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: ~~Lang Sause~~ long gravel trailer park at Stickelback pools
Date and time of Collection: 8/5/99

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 pools (5.5') in 2000
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. .9 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 (seems more water than upstream
- ___ Reclaimed water (municipal effluent)
- X Urban runoff
- X Agricultural runoff
- X 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: ~~Soledad Campground~~ Fin Campgll
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
Spaces e 5.5' 15sec
10' in 5sec
Color: (circle) (clear) pale yellow yellow amber brown green other ______

Clarity: (circle) (clear) turbid

Field Chemistry: (Hydrolab)

Temp. 15 C DO ______ mg/L Turb 0
pH 7.8 Conduct. .9 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 a~~ll 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: some algae, disturbance (people - trailers downstream.
water cress

DJS 12/15/92

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. Myraim leave car at Fillmore. Elizabeth bringing the Horiba, bottles and equipment.

7:30 AM meet at IHOP restraunt 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 per colahan lbs) electronic gate 1950
on entry road, next to diversion canal, locked gate, maintenance
turn left — turn right between covered awning. ? POND PAST. BLDING PAST

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

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Elizabeth Erickson
Waterbody Name: S
Location: Fillmore 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)
- _X_ Urban runoff
- _X_ Agricultural runoff
- _X_ Natural runoff (i.e. snowmelt, rainfall)
- _X_ 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: Elizabeth Erickson
Waterbody Name: Santa Clara River
Location: Piru 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) 6 days
Stream Depth: (approx.) 2' Width: (approx.) 20'
Velocity ____ ft/sec Flow: ____ cfs (est. or calculated?)
Bottom Substrate: (circle) concrete (mud) sand cobble rocky
6 x 5.5' in 1 minute
Color: (circle) clear pale yellow yellow (amber)
brown green other ____

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 13.3 C DO ____ mg/L Turb. 10
pH 7.2 Conduct. 9 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)
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 and adjacent horse farm

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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) 5 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 15sec

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

Clarity: (circle) (clear) turbid

Field Chemistry: (Hydrolab)

Temp. 17.5 C DO _____ mg/L Turb = 0
pH 7.5 Conduct. 2 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)
X Urban runoff
X Agricultural runoff
X Natural runoff (i.e. snowmelt, rainfall)
___ Releases from upstream dam
___ Unknown

Other comments: Stinky Storm drain upstream

DJS 12/15/92 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: Bouquet Creek
Date and time of Collection: _____

Field Observations:

Weather: (circle) clear (sunny) overcast raining
Approximate air temp. 65 (F)
Most recent rain (if applicable) 6 days
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 pores @ 5.5
Color: (circle) (clear) pale yellow yellow amber
brown green other _____

Clarity: (circle) (clear) turbid same suds.

Field Chemistry: (Hydrolab)

Temp. 21.3 C DO _____ mg/L TURBIDITY 000
pH 7.3 Conduct. 4001 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: 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: SC 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 spaces @ 5.5' in 15 sec
Color: (circle) (clear) pale yellow yellow amber
faster in center brown green other ____

Clarity: (circle) (clear) turbid

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) ~~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: ag mat as runoff drain w/ salt dep. just downstream.

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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: 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.) ~~[illegible]~~ 20 steps, x 2.5'
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 paces @ 5.5' and 30 sec ≈ 2.5 ft/sec.
Clarity: (circle) (clear) turbid

Field Chemistry: (Hydrolab)

Temp. 18.0 C DO ______ mg/L Turb = 0
pH 7.9 Conduct. .9 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)
- X Urban runoff
- X Agricultural runoff
- X Natural runoff (i.e. snowmelt, rainfall)
- ____ Releases from upstream dam
- ____ Unknown

Other comments: Much algae/mat growth.
horse pasture & manure on streambank.

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160 ~~feet~~ / 60 sec

15 × 5.5 = 75 / 75 / 82.5

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

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Elizabeth Erickson
Waterbody Name: SC river
Location: Sespe at 126 SC Sespe 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) 5days
Stream Depth: (approx.) 1' Width: (approx.) 110'
Velocity ____ft/sec Flow: ____cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky
25 sec, Moved 6 paces x 5.5 ft.
Color: (circle) clear pale yellow yellow amber
brown green other ____

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 12 C DO ____ mg/L Turb. 1.5
pH 7.5 Conduct. .7 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

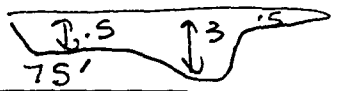
LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD
Planning Unit
Los Angeles Region

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Elizabeth Erickson
Waterbody Name: 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 ____ ft/sec Flow: ____ cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky
25 seconds @ 10 paces x 5.5 ft.
Color: (circle) (clear) pale yellow yellow amber
brown green other ____



Clarity: (circle) clear turbid
Turb 0 — (actually looks a little cloudy)

Field Chemistry: (Hydrolab)

Temp. 11.8 C DO ____ mg/L
pH 7.7 Conduct. .8 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
X Agricultural runoff
X Natural runoff (i.e. snowmelt, rainfall)
___ Releases from upstream dam
___ Unknown

Other comments: fish, ag pump sump, waterfall, suds. algael mat, and sed load just upstream from diversion

DJS 12/15/92

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

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Elizabeth Ericksen
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 12½-13 ft Width: (approx.) 400' depth est grade. Juan
Velocity ____ ft/sec Flow: ____ cfs (est. or calculated?)
Bottom Substrate: (circle) concrete (mud) sand cobble rocky
Reaches @ 5.5' at 1 min 20 sec
Color: (circle) clear ~~pale yellow~~ yellow amber brown (green) other ____
Clarity: (circle) clear (turbid) turbidity 1-
operator report 130 cfs/sec

Field Chemistry: (Hydrolab)

Temp. 13°C C DO ____ mg/L
pH 7.5 Conduct. 0.2 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)
X Urban runoff
X Agricultural runoff
X Natural runoff (i.e. snowmelt, rainfall)
X Releases from upstream dam
____ Unknown

Other comments: foam, suds, floating debris eg oils
kingfisher

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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: SC at 101 Santa Clara River
Location:
Date and time of Collection: 5/9/99

Field Observations:

Weather: (circle) clear sunny ~~overcast~~ raining
Approximate air temp. 60 (F)
Most recent rain (if applicable) 5 days
Stream Depth: (approx.) 1ft Width: (approx.) 53 x ~~45~~ 2-5'
Velocity ____ ft/sec Flow: ____ cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky
20 paces @ 5.5' in 35 seconds
Color: (circle) clear pale yellow yellow amber
brown green other ____

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 17 C DO ____ mg/L
pH 7.5 Conduct. .1 mS/cm

Tube 3-4 looks like O

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 / 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)
____ Urban runoff
____ Agricultural runoff
____ Natural runoff (i.e. snowmelt, rainfall)
____ Releases from upstream dam
____ Unknown

Other comments: birdlife, willows.

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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: Scrver
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)
Most recent rain (if applicable) 5days ago
Stream Depth: (approx.) 6in-12ft Width: (approx.) 21paces x 5.5' 54 x 2.5'
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 ____

15sec travels 20',
Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

turb4 - water clear mid-stream.

Temp. 18.7 C
pH 7.5
DO - mg/L
Conduct. .5 mS/cm brown foam/black dirt on sides of stream

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 ____

Some trash along banks (condoms, cans)

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: ____

DJS 12/15/92

Santa Clara River
4-2

Sampling Results - June 30, 2002

(32)

Location		date-time	NH4-N uM	NH4-N mg/l	NO3-N uM	NO3-N mg/l	PO4-P uM
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

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 Daugovish (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 assumprtions for surface runoff, septic discharge, atmospheric depostion, 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
Tetratech National Export Coeff: ag: 10-16, open space 3-6, urban 4-10
LA River (EFDC WASP Tetratech): 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 Tetratech) ag 18.2-74.7, open space 1.4-21.26, urban 3.9-9.7

90% - 80% at assimilation

urban -

Atmospheric Deposition lbs tot N per day

Santa Clara (Systech): .008-.015
Malibu (Tetratech): .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 (Tetratech) 416 lit/day-cap 30-60 mg/L ammonia

(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 Tetratech) 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 Copunty 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 dat 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 specifiy 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 signficant 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 Groundwtaer gains aand 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) septics. 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 spetic loading you calculate later. Fruther, as this is a prime are aof non point source control, we need a more accurate estimate of the number of septics. 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 signficant 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, Burres, Citizen Monitoring Group
Waterbody Name: Santa Clara River
Location: Fish Hatchery Pond 3 outlet
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 * DO 6.5 mg/L by titration
pH 7.47, 7.47, 7.5 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	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
- ___ 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

2, 1 of 3 equal fish runs

3 meters traveled in 1 min 23 sec & 38 sec

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

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

T. A Faulkner
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

T. A. Rauliraitis
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

T A Faulkner 7-15-02

Lead Person/Supervisor 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

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

Analysis Request Form

Name of Sampler: Erickson

Phone No: 213 (Fax) 5766486
(213) 5766683

pls fax copy

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

Sample source: Santa Clara River

Date 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)
208818	#1 EHE	Old Trestle	10:15	General Minerals Boron (G1 Bottles) Nitrate, Nitrite
8813	#3 EHE	"	10:15	Ammonia + TKN (N Bottles)
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 Baumgart	Jun 30	1645

Department of Health Services

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

Analysis Request Form

Name of Sampler: Erickson

Phone No: fax (213) 576 0686 (213) 576 0683

Sampler employed by: ☐ ODW

R.W.Q.C. Board No: ☒ 4 ☐ 7 ☐ 8 Pls fax copy

Sample source: Santa Clara River

Date 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 9821	#10 EHE	Fillmore A 500' above bridge	1:30	General Minerals Boron (G1 Bottles) Nitrate Nitrite
				Ammonia (CN Bottles)
206 9822	#11 EHE	Tail	2:30	General Minerals + Boron + nitrite
206 9823	#12 EHE	Tail	2:30	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	Donald Ballinger	JUN 30	7:15

...Department of Health Services

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

Analysis Request Form

Name of Sampler: Erickson

Phone No: Fax (213) 576 6684 (213) 576 6683

Sampler employed by: ☐ ODW

R.W.Q.C. Board No: ☒ 4 ☐ 7 ☐ 8

Pls fax copy

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	MBS#1	TNC Hallock Drive	12:05pm	General Minerals, Boron (G1 Bottles) Nitrate, Nitrite
8825	MBS#2	TNC Hallock Drive	12:05pm	Ammonia + TKN (N Bottles)
8826	MBS#4	HTCNA point m	1:50pm	Gen minerals + Boron + nitrite
8827	MBS#3	HTCNA 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	[redacted]		
Received for Lab by	Donald Ballenger	June 30	1645

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

WGS 84. Data

SURFACE WATER SAMPLING FIELD SHEET

L -

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

N-34.31266°
W 119.11627°
+-24'

Field Observations:

Weather: (circle) (clear) sunny overcast raining
Approximate air temp. _____ (F)
Most recent rain (if applicable) _____
Stream Depth: (approx.) 34 D Width: (approx.) 60'
Velocity 3.1 ft/sec Flow: 3[illegible] cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky
d - 11", 7", 1'
20.6 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 (active)

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

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

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

SURFACE WATER SAMPLING FIELD SHEET

Sampler: STOKES & VANDUZE
Waterbody Name: SANTA CLARA
Location: FILLMORE ST BR
Date and time of Collection: 6/30/02

Field Observations:

Weather: (circle) (clear) sunny overcast raining
Approximate air temp. ~90° (F)
Most recent rain (if applicable) April
Stream Depth: (approx.) 8" dy Width: (approx.) 15'
Velocity 22 ft/sec Flow: 22.0 cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud (sand) cobble rocky
10/second
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)
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: tadpole, fish ~50 - 100, size variable

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

horses 1 # crop _____ % landuse impervious surfaces
cows _____ # orchard _____ % landuse
birds _____ # dogs/cats/homeless _____ # tile drains/a

FILLMORE SUPERINTENDENT, NURSE

TODD RD

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

SURFACE WATER SAMPLING FIELD SHEET

Sampler: SYDNEY STOKES
Waterbody Name: SANTA CLARA RIVER
Location: ~~1/4~~ RIVERS END
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) Annie
Stream Depth: (approx.) _____ Width: (approx.) _____
Velocity ____ ft/sec Flow: _____ cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky
Algae 30% attach S-80 no duckweed or cattle
Color: (circle) clear algae pale yellow yellow amber
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 dumps, septic tank, car parts

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: ANTS
~~Lots of bushes, veg, with flowers, poplar trees~~

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

horses ____ # crop ____ % landuse impervious surfaces ____ % landuse
cows ____ # orchard ____ % landuse
birds ____ # dogs/cats/homeless ____ # tile drains/drains ____ ±
dog, Camino Chino container

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

SURFACE WATER SAMPLING FIELD SHEET

Sampler: SYDNEY 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
Approximate air temp. 80° (F)
Most recent rain (if applicable) APRIL
Stream Depth: (approx.) 7", 5", 3" Width: (approx.) 13.5'
Velocity 6.48 ft/sec Flow: ____ cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud (sand) cobble rocky gravel

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

Clarity: (circle) clear turbid

10' tape

Algae 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:

45% Algae
6/92
12% duckweed

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

Other comments: STORM DRAIN SHEET, FOOT TRAFFIC, WASTE WATER
RED ANTS, RABBIT

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

horses ____ # crop ____ % landuse impervious surfaces ____ % landuse
cows ____ # orchard ____ % landuse
birds ____ # dogs/cats/homeless ____ # tile drains/drains ____ #

Gretchen 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: Fairgrounds 1st below
Date and time of Collection: June 30, 2007 10:05

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 80 (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 a little yellow pale yellow yellow amber brown green other _____

Clarity: (circle) clear turbid

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 _____

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: a rabbit, five trucks instream, diazenthy

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

horses ___ # crop ___ % landuse impervious surfaces ___ % landuse
cows ___ # orchard ___ % landuse
birds ___ # dogs/cats/homeless ___ # tile drains/drains ___ #

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

SURFACE WATER SAMPLING FIELD SHEET Ms. Connie Kline — care taker owned by Polish Church of LA Angeles

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) 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

2' some narrow much — fastest speed 3' in 5 seconds

Field Chemistry: (Hydrolab)

much delayed by weeds

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 ______

dump w/ paint cans, car parts, concrete

Likely source(s) of water in stream:

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

ATTACHED ALGAE 5-80%
DUCKWEED 0
~~Float~~ Floating algae 30%

Other comments: choked with willow etc

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

horses ___ # crop ______ % land use impervious surfaces ______ % land use
cows ______ # orchard ______ % landuse
birds ______ # dogs/cats/homeless 1 # tile drains/drains ___ #
trailer park w/ septics.

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

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Enciso
Waterbody Name: Fillmore St. A
Location: Santa Clara
Date and time of Collection: June 30 2003 1:45

Field Observations:

2
5.5
x 4
22.0 in 10 seconds

8"

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 _____

100# arroyo chubs or fat minnow fish

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

Likely source(s) of water in stream:

30% attached algae
10% floating algae
no duckweed.

swallows green blue

- ___ 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 ____ % landuse impervious surfaces ____ % landuse
cows ____ # orchard ____ % landuse
birds 4 # dogs/cats/homeless ____ # tile drains/drains ____
1 egret 2 mallards

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

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Ericksm
Waterbody Name: Santa Clara River
Location: Todd Barranca 3 rail line
Date and time of Collection: June 30 2992 2230

Field Observations:

Weather: (circle) (clear) sunny overcast raining
Approximate air temp. 90 (F)
Most recent rain (if applicable) June
Stream Depth: (approx.) 6" Width: (approx.) 3'
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 Non Point Source Activities Observed Upstream
horses ____ # crop ____ % landuse impervious surfaces ____ % landuse
cows ____ # orchard ____ % landuse
birds ____ # dogs/cats/homeless ____ # tile drains/drains ____ #

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

W 118.99458
N 34.36786

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Ron Bottorff Tim Robinson Richards Sweet +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 engft

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

Depth 3" 5" 7"

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 DO _____ mg/L
pH 7.72 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:

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

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

Other comments: Banks lined w. Th riparian vegetation

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

horses ___ # crop ___ % landuse impervious surfaces ___ % landuse
cows ___ # orchard ___ % landuse
birds ___ # dogs/cats/homeless ___ # tile drains/drains ___ #

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

WGS 84
N34.35421°
W 119.03928°

SURFACE WATER SAMPLING FIELD SHEET

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)

Width 20ft

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

9.36 sec
8.59 "
17.56

Clarity: (circle) (clear) turbid

Field Chemistry: (Hydrolab)

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

11"
9½"
8½"

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 / river camp/sleeping area

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

horses ___ # crop ___ % landuse impervious surfaces ___ % landuse
cows ___ # orchard ___ % landuse
birds ___ # dogs/cats/homeless ___ # tile drains/drains ___ #

4-13

Pat Brown
Northpark Court Home Owners
714 720 9881

Kerry Breyer
805 - 2554984
Cider St Santa Clarita
Hotel Conf Center

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

Analysis Request Form

Name of Sampler: ELIZEBETH 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)
905 3679	10049	Santa Clara River @ Lang	11:00	Coliform
905 3680	10009	Santa Clara River @ Fire Station 2	10:30	"
905 3681	10050	Santa Clara River @ Bouquet	10:00	"
905 3682	10008	Santa Clara River @ W99	9:30	"
905 3683	10051	Santa Clara River @ Piru @ Center Dr.	9:00	"
905 3684	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 Bernardo	5/4/99	1:45 PM

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

STATE OF CALIFORNIA—DEPARTMENT OF HEALTH SERVICES
SANITATION AND RADIATION LABORATORY SECTION
SOUTHERN CALIFORNIA LABORATORY SECTION
SAMPLE FOR MICROBIOLOGICAL EXAMINATION

DATE | TIME | LAB NO.

LABORATORY USE ONLY

PURVEYOR AND ADDRESS | COUNTY | DATE AND HOUR COLLECTED

SAMPLING 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
☐ SPC ☐ OTHER

SEND REPORT TO:
☐ SEB DIST ☐ COUNTY HD
☐ RWQCB # ☐ OTHER
☐ NAT'L PARK
PHONE NO. ( )

(TO BE FILLED IN BY LABORATORY ONLY)

TUBE NUMBER OR PORTIONS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PORTIONS IN ML. (LOGS)	1	1	1	1	1															
PRESUMPTIVE TEST HRS 24																				
PRESUMPTIVE TEST 48																				
CONFIRMED TEST 24																				
E. C. 24																				

RESULTS
COLIFORM/100ml ☐ MPN ☐ MF
FECAL COLIFORM/100ml ☐ MPN ☐ MF
SPC/ml at 35C
Cl₂ RES. mg/liter
ANALYST

LABORATORY REMARKS
☐ LEAKED IN TRANSIT
☐ INSUFFICIENT SAMPLE

(REV. 9/81) FORM LAB 801
8417-449 12-81 50M TRP CAM ⓘ W OSP

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	MPN		/100 ml	500	
	Fecal Coliform	MPN		/100 ml	500	
905-3680	Total Coliform	MPN		/100 ml	60	
	Fecal Coliform	MPN		/100 ml	20	
905-3681	Total Coliform	MPN		/100 ml	9000	
	Fecal Coliform	MPN		/100 ml	40	
905-3682	Total Coliform	MPN		/100 ml	700	
	Fecal Coliform	MPN		/100 ml	<20	
905-3683	Total Coliform	MPN		/100 ml	500	
	Fecal Coliform	MPN		/100 ml	230	
905-3684	Total Coliform	MPN		/100 ml	600	
	Fecal Coliform	MPN		/100 ml	300	

N.D. = None detected. <R.L. = <Reporting Limit
mg/L = Milligram/Litre (ppm) mcg/L = Microgram/Litre (ppb)
mg/Kg = Milligram/Kilogram (ppm) mcg/Kg = Microgram/Kilogram (ppb)

4-12

Analysis Request Form

Name of Sampler: Elizabeth ~~SARKIS~~ ERICSSON

Phone No: (213) 576-6683

( ) ___

RECEIVED

2001 MAR 30 P 12:40

Sampler employed by: ☐ ODW

R.W.Q.C. Board No: ☒ 4 ☐ 7 ☐ 8

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	Boot legger canyon	8:30 Am	Ammonia, ~~Nitrate~~, ~~Nitrite~~, organic NHtag
102-6726	N 000921	Lange Lane	9:48 Am	" " " "
102-6727	N 000211	Bouquet canyon	10:35 Am	" " " "
102-6728	N 000906	[illegible]	11:00	" " " "
102-6729	N 000906	Blue cut	12:38	" " " "
102-6730	N 001211	Treatment Drain	1:48	" " " "
102-6731	N 000921	El Almaso Stream	2:38	" " " "

Warning or special instruction on samples:

Seals: ☐ Intact ☐ None ☐ Broken		Date	Time
Samples relinquished by	[signature]	2/15/01	4:30
Samples relinquished by			
Received for Lab by	[signature]	2/15/01	4:30 pm

State of California-Department of Health Services
1449 [illegible] Temple Street, Suite 101
Lo[illegible]geles CA 90026-5698

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

Phone No: (213) 5766683

( )

Sampler employed by: ☐ ODW

R.W.Q.C. Board No: ☒ 4 ☐ 7 ☐ 8

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 launch cyn Rd	8:30 AM	pH, Boron, Nitrite, nitr... TDS, chloride, sulfate, [illegible]
102-6719	G1 010201	long bridge	9:45 AM	" " " " "
102-6720	G1 010201	Bouquet canyon	10:35 AM	" " " " "
102-6721	G1 010201	west pier	11:10	" " " " "
102-6722	G1 010201	Blue cut	12:38	" " " " "
102-6723	G1 010201	Freeman diversion	1:45	" " " " "
102-6724	G1 010201	Fillmore shed A	2:35	" " " " "

RECEIVED 2001 MAR 30 P 12:40

Warning or special instruction on samples:

Seals: ☐ Intact ☐ None ☐ Broken		Date	Time
Samples relinquished by	[signature]	2/15/01	4:30
Samples relinquished by			
Received for Lab by	[signature]	2/15/01	4:30

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. 102-6718-01 to 102-6724-01

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

4-14

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

Analysis Request Form

Name of Sampler: Elizabeth Erickson

Phone No: (213) 576 6683 ( ) _____

Sampler employed by: ☐ ODW

R.W.Q.C. Board No: ☒ 4 ☐ 7 ☐ 8

Sample source: SC river

Date 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)
905 3664	SC-101a	Santa Clara @ 101 (this year)	10:30 AM	Pesticide sediment
905 3665	SC-101b	" (5 year)	"	"
905 3666	SC-101c	" (10 year)	"	"
905 3667	SCEa	Santa Clara @ Estuary (this year)	11:00 AM	"
905 3668	SCEaa	"	"	"
905 3669	SCEb	" (5 year)	"	"
905 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		5/3/99	1:05
Samples relinquished by			
Received for Lab by	C. Bernardo	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 [X] 8080

All reporting units = [ ] ug/l (ppb) [X] ug/kg (ppb)

RL = Reporting limit

Analyte	STORET CODE	ANALYSIS RESULTS	DETECTION LIMIT [ ] X 1 [X] 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 [X] 8080

All reporting units = [ ] ug/l (ppb) [X] ug/kg (ppb)

RL = Reporting limit

Analyte	STORET CODE	ANALYSIS RESULTS	DETECTION LIMIT [ ] X 1 [X] 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 [X] 8080

All reporting units = [ ] ug/l (ppb) [X] ug/kg (ppb)

RL = Reporting limit

Analyte	STORET CODE	ANALYSIS RESULTS	DETECTION LIMIT [ ] X 1 [X] 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 [X] 8080

All reporting units = [ ] ug/l (ppb) [X] ug/kg (ppb)

RL = Reporting limit

Analyte	STORET CODE	ANALYSIS RESULTS	DETECTION LIMIT [ ] X 1 [X] 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 [X] 8080

All reporting units = [ ] ug/l (ppb) [X] ug/kg (ppb)

RL = Reporting limit

Analyte	STORET CODE	ANALYSIS RESULTS	DETECTION LIMIT [ ] X 1 [X] 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 [X] 8080

All reporting units = [ ] ug/l (ppb) [X] ug/kg (ppb)

RL = Reporting limit

Analyte	STORET CODE	ANALYSIS RESULTS	DETECTION LIMIT [ ] X 1 [X] 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 [X] 8080

All reporting units = [ ] ug/l (ppb) [X] ug/kg (ppb)

RL = Reporting limit

Analyte	STORET CODE	ANALYSIS RESULTS	DETECTION LIMIT [ ] X 1 [X] 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 [X] 8080

All reporting units = [ ] ug/l (ppb) [X] ug/kg (ppb)

RL = Reporting limit

Analyte	STORET CODE	ANALYSIS RESULTS	DETECTION LIMIT [ ] X 1 [X] 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 [X] 8080

All reporting units = [ ] ug/l (ppb) [X] ug/kg (ppb)

RL = Reporting limit

Analyte	STORET CODE	ANALYSIS RESULTS	DETECTION LIMIT [ ] X 1 [X] 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

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

Analysis Request Form

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

RECEIVED
2001 MAR 30
P(12:40)

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: 2/20/01 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, Nitrate~~ TDS, Cl, SO_4, NO_3, NO_2, pH, B
6738		1 mile above Lang Gauging 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 & Bandell Development	10:39 am	" "

Warning or special instruction on samples:

Seals: ☐ Intact ☐ None ☐ Broken		Date	Time
Samples relinquished by		2/20/01	12:30
Samples relinquished by			
Received for Lab by		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

Site (1)

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: Bootlegger Cyn Rd
Date and time of Collection: 8:30 AM

Field Observations:

7.7 7.6 pH 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

6.5 temp 6.6 6.7

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

Clarity: (circle) (clear) turbid

19 sec for 50'
? 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

bottle
Cl 010001
N 002900

Other comments: Gustin

DJS 12/15/92

4.5 5.5
× 9
49.5 feet

15 seconds

site 2

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

SURFACE WATER SAMPLING FIELD SHEET

Sampler: SARKIS
Waterbody Name: SANTA CLARA RIVER
Location: Lang Ranch
Date and time of Collection: 2/15/2001 Time 9:45

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 50 (F)
Most recent rain (if applicable) 36 hr ago
Stream Depth: (approx.) 2-6 inch Width: (approx.) 20 feet
Velocity ____ft/sec Flow: ____cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky

50 yds
3 min
39 sec
flow rate

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

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 17.2 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 ____

N coliform Q 0,00)

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:

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

Other comments: no algae, cold

DJS 12/15/92

Site (3)

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: Bouquet Canyon - below at McBean pkwy / - rising well
Date and time of Collection: 10:35

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 ____ ft/sec Flow: ____ cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud (sand) cobble rocky

3 in in 20 sec to go 55'

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

Clarity: (circle) (clear) turbid

Field Chemistry: (Hydrolab)

Temp. 15.3 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, ~~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 ____

N
000229
G1
010201

Likely source(s) of water in stream:

- [X] 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 at 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/Erickson
Waterbody Name: Santa Clara @ 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 days
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

50' in 20 seconds

1.5' deep

18' wide

Field Chemistry: (Hydrolab)

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

<1
0.02
0.1

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 _____	

N

0.009 ou

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

raccoon tracks

upstream of POTW

DJS 12/15/92

( ) (sites) 12:30 pm 2/15/01

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: 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) 36 hrs
Stream Depth: (approx.) 1.5' Width: (approx.) 30'
Velocity ____ ft/sec Flow: ______ cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky

50 feet 5 seconds

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

Clarity: (circle) clear (turbid)

Field Chemistry: (Hydrolab)

50 x 30 x 1.5 / 5

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 ________

sample # G1 010201 N 000906

Likely source(s) of water in stream:

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

Other comments: at site of Camulos diversion — now washed away

DJS 12/15/92

site(6)

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: 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' (?)
12 seconds for 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. ____ C DO ____ mg/L
pH ____ 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:

X Rising GW
X 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: taken from fishladder—

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

CI 010201
N001211

site (7)

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

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Sanks / Erickson
Waterbody Name: Santa Clara River
Location: Fillmore Stacy 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 ____ ft/sec Flow: ____ cfs (est. or calculated?)
Bottom Substrate: (circle) concrete (mud sand) cobble rocky

11 second in 50'

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~~ (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:

- X Rising GW
- X 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: Stream width 3x bigger yesterday

DJS 12/15/92

Division Drinking Water and Environmental Management—SRL (South)

Analysis Request Form

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

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: 2/20/01 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 Development	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	001211	Thousand Trails Camp off Crown Valley Rd.	10:57 am	" "

Warning or special instruction on samples:

Seals: ☐ Intact ☐ None ☐ Broken		Date	Time
Samples relinquished by	Renee DeShazo	2/20/01	12:35
Samples relinquished by			
Received for Lab by	DA Rauhuate	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. 102-6742-01 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

3-14-2001
Date

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

Analysis Request Form

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

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: 2/20/01 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	PO_4 (total) as P
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	[signature]	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	**Submitter's no: : Surface water sampled on 02/20/01**		**(8:51 AM) - Bouquet Cyn@McBean**		
Phosphate-P, total	EPA 365.2	00665	0.21	mg/L	0.010
Lab no: 102-6748-01	**Submitter's no: : Surface water sampled on 02/20/01**		**(9:33 AM) - Mi abv Lang Gauging**		
Phosphate-P, total	EPA 365.2	00665	0.02	mg/L	0.010
Lab no: 102-6749-01	**Submitter's no: : Surface water sampled on 02/20/01**		**(10:01 AM) - Bootlegger Cyn Road**		
Phosphate-P, total	EPA 365.2	00665	0.02	mg/L	0.010
Lab no: 102-6750-01	**Submitter's no: : Surface water sampled on 02/20/01**		**(10:57 AM) - Thousand Trails**		
Phosphate-P, total	EPA 365.2	00665	0.16	mg/L	0.010
Lab no: 102-6751-01	**Submitter's no: : Surface water sampled on 02/20/01**		**(10:39 AM) - Acton/Bourdell Rd.**		
Phosphate-P, total	EPA 340.3	00665	4.50	mg/L	0.010

Lead Person/Supervisor

Date

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

Analysis Request Form

Name of Sampler: E. Erickson, E. Burres, R. DeShazo, T. Area, S. Markosian

RECEIVED
2001 MAR 30 P 12:40

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: 2/20/01 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)
6732 ~~6688~~		Bouquet Cyn @ McBean Pkwy	8:51 am	Coliform (Total, Fecal, E. coli) Enterococcus
6733 ~~6689~~		1 mile above Lang Gauging Sta.	9:33 am	" "
6734 ~~6690~~		Bootlegger Cny Road	10:01 am	" "
6735 ~~6691~~		Thousand Trails off Crown Valley Rd.	10:57 am	" "
6736		Acton + Bandell Rd. Development	10:39 am	" "

Warning or special instruction on samples:

Seals: ☐ Intact ☐ None ☐ Broken		Date	Time
Samples relinquished by		2/20/01	12:20
Samples relinquished by			
Received for Lab by	D. A. Rawlinson	2/20/01	12:20

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
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
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

4-10

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

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		2-21-01	12:10
Samples relinquished by			
Received for Lab by		2-21-01	12PM

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

Date

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

Analysis Request Form

Name of Sampler: E Erickson, T Owen, R. D [illegible] 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 126	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	[signature]	2-21-01	12:10
Samples relinquished by			
Received for Lab by	[signature]	2-21-01	12:15

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

3-25-4
Date

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

Analysis Request Form

RECEIVED
2001 MAR 30 P 12:40

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: 3/21/01 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
102-6768	10403	Fillmore 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		2-21-01	12:20
Samples relinquished by			
Received for Lab by		2-21-01	12:20

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
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

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

Analysis Request Form

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

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)
102-6755		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. Pier 99	11:03 am	"

Warning or special instruction on samples:

Seals: ☐ Intact ☒ None ☐ Broken		Date	Time
Samples relinquished by		2-21-01	12:10
Samples relinquished by			
Received for Lab by		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 **Submitter's no: : Surface water sampled on 02/21/01 (8:58 AM) - Freeman Diversion**					
Phosphate-P, total	EPA 365.2	00665	<RL	mg/L	0.010
Lab no: 102-6756-01 **Submitter's no: : Surface water sampled on 02/21/01 (9:57 AM) - Fillmore A Street**					
Phosphate-P, total	EPA 365.2	00665	<RL	mg/L	0.010
Lab no: 102-6757-01 **Submitter's no: : Surface water sampled on 02/21/01 (10:32 AM) - Blue Cut on Hwy 126**					
Phosphate-P, total	EPA 365.2	00665	0.23	mg/L	0.010
Lab no: 102-6758-01 **Submitter's no: : Surface water sampled on 02/21/01 (11:03 AM) - W. Pier 99**					
Phosphate-P, total	EPA 120.1	00665	0.21	mg/L	0.010

Lead Person/Supervisor

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.) 1ft Width: (approx.) 60'
Velocity ____ ft/sec Flow: ____ cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky

37
48
11 sec.
15' W

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

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. ~~18.6~~ 18.7 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: 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 pale yellow yellow amber
(brown) 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 (coots?), water flowing over impoundment, foam, no algae

DJS 12/15/92

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: Fillmore Street A
Date and time of Collection: 2/21/01 9:57 am

Field Observations:

Weather: (circle) (clear) (sunny) overcast raining
.34 Approximate air temp. 65 (F)
.45 Most recent rain (if applicable) 30 hours ago
25' in 11 sec Stream Depth: (approx.) 8" Width: (approx.) 40'
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. 15.5 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: no algae, evidence of recent flooding, Arundo Donax present

DJS 12/15/92

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 @ agr. diversion / 126
Location: Blue Cut on Hwy 126 @ Lat° 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 ____ 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

1' x 20' x 25' / 8

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

DJS 12/15/92

California State Department Health Services
Division Drinking Water and Environm al Management—SRL (South)

Analysis Request Form

Name of Sampler: Erickson / Bottorff

Phone No: ( ) _____
(213) 5766683

Sampler employed by: ☐ ODW
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	SCG1 970618	Westpier	7:30	TDS, Cl, SO4, B, ~~TDS~~ NO3 NO2
103-6789	SCG1 970618	Bouquet Canyon McBean Pkwy	8:12	"
103-6790	SCG1 980618	Bouquet Canyon	9:00	"
103-6791	SCG1 970714	Rivers end	9:30	"
103-6792	SCG1 000228	Boo Hegger	10:15	"
103-6793	SCG1 010201	Blue Cut	12:25	"
103-6794	SCG1 ~~010~~ 991021	Fillmore st A	12:50	"
103-6795	SCG1 50201	Freeman Fish 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	[illegible]	3-1-01	4:[illegible]

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
System No:

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

ANALYSIS CONSTITUENT	METHOD	STORET CODE	ANALYSIS RESULT	UNITS	REPORTING LIMIT
Lab no: 103-6788-01	**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

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

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Erickson / Buffum
Waterbody Name: Santa Clara
Location: Freeman Diversion Fish Ladder
Date and time of Collection: 2:15 3/1/01

Field Observations:

Weather: (circle) clear sunny overcast raining
Approximate air temp. 70 (F)
Most recent rain (if applicable) 12hrs
Stream Depth: (approx.) 2' Width: (approx.) 300'
Velocity ____ ft/sec Flow: ____ cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud sand cobble rocky
boulder

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

Clarity: (circle) clear turbid

Field Chemistry: (Hydrolab)

Temp. 13.0 C DO ____ mg/L
pH 8.4 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
___ Reclaimed water (municipal effluent)
X Urban runoff
X Agricultural runoff
___ Natural runoff (i.e. snowmelt, rainfall)
___ Releases from upstream dam
___ Unknown

Other comments: very turbid water

DJS 12/15/92

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

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Erickson / Bottorff
Waterbody Name: Santa Clara
Location: Valley View Ranch
Date and time of Collection: 1:45 3/1/~~92~~ 01.

Field Observations: 3 miles above Santa Paula Bridge

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 1 ft/sec Flow: 4 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 DO _____ mg/L
pH 8.3 Conduct. _____ mS/cm

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

Circle: ~~Gen. Mineral~~ B
~~TDS, Cl, SO4~~
~~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 Friends of SC Valley View Ranch property

DJS 12/15/92

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

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Erickson / Barthardt
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)

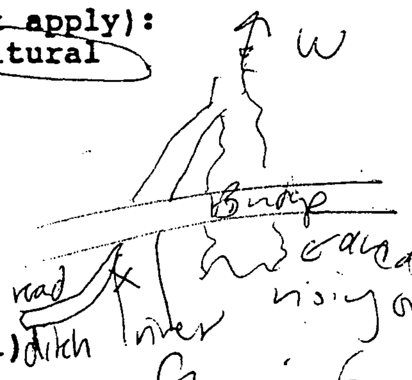
Temp. 19.6 C DO ________ mg/L
pH 8.3 Conduct. ________ mS/cm

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:



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

area of rising gw
see flowin fm

Other comments: underdrain lwk age - ag drain

DJS 12/15/92

rising groundwater - river doubles in width downstream of bridge.

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

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Erickson / Bosthoff
Waterbody Name: Santa Clara
Location: Blue Cut @ Camulos Diversion
Date and time of Collection: 12:25 3/1/01

Field Observations:

Weather: (circle) (clear) sunny overcast raining
Approximate air temp. 65 (F)
15.5 sec for 25' Most recent rain (if applicable) 12 hrs
Stream Depth: (approx.) 1' Width: (approx.) 55'
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)

$\frac{1' \times 55' \times 25'}{15.5 \text{ sec}} = 89$ cfs

Field Chemistry: (Hydrolab)

Temp. 19.0 C DO ____ mg/L
pH 8.0 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:

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

Other comments: wider than last week 3 mmeHuw -

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

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Erickson / Bartlett
Waterbody Name: Santa Clara
Location: Bouquet Canyon
Date and time of Collection: 1015 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

Flow 25' 16.09 sec

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 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: culvert blw ant sampled last week has been filled in 3 sampling blw culverts Some water impounded no algae.

DJS 12/15/92

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: 1 mile above Lang @ Rivers End
Date and time of Collection: 09:30 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.) 40'
25' in 28 seconds
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. 11.8 C DO ____ mg/L
pH 8.0 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: no algae but macrophytes @ bus 20% coverage. Good willow shading

DJS 12/15/92

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

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Erickson / Botthoff
Waterbody Name: Santa Clara
Location: Bouquet Canyon
Date and time of Collection: 9 AM 3/1/01

Field Observations:

33.09 second for 201

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
(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
____ Agricultural runoff
__X__ Natural runoff (i.e. snowmelt, rainfall)
____ Releases from upstream dam
____ Unknown

Other comments: no flow in river until Boquet 3 outfall — measured Boquet

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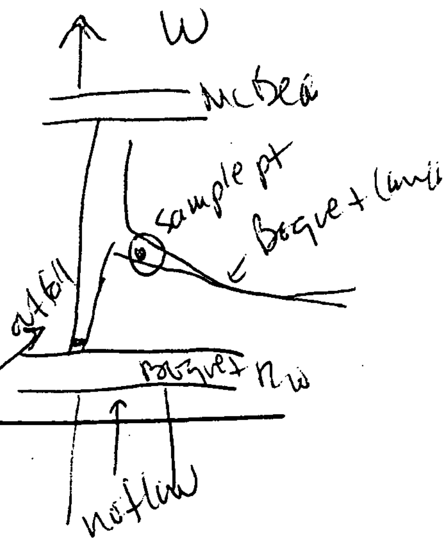
effluent stream 15 sec 25' 4' wide 6" deep 19°C 7.5 pH 5% algae cover on pebbles



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 / MC BEAN 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.) 3in Width: (approx.) 20
Velocity ____ ft/sec Flow: ____ cfs (est. or calculated?)
Bottom Substrate: (circle) concrete mud (sand) cobble rocky

Flow 25' 34.16 sec

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~~
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:

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 Mc Bean Bridge

DJS 12/15/92

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

SURFACE WATER SAMPLING FIELD SHEET

Sampler: Erickson / Bottin
Waterbody Name: San Fernando
Location: West Dist 99
Date and time of Collection: 7:30 3/1/01

Field Observations:

16.3 sec
25' went

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.) ~~25'~~ 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
(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: no flow

DJS 12/15/92

Elizabeth 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: Erickson / Bottorff

Phone No: (213) 5766683 ( )

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	NH_3 Total N
103-6797	N 001017	Bogue Cyn	~~8:00~~ 9:00	"
103-6798	N 000926	Bogue Cyn McBean	~~8:00~~ 8:12	"
103-6799	N 001017	Rivers End	9:30	"
103-6809	N 001211	Bootlegger	10:15	"
103-6801	N 001211	Blue Cut	12:25	"
103-6802	N 000606	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		3-1-01	4:05
Samples relinquished by			
Received for Lab by		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/Supervisor

5-24-01
Date

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

Name of Sampler: Elizabeth Erickson

Phone No: (213) 576 6683

Sampler employed by: ☐ ODW

R.W.Q.C. Board No: ☒ 4 ☐ 7 ☐ 8

Phone No: ( ) _____

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 Barranca	12:30	General Mineral
-7982	G2 000118	Upper Todd Barranca	12	General Mineral
-7983	N 990428	Upper Todd Barranca	12	ammonia nitrite
-7984	N 001017	Lower Todd Barranca	12:30	ammonia nitrite

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD LOS ANGELES REGION

2001 NOV 27 A 9:41

RECEIVED

Warning or special instruction on samples:

Seals: ☐ Intact ☐ None ☐ Broken		Date	Time
Samples relinquished by		10/1/01	2
Samples relinquished by			
Received for Lab by		10/1/01	2:03 pm

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

SRLform28-9/22/94

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/Supervisor

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 phospate in Compiled Data files are estimated at 0.5 ppm if reported as <1 and at 0.05 ppm if reported as <0.1

Site Name	Zn	Ca	Mg	TH	Na	K	Br	Cl	F	SO4	NO2	NO2-N	NO3	NO3-N	PO4	NO2+NO3	NO2+NO3 as N	NH3	Turbidity	TDS
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 phospate in Compiled Data files are estimated at 0.5 ppm if reported as <1 and at 0.05 ppm if reported as <0.1