Fec) Conf, to 20 tubes:	MPN				
Total coliform			500	MPN/100 mL	20
Fecal coliform			20	MPN/100 mL	20

E. Coli MPN 20/100 mL

Lab no: 102-6768-01 Submitter's no: 10408: Surface water sampled on 02/21/01 (9:57 AM) - Fillmore A Street

Coli (Tot & Fec) Conf, to 20 tubes:	MPN				
Total coliform			1700	MPN/100 mL	20
Fecal coliform			<RL	MPN/100 mL	20

E. Coli MPN < 20/100 mL

Lab no: 102-6769-01 Submitter's no: 10422: Surface water sampled on 02/21/01 (10:32 AM) - Blue Cut on Hwy 126

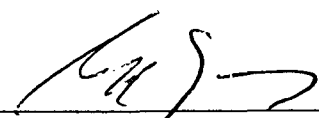
Coli (Tot & Fec) Conf, to 20 tubes:	MPN				
Total coliform			1100	MPN/100 mL	20
Fecal coliform			80	MPN/100 mL	20

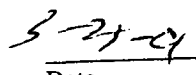
E. Coli MPN 40/100 mL

Lab no: 102-6770-01 Submitter's no: 10438: Surface water sampled on 02/21/01 (11:03 AM) - W. Pier 99

Coli (Tot & Fec) Conf, to 20 tubes:	EPA 120.1				
Total coliform			500	MPN/100 mL	20
Fecal coliform			110	MPN/100 mL	20

E. Coli MPN 20/100 mL


Lead Person/Supervisor


Date

Analysis Request Form

Name of Sampler: E. Erickson, J. Owen, R. DeGharo

Phone No:

(713) 576-6683

Sampler employed by: ☐ ODW

R.W.Q.C. Board No: ☒ 4 ☐ 7 ☐ 8

() _____

Sample source: Santa Clara River

Date collected: 2/21/01

Analysis Task No. _____

Sample Type: ☐ Drinking Water

☐ Ground water

☒ Surface water

☐ Waste water

☐ Chlorinated

☐ Yes

☐ No

☐ Solid sample

☐ Soil

☐ Sludge

☐ Sediment

☐ Other _____

Use your own bottle ID number for each bottle.

For Lab Use Log Number	Bottle ID No.	Sampling Point	Time Collected	Type of Analysis Required (Be specific)
102- 6755		Freeman Diversion	8:58 am	PO ₄ (Total) as P
102- 6756		Fillmore A Street	9:57 am	"
102- 6757		Blue cut on Hwy 126	10:32 am	"
102- 6758		W. Her 99	11:03 am	"

Warning or special instruction on samples:

Seals: ☐ Intact ☒ None ☐ Broken

Date

Time

Samples relinquished by

[Signature]

2-21-01

12:10

Samples relinquished by

Received for Lab by

[Signature]

2-21-01

12 PM

Sanitation and Radiation Laboratory Branch
State of California-Department of Health Services
1449 West Temple Street, Suite 101
Los Angeles CA 90026-5698

Lab No. 102-6755-01 to 102-6758-01

Samples received: February 21, 2001

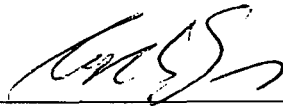
Collector: Erickson/Owen/DeShar

Water Quality Control Board
Los Angeles Region (4)
320 West 4th Street #200
Los Angeles CA 90013

Source: Santa Clara River
System No:

Billed to: Water Quality Control Board
Los Angeles Region (4)

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
Lab no: 102-6755-01 Phosphate-P, total	Submitter's no: : Surface water sampled on 02/21/01 EPA 365.2	(8:58 AM) - Freeman Diversion 00665	<RL	mg/L	0.010
Lab no: 102-6756-01 Phosphate-P, total	Submitter's no: : Surface water sampled on 02/21/01 EPA 365.2	(9:57 AM) - Fillmore A Street 00665	<RL	mg/L	0.010
Lab no: 102-6757-01 Phosphate-P, total	Submitter's no: : Surface water sampled on 02/21/01 EPA 365.2	(10:32 AM) - Blue Cut on Hwy 126 00665	0.23	mg/L	0.010
Lab no: 102-6758-01 Phosphate-P, total	Submitter's no: : Surface water sampled on 02/21/01 EPA 120.1	(11:03 AM) - W. Pier 99 00665	0.21	mg/L	0.010


Lead Person/Supervisor

5-11-01
Date

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: E. Erickson, J. Owen, R. Deshazo
Waterbody Name: Santa Clara River
Location: W. Pier 99
Date and time of Collection: 2/21/01 11:03 am

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 65 (F)
Most recent rain (if applicable) 30 hours ago
Stream Depth: (approx.) 4" Width: (approx.) 60'
Velocity 1.5' w ft/sec Flow: 11 gpc cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky

Color: (circle) clear pale yellow yellow amber
brown green other

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 18.7 C
pH 8.6

DO _____ mg/L
Conduct. _____ mS/cm

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral Coliform VOCs
TDS, Cl, SO4, B BOD TPH
NO3, NO2, NH3 MBAS Pesticides
P Metals Other

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other

Likely source(s) of water in stream:

- ☒ Rising GW
☒ Reclaimed water (municipal effluent)
☐ Urban runoff
☐ Agricultural runoff
☐ Natural runoff (i.e. snowmelt, rainfall)
☐ Releases from upstream dam
☐ Unknown

Other comments: _____

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LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: E. Erickson, J. Owen, R. DeShazo
Waterbody Name: Santa Clara River
Location: Freeman Diversion, Fish Ladder
Date and time of Collection: 2/21/01 8:58 am

Field Observations:

27
41
14 sec./25' m
Weather: (circle) clear sunny overcast raining
Approximate air temp. 65 (F)
Most recent rain (if applicable) 30 hours ago
Stream Depth: (approx.) 4' Width: (approx.) 300'
Velocity ft/sec Flow: cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky
Color: (circle) clear brown pale yellow yellow amber
green other
Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 9.6 C DO mg/L
pH Conduct. mS/cm

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral Coliform VOCs
TDS, Cl, SO4, B BOD TPH
NO3, NO2, NH3 MBAS Pesticides
P Metals Other

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other

Likely source(s) of water in stream:

- ☒ Rising GW
☒ Reclaimed water (municipal effluent)
☒ Urban runoff
☒ Agricultural runoff
☒ Natural runoff (i.e. snowmelt, rainfall)
☐ Releases from upstream dam
☐ Unknown

Other comments: Observed egrets, ducks (Cooks?), water flowing over
imperviousment, foam, no algae
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LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
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Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: E. Erickson, J. Owen, R. DeShazo
Waterbody Name: Santa Clara River
Location: Fillmore Street A
Date and time of Collection: 2/21/01 9:57 am

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 65 (F)
Most recent rain (if applicable) 30 hours ago
Stream Depth: (approx.) 8" Width: (approx.) 40'
Velocity 25' ft/sec Flow: 11 sec cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky

Color: (circle) clear pale yellow yellow amber
brown green other

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 15.5 C
pH

DO
Conduct. mg/L
mS/cm

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral Coliform VOCs
TDS, Cl, SO4, B BOD TPH
NO3, NO2, NH3 MBAS Pesticides
P Metals Other

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other

Likely source(s) of water in stream:

- ☒ Rising GW
☒ Reclaimed water (municipal effluent)
☒ Urban runoff
☒ Agricultural runoff
☒ Natural runoff (i.e. snowmelt, rainfall)
☐ Releases from upstream dam
☐ Unknown

Other comments: no algae, evidence of recent flooding,
DJS 12/15/92 Arundo Donax present

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: E. Erickson, J. Owen, R. DeShazo
Waterbody Name: Santa Clara River agri. diversion, 126
Location: Blue cut on Hwy 126 at Mile Marker Ventura 33.09
Date and time of Collection: 2/21/01 10:32 am

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 65 (F)
Most recent rain (if applicable) 30 hours ago
Stream Depth: (approx.) 1' Width: (approx.) 20'
Velocity 8 sec ft/sec Flow: 1' cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky

Color: (circle) clear pale yellow yellow amber
brown green other 1' x 20' x 28'
8

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 15.9 C DO mg/L
pH Conduct. mS/cm

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral Coliform VOCs
TDS, Cl, SO4, B BOD TPH
NO3, NO2, NH3 MBAS Pesticides
P Metals Other

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other

Likely source(s) of water in stream:

- ☒ Rising GW
☒ Reclaimed water (municipal effluent)
☐ Urban runoff
☒ Agricultural runoff
☐ Natural runoff (i.e. snowmelt, rainfall)
☐ Releases from upstream dam
☐ Unknown

Other comments: ~2.0 miles from LA County line

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Analysis Request Form

Name of Sampler: <u>Ericksen / Butcher</u>	Phone No: () _____
Sampler employed by: ☐ ODW	(213) <u>576 6683</u>
R.W.Q.C. Board No: ☒ 4 ☐ 7 ☐ 8	

Sample source: Santa Clara River

Date collected: 3/1/01 Analysis Task No. _____

Sample Type: ☐ Drinking Water : ☐ Ground water ☐ Surface water
 ☐ Waste water : Chlorinated ☐ Yes ☐ No
 ☐ Solid sample : ☐ Soil ☐ Sludge ☐ Sediment
 ☐ Other _____

Use your own bottle ID number for each bottle.

For Lab Use Log Number	Bottle ID No.	Sampling Point	Time Collected	Type of Analysis Required (Be specific)
103- 6788	SC 61 970618	West Pier	7:30	TDS, Cl, SO4, B, NO2 NO3 NO2
103- 6789	SC 61 970618	Boguet Canyon McBean Pkwy	8:12	"
103- 6790	SC 61 980618	Boguet Canyon	9:00	"
103- 6791	SC 61 970714	Rivers end	9:30	"
103- 6792	SC 61 000228	Box Hegger	10:15	"
103- 6793	SC 61 010201	Blue CA	12:25	"
103- 6794	SC 61 010 991021	Fillmore St A	12:50	"
103- 6795	SC 61 90201	Freeman FSN ladder	2:15	"

Warning or special instruction on samples:

Seals: ☐ Intact ☐ None ☐ Broken	Date	Time
Samples relinquished by		
Samples relinquished by		
Received for Lab by	<u>3-1-01</u>	<u>4:00 PM</u>

Sanitation and Radiation Laboratory Branch
State of California-Department of Health Services
1449 West Temple Street, Suite 101
Los Angeles CA 90026-5698

Lab No. 103-6788-01 to 103-6795-01

Samples received: March 1,2001

Collector: Erickson/Bottorff

Water Quality Control Board
Los Angeles Region (4)
320 West 4th Street #200
Los Angeles CA 90013

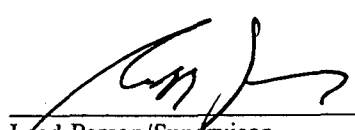
Source: Santa Clara River

Billed to: Water Quality Control Board
Los Angeles Region (4)

System No:

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
Lab no: 103-6788-01	Submitter's no: SCG1: Surface water sampled on 03/01/01 (7:30 AM) - West Pier				
Total dissolved solids	EPA 160.1	70300	742	mg/L	10
Chloride	EPA 160.1	00940	103	mg/L	1
Sulfate	EPA 160.1	00945	196	mg/L	1
Nitrate nitrogen	EPA 160.1	71850	2.33	mg/L	0.2
Nitrite nitrogen	EPA 160.1	00630	0.05	mg/L	0.03
Boron	EPA 160.1	01022	0.68	mg/L (ppm)	0.05
Lab no: 103-6789-01	Submitter's no: SCG1: Surface water sampled on 03/01/01 (8:12 AM) - Boquet Cyn/McBean Pk				
Total dissolved solids	EPA 160.1	70300	572	mg/L	10
Chloride	EPA 160.1	00940	58	mg/L	1
Sulfate	EPA 160.1	00945	146	mg/L	1
Nitrate nitrogen	EPA 160.1	71850	0.27	mg/L	0.2
Nitrite nitrogen	EPA 160.1	00630	0.09	mg/L	0.03
Boron	EPA 160.1	01022	0.42	mg/L (ppm)	0.05
Lab no: 103-6790-01	Submitter's no: SCG1: Surface water sampled on 03/01/01 (9:00 AM) - Bouquet Canyon				
Total dissolved solids	EPA 160.1	70300	1190	mg/L	10
Chloride	EPA 160.1	00940	169	mg/L	1
Sulfate	EPA 160.1	00945	404	mg/L	1
Nitrate nitrogen	EPA 160.1	71850	3.13	mg/L	0.2
Nitrite nitrogen	EPA 160.1	00630	0.06	mg/L	0.03
Boron	EPA 160.1	01022	0.76	mg/L (ppm)	0.05
Lab no: 103-6791-01	Submitter's no: SCG1: Surface water sampled on 03/01/01 (9:30 AM) - Rivers End				
Total dissolved solids	EPA 160.1	70300	497	mg/L	10
Chloride	EPA 160.1	00940	58	mg/L	1
Sulfate	EPA 160.1	00945	90	mg/L	1
Nitrate nitrogen	EPA 160.1	71850	0.44	mg/L	0.2
Nitrite nitrogen	EPA 160.1	00630	<RL	mg/L	0.03
Boron	EPA 160.1	01022	0.31	mg/L (ppm)	0.05

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
Lab no: 103-6792-01 Submitter's no: SCG1: Surface water sampled on 03/01/01 (10:15 AM) - Bootlegger					
Total dissolved solids	EPA 160.1	70300	374	mg/L	10
Chloride	EPA 160.1	00940	35	mg/L	1
Sulfate	EPA 160.1	00945	68	mg/L	1
Nitrate nitrogen	EPA 160.1	71850	0.86	mg/L	0.2
Nitrite nitrogen	EPA 160.1	00630	<RL	mg/L	0.03
Boron	EPA 160.1	01022	0.07	mg/L (ppm)	0.05
Lab no: 103-6793-01 Submitter's no: SCG1: Surface water sampled on 03/01/01 (12:25 PM) - Blue Cut					
Total dissolved solids	EPA 160.1	70300	1110	mg/L	10
Chloride	EPA 160.1	00940	107	mg/L	1
Sulfate	EPA 160.1	00945	456	mg/L	1
Nitrate nitrogen	EPA 160.1	71850	3.05	mg/L	0.2
Nitrite nitrogen	EPA 160.1	00630	0.23	mg/L	0.03
Boron	EPA 160.1	01022	0.66	mg/L (ppm)	0.05
Lab no: 103-6794-01 Submitter's no: SCG1: Surface water sampled on 03/01/01 (12:50 PM) - Fillmore St A					
Total dissolved solids	EPA 160.1	70300	986	mg/L	10
Chloride	EPA 160.1	00940	44	mg/L	1
Sulfate	EPA 160.1	00945	458	mg/L	1
Nitrate nitrogen	EPA 160.1	71850	2.4	mg/L	0.2
Nitrite nitrogen	EPA 160.1	00630	<RL	mg/L	0.03
Boron	EPA 160.1	01022	0.49	mg/L (ppm)	0.05
Lab no: 103-6795-01 Submitter's no: SCG1: Surface water sampled on 03/01/01 (2:15 PM) - Freeman Fishladder					
Total dissolved solids		70300	674	mg/L	10
Chloride		00940	27	mg/L	1
Sulfate		00945	326	mg/L	1
Nitrate nitrogen		71850	0.85	mg/L	0.2
Nitrite nitrogen		00630	<RL	mg/L	0.03
Boron		01022	0.34	mg/L (ppm)	0.05



Lead Person/Supervisor

 4-17-01
Date

SURFACE WATER SAMPLING FIELD SHEET

Field Observations:

Field Chemistry: (Hydrolab)

Were water quality samples taken during this site visit? Y N

Likely source(s) of water in stream:

Other comments: VPW/ hybridizer

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LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

1 foot
4 sec

Sampler: Ericson / Butcher
Waterbody Name: San Jacinto
Location: Valley View Ranch
Date and time of Collection: 1:45 3/1/92

Field Observations:

3 miles above Santa Paula
Breeze

Weather: (circle) clear sunny overcast raining
Approximate air temp. 65 (F)
Most recent rain (if applicable) 12 hrs
Stream Depth: (approx.) 3" Width: (approx.) 2'
Velocity ft/sec Flow: cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky

Color: (circle) clear pale yellow yellow amber
brown green other

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 21.8 C
pH 8.3

DO mg/L
Conduct. mS/cm

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral

DO, CH, SO4, H
NO3, NO2, NH3
P

Coliform

BOD

MBAS

Metals

VOCs

TPH

Pesticides

Other

Predominant Land Use in the area (circle all that apply):

residential commercial industrial agricultural
rural forested other

Likely source(s) of water in stream:

- Rising GW
 Reclaimed water (municipal effluent)
 Urban runoff
 X Agricultural runoff
 X Natural runoff (i.e. snowmelt, rainfall)
 Releases from upstream dam
 Unknown

Other comments:

agricultural drain coming into

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Friends of SC Valley View Ranch
Property

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Erickson / Butcher
Waterbody Name: Santa Clara
Location: Fillmore St. A
Date and time of Collection: 12:50 3/1/01

Field Observations:

45 feet
9 sec
Weather: (circle) clear sunny overcast raining
Approximate air temp. 65 (F)
Most recent rain (if applicable) 12 hrs
Stream Depth: (approx.) 1' Width: (approx.) 75'
Velocity ft/sec Flow: cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky
Color: (circle) clear pale yellow yellow amber
brown green other
Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 19.6 C DO mg/L
pH 8.3 Conduct. mS/cm

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral Coliform VOCs
TDS, Cl, SO4, B BOD TPH
NO3, NO2, NH3 MBAS Pesticides
P Metals Other

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other

Likely source(s) of water in stream:

- ☒ Rising GW
☐ Reclaimed water (municipal effluent)
☐ Urban runoff
☒ Agricultural runoff
☐ Natural runoff (i.e. snowmelt, rainfall)
☐ Releases from upstream dam
☐ Unknown

↑ W
Bridge
road
see summary for
ditch river rising over

Other comments: underman talk age - ag drain

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rising groundwater - over ditches in
width downstream of bridge.

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Ericksen / B. Hark
Waterbody Name: San Gabriel
Location: Bluebird C. Camulus Diversity
Date and time of Collection: 12:25 3/1/01

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 65 (F)
Most recent rain (if applicable) 12 hrs
Stream Depth: (approx.) 1.5 Width: (approx.) 55'
Velocity 1.5 ft/sec Flow: 251 cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky

Color: (circle) clear pale yellow yellow amber
brown green other

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 19.0 C
pH 8.0

DO _____ mg/L
Conduct. _____ mS/cm

$1' \times 55' \times 25' = 89$
15.5 sec cfs

Were water quality samples taken during this site visit? (Y) N

Circle: Gen. Mineral	Coliform	VOCs
<u>TDS, Cl, SO4, B</u>	BOD	TPH
<u>NO3, NO2, NH3</u>	MBAS	Pesticides
P	Metals	Other _____

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other _____

Likely source(s) of water in stream:

☒ Rising GW
☒ Reclaimed water (municipal effluent)
☒ Urban runoff
☒ Agricultural runoff
☐ Natural runoff (i.e. snowmelt, rainfall)
☐ Releases from upstream dam
☐ Unknown

Other comments: wider than last week 3

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M. Hark

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Ericksen / Butchart
Waterbody Name: Santa Clara
Location: Butchart CVN
Date and time of Collection: 10:15 3/1/01

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 60 (F)
Most recent rain (if applicable) 12 hrs
Stream Depth: (approx.) 4" Width: (approx.) 7'
Velocity ft/sec Flow: cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky

Color: (circle) clear pale yellow yellow amber
brown green other

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 11.4 C DO mg/L
pH 8.4 Conduct. mS/cm

Were water quality samples taken during this site visit? Y

Circle: Gen. Mineral Coliform VOCs
TDS, Cl, SO4, B BOD TPH
NO3, NO2, NH3 MBAS Pesticides
P Metals Other

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other

Likely source(s) of water in stream:

- ☒ Rising GW
☐ Reclaimed water (municipal effluent)
☒ Urban runoff
☒ Agricultural runoff
☒ Natural runoff (i.e. snowmelt, rainfall)
☐ Releases from upstream dam
☐ Unknown

Other comments: culvert blew out sampled last week has
been killed in 3 sampling below culvert &
Some water impounded no algae.

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LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Ericksen / Borthwick
Waterbody Name: Santa Clara River
Location: 1 mile above Lang @ Rivers End
Date and time of Collection: 9:30 3/1/01

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 65 (F)
Most recent rain (if applicable) 12 hrs
Stream Depth: (approx.) 8" Width: (approx.) 20'
Velocity 25' in ft/sec Flow: 28 seconds cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky

Color: (circle) clear pale yellow yellow amber
brown green other

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 11.8 C
pH 8.0

DO mg/L
Conduct. mS/cm

Were water quality samples taken during this site visit? (Y) N

Circle: Gen. Mineral	Coliform	VOCs
<u>TDS, Cl, SO4, B</u>	BOD	TPH
<u>NO3, NO2, NH3</u>	MBAS	Pesticides
<u>P</u>	Metals	Other <u> </u>

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other

Likely source(s) of water in stream:

☒ Rising GW
☐ Reclaimed water (municipal effluent)
☐ Urban runoff
☐ Agricultural runoff
☒ Natural runoff (i.e. snowmelt, rainfall)
☐ Releases from upstream dam
☐ Unknown

Other comments: no algae but macrophytes

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@ but 20% coverage.
Good willow shading

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Ericksen / Butcher
Waterbody Name: Santa Clara
Location: Boquet Canyon
Date and time of Collection: 9 AM 3/1/01

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 65 (F)
Most recent rain (if applicable) 12 hrs
Stream Depth: (approx.) 2.5 inch Width: (approx.) 8'
Velocity ft/sec Flow: cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky
Color: (circle) clear pale yellow yellow amber
 brown green other
Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 7° C DO mg/L
pH 8.5 Conduct. mS/cm

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral	Coliform	VOCs
<u>TDS, Cl, SO4, B</u>	BOD	TPH
<u>NO3, NO2, NH3</u>	MBAS	Pesticides
<u>P</u>	Metals	Other <u> </u>

Predominant Land Use in the area (circle all that apply):

residential commercial industrial agricultural
rural forested other

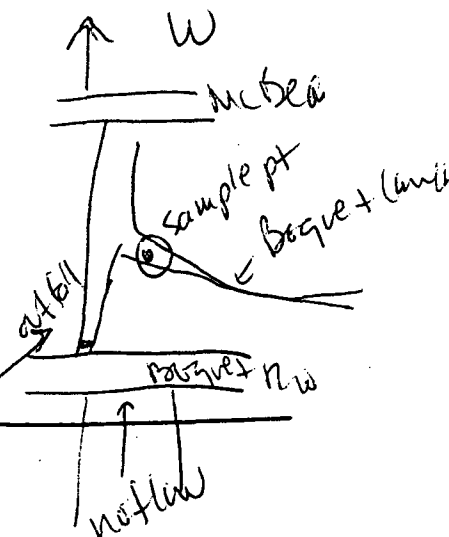
Likely source(s) of water in stream:

 Rising GW
 Reclaimed water (municipal effluent)
X Urban runoff
 Agricultural runoff
X Natural runoff (i.e. snowmelt, rainfall)
 Releases from upstream dam
 Unknown

Other comments: no flow in river until

DJS 12/15/92

Boquet 3 at fall -
measured Boquet



33.04
second
for
201

Effluent
stream
15 sec
25' wide
4" deep
6
19°C
7.5
PM
Subalga
corm
pebbles

LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: ERICKSON / BOTTORFF
Waterbody Name: SANTA CLARA RIVER
Location: BOUQUET CANYON / McBEAN PARKWAY
Date and time of Collection: 8:12 AM 3/1/01

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 60 (F)
Most recent rain (if applicable) 12 hrs
Stream Depth: (approx.) 3 in Width: (approx.) 20
Velocity ft/sec Flow: cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky

Color: (circle) clear pale yellow yellow amber
brown green other

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 11.5 C DO mg/L
pH 7.9 Conduct. mS/cm

Were water quality samples taken during this site visit? (Y) N

Circle: Gen. Mineral Coliform VOCs
TDS, Cl, SO4, B BOD TPH
NO3, NO2, NH3 MBAS Pesticides
P Metals Other

Predominant Land Use in the area (circle all that apply):
residential Commercial industrial agricultural
rural forested other

Likely source(s) of water in stream:

X Rising GW
X Reclaimed water (municipal effluent)
 Urban runoff
 Agricultural runoff
 Natural runoff (i.e. snowmelt, rainfall)
 Releases from upstream dam
 Unknown

Other comments: Water in stream continuously from outfall,
upstream of McBean bridge

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LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Eckson / Bottal
Waterbody Name: San Gabriel
Location: West Del 99
Date and time of Collection: 7:30 3/1/01

Field Observations:

16.3 sec
25' vent
Weather: (circle) clear sunny overcast raining
Approximate air temp. 60 (F)
Most recent rain (if applicable) 12 hrs
Stream Depth: (approx.) 4 in Width: (approx.) 28' 50'
Velocity ft/sec Flow: cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky

Color: (circle) clear pale yellow yellow amber
brown green other

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 11.7 C DO mg/L
pH 8.1 Conduct. mS/cm

Were water quality samples taken during this site visit? Y N

Circle: Gen. Mineral	Coliform	VOCs
<u>TDS, Cl, SO4, B</u>	BOD	TPH
<u>NO3, NO2, NH3</u>	MBAS	Pesticides
<u>P</u>	Metals	Other <u> </u>

Predominant Land Use in the area (circle all that apply):
residential commercial industrial agricultural
rural forested other

Likely source(s) of water in stream:

X Rising GW
X Reclaimed water (municipal effluent)
 Urban runoff
 Agricultural runoff
 Natural runoff (i.e. snowmelt, rainfall)
 Releases from upstream dam
 Unknown

Other comments: nd yae

DJS 12/15/92

Elyabeth

10/7/99

I found these Analysis Forms in with the
stack of papers from Heather Trim. I
thought that you may want them to
look at.

Tracy W.

California State Department of Health Services
Division Drinking Water and Environmental Management—SRL (South)

Analysis Request Form

Name of Sampler: <u>Ericksen / Buttermilk</u>	Phone No: <u>(213) 576 6683</u>
Sampler employed by: ☐ ODW	
R.W.Q.C. Board No: ☒ 4 ☐ 7 ☐ 8	() _____

Sample source: Santa Clara

Date collected: 3/1/01 Analysis Task No. _____

Sample Type: ☐ Drinking Water : ☐ Ground water ☒ Surface water
 ☐ Waste water : Chlorinated ☐ Yes ☐ No
 ☐ Solid sample : ☐ Soil ☐ Sludge ☐ Sediment
 ☐ Other _____

Use your own bottle ID number for each bottle.

For Lab Use Log Number	Bottle ID No.	Sampling Point	Time Collected	Type of Analysis Required (Be specific)
103- 6796	N 00906	West Pier 99	7:30	NH3 test test 1 N
103- 6797	N 001017	Boquet Cyn	8:00 9:00	"
103- 6798	N 000926	Boquet Cyn McBean	8:00 8:12	"
103- 6799	N 001017	Rivers End	9:30	"
103- 6800	N 001211	Bootlegger	10:15	"
103- 6801	N 001211	Blue Cat	12:25	"
103- 6802	N 00906	Fillmore St A.	12:50	"
103- 6803	N 001017	Freeman Fish Ladder	2:15	"

Warning or special instruction on samples:

Seals: ☐ Intact ☐ None ☐ Broken	Date	Time
Samples relinquished by <u>[Signature]</u>	3-1-01	4:05
Samples relinquished by		
Received for Lab by <u>[Signature]</u>	3-1-01	4:05

Sanitation and Radiation Laboratory Branch
State of California-Department of Health Services
1449 West Temple Street, Suite 101
Los Angeles CA 90026-5698

Lab No. 103-6796-01 to 103-6803-01

Samples received: March 1, 2001

Collector: Erickson/Bottorff

Water Quality Control Board
Los Angeles Region (4)
320 West 4th Street #200
Los Angeles CA 90013

Source: Santa Clara River
System No:

Billed to: Water Quality Control Board
Los Angeles Region (4)

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
Lab no: 103-6796-01	Submitter's no: N00906: Surface water sampled on 03/01/01 (7:30 AM) - West Pier 99				
Ammonia nitrogen	EPA 350.2	00610	0.17	mg/L	0.05
Total Nitrogen			2.86	mg/L	0.1
Nitrate nitrogen	EPA 353.2	71850	2.3	mg/L	0.2
Nitrite nitrogen	EPA 353.2	00630	<RL	mg/L	0.03
Lab no: 103-6797-01	Submitter's no: N001017: Surface water sampled on 03/01/01 (9:00 AM) - Boquet Cyn				
Ammonia nitrogen	EPA 350.2	00610	<RL	mg/L	0.05
Total Nitrogen			5.33	mg/L	0.1
Nitrate nitrogen	EPA 353.2	71850	3.2	mg/L	0.2
Nitrite nitrogen	EPA 353.2	00630	<RL	mg/L	0.03
Lab no: 103-6798-01	Submitter's no: N000926: Surface water sampled on 03/01/01 (8:12 AM) - Boquet Cyn/McBean				
Ammonia nitrogen	EPA 350.2	00610	.39	mg/L	0.05
Total Nitrogen			13.9	mg/L	0.1
Nitrate nitrogen	EPA 353.2	71850	12.3	mg/L	0.2
Nitrite nitrogen	EPA 353.2	00630	<RL	mg/L	0.03
Lab no: 103-6799-01	Submitter's no: N001017: Surface water sampled on 03/01/01 (9:30 AM) - Rivers End				
Ammonia nitrogen	EPA 350.2	00610	<RL	mg/L	0.05
Total Nitrogen			0.73	mg/L	0.1
Nitrate nitrogen	EPA 353.2	71850	0.4	mg/L	0.2
Nitrite nitrogen	EPA 353.2	00630	<RL	mg/L	0.03
Lab no: 103-6800-01	Submitter's no: N001211: Surface water sampled on 03/01/01 (10:15 AM) - Bootlegger				
Ammonia nitrogen	EPA 350.2	00610	<RL	mg/L	0.05
Total Nitrogen			1.30	mg/L	0.1
Nitrate nitrogen	EPA 353.2	71850	0.9	mg/L	0.2
Nitrite nitrogen	EPA 353.2	00630	<RL	mg/L	0.03

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
Lab no: 103-6801-01 Submitter's no: N001211: Surface water sampled on 03/01/01 (12:25 PM) - Blue Cut					
Ammonia nitrogen	EPA 350.2	00610	0.10	mg/L	0.05
Total Nitrogen			5.53	mg/L	0.1
Nitrate nitrogen	EPA 353.2	71850	2.7	mg/L	0.2
Nitrite nitrogen	EPA 353.2	00630	0.06	mg/L	0.03
Lab no: 103-6802-01 Submitter's no: N001211: Surface water sampled on 03/01/01 (12:50 PM) - Fillmore St A					
Ammonia nitrogen	EPA 350.2	00610	<RL	mg/L	0.05
Total Nitrogen			3.14	mg/L	0.1
Nitrate nitrogen	EPA 353.2	71850	2.4	mg/L	0.2
Nitrite nitrogen	EPA 353.2	00630	<RL	mg/L	0.03
Lab no: 103-6803-01 Submitter's no: N001017: Surface water sampled on 03/01/01 (2:15 PM) - Freeman Fishladder					
Ammonia nitrogen	EPA 350.2	00610	<RL	mg/L	0.05
Total Nitrogen			1.12	mg/L	0.1
Nitrate nitrogen	EPA 353.2	71850	0.9	mg/L	0.2
Nitrite nitrogen	EPA 353.2	00630	<RL	mg/L	0.03


Lead Person/Supervisor5-24-01
Date

California State Department of Health Services
Division of Drinking Water and Environmental Management—SRL (South)

Analysis Request Form

Name of Sampler:Elizabeth Erickson

Sampler employed by: ☐ ODW

R.W.Q.C. Board No: ☒ 4 ☐ 7 ☐ 8

Phone No:
(213) 576 6683

() _____

Sample source: Santa Clara River

Date collected: 10/1/01 Analysis Task No. _____

Sample Type: ☐ Drinking Water : ☐ Ground water ☒ Surface water

☐ Waste water : ☐ Chlorinated ☐ Yes ☐ No

☐ Solid sample : ☐ Soil ☐ Sludge ☐ Sediment

☐ Other _____

Use your own bottle ID number for each bottle.

For Lab Use Log Number	Bottle ID No.	Sampling Point	Time Collected	Type of Analysis Required (Be specific)
110-7981	G2 990326	Lower Todd Baranca	12:30	General Mineral
- 7982	G2 000118	Upper Todd Baranca	12	General Mineral
- 7983	X 990428	Upper Todd Baranca	12	ammonia nitrite
✓ - 7984	X 001017	Lower Todd Baranca	12:30	ammonia nitrite

Warning or special instruction on samples:

Seals: ☐ Intact ☐ None ☐ Broken

Samples relinquished by Alk Luman

Samples relinquished by

Received for Lab by R/L Luman

Date

(0/1/01)

10/1/01

Time

2

2:03 pm

RECEIVED

2001 NOV 27 A 9 47

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

(For Lab use only) Total cost for laboratory analyses:

Sanitation and Radiation Laboratory Branch
State of California-Department of Health Services
1449 West Temple Street, Suite 101
Los Angeles CA 90026-5698

Lab No. 110-7981-01 to 110-7984-01

Samples received: October 1,2001

Collector: Elizabeth Erickson

Water Quality Control Board
Los Angeles Region (4)
320 West 4th Street #200
Los Angeles CA 90013

Source: Santa Clara River
System No:

Billed to: Water Quality Control Board
Los Angeles Region (4)

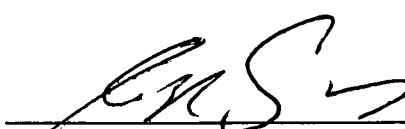
ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
Lab no: 110-7981-01 Submitter's no: G2990326: Surface water sampled on 10/01/01 (12:30) - Lower Todd Baranca					
pH	EPA 150.1	00403	8.1		0.1
Specific Conductance	EPA 120.1	00095	2600	µmho/cm	20
Total dissolved solids	EPA 160.1	70300	2350	mg/L	10
Alkalinity:	EPA 310.1				
Total Alkalinity (as equivalent CaCO3)		00410	354	mg/L	1
Bicarbonate (as HCO3)		00440	432	mg/L	1
Carbonate (as CO3)		00445	<RL	mg/L	1
Hydroxide (as OH)		71930	<RL	mg/L	1
Hardness	EPA 130.2	00900	1180	mg/L	1
Calcium	EPA 200.7	00916	302	mg/L	1
Magnesium	EPA 200.7	00927	121	mg/L	1
Sodium	EPA 200.7	00929	248	mg/L	5
Potassium	EPA 200.7	00937	7.5	mg/L	0.1
Iron	EPA 200.7	01045	<RL	mg/L	0.05
Manganese	EPA 200.7	01055	<RL	mg/L	0.03
Chloride	EPA 325.3	00940	103	mg/L	1
Fluoride	EPA 300.0	00951	0.76	mg/L	0.1
Sulfate	EPA 300.0	00945	1100	mg/L	1
Nitrate nitrogen	EPA 300.0	71850	23.2	mg/L	0.2

Lab no: 110-7982-01 Submitter's no: G2000118: Surface water sampled on 10/01/01 (12) - Upper Todd Baranca					
pH	EPA 150.1	00403	8.3		0.1
Specific Conductance	EPA 120.1	00095	1300	µmho/cm	20
Total dissolved solids	EPA 160.1	70300	1020	mg/L	10
Alkalinity:	EPA 310.1				
Total Alkalinity (as equivalent CaCO3)		00410	253	mg/L	1
Bicarbonate (as HCO3)		00440	309	mg/L	1
Carbonate (as CO3)		00445	<RL	mg/L	1
Hydroxide (as OH)		71930	<RL	mg/L	1
Hardness	EPA 130.2	00900	547	mg/L	1
Calcium	EPA 200.7	00916	166	mg/L	1
Magnesium	EPA 200.7	00927	44	mg/L	1
Sodium	EPA 200.7	00929	109	mg/L	5
Potassium	EPA 200.7	00937	3.9	mg/L	0.1
Iron	EPA 200.7	01045	<RL	mg/L	0.1
Manganese	EPA 200.7	01055	51	µg/L	30
Chloride	EPA 325.3	00940	63	mg/L	1
Fluoride	EPA 300.0	00951	0.50	mg/L	0.1

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
Lab. no: 110-7982-01 continued.					
Sulfate	EPA 300.0	00945	474	mg/L	1
Nitrate nitrogen	EPA 300.0	71850	0.62	mg/L	0.2

Lab no: 110-7983-01	Submitter's no: N990428: Surface water sampled on 10/01/01	(12) - Upper Todd Baranca			
Ammonia nitrogen	EPA 350.2	00610	<RL	mg/L	0.05
Nitrite nitrogen	EPA 300.0	00630	<RL	mg/L	0.03

Lab no: 110-7984-01	Submitter's no: N001017: Surface water sampled on 10/01/01	(12:30) - Lower Todd Baranca			
Ammonia nitrogen	EPA 350.2	00610	<RL	mg/L	0.05
Nitrite nitrogen	EPA 300.0	00630	0.07	mg/L	0.03


Lead Person/Supervisor11/26/01
Date

Castaic Lake Water Agency Laboratory Report Sample Name: UCLA School of Public Health Dr. Rich Ambrose Dept of Environmental Health Sciences Sample Description: Waters Methods: USEPA 200.7 All Results on this page are in mcg / L (ppb)																			
Site Name		Al	As	B	Ba	Be	Cd	Co	Cr	Cu	Fe	La	Mn	Mo	Ni	Pb	Sb	Se	Sr
Blue Cut (10-24-01)	SC1A	91	<2	635	40	<1	<1	1	<1	2	79	0	53	6	4	<50	<50	<50	797
Above POTW (99 Bridge)	SC2A	<1	<2	956	50	<1	<1	3	<1	2	2	<1	36	8	9	<50	<50	<50	772
Below POTW (Magic MTN)	SC3A	125	<2	620	22	<1	<1	1	<1	2	37	<1	17	5	4	<50	<50	<50	539
Blue Cut (10-22-01)	SC4	54	<2	708	35	<1	<1	1	<1	3	50	<1	50	6	5	<50	<50	<50	759
Camulos Ranch	SC5	57	<2	701	38	<1	<1	1	<1	3	67	<1	12	6	5	<50	<50	<50	856
Seco Canyon SFR	SC6	27	<2	420	44	<1	<1	1	8	8	36	<1	5	7	3	<50	<50	<50	555
Bouquet Commercial	SC7	37	<2	448	45	<1	<1	1	<1	11	53	<1	10	2	3	<50	<50	<50	557
Bouquet Below Rural Res.	SC8	11	2	480	29	<1	<1	<1	<1	1	51	<1	13	13	<1	<50	<50	<50	228
Bouquet Above Rural Res. (below dam)	SC9	78	7	469	16	<1	<1	<1	<1	9	291	<1	420	18	2	<50	<50	<50	154
Haskell Canyon	SC10	31	3	916	38	<1	<1	1	1	16	44	1	5	4	2	<50	<50	<50	492
Arroyo Santa Rosa @ Moorpark	UCLA 1 11/7/01	34	<2	439	39	<1	<1	1	1	12	129	<1	11	21	3	<50	<50	<50	370
Arroyo Santa Rosa @ E. Las Posas	UCLA 2	15	<2	166	23	<1	<1	<1	1	3	34	<1	6	11	1	<50	<50	<50	313
Conejo Creek @ Leisure Village	UCLA 3	28	<2	388	17	<1	<1	1	1	3	74	<1	15	21	4	<50	<50	<50	385
Bottom Conejo Creek	UCLA 4	167	<2	413	23	<1	1	1	1	3	275	<1	35	22	4	<50	<50	<50	407
Todd Barranca @ Wheeler Canyon	UCLA 5	1	<2	1000	44	<1	<1	<1	1	7	122	<1	49	65	4	<50	<50	<50	1418
Upper Todd Barranca	UCLA 6	1	<2	592	25	<1	<1	<1	1	2	20	<1	56	12	<1	<50	<50	<50	1158
Lower Todd Barranca	UCLA 7	18	<2	1038	37	<1	<1	<1	1	4	35	<1	24	51	3	<50	<50	<50	1842
FC @ Peck Rd (Indust.)	UCLA 8	12	<2	625	25	<1	<1	<1	<1	23	139	<1	5	13	3	<50	<50	<50	1103
Main Channel Santa Clara	UCLA 9	163	<2	547	40	<1	<1	<1	1	1	270	<1	13	15	1	<50	<50	<50	1071
Soledad Canyon	UCLA 10	<1	<2	302	91	<1	<1	<1	<1	11	71	<1	10	2	1	<50	<50	<50	981

NOTE: values for nitrate, nitrite and phosphate in Compiled Data files are estimated at 0.5 ppm if reported as <1 and at 0.05 ppm if reported as <0.1

02-7-04

Site Name	as N																	NH3	Turbidity	TDS
	Zn	Ca	Mg	TH	Na	K	Br	Cl	F	SO4	NO2	NO2-N	NO3	NO3-N	PO4	NO2+NO3	NO2+NO3			
Blue Cut (10-24-01)	8	110	39	443	146	11	0.3	144	0.4	343	9.8	3.0	30.8	7.0	<1	43.58	9.94	3	3.19	1004
Above POTW (99 Bridge)	2	117	38	455	117	4	0.2	132	0.5	228	<1	0.1522	7.3	1.6	0.7	7.80	1.80	<1	0.23	821
Below POTW (Magic MTN)	12	87	29	341	165	20	0.2	197	0.3	243	16.3	5.0	18.3	4.1	<1	39.56	9.10	21	0.51	863
Blue Cut (10-22-01)	10	112	40	453	158	12	0.3	144	0.4	335	5.0	1.5	24.3	5.5	<1	30.77	7.00	3	1.00	988
Camulos Ranch	7	125	48	517	161	11	0.4	153	0.5	444	<1	0.1522	37.6	8.5	<1	38.10	8.65	<1	2.33	1138
Seco Canyon SFR	7	76	23	289	92	13	0.4	124	0.4	183	<1	0.1522	<1	0.1522	0.5	1.00	0.30	<1	1.90	600
Bouquet Commercial	12	73	27	300	95	10	0.1	127	0.4	173	<1	0.1522	<1	0.1522	0.5	1.00	0.30	<1	1.97	576
Bouquet Below Rural Res.	2	44	15	173	42	3	<0.1	26	0.7	26	<1	0.1522	<1	0.1522	<1	1.00	0.30	<1	0.44	273
Bouquet Above Rural Res. (below dam)	3	31	8	110	37	5	<0.1	20	0.7	22	<1	0.1522	0.4	0.1	<1	0.90	0.24	<1	5.30	207
Haskell Canyon	4	55	5	161	110	13	<0.1	162	0.7	157	<1	0.1522	<1	0.1522	<1	1.00	0.30	<1	2.20	544
Arroyo Santa Rosa @ Moorpark	15	85	46	408	138	7.4	0.4	162	0.4	187	<1	0.1522	1.0	0.2	4.9	1.50	0.38		1.82	779
Arroyo Santa Rosa @ E. Las Posas	<1	69	46	365	65	2.7	0.3	97	0.4	104	<1	0.1522	5.5	1.2	0.4	6.00	1.39		1.34	572
Conejo Creek @ Leisure Village	19	70	47	373	133	9.4	0.7	164	0.3	185	1.1	0.3	37	8.4	5.8	38.43	8.69		1.52	761
Bottom Conejo Creek	17	75	51	401	141	10.0	0.7	159	0.3	193	0.8	0.2	37	8.4	4.6	38.04	8.60		7.86	746
Todd Barranca @ Wheeler Canyon	<1	196	122	1008	362	7.5	2.4	176	1.0	1053	<1	0.1522	2.4	0.5	<0.1	2.90	0.69		0.85	2270
Upper Todd Barranca	<1	164	46	608	110	4.0	0.4	44	0.5	461	<1	0.1522	3.2	0.7	<0.1	3.70	0.88		0.25	1090
Lower Todd Barranca	<1	315	116	1285	235	5.3	1.0	92	0.8	955	0.7	0.2	63	14.2	0.1	63.91	14.44		2.04	1855
FC @ Peck Rd (Indust.)	18	143	44	545	141	7.1	0.3	72	0.6	511	<1	0.1522	<1	0.1522	0.3	1.00	0.30		2.69	1019
Main Channel Santa Clara	1	119	45	492	83	4.5	0.3	53	0.6	354	<1	0.1522	4.8	1.1	<0.1	5.30	1.24		9.20	797
Soledad Canyon	4	105	28	383	68	3.2	0.2	45	0.4	71	<1	0.1522	<1	0.1522	0.2	1.00	0.30		0.16	497

NOTE: values for nitrate, nitrite and phosphate in Compiled Data files are estimated at 0.5 ppm if reported as <1 and at 0.05 ppm if reported as <0.1