

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 39 Beatty Channel Outlet @ SGR T.G.: 568-F4**

Permit Requirements:

There are no permit requirements requiring mitigation of air quality.

Description of Activity/Method of Implementation:

No mitigation of air quality efforts were undertaken

- Disposition: Mitigation measure has been implemented. No further action is required.
- Mitigation measure is not fully implemented. Further action is required.
(Please explain below.)
- Mitigation measure is not in compliance. Further action is required.
(Please explain below.)

Comments/Revisions:

None

Project start date: 10-4-2012

Project end date: 11-19-2012

Completed by: Name: Ryan Romo Title: Assoc. Civil Engr. Date: 2-12-13

Approved by: Name:  Title: Princ. Engr. Date: 2-12-13

**LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM**

Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** Trash/Debris Removed (Tons) 47.00

Mitigation Measure #: 2 Exotic Veg. Removed (Sq. Ft.) none

Location/Channel Reach#: **Reach No. 39 Beatty Channel Outlet @ SGR** T.G.: **568-F4**

Permit Requirements:

The permit requires that we monitor water quality at both the upstream and downstream limits of the work when water is diverted. This year as with the previous year with the modified flow path as approved by the Army Corp of Engineers there was no need to divert water. A water diversion plan was not prepared and water sampling was not conducted.

Description of Activity/Method of Implementation:

This year the Los Angeles County Department of Public Works conducted the soft bottom clearing of Beatty Channel, using a flail mower. This year there was a large amount of debris collected in the soft bottom and along the access road itself. Crews utilized a flail mower and hand tools to cut all the dried brush and then picked up all the material for removal and disposal.

Disposition: X Mitigation measure has been implemented. No further action is required.

 Mitigation measure is not fully implemented. Further action is required.
(Please explain below.)

 Mitigation measure is not in compliance. Further action is required.
(Please explain below.)

Comments/Revisions:

Attached are pictures of the site before, during and after work was completed

Biologist on site: Yes No **Date:** _____

Biologist Comments/Instructions:

A biologist was called to the site on the first day of work to identify any exotics or trees bushes that would need to be protected. This is part of the annual clearing.

Completed by: Name: Ryan Romo Title: Assoc. Civil Engr. Date: 2-12-13

Approved by: Name:  Title: Princ. Engr. Date: 2-12-13

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 39 Beatty Channel Outlet @ SGR** T.G.: 568-F4

Permit Requirements:

There are no permit requirements requiring mitigation of noise.

Description of Activity/Method of Implementation:

No mitigation of noise efforts were undertaken

Disposition: Mitigation measure has been implemented. No further action is required.

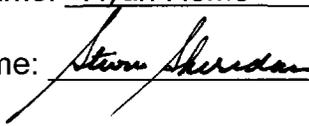
Mitigation measure is not fully implemented. Further action is required.
(Please explain below.)

Mitigation measure is not in compliance. Further action is required.
(Please explain below.)

Comments/Revisions:

None

Completed by: Name: Ryan Romo Title: Assoc. Civil Engr. Date: 2-12-13

Approved by: Name:  Title: Princ. Engr. Date: 2-12-13

REACH 39 BEATTY CHANNEL

OCT. 4, 2012 - FOREMEN ORDERED THE MOWERS TODAY FOR ALL THE MOWING WORK. TODAY HIS CREWS MOVED IN TO BEGIN THE VEGETATION REMOVAL WHERE THE HARD & SOFT BOTTOMS MEET. THE CREWS NEED TO REMOVE ALL THE CAT TAILS AT THE HARD BOTTOM TO GET INTO THE INVERT.

10-8-12 - CREWS CONTINUE TO WORK ON THE REMOVAL OF CAT TAILS TODAY AND SHOULD BE FINISHED TODAY OR TOMORROW. THE MOWERS ARE WORKING ON OTHER PROJECTS

10-9-12 CATTAILS ARE REMOVED BUT NO MOWERS THEY ARE ALL BEING USED AT THIS TIME ON OTHER PROJECTS. OUR CONTRACTOR ONLY HAS 5 MOWERS SO THE OTHER JOBS WERE REQUESTED FIRST SO WE'LL HAVE TO WAIT.

10-16-12 - MOWERS ARE EITHER BROKE DOWN OR ON OTHER JOBS.

10-30-12 - WE GOT A MOWER FOR ONE DAY TODAY AND HOPEFULLY IT SHOULD BE FINISHED TODAY SUCH A SMALL JOB TO DO ABOUT 500'!

REACH 39 BEATTY CHANNEL (CONT'D.)

10-31-12 MOWER BROKE DOWN YESTERDAY
AFTERNOON AND CONTRACTOR IS TRYING TO
FIX IT. THEY DID ABOUT HALF OF
THE MOWING THOUGH.

11-1-12 MOWER NEEDS TO BE TAKEN INTO
THE SHOP FOR REPAIRS PROBABLY TAKE A
WEEK.

11-8-12 NO WORD ON MOWER YET IT IS
STILL IN THE SHOP.

11-15-12 CONTRACTOR TOLD US THE MOWER
SHOULD BE ON-SITE TO FINISH 11-19-12.

11/19/12 MOWER IS ON-SITE AND SHOULD
FINISH THE LAST BIT OF MOWING.

11-20-12 WORK WAS COMPLETED YESTERDAY
AND CREWS PICKED UP THE LITTLE BITS OF
TRASH/DEBRIS IN THE RIVER BOTTOM FROM
THE LAST MONTH OR SO AND ALL WORK
IS COMPLETE.

Beatty Channel Reach 39

Before
(34.14352,-117.932889)



After
(34.14352,-117.932889)



Before
(34.143664,-117.932433)



After
(34.143664,-117.932433)



Beatty Channel Reach 39

Before

(34.143685,-117.932351)



After

(34.143685,-117.932351)



**LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form**

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 40A San Gabriel River**

T.G.: 597-H5

Permit Requirements:

There are no permit requirements requiring mitigation of air quality.

Description of Activity/Method of Implementation:

No mitigation of air quality efforts were undertaken. Vegetation removed from the stream bed was hauled via truck to Puente Hills landfill where it was disposed of depending on the contents as trash or green waste. The green waste was recycled into mulch or it is used for alternative daily cover by the landfill.

Disposition: X Mitigation measure has been implemented. No further action is required.

 Mitigation measure is not fully implemented. Further action is required.
(Please explain below.)

 Mitigation measure is not in compliance. Further action is required.
(Please explain below.)

Comments/Revisions:

None

Project start date: 9/17/12

Project end date: 1/22/13

Completed by: Name: Ryan Romo Title: Assoc. Civil Engr. Date: 2/12/13

Approved by: Name: Steven Sheridan Title: Princ. Engr. Date: 2/12/13

**LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form**

Impact Issue: **Hydrology and Water Quality** Trash/Debris Removed (Tons) 135.23

Mitigation Measure #: 2 Exotic Veg. Removed (Sq. Ft.) 0

Location/Channel Reach#: **Reach No. 40A San Gabriel River** T.G.: **597-H5**

Permit Requirements:

The permit requires that we monitor water quality at both the upstream and downstream limits of the work when water is diverted.

Description of Activity/Method of Implementation:

Water at the site was not present during our clearing efforts. A majority of the work was done by hand crews who cut the right and left banks 75' from the toe of the levees. The crews piled debris up and it was hauled away by a rubber track skidsteer loader which deposited it next to a chipper or dumpster on the paved access ramps for processing. The material was then hauled out of the river invert for disposal at Puente Hills Landfill. Hand work was used exclusively in this reach of the river including the use of mechanical equipment such as blowers and weed whips. Only one loader was utilized in the river bottom all dump trucks and additional support vehicles were parked along the levee or at off-site locations. This work was completed by a contractor.

Disposition: Mitigation measure has been implemented. No further action is required.

Mitigation measure is not fully implemented. Further action is required.
(Please explain below.)

Mitigation measure is not in compliance. Further action is required.
(Please explain below.)

Comments/Revisions:

No equipment used. Water samples were taken before, during, and after completed work

Biologist on site: No Yes

Date: _____

Biologist Comments/Instructions:

None

Completed by: Name: Ryan Romo Title: Assoc. Civil Engr. Date: 2/12/13

Approved by: Name: *Steve Sheridan* Title: Princ. Engr. Date: 2/12/13

**LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form**

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 40A San Gabriel River**

T.G.: 597-H5

Permit Requirements:

There are no permit requirements requiring mitigation of noise.

Description of Activity/Method of Implementation:

No mitigation of noise efforts were undertaken, however noise was not an issue on this clearing project. During the contractor's work we received no complaint calls from adjacent businesses or homeowners due to noise, dust or any other nuisance.

Disposition: Mitigation measure has been implemented. No further action is required.

Mitigation measure is not fully implemented. Further action is required.
(Please explain below.)

Mitigation measure is not in compliance. Further action is required.
(Please explain below.)

Comments/Revisions:

None

Completed by: Name: Ryan Romo Title: Assoc. Civil Engr. Date: 2/12/13

Approved by: Name:  Title: Princ. Engr. Date: 2/12/13

**LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form**

Impact Issue: **Air Quality**

Mitigation Measure #: 1

Location/Channel Reach #: **Reach No. 40B San Gabriel River**

T.G.: 637-F4

Permit Requirements:

There are no permit requirements requiring mitigation of air quality.

Description of Activity/Method of Implementation:

No mitigation of air quality efforts were undertaken. Cut vegetation was left in place.

Disposition: Mitigation measure has been implemented. No further action is required.

Mitigation measure is not fully implemented. Further action is required.
(Please explain below.)

Mitigation measure is not in compliance. Further action is required.
(Please explain below.)

Comments/Revisions:

None

Project start date: 9/17/12

Project end date: 1/22/13

Completed by: Name: Ryan Romo Title: Assoc. Civil Engr. Date: 2/12/13

Approved by: Name:  Title: Princ. Engr. Date: 2/12/13

**LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form**

Impact Issue: **Hydrology and Water Quality** Trash/Debris Removed (Tons) 26.74

Mitigation Measure #: 2 Exotic Veg. Removed (Sq. Ft.) 0

Location/Channel Reach#: **Reach No. 40B San Gabriel River** T.G.: 637-F4

Permit Requirements:

The permit requires that we monitor water quality at both the upstream and downstream limits of the work when water is diverted.

Description of Activity/Method of Implementation:

Water at the site was not present during this annual clearing event. This was the second year we had a contractor carry out the soft bottom clearing efforts in this reach. The contractor was able to get equipment into the river just before November and with only 2 rain events was able to get the work done quickly. After a rain event the contractor waited for the water to recede before beginning work again. A majority of the work was done by mechanical means. A biologist was on site before and during the work in Reach 40B marking vegetation to be protected and removed.

Disposition: X Mitigation measure has been implemented. No further action is required.

 Mitigation measure is not fully implemented. Further action is required.
(Please explain below.)

 Mitigation measure is not in compliance. Further action is required.
(Please explain below.)

Comments/Revisions:

Work was carried out in the river only when water was not present.

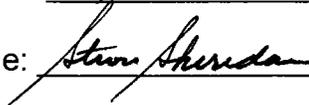
Biologist on site: No Yes

Date: on site during clearing

Biologist Comments/Instructions:

A biologist was on site before and during the mowing activities. He marked all those trees to be protected and those to be removed with a tagging system. Red ribbon was to be protected and blue ribbon was to be removed.

Completed by: Name: Ryan Romo Title: Assoc. Civil Engr. Date: 2/12/13

Approved by: Name:  Title: Princ. Engr. Date: 2/12/13

**LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form**

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 40B San Gabriel River**

T.G.: 637-F4

Permit Requirements:

There are no permit requirements requiring mitigation of noise.

Description of Activity/Method of Implementation:

No mitigation of noise efforts were undertaken, however noise was not an issue on this clearing project. During the contractor's work we received no complaint calls from adjacent businesses or homeowners due to noise, dust or any other nuisance.

Disposition: Mitigation measure has been implemented. No further action is required.

Mitigation measure is not fully implemented. Further action is required.
(Please explain below.)

Mitigation measure is not in compliance. Further action is required.
(Please explain below.)

Comments/Revisions:

None

Completed by: Name: Ryan Romo Title: Assoc. Civil Engr. Date: 2/12/13

Approved by: Name:  Title: Princ. Engr. Date: 2/12/13

SEPT. 11, 2012 - TODAY WE TOOK ALL THE PRE-CLEARING PHOTOS FOR THE SOFT BOTTOM CHANNELS. WE TOOK 3 PICTURES (UIS, ACROSS RIVER, & DIS) AT EACH 1/4 MILE MARKER OF THE BIKE TRAIL SOME 70+ PICTURES.

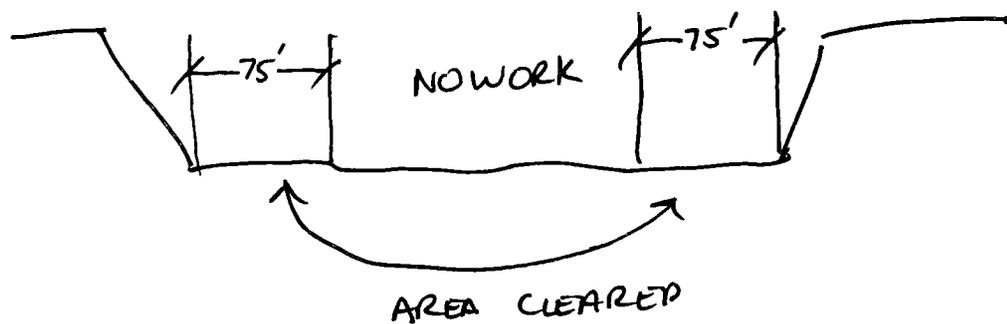
SEPT. 12, 2012 - WE'VE SET UP A MEETING WITH THE CONTRACTOR FOR TOMORROW TO GO OVER ALL THE PERMITS, REGULATIONS, REQUIREMENTS, ETC.

9-13-2012 - WE MET WITH THE CONTRACT REPRESENTATIVE AND THE FIELD FOREMEN TODAY AND WENT OVER ALL THE PERMITS AND ANY QUESTIONS THEY MIGHT HAVE. WE SET EVERY TUESDAY @ 7:00 AM AS OUR WEEKLY MEETING TO TRACK PROGRESS, ANSWER QUESTIONS. ETC. WE GAVE CONTRACTOR APPROVAL TO BEGIN ON SEPT. 17

SEPT. 17, 2012 - CONTRACTOR BEGAN MOVE-IN TODAY BROUGHT IN A DUMPSTER, PORTABLE TOILET, ETC. BEGAN WORK O/S OF SANTA FE DAM OUTLET WORKS USING A 75' PIECE OF STRING FROM TOE OF LEVEE TO DEMARCATATE LIMITS OF CLEARING

9-18-2012 - 1ST MEETING WITH CONTRACTOR HE HAS GOT 1 CREW OF 8 GUYS WORKING BETWEEN DROP STRUCTURE (DS) #1 & #2 AND HAS MOBILIZED ALL HIS EQUIPMENT. NOT MUCH PROGRESS JUST OVER 100 FEET YESTERDAY ONCE THEY GET GOING IT SHOULD BE QUICKER.

CREWS ARE CLEARING 75' FROM INSIDE TOE ON REACH 40A.



9-19-2012 - PROGRESS IS STILL SLOW, THE LEARNING CURVE, PROBABLY ANOTHER 100' TODAY

9-25-2012 - WEEKLY MEETING WITH CONTRACTOR ON TUESDAY MORNING. EVERYTHING IS GOING WELL. CREWS ARE STILL WORKING BETWEEN DS #1 & #2 AND PROBABLY WILL ALL WEEK.

10-2-2012 - 3RD MEETING WITH THE CONTRACTOR

TODAY. 2.05 TONS OF MATERIAL HAS BEEN REMOVED AS OF 10/1/2012

10/3/2012 - CONTRACTOR JUST CLOSED DIS OF DS #2 WILL BE WORKING ON RIGHT BANK TODAY.

10-9-12 - 4TH MEETING TODAY THE CONTRACTOR IS NOW BETWEEN DS #3 & #4 AND HAS REMOVED 5.95 TONS AND CLEARED APPROXIMATELY 2,000 LINEAR FEET.

10-11-12 - WORK CONTINUES BETWEEN DS #3 & #4. ANOTHER 500' OF CLEARING

10/16/2012 - APPROXIMATELY 19 TONS OF DEBRIS REMOVED, PER MEETING W/ CONTRACTOR TODAY. CREWS STILL IN BETWEEN DS #3 & #4. CONTRACTOR PLANS TO ADD ANOTHER CREW SHORTLY.

OCT. 23, 2012 - 23 TONS OF DEBRIS/VEGETATION CLEARED ALMOST 1 MILE OF RIVER CLEARED. CONTRACTOR IS PROGRESSING MORE QUICKLY NOW W/ 2ND CREW.

REACH 40A & B SUR (CONT'D.)

OCT. 30, 2012 - 7TH MEETING THIS MORNING. NO PROBLEMS NOTED CREWS NOW BETWEEN DS'S #6 & #7. APPROXIMATELY 40 TONS REMOVED BY CREWS AND TAKEN TO PUENTE HILLS LANDFILL. CONTRACTOR HAS BEEN ASKED TO HELP ON A SOUTH AREA SOFT BOTTOM REACH WHICH HE AGREED TO DO FOR THE SAME PRICE. THIS 1/2 MILE STRETCH WILL BE STARTED NEXT WEEK. WE MIGHT LOSE 1 CREW FROM OUR JOB.

11-6-12 CONTRACTOR IS NOW WORKING BOTH OUR RIVER AND THE SEGMENT IN THE SOUTH AREA. TODAY CREWS ARE BACK UP BETWEEN DS #5 & 6 PICKING UP THE CUTTINGS TODAY.

NOV 13, 2012 - CONTRACTOR IS NOW REACHED THE AREA BETWEEN DS #7 & #8 WITH ABOUT 45 TONS OF DEBRIS REMOVED PER DUMP TICKETS. NO PROBLEMS HAVE BEEN ENCOUNTERED IT IS GOING VERY GOOD NOW CREWS ARE AVERAGING 300-400' PER DAY ONE SIDE.

11-20-12 APPROXIMATELY 57 TONS OF DEBRIS TO DATE CREWS ARE NOW BETWEEN DS'S #8 & #9.

11-27-2012 OVER 60 TONS OF VEGETATION DEBRIS HAS BEEN CLEARED AS OF TODAY. CONTRACTOR HAS FINISHED THE OTHER JOBS IN THE SOUTH AREA SO ALL CREWS ARE NOW ON OUR JOB SO IT SHOULD BE GOING QUICKER NOW. WEATHER FORECAST CALLING FOR RAIN LATER IN THE WEEK MAY DELAY US THOUGH

11-29-2012 RAIN DAY

11-30-2012 RAIN CONTINUES CONTRACTOR GRANTED ANOTHER RAIN DAY.

12-3-2012 STILL MUSHY IN RIVER BOTTOM NO WORK TODAY.

12-4-2012 BACK TO WORK TODAY STARTING AT

DS #9 THE RAIN DELAY WAS 3 DAYS AND THEY'VE BROUGHT ON AN EXTRA CREW FOR THIS WEEK TO CATCH UP A LITTLE. HOMELESS

ISSUES ARE POKING UP. COUNTY WILL NEED TO SIGN FOR THE NEXT 2 WEEKS TO ALLOW HOMELESS IN THE RIVER TIME TO LEAVE

BEFORE CONTRACTOR'S MOWERS COME THROUGH IN MID DECEMBER. SIGNS WERE POSTED TODAY BY CONTRACTOR.

12-11-2012 - CONTRACTOR IS NOW BETWEEN DS #9 & 10 AND TODAY WILL POST THE LAST SET OF NOTIFICATION SIGNS FOR THE HOMELESS TO VACATE

BY 12-18-2012 SO THE CONTRACTOR CAN MOW.

12-13-2012 - RAIN DAY TODAY NO WORK

12-18-2012 HOMELESS ITEMS WILL BE HAULED BACK TO YARD FOR STORAGE TODAY TO ALLOW CONTRACTOR

TO MOW REACH 40B. CONTRACTOR IS ALMOST

DONE WITH AREA BETWEEN DS #10 & #11. LA

COUNTY CREWS WILL BE REMOVING THE

HOMELESS ITEMS THU MORNING TO ALLOW FOR

MOWING.

12-26-2012 NO WORK YESTERDAY, CONTRACTOR

STARTING JUST DIS OF DS #11 TOMORROW. PROGRESS

IS SLOW DUE TO HOLIDAY & RAIN. MORES TO

BE AT DS #13 BY WEEK END.

JAN 2, 2013 - NO WORK YESTERDAY DUE TO HOLIDAY,

CREWS ALMOST TO DS #13. OVER 140 TONS OF

DEBRIS REMOVED AS OF TODAY'S DATE.

JAN 8, 2013 - GREAT PROGRESS THIS WEEK CREWS

ARE NOW BETWEEN DS #14 & 15 EXPECT TO

FINISH BY NEXT WEEK.

REACH 40A & B SGR (CONT'D.)

1-15-2013 THIS IS OUR LAST WEEKLY MEETING WITH THE CONTRACTOR. WE WILL CONDUCT A DRIVE THROUGH AFTER THE MEETING AND SIGN OFF ON THE WORK. WE SHOULD GET TOTAL TONNAGE BY NEXT WEEK.

1-22-2013 CONTRACTOR BROUGHT BY FINAL DUMP TICKETS AND CHECKLIST FOR SIGNATURE. OUR DRIVE-THROUGH LAST WEEK FOUND NO PROBLEMS ALL WORK WAS DONE TO SPECS.

TOTAL TONNAGE40A

135.23 TONS

40B

26.74 TONS

WE WILL CLOSE OUT THE WORK ORDER AND AUTHORIZE FINAL PAYMENT ON THE CONTRACT.



COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

40A

DATE SUBMITTED: 10/11/12 20 12

SAN GABRIEL RIVER CLEARING REPORT

Name of Department Representative: _____
 Name of Contractor Representative: Angel Aguilar

DATE	FROM	TO	LF CLEARED	TONS OF GREEN WASTE HAULED	TONS OF DEBRIS HAULED	COMMENTS
10/01/12	DROP STRUCTURE #1	DROP STRUCTURE #2	W/ 800 FT ² E. ENTERS AND RACK 800 FT ² H		2.85	
10/02/12	DROP STRUCTURE #1	DROP STRUCTURE #2	W/ 800 FT ² E. ENTERS AND RACK 800 FT ² H			
10/03/12	DROP STRUCTURE #1	DROP STRUCTURE #3	400 FT ² SIDE	200		
10/04/12	DROP STRUCTURE #2	DROP STRUCTURE #3	400 FT ² SIDE	200		
10/05/12	DROP STRUCTURE #2	DROP STRUCTURE #5	400 FT ² W/ GRASS			

Signature of Contractor's Representative: [Signature] Date 10/11/12
 Signature of Department Representative: [Signature] Date 10/11/12
 Signature of Department Supervisor: [Signature]

40A



COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

DATE SUBMITTED: 10/16 2012

SAN GABRIEL RIVER CLEARING REPORT

Name of Department Representative: ~~Miguel~~ M. RYAN ROMO

Name of Contractor Representative: Miguel Magana

DATE	FROM	TO	LF CLEARED	TONS OF GREEN WASTE HAULED	TONS OF DEBRIS HAULED	COMMENTS
10/8/12	DROP STRUCTURE #2	DROP STRUCTURE #3	200 FT 250 FT	100		
10/9/12	DROP STRUCTURE #3	DROP STRUCTURE #4	467 FT 250 FT	233.50	3.8 4.20	D.T. 010 854 7543 D.T. 010 854 7280
10/10/12	DROP STRUCTURE #3	DROP STRUCTURE #4	350 FT WEED AREA			
10/11/12	DROP STRUCTURE #3	DROP STRUCTURE #4	175 FT RAILROAD		8.11 9.22	D.T. 010 854 9251 D.T. 010 854 9927
10/12/12	DROP STRUCTURE #3	DROP STRUCTURE #4	478 FT 1 SIDE			

Miguel Magana
Signature of Contractor's Representative

Date 10/16/12

Erickson
Signature of Department Representative

Date 10-16-2012

[Signature]
Signature of Department Supervisor

Date 10-16-2012

401A

DATE SUBMITTED: 10/23 2012



COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

SAN GABRIEL RIVER CLEARING REPORT

Name of Department Representative: RICKY EDWARDS

Name of Contractor Representative: Miguel Magana

DATE	FROM	TO	LF CLEARED	TONS OF GREEN WASTE HAULED	TONS OF DEBRIS HAULED	COMMENTS
10/15/12	Drop structures #3	Drop structures #4	450 2 SIDE #			
10/16/12	Drop structures #3	Drop structures #4	254 FT 2 SIDE	117	7.848	D.P. 0108558255
10/17/12	Drop structures #4	Drop structures #5	700 FT 2 SIDE	350		
10/18/12	Drop structures #4	Drop structures #5	498 FT 2 SIDE	249		
10/19/12	Drop structures #4	Drop structures #5	700 WIDE		3.85	D.P. 0108558255

[Signature] Date 10/23/12
Signature of Contractor's Representative

[Signature] Date 10-23-12
Signature of Department Representative

[Signature] Date 10-23-2012
Signature of Department Supervisor



COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

DATE SUBMITTED: 10/30 2012

SAN GABRIEL RIVER CLEARING REPORT

Name of Department Representative: _____

Name of Contractor Representative: Angel Alvarado

DATE	FROM	TO	LF CLEARED	TONS OF GREEN WASTE HAULED	TONS OF DEBRIS HAULED	COMMENTS
10/22/12	Drop structure #4	Drop structure #4	408 WEED EASTER			
10/23/12	Drop structure #5	Drop structure #6	600 FT 1510E W		3.91	DT. 0108561454
10/24/12	Drop structure #5	Drop structure #6	250 FT 2510E	125	5.19	DT. 0108562932
10/25/12	Drop structure #5	Drop structure #6	600 FT WEED 1510E W		3.36	DT. 0108564023
10/25/12	Drop structure #5	Drop structure #6	315 1510W 916 1510E H		3.55	DT 0108564521

Angel Alvarado
Signature of Contractor's Representative

Date 10/30/12

[Signature]
Signature of Department Representative

Date 10/30/2012

[Signature]
Signature of Department Supervisor

Date 10/30/2012

3,600 14 October 2012

404

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

DATE SUBMITTED: 11/6 2012

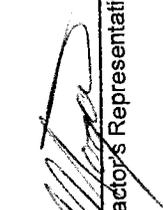


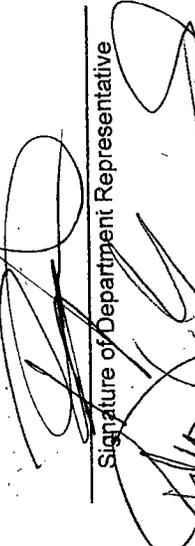
SAN GABRIEL RIVER CLEARING REPORT

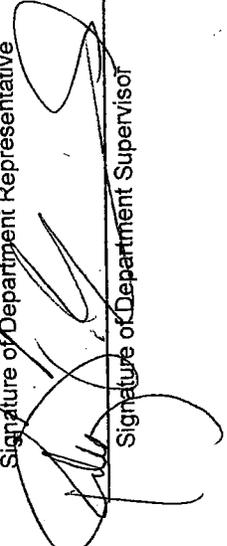
Name of Department Representative: _____

Name of Contractor Representative: Miguel Aguilar

DATE	FROM	TO	LF CLEARED	TONS OF GREEN WASTE HAULED	TONS OF DEBRIS HAULED	COMMENTS
10/29/12	DROP STRUCTURE #5	DROP STRUCTURE #6	560 FT 2 SIDE WOOD AESTER 110 FT 1 SIDE WOOD AESTER		3.00	DI 0108567905
10/30/12	DROP STRUCTURE #6	DROP STRUCTURE #7	621 FT 2 SIDE			
10/31/12	DROP STRUCTURE #6	DROP STRUCTURE #7	377 FT 2 SIDE		2.71	DI 0108570223
11/01/12	DROP STRUCTURE #6	DROP STRUCTURE #7	798 2 SIDE WOOD AESTER			
11/2/12	DROP STRUCTURE #6	DROP STRUCTURE #7	698 WOOD AESTER			

Signature of Contractor's Representative:  Date 11/6/12

Signature of Department Representative:  Date 11/6/12

Signature of Department Supervisor:  Date 11-6-12

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

DATE SUBMITTED: 11/13 2012



SAN GABRIEL RIVER CLEARING REPORT

Name of Department Representative: Ryan Reynolds

Name of Contractor Representative: Miguel Alvarado

DATE	FROM	TO	LF CLEARED	TONS OF GREEN WASTE HAULED	TONS OF DEBRIS HAULED	COMMENTS
11/5/12	Drop structure #6	Drop structure #7	600 FT Side Right H			D.T. 0108525228
11/6/12	Drop structure #5	Drop structure #6	Remove trees 1 side W			D.T. 0108574895
11/7/12	Drop structure #5	Drop structure #6	Remove trees 1 side H			D.T. 0108578996
11/8/12	Drop structure #6	Drop structure #7	Drop side Right H			D.T. 0108572554
11/9/12	Drop structure #7	Drop structure #8	1378 FT 1 side W			D.T. 0108580387

Miguel Alvarado
Signature of Contractor's Representative

Date 11/13/12

Ryan Reynolds
Signature of Department Representative

Date 11-13-12

[Signature]
Signature of Department Supervisor

Date 11/13/2012



COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

DATE SUBMITTED: 11/20 2012

SAN GABRIEL RIVER CLEARING REPORT

Name of Department Representative: RYAN ROMO / RICKY EDWARDS

Name of Contractor Representative: Miguel Aguilar

DATE	FROM	TO	LF CLEARED	TONS OF GREEN WASTE HAULED	TONS OF DEBRIS HAULED	COMMENTS
11/12/12	Drop structure #7	Drop structure #8	1393			
11/13/12	Drop structure #7	Drop structure #8	wedding			
11/14/12	Drop structure #7	Drop structure #8	Raking		5.09	PT. 01085584836
11/15/12	Drop structure #7	Drop structure #8	Picking up		2.95	PT. 01085585613
11/16/12	Drop structure #7	Drop structure #8	Trash		3.74	PT. 01085585465

[Signature]
Signature of Contractor's Representative

Date 11/20/12

[Signature]
Signature of Department Representative

Date 11-20-12

[Signature]
Signature of Department Supervisor

Date 11-20-12



COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

DATE SUBMITTED: 11/27 2012

SAN GABRIEL RIVER CLEARING REPORT

Name of Department Representative: _____

Name of Contractor Representative: Angel Aguirre

DATE	FROM	TO	LF CLEARED	TONS OF GREEN WASTE HAULED	TONS OF DEBRIS HAULED	COMMENTS
11/19/12	Drop structure #8	Drop structure #9	435		2.58	010 858 6728 11/16/12
11/20/12	Drop structure #8	Drop structure #7	665		6.20	010 858 6880 11/20/12
11/21/12	Drop structure #8	Drop structure #7	408		3.26	010 858 88824 11/19/12
					2.71	010 858 8672 11/19/12
					3.70	010 858 9674 11/20/12

Angel Aguirre
Signature of Contractor's Representative

Date 11/27/12

[Signature]
Signature of Department Representative

Date 11/27/2012

[Signature]
Signature of Department Supervisor

Date 11-27-12



COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

40A

DATE SUBMITTED: 12/4 2012

SAN GABRIEL RIVER CLEARING REPORT

Name of Department Representative: RYAN ROMO / RICKY EDWARDS

Name of Contractor Representative: Miguel Moreno

DATE	FROM	TO	LF CLEARED	TONS OF GREEN WASTE HAULED	TONS OF DEBRIS HAULED	COMMENTS
11/26/12	Drop structure #8	Drop structure #9	735 FT		3.45	010 869 4350
11/27/12	Drop structure #9	Drop structure #10	520 FT		3.47	010 859 4169
11/28/12	Drop structure #9	Drop structure #10	724 FT		2.78	010 859 6978
11/29/12	RAIN DAY					
11/30/12	RAIN DAY					

[Signature]
Signature of Contractor's Representative

Date 12/4/12

[Signature]
Signature of Department Representative

Date 12-4-12

[Signature]
Signature of Department Supervisor

Date 12-4-12

40A

DATE SUBMITTED: 12/11/12 2012



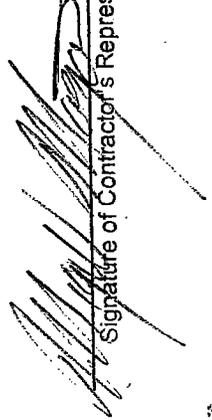
COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

SAN GABRIEL RIVER CLEARING REPORT

Name of Department Representative: Ryan Reynolds
Name of Contractor Representative: Michael Maguire

DATE	FROM	TO	LF CLEARED	TONS OF GREEN WASTE HAULED	TONS OF DEBRIS HAULED	COMMENTS
12/4/12	Drop structure #9	Drop structure #10	820 FT		3.98	0108601343
12/5/12	Drop structure #9	Drop structure #10	302 FT		3.96	0108602407
12/5/12	Drop structure #10	Drop structure #11	440 FT			
12/6/12	Drop structure #10	Drop structure #11	756 FT			
12/7/12	Drop structure #10	Drop structure #11	693 FT			
			3,011 FT			

 Date 12/11/2012
 Signature of Department Representative
 Date 12/11/2012
 Signature of Department Supervisor

 Date _____
 Signature of Contractor's Representative



COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

40A ~~40B~~

DATE SUBMITTED: 12/27 2012

SAN GABRIEL RIVER CLEARING REPORT

Name of Department Representative: Ricky V. Edwards

Name of Contractor Representative: Alvin Aguilar

DATE	FROM	TO	LF CLEARED	TONS OF GREEN WASTE HAULED	TONS OF DEBRIS HAULED	COMMENTS
12/19/12	Drop structure #10	Drop structure #11	1216 FT	40A	6.52	0108615932 12/19/12
12/20/12	Drop structure #10	Drop structure #11	812 FT	40A	5.88	0108615935 12/19/12
12/20/12	Drop structure #11	Drop structure #12	836 FT	40A	6.45	0108615965 12/19/12
12/21/12	Drop structure #11	Drop structure #	1074 FT	40A		
			5138			

[Signature]
Signature of Contractor's Representative

Date 12/27/12

[Signature]
Signature of Department Representative

Date 12-27-12

[Signature]
Signature of Department/Supervisor

Date 12-27-12

Start 40B



COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

DATE SUBMITTED: 1/8/13 2012

SAN GABRIEL RIVER CLEARING REPORT

Name of Department Representative: _____

Name of Contractor Representative: Angel Aparicio

DATE	FROM	TO	LF/CLEARED	TONS OF GREEN WASTE HAULED	TONS OF DEBRIS HAULED	COMMENTS
12/28/12	Drop Structures #12	Drop Structures #13	55740B			

[Signature] Date 1/8/12

Signature of Contractor's Representative

[Signature] Date 1/8/2013

Signature of Department Representative

Signature of Department Supervisor

End of 40A Start of 40B

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

DATE SUBMITTED: 1/8 2012



SAN GABRIEL RIVER CLEARING REPORT

Name of Department Representative: _____

Name of Contractor Representative: Miguel Magana

DATE	FROM	TO	LF CLEARED	TONS OF GREEN WASTE HAULED	TONS OF DEBRIS HAULED	COMMENTS
12/27/12	Drop structures #11	Drop structures #12	1312 FT	735 40A 577 40B	3.83	12/27/12 0108621614
12/28/12	Drop structures #11	Drop structures #12	658 FT ^{Down} Zone A	40B	6.37	12/28/12 0108621869
					4.83	0108622860

Miguel Magana
Signature of Contractor's Representative

Date 1/8/12

[Signature]
Signature of Department Representative

Date 1/8/2012

[Signature]
Signature of Department Supervisor

Date 1-8-13

409



COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

DATE SUBMITTED: 1/8 2013

SAN GABRIEL RIVER CLEARING REPORT

Name of Department Representative: _____

Name of Contractor Representative: Michael Magana

DATE	FROM	TO	LF CLEARED	TONS OF GREEN WASTE HAULED	TONS OF DEBRIS HAULED	COMMENTS
1/02/13	Drop structure #12	Drop structure #13	836 FT		4.91	0108625316 1/2/13
1/03/13	Drop structure #12	Drop structure #13	1108 FT		4.88	0108625316 1/3/13
1/04/13	Drop structure #12	Drop structure #13	842 FT			
1/04/13	Drop structure #13	Drop structure #14	805 FT			
			3451			

Michael Magana Signature of Contractor's Representative
Date 1/8/13

[Signature] Signature of Department Representative
Date 1/8/2013
[Signature] Signature of Department Supervisor
Date 1-8-13



COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

DATE SUBMITTED: 1/15 2013

SAN GABRIEL RIVER CLEARING REPORT

Name of Department Representative: Ryan Romo

Name of Contractor Representative: Myrtle Aguilar

DATE	FROM	TO	IF CLEARED	TONS OF GREEN WASTE HAULED	TONS OF DEBRIS HAULED	COMMENTS
1/7/13	Drop structure #13	Drop structure #14	1400 FT			
1/8/13	Drop structure #13	Drop structure #14	227 FT			
1/8/13	Drop structure #14	Drop structure #15	1879 FT			
1/9/13	Drop structure #14	Drop structure #15	568 FT		4.86	#1413 0108632844
1/9/13	Drop structure #15	Drop structure #16	500 FT			
1/11/13	Drop structure #15	Drop structure #16	1100 FT			
			5169			

Myrtle Aguilar
Signature of Contractor's Representative

Date 1/15/13

Ryan Romo
Signature of Department Representative

Date 1-15-13

Ryan Romo
Signature of Department Supervisor

Date 1-15-13



COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

DATE SUBMITTED: 1/22 2013

SAN GABRIEL RIVER CLEARING REPORT

Name of Department Representative: Rory V. Edwards

Name of Contractor Representative: Alfred Medina

DATE	FROM	TO	LF CLEARED	TONS OF GREEN WASTE HAULED	TONS OF DEBRIS HAULED	COMMENTS
1/14/13	Dip structure #15	Dip structure #16	1267		343	1/15/13
1/15/13	Pick up	Trash			343	0108638519

Alfred Medina Date 1/22/13
Signature of Contractor's Representative

[Signature] Date 1-22-13
Signature of Department Representative

[Signature] Date 1-22-13
Signature of Department Supervisor

San Gabriel River Reach 40A & B

Before
(34.112258,-117.970424)



After
(34.112258,-117.970424)



Before
(34.099809,-117.985594)



After
(34.099809,-117.985594)



San Gabriel River Reach 40A & B

Before
(34.093528,-117.993667)



After
(34.093528,-117.993667)



Before
(34.057988,-118.007501)



After
(34.057988,-118.007501)



San Gabriel River Reach 40A & B

Before
(34.072413,-118.002612)



After
(34.072413,-118.002612)



Before
(34.051699,-118.009796)



After
(34.051699,-118.009796)



San Gabriel River Reach 40A & B

Before
(34.044538,-118.015966)



After
(34.044538,-118.015966)



Before
(34.041519,-118.022119)



After
(34.041519,-118.022119)



San Gabriel River

During
(dumpster placed on ramp)



Reach 40A & B

During
(piled up cuttings for collection)



During
(hand crews remove vegetation for the east bank)



During
(crews are weed whipping and piling up the cuttings)



**LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form**

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 41 Walnut Creek**

T.G.: 637-H2

Permit Requirements:

There are no permit requirements requiring mitigation of air quality.

Description of Activity/Method of Implementation:

No mitigation of air quality efforts were undertaken. Flail mowers removed the vast majority of the vegetation within the soft bottom and hand crews were dispatched ahead of the mowers to remove any invasives/exotics that were identified. Trash in the river bottom was collected and hauled to Puente Hills Landfill for disposal.

Disposition: X Mitigation measure has been implemented. No further action is required.

 Mitigation measure is not fully implemented. Further action is required.
(Please explain below.)

 Mitigation measure is not in compliance. Further action is required.
(Please explain below.)

Comments/Revisions:

None

Project start date: 10/8/12

Project end date: 11/15/12

Completed by: Name: Ryan Romo Title: Assoc. Civil Engr. Date: 2/12/13

Approved by: Name: *Steven Sherida* Title: Princ. Engr. Date: 2/12/13

**LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form**

Impact Issue: **Hydrology and Water Quality** Trash/Debris Removed (Tons) 8.0 tons

Mitigation Measure #: 2 Exotic Veg. Removed (Sq. Ft.) ~200

Location/Channel Reach#: **Reach No. 41 Walnut Creek** T.G.: 637-H2

Permit Requirements:

The permit requires that we monitor water quality at the site and prepare a water diversion plan, if water is present.

Description of Activity/Method of Implementation:

This year there was no flowing or ponded water at the site. Mowers took care of 99.99% of the vegetation removal work. Hand crews cleared a small patch of invasives in advance of the mowers. The flail mowers left the cuttings in the river bottom only trash and debris was hauled away for disposal.

Disposition: X Mitigation measure has been implemented. No further action is required.

 Mitigation measure is not fully implemented. Further action is required.
(Please explain below.)

 Mitigation measure is not in compliance. Further action is required.
(Please explain below.)

Comments/Revisions:

No equipment used. Water samples were taken before, during, and after completed work

Biologist on site: No Yes

Date: _____

Biologist Comments/Instructions:

None

Completed by: Name: Ryan Romo Title: Assoc. Civil Engr. Date: 2/12/13

Approved by: Name:  Title: Princ. Engr. Date: 2/12/13

**LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form**

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 41 Walnut Creek**

T.G.: 637-H2

Permit Requirements:

There are no permit requirements requiring mitigation of noise.

Description of Activity/Method of Implementation:

No mitigation of noise efforts were undertaken, however noise was not an issue on this clearing project. During our operation we received no complaint calls from adjacent businesses or homeowners due to noise, dust or any other nuisance.

Disposition: Mitigation measure has been implemented. No further action is required.

Mitigation measure is not fully implemented. Further action is required.
(Please explain below.)

Mitigation measure is not in compliance. Further action is required.
(Please explain below.)

Comments/Revisions:

None

Completed by: Name: Ryan Romo Title: Assoc. Civil Engr. Date: 2/12/13

Approved by: Name:  Title: Princ. Engr. Date: 2/12/13

9-11-2012 TODAY I TOOK PRE-CLEARING PHOTOS OF THE RIVER EVERY $\frac{1}{10}$ TH OF A MILE ON THE CAR ODOMETER.

10-8-2012 CREWS BEGAN WORK TODAY CLEARING TRASH FROM THE ROCK RUBBLE / RIP RAP AT THE UPSTREAM END OF THE CREEK

10-10-2012 WE CONTINUE TO REMOVE TRASH SUCH AS MATTRESSES, BUCKETS, STROLLERS ETC. FROM THE RIP RAP. ~~WORKERS~~ ARE IN THE INVERT DIS OF BALDWIN PARK BLVD.

10-15-2012 CREWS HAVE BEEN DIVERTED SINCE LAST WEEK TO ANOTHER JOB THEY SHOULD WRAP UP WORK TODAY WITH MOWERS SCHEDULED TO START 10-~~17~~-12

10-16-12 MOWERS STARTED TODAY. ONLY ABLE TO GET 1 FLAIL MOWER IT MAY TAKE UP TO 4 WEEKS TO COMPLETE.

10-19-2012 MOWER IS CONTINUING ITS WORK FROM THE CLOVERLEAF BRIDGE WORKING UPSTREAM.

10-22-2012 MOWERS CONTINUED WORKING TODAY WILL BE THERE ALL WEEK.

10-29-2012 MOWING CONTINUES ALL WEEK. MOWER BROKE DOWN LAST WEEK SO NO MOWING ON 10-16-12

NOV. 5, 2012 MOWING CONTRACTOR HAS COMPLETED MORE THAN 50% HOPEFULLY WILL WRAP UP THIS WEEK OR EARLY NEXT WEEK

11-9-12 MOWER DOWN NO WORK TODAY SHOULD DEFINITELY FINISH NEXT WEEK MORE THAN 75% COMPLETE

11-12-12 ONLY HALF DAY OF MOWING TODAY OPERATOR NEEDS TO LEAVE EARLY.

NOV. 14, 2012 - MOWER FINISHED UP TODAY WENT AROUND AND GOT ALL MISSED UNREACHABLE AREAS

NOV. 15, 2012 - COUNTY CREWS DID FINAL DRIVE THROUGH PICKING UP ANY TRASH/DEBRIS MOWERS COULDN'T GET AND NOW CONSIDER THIS REACH COMPLETE.

**LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
 GEOTECHNICAL AND MATERIALS ENGINEERING DIVISION
 2013 WATER QUALITY MONITORING FOR
 SOFT BOTTOM CHANNEL CLEANOUTS**

Channel/Reach: San Jose Creek-Reach 42

PCA: F4004037

Date: 01/22/2013

SAMPLE LOCATION	Upstream of Project*	Within Project*	Downstream of Project*
TIME [#]	1344	1352	1403
SAMPLE NO.	SJCRK1	SJCRK2	SJCRK3
TEMPERATURE (°F)	69.0	67.7	53.9
pH	6.99	7.00	7.01
TURBIDITY (NTUs)	0.88	0.76	0.69
DISSOLVED O ₂ (mg/L)	11.9 ¹	10.9 ¹	7.44 ¹
TOTAL SUSPENDED SOLIDS (mg/L)	10.0 ¹	ND ¹	6.00 ¹

- * – Upstream of Project = 1, Within Project = 2, and Downstream of Project = 3 on sample labels and lab reports
- Samples for Dissolved Oxygen and Total Suspended Solids were analyzed by GMED's As-Needed Contract Environmental Laboratories, American Environmental Testing Labs (AETL); ¹ – Reference: AETL Lab Report No. 68223; ND – not detected at or above the Method Detection Limit
- Field Equipment Used: Hanna Model HI 991300 pH/EC/TDS/T Probe; LaMotte 2020e Turbidimeter

FIELD NOTES:

- First and last day of cleanout operations; spoke with Bob Holderness, FMD Longden Yard and met with personnel from FMD Longden Yard, on Tuesday, 01/22, to discuss cleanout operations, scope of project, estimated number of days to complete the project, water quality monitoring and locations of upstream, internal and downstream sampling points; surface water was not diverted during cleanout operations; only minor vegetation removal of castor bean plants along the north bank of San Jose Creek which took less than 1 hour to complete; no BMPs were installed due to limited time and effort to finish cleanout operations; no further monitoring or sampling.
- Upstream sampling point, #1: On south bank of San Jose Creek, at transition from concrete-lined channel to soft-bottom channel about 3720' (.70 mile) east of (e/o) Workman Mill Road along top of south levee; see Figure 1 and Photo 1.
- Internal sampling point, #2: Located at "RP23" (relief point?) at base of grouted rip-rap slope on south bank of San Jose Creek; sampling point located about 410' west of (w/o) boundary between end of open-box concrete channel and beginning of trapezoidal channel (sampling point #1); see Figure 1 and Photo 2.
- Downstream sampling point, #3: On south bank of San Jose Creek below south-bound Workman Mill Road about 2970' (.56 mile) west of (w/o) sampling point #2; see Figure 2 and Photo 3.

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
 GEOTECHNICAL AND MATERIALS ENGINEERING DIVISION
 2013 WATER QUALITY MONITORING FOR
 SOFT BOTTOM CHANNEL CLEANOUTS

Channel/Reach: San Jose Creek-Reach 42

PCA: F4004037

Date: 01/18/2013

SAMPLE LOCATION	Upstream of Project*	Within Project*	Downstream of Project*
TIME [#]	1334	1344	1357
SAMPLE NO.	SJCRK1	SJCRK2	SJCRK3
TEMPERATURE (°F)	68.1	67.7	52.8
pH	6.98	7.00	7.04
TURBIDITY (NTUs)	1.25	0.71	0.84
DISSOLVED O ₂ (mg/L)	9.73 ¹	8.88 ¹	5.97 ¹
TOTAL SUSPENDED SOLIDS (mg/L)	8.00 ¹	ND ¹	7.00 ¹

- * – Upstream of Project = 1, Within Project = 2, and Downstream of Project = 3 on sample labels and lab reports
- Samples for Dissolved Oxygen and Total Suspended Solids were analyzed by GMED's As-Needed Contract Environmental Laboratories, American Environmental Testing Labs (AETL); ¹ – Reference: AETL Lab Report No. 68191; ND – not detected at or above the Method Detection Limit
- Field Equipment Used: Hanna Model HI 991300 pH/EC/TDS/T Probe; LaMotte 2020e Turbidimeter

FIELD NOTES:

Pre-Work Monitoring

- Upstream sampling point, #1: On south bank of San Jose Creek, at transition from concrete-lined channel to soft-bottom channel about 3720' (.70 mile) east of (e/o) Workman Mill Road along top of south levee; see Figure 1 and Photo 1.
- Internal sampling point, #2: Located at "RP23" (relief point?) at base of grouted rip-rap slope on south bank of San Jose Creek; sampling point located about 410' west of (w/o) boundary between end of open-box concrete channel and beginning of trapezoidal channel (sampling point #1); see Figure 1 and Photo 2.
- Downstream sampling point, #3: On south bank of San Jose Creek below south-bound Workman Mill Road about 2970' (.56 mile) west of (w/o) sampling point #2; see Figure 2 and Photo 3.

C:/My Files/WQ-Soft Bottom Channels/San Jose Creek/Spring 2013/wqmonitsheet.011813



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

LA County Dept. of Public Works
GMED Materials Lab 900 S. Fremont Ave,
4th Floor
Alhambra, CA 91803-

Telephone: (626)458-5100
Attention: Greg Johnson

Number of Pages 3
Date Received 01/18/2013
Date Reported 01/28/2013

Job Number	Order Date	Client
68191	01/18/2013	LACDPW

Project ID: F4004037
Project Name: Soft-Bottom Channel Cleanouts
Site: San Jose Creek
Avocado Heights

Enclosed please find results of analyses of 3 water samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.
 2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
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CHAIN OF CUSTODY RECORD

No. 76699

Page 1 of 1

AETL JOB No. 68191

COMPANY: LACSD BIOD MATERIALS LAB PROJECT MANAGER: MARIE JOHNSON
 COMPANY ADDRESS: 900 S. FLEWELL AVE, AT FAULHART BLVD, BURBANK, CA 91504 PHONE: 818/458-1787
 PROJECT NAME: SOFT-ARTHM CHANNEL CLEANUPS PROJECT #: F410 4037 FAX: 818/458-1651
 SITE NAME AND ADDRESS: SAN JOSE CREEK PO # 7AD
AVOLTAPO HELIPIA

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1	STCRK-1	6/29/01	1347	W	1/500ML	NA
2	STCRK-2	6/29/01	1347	"	"	"
3	STCRK-3	6/29/01	1357	"	"	"
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS: 3 PROPERLY COOLED: Y / N / NA
 CUSTODY SEALS: Y / N / NA SAMPLES INTACT: Y / N / NA
 RECEIVED IN GOOD COND: Y / N SAMPLES ACCEPTED: Y / N

TURN AROUND TIME: SAME DAY NEXT DAY 2 DAYS 3 DAYS

NORMAL RUSH

RELINQUISHED BY SAMPLER: [Signature] Signature: [Signature] Signature: [Signature]
 Printed Name: [Name] Printed Name: [Name] Printed Name: [Name]
 Date: 1/18/13 Time: 1500 Date: 1/18/13 Time: 1500 Date: 1/18/13 Time: 1500

RECEIVED BY: [Signature] Signature: [Signature] Signature: [Signature]
 Printed Name: [Name] Printed Name: [Name] Printed Name: [Name]
 Date: 1/18/13 Time: 1500 Date: 1/18/13 Time: 1500 Date: 1/18/13 Time: 1500

TEST INSTRUCTIONS & COMMENTS: PITAL SUIPEMME
SOL-103
DISOLVED OR
STCRK = SAN JOSE
CREEK
1 = VALTREAM
2 = INTERMEDIATE
3 = DOWNSTREAM

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



American Environmental Testing Laboratory Inc.

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Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Page: 1 A

Ordered By

LA County Dept. of Public Works
GMED Materials Lab 900 S. Fremont Ave,
4th Floor

Alhambra, CA 91803-

Telephone: (626) 458-5100

Attention: Greg Johnson

Project ID: F4004037

Date Received 01/18/2013

Date Reported 01/28/2013

Job Number	Order Date	Client
68191	01/18/2013	LACDPW

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 3 samples with the following specification on 01/18/2013.

Lab ID	Sample ID	Sample Date	Matrix	QTY of Containers
68191.01	SJCRK-1	01/18/2013	Aqueous	1
68191.02	SJCRK-2	01/18/2013	Aqueous	1
68191.03	SJCRK-3	01/18/2013	Aqueous	1

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

LA County Dept. of Public Works
 GMED Materials Lab
 900 S. Fremont Ave, 4th Floor
 Alhambra, CA 91803-

Site

San Jose Creek
 Avocado Heights

Telephone: (626)458-5100

Attn: Greg Johnson

Page: 2

Project ID: F4004037

Project Name: Soft-Bottom Channel Cleanouts

AETL Job Number	Submitted	Client
68191	01/18/2013	LACDPW

Method: SM-2540-D, Residue, Non-Filterable, Gravimetric Dried at 103-105C

QC Batch No: 012113-1

Our Lab I.D.		Method Blank	68191.01	68191.02	68191.03	
Client Sample I.D.			SJCRK-1	SJCRK-2	SJCRK-3	
Date Sampled			01/18/2013	01/18/2013	01/18/2013	
Date Prepared		01/21/2013	01/21/2013	01/21/2013	01/21/2013	
Preparation Method		SM2540D	SM2540D	SM2540D	SM2540D	
Date Analyzed		01/21/2013	01/21/2013	01/21/2013	01/21/2013	
Matrix		Aqueous	Aqueous	Aqueous	Aqueous	
Units		mg/L	mg/L	mg/L	mg/L	
Dilution Factor		1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results
Total Suspended Solids (TSS)	0.50	5.00	ND	8.00	ND	7.00

QUALITY CONTROL REPORT

QC Batch No: 012113-1; Dup or Spiked Sample: 68191.01; LCS: Clean Water; LCS Prepared: 01/21/2013; LCS Analyzed: 01/21/2013;
 Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit		
Total Suspended Solids (TSS)	8.00	7.00	13.3	<15	100	87.0	87.0	80-120		



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ANALYTICAL RESULTS

Ordered By

LA County Dept. of Public Works
 GMED Materials Lab
 900 S. Fremont Ave, 4th Floor
 Alhambra, CA 91803-

Site

San Jose Creek
 Avocado Heights

Telephone: (626)458-5100

Attn: Greg Johnson

Page: 3

Project ID: F4004037

Project Name: Soft-Bottom Channel Cleanouts

AETL Job Number	Submitted	Client
68191	01/18/2013	LACDPW

Method: SM-4500-OG, Total Dissolved Oxygen (Std. Methods; 19th ed.)

QC Batch No: 011813-1

Our Lab I.D.		Method Blank	68191.01	68191.02	68191.03	
Client Sample I.D.			SJCRK-1	SJCRK-2	SJCRK-3	
Date Sampled			01/18/2013	01/18/2013	01/18/2013	
Date Prepared		01/18/2013	01/18/2013	01/18/2013	01/18/2013	
Preparation Method		SM4500OG	SM4500OG	SM4500OG	SM4500OG	
Date Analyzed		01/18/2013	01/18/2013	01/18/2013	01/18/2013	
Matrix		Aqueous	Aqueous	Aqueous	Aqueous	
Units		mg/L	mg/L	mg/L	mg/L	
Dilution Factor		1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results
Oxygen, Dissolved	0.10	0.10	NA	9.73	8.88	5.97

QUALITY CONTROL REPORT

QC Batch No: 011813-1; Dup or Spiked Sample: 68191.01; Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit					
Oxygen, Dissolved	9.73	9.58	1.6	<15					



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Data Qualifiers and Descriptors

Data Qualifier:

- #: Recovery is not within acceptable control limits.
- *: In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
- B: Analyte was present in the Method Blank.
- D: Result is from a diluted analysis.
- E: Result is beyond calibration limits and is estimated.
- H: Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
- J: Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
- M: Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
- MCL: Maximum Contaminant Level
- NS: No Standard Available
- S6: Surrogate recovery is outside control limits due to matrix interference.
- S8: The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
- X: Results represent LCS and LCSD data.

Definition:

- %Limi: Percent acceptable limits.
- %REC: Percent recovery.
- Con.L: Acceptable Control Limits
- Conce: Added concentration to the sample.
- LCS: Laboratory Control Sample
- MDL: Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



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Ordered By

LA County Dept. of Public Works
GMED Materials Lab 900 S. Fremont Ave,
4th Floor
Alhambra, CA 91803-

Telephone: (626)458-5100
Attention: Greg Johnson

Number of Pages 3
Date Received 01/22/2013
Date Reported 01/29/2013

Job Number	Order Date	Client
68223	01/22/2013	LACDPW

Project ID: F4004037
Project Name: Soft-Bottom Channel Cleanouts
Site: San Jose Creek
Avocado Heights

Enclosed please find results of analyses of 3 water samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.
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CHAIN OF CUSTODY RECORD

No 76700

Page 1 of 1

68223

AETL JOB No.

COMPANY: LACSD MATERIALS LABS PROJECT MANAGER: BARBARA JOHNSON
 COMPANY ADDRESS: 910 S. FREMONT AVE, 4TH FLR ALHAMBRA, CA 91803 PHONE: 622/458-1791
 PROJECT NAME: SOFT - BOTTOM CHANNEL - CREEK PROJECT #: 68223 FAX: 322/220-6501
 SITE NAME AND ADDRESS: SAN JOSE CREEK PO #: 7AD
AVOCADO HEALTH

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	ANALYSIS REQUESTED		TEST INSTRUCTIONS & COMMENTS
							06/08/08	06/08/08	
1	STARR-1	1/22/13	1344	H ₂ O	1/500 ML	N/A	X	X	TSS - TOTAL SUSPENDED SOLIDS DO - DISSOLVED IN
2	STARR-2	"	1452	"	"	"	X	X	STARR - SAN JOSE CREEK
3	STARR-3	"	1453	"	"	"	X	X	1 = UPSTREAM 2 = WITHIN 3 = DOWNSTREAM
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS: 3 PROPERLY COOLED: Y / N / NA
 CUSTODY SEALS Y / N / NA: 3 SAMPLES INTACT: Y / N / NA
 RECEIVED IN GOOD COND: Y / N SAMPLES ACCEPTED: Y / N

TURN AROUND TIME

NORMAL RUSH SAME DAY 2 DAYS 3 DAYS
 NEXT DAY

RELINQUISHED BY SAMPLER: [Signature] Signature: [Signature] RELINQUISHED BY: 2. Signature: [Signature]
 Printed Name: BARBARA JOHNSON Printed Name: [Signature]
 Date: 1/22/13 Time: 1500 Date: [Signature] Time: [Signature]
 RECEIVED BY: 1. Signature: [Signature] RECEIVED BY: 2. Signature: [Signature]
 Printed Name: [Signature] Printed Name: [Signature]
 Date: 1/22/13 Time: 1500 Date: [Signature] Time: [Signature]
 RECEIVED BY: 3. Signature: [Signature] RECEIVED BY: 3. Signature: [Signature]
 Printed Name: [Signature] Printed Name: [Signature]
 Date: 1/22/13 Time: 1500 Date: [Signature] Time: [Signature]

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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Page: 1 A

Ordered By

LA County Dept. of Public Works
GMED Materials Lab 900 S. Fremont Ave,
4th Floor
Alhambra, CA 91803-

Telephone: (626) 458-5100
Attention: Greg Johnson

Project ID: F4004037
Date Received 01/22/2013
Date Reported 01/29/2013

Job Number	Order Date	Client
68223	01/22/2013	LACDPW

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 3 samples with the following specification on 01/22/2013.

Lab ID	Sample ID	Sample Date	Matrix	QTY of Containers
68223.01	SJCRK-1	01/22/2013	Aqueous	1
68223.02	SJCRK-2	01/22/2013	Aqueous	1
68223.03	SJCRK-3	01/22/2013	Aqueous	1

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

Ordered By

LA County Dept. of Public Works
 GMED Materials Lab
 900 S. Fremont Ave, 4th Floor
 Alhambra, CA 91803-

Site

San Jose Creek
 Avocado Heights

Telephone: (626)458-5100

Attn: Greg Johnson

Page: 2

Project ID: F4004037

Project Name: Soft-Bottom Channel Cleanouts

AETL Job Number	Submitted	Client
68223	01/22/2013	LACDPW

Method: SM-2540-D, Residue, Non-Filterable, Gravimetric Dried at 103-105C

QC Batch No: 012313-1

Our Lab I.D.		Method Blank	68223.01	68223.02	68223.03	
Client Sample I.D.			SJCRK-1	SJCRK-2	SJCRK-3	
Date Sampled			01/22/2013	01/22/2013	01/22/2013	
Date Prepared		01/23/2013	01/23/2013	01/23/2013	01/23/2013	
Preparation Method		SM2540D	SM2540D	SM2540D	SM2540D	
Date Analyzed		01/23/2013	01/23/2013	01/23/2013	01/23/2013	
Matrix		Aqueous	Aqueous	Aqueous	Aqueous	
Units		mg/L	mg/L	mg/L	mg/L	
Dilution Factor		1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results
Total Suspended Solids (TSS)	0.50	5.00	ND	10.0	ND	6.00

QUALITY CONTROL REPORT

QC Batch No: 012313-1; Dup or Spiked Sample: 68223.01; LCS: Clean Water; LCS Prepared: 01/23/2013; LCS Analyzed: 01/23/2013;
 Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit		
Total Suspended Solids (TSS)	10.0	12.0	18.2	<15	100	101	101	80-120		



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ANALYTICAL RESULTS

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Site

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 Avocado Heights

Telephone: (626)458-5100

Attn: Greg Johnson

Page: 3

Project ID: F4004037

Project Name: Soft-Bottom Channel Cleanouts

AETL Job Number	Submitted	Client
68223	01/22/2013	LACDPW

Method: SM-4500-OG, Total Dissolved Oxygen (Std. Methods; 19th ed.)

QC Batch No: 012213-1

Our Lab I.D.		Method Blank	68223.01	68223.02	68223.03	
Client Sample I.D.			SJCRK-1	SJCRK-2	SJCRK-3	
Date Sampled			01/22/2013	01/22/2013	01/22/2013	
Date Prepared		01/22/2013	01/22/2013	01/22/2013	01/22/2013	
Preparation Method		SM4500OG	SM4500OG	SM4500OG	SM4500OG	
Date Analyzed		01/22/2013	01/22/2013	01/22/2013	01/22/2013	
Matrix		Aqueous	Aqueous	Aqueous	Aqueous	
Units		mg/L	mg/L	mg/L	mg/L	
Dilution Factor		1	1	1	1	
Analytes	MDL	PQL	Results	Results	Results	Results
Oxygen, Dissolved	0.10	0.10	NA	11.9	10.9	7.44

QUALITY CONTROL REPORT

QC Batch No: 012213-1; Dup or Spiked Sample: 68223.01; Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit					
Oxygen, Dissolved	11.9	11.9	<1	<15					



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Data Qualifiers and Descriptors

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- MCL: Maximum Contaminant Level
- NS: No Standard Available
- S6: Surrogate recovery is outside control limits due to matrix interference.
- S8: The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
- X: Results represent LCS and LCSD data.

Definition:

- %Limi: Percent acceptable limits.
- %REC: Percent recovery.
- Con.L: Acceptable Control Limits
- Conce: Added concentration to the sample.
- LCS: Laboratory Control Sample
- MDL: Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



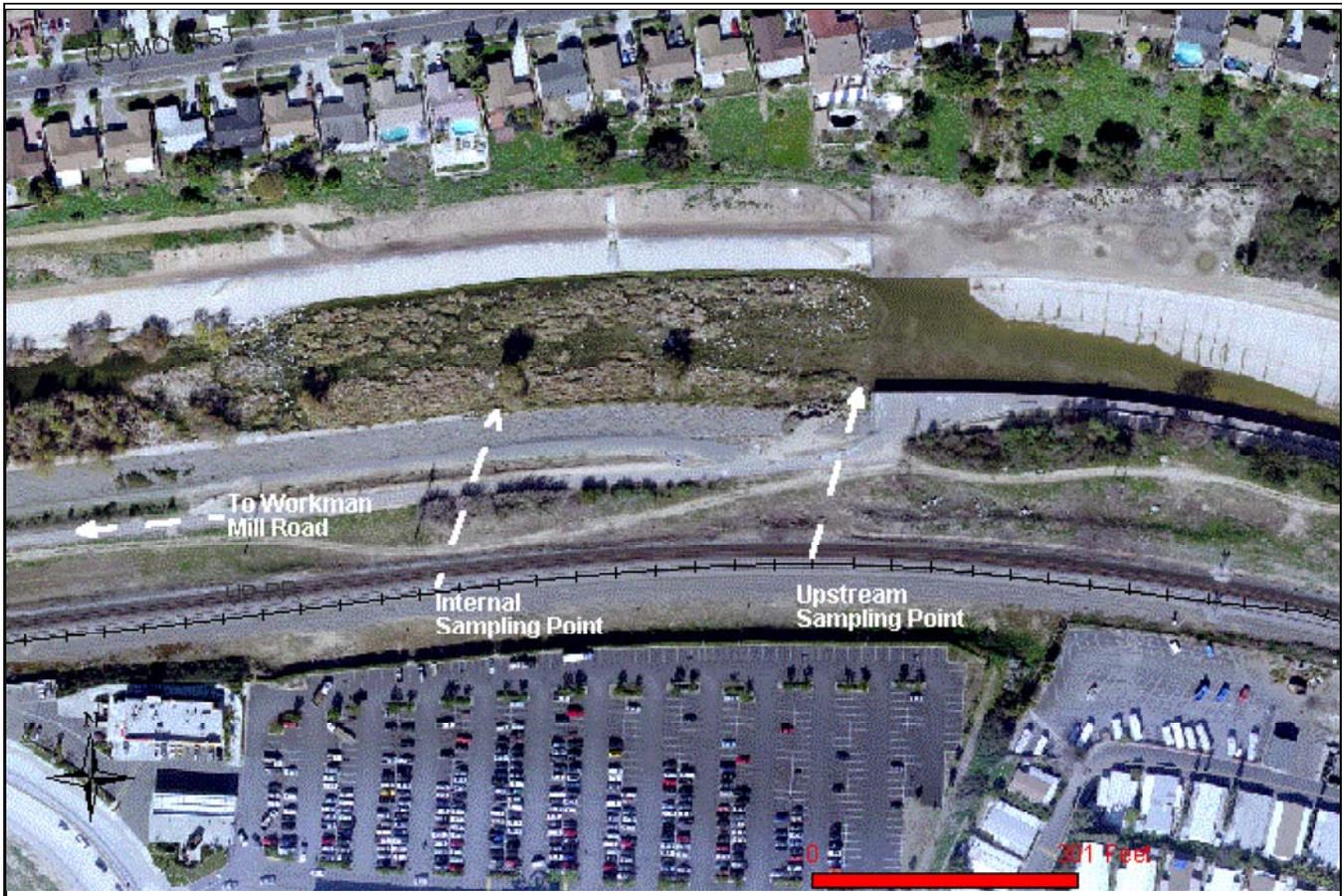
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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS



NOTES:

Figure 1-Upstream sampling point (#1) on south bank of San Jose Creek about .7

 mile e/o Workman Mill Road at transition from concrete-lined channel to SBC.

Internal sampling point (#2) located on south bank of San Jose Creek about 410'

 w/o #1 at "RP23" (relief point?) at base of grouted rip-rap slope.



LOS ANGELES COUNTY
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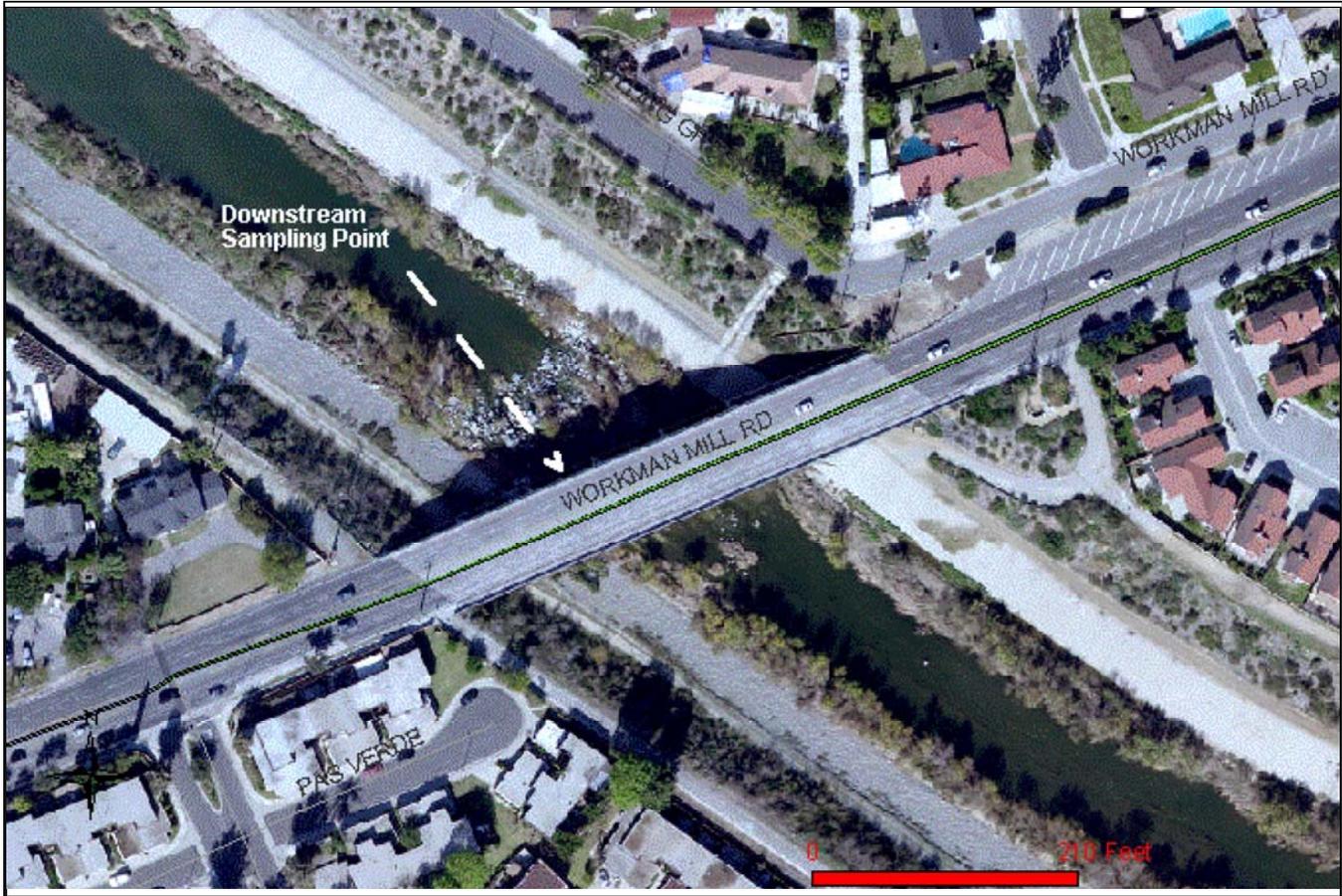
San Jose Creek SBC Cleanout Spring 2013-WQ Monit
 (Printed using View LA 20-Feb-13)



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LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS



NOTES:

Figure 2-Downstream sampling point (#3) located on the south bank of San Jose
 Creek directly below the south-bound lanes of Workman Mill Road Bridge over San
 Jose Creek; sampling point #3 located about .6 mile w/o sampling point #2.



LOS ANGELES COUNTY
 DEPARTMENT OF PUBLIC WORKS
 900 S. Fremont Ave.
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San Jose Creek SBC Cleanout Spring 2013-WQ Monit
 (Printed using View LA 20-Feb-13)



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Photo 1: Upstream sampling point (#1) delineated by yellow oval; view to the northeast from the access road along the top of the south bank of San Jose Creek; concrete wall on right edge of photo marks the boundary extending across San Jose Creek between the end of the open-box concrete channel and the start of the soft-bottom channel.



Photo 2: Internal sampling point (#2) delineated by yellow oval; view to the north from the access road along the top of the south bank of San Jose Creek; note grouted rip-rap slope and stenciled black "RP23" on white background in bottom center of photo marking location of Relief Point 23.



Photo 3: Downstream sampling point (#3) delineated by yellow oval; view to the northeast from the south bank of San Jose Creek below the south-bound lanes of Workman Mill Road Bridge over San Jose Creek; note multiple bridge trusses in upper right portion of photo.

Walnut Creek Reach 41

Before
(34.062686,-117.9884)



After
(34.062686,-117.9884)



Before
(34.062286,-117.994355)



After
(34.062286,-117.994355)



Walnut Creek Reach 41

Before
(34.061157,-118.002874)



After
(34.061157,-118.002874)



During
(mowing on the right bank)



During
(mower working around trees)



Walnut Creek Reach 41

During
(mowing continues)



During
(modified gradall XI5200 with mower attachment)



LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: 1

Location/Channel Reach #: **Reach No. 42 San Jose Creek**

T.G.: 637-E5

Permit Requirements:

There are no permit requirements requiring mitigation of air quality.

Description of Activity/Method of Implementation:

No mitigation of air quality efforts were undertaken

Disposition: Mitigation measure has been implemented. No further action is required.

Mitigation measure is not fully implemented. Further action is required.
(Please explain below.)

Mitigation measure is not in compliance. Further action is required.
(Please explain below.)

Comments/Revisions:

None

Project start date: 1/22/13

Project end date: 1/23/13

Completed by: Name: Ryan Romo Title: Assoc. Civil Engr. Date: 2/12/13

Approved by: Name:  Title: Princ. Engr. Date: 2/12/13

**LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM**

Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** Trash/Debris Removed (Tons) 0.25 tons

Mitigation Measure #: 2 Exotic Veg. Removed (Sq. Ft.) none

Location/Channel Reach#: **Reach No. 42 San Jose Creek** T.G.: **637-E5**

Permit Requirements:

The permit requires that we monitor water quality at both the upstream and downstream limits of the work when water is diverted.

Description of Activity/Method of Implementation:

This year we conducted water sampling on January 18, 2013 in advance of our January 22, 2013 start date. The clearing this year was once again very minimal as the amount of vegetation growing in the rip rap was extremely small as can be seen in the before pictures. Crews were able to weed whip the minor vegetation and clear the river all within one day coming back the following day to remove trash and finish up any loose ends. The cuttings, trash and debris were hauled to Puente Hills Landfill for disposal.

Due to the water diversion water sampling was conducted upstream, downstream and at the work site. The results of those water samples are attached.

Disposition: X Mitigation measure has been implemented. No further action is required.

 Mitigation measure is not fully implemented. Further action is required.
(Please explain below.)

 Mitigation measure is not in compliance. Further action is required.
(Please explain below.)

Comments/Revisions:

Attached are pictures of the site before, during and after work was completed

Biologist on site: Yes No **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Ryan Romo Title: Assoc. Civil Engr. Date: 2/12/13

Approved by: Name:  Title: Princ. Engr. Date: 2/12/13

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 42 San Jose Creek**

T.G.: 637-E5

Permit Requirements:

There are no permit requirements requiring mitigation of noise.

Description of Activity/Method of Implementation:

No mitigation of noise efforts were undertaken

Disposition: Mitigation measure has been implemented. No further action is required.

Mitigation measure is not fully implemented. Further action is required.
(Please explain below.)

Mitigation measure is not in compliance. Further action is required.
(Please explain below.)

Comments/Revisions:

None

Completed by: Name: Ryan Romo Title: Assoc. Civil Engr. Date: 2/12/13

Approved by: Name:  Title: Princ. Engr. Date: 2/12/13

SEPT. 11, 2012 - TOOK PRE-CLEARING PHOTOS OF THE STREAM AT BOTH ENDS AND MIDDLE. THERE IS NOT MUCH VEGETATION IN THE RIVER THIS YEAR

DECEMBER, 1, 2012 - FOREMEN STILL HASN'T GOT TO THIS STRETCH YET HE THINKS MAY BE MID JANUARY HE'LL GET TO IT SHOULDNT TAKE HIM MORE THAN A DAY HE ESTIMATES

1-15-2013 - CHECKED WITH FOREMEN HE IS GONNA TRY AND DO IT SOON. I'LL HAVE TO TAKE NEW PRE-CLEARING PHOTOS AS IT'S BEEN OVER 3 MONTHS.

JAN 17, 2013 - SPOKE WITH GREG JOHNSON ABOUT CONDUCTING PRE-CLEARING WATER SAMPLING AS WE PLAN TO CARRY OUT THE CLEARING ON 1-22. GREG WILL CONDUCT WATER SAMPLING FRIDAY 1-18 AND BE ON SITE 1-22 DURING THE CLEARING.

1-18-2013 - WATER SAMPLING CONDUCTED TODAY AND NEW PRE-CLEARING PHOTOS WERE TAKEN BY FOREMEN.

1-22-2013 - CREWS STARTED AND COMPLETED THE CLEARING OF THE 800' OF SOFT BOTTOM CHANNEL TODAY.

1-22-13 - GREG JOHNSON CONDUCTED WATER SAMPLING TODAY DURING THE CREWS ACTIVITIES AT APPROXIMATELY 1:00 PM. WE SHOULD HAVE RESULTS WITHIN 2 MONTHS.

1-23-13 - FOREMEN WILL TAKE ^{POST}~~PRE~~-CLEARING PHOTOS TODAY FOR MITIGATION REPORTS.

San Jose Creek Reach 42

Before
(34.032146, -118.008056)



After
(34.032146, -118.008056)



Before
(34.032123, -118.007693)



After
(34.032123, -118.007693)



**LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form**

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** 5.0 tons

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** none

Location/Channel Reach#: **Reach No. 98 Walnut Creek - Channel Inlet** **T.G.: 599-E6**

Permit Requirements:

The permit requires that we monitor water quality at both the upstream and downstream limits of the work when water is diverted.

Description of Activity/Method of Implementation:

Water is typically present at the site and this year was no exception. The work takes place where Walnut Creek transitions from a soft bottom to hard bottom channel. The water ponds just upstream of the headwall. BMP's were installed downstream of the work site consisting of 2 straw waddles spanning the entire hard bottom channel width to catch any debris that may have floated downstream. All work in this reach was carried out by hand crews and no mechanical equipment was utilized. During the work water quality was monitored both upstream, downstream and within the work area prior to and during the clearing. The water quality results are attached.

Disposition: X Mitigation measure has been implemented. No further action is required.

 Mitigation measure is not fully implemented. Further action is required.
(Please explain below.)

 Mitigation measure is not in compliance. Further action is required.
(Please explain below.)

Comments/Revisions:

No equipment used. Water samples were taken before, during, and after completed work

Biologist on site: No Yes

Date: _____

Biologist Comments/Instructions:

None

Completed by: Name: Ryan Romo Title: Assoc. Civil Engr. Date: 2/12/13

Approved by: Name:  Title: Princ. Engr. Date: 2/12/13

SEPTEMBER 11, 2012 - TOOK PRE-~~CONSTRUCTION~~/CLEARING PHOTOS OF THE INLET FROM SEVERAL LOCATIONS.

OCTOBER 1, 2012 - CHECKED W/FOREMEN ABOUT WHEN HE PLANS TO START WORK AND STILL DOESN'T KNOW HE IS CURRENTLY DOING A LARGE PROJECT THAT IS TOP PRIORITY NOW.

10-18-2012 - CONTACTED GREG JOHNSON TO BEGIN PRE-CLEARING WATER SAMPLING. PRE-CLEARING SAMPLING WILL BE DONE FRIDAY 10/19/2012.

10-19-2012 - SAMPLING COMPLETED TODAY FOREMEN IS SET TO BEGIN WORK MONDAY 10-22-2012.

10-22-2012 - BMP'S ARE INSTALLED D/S OF WORK PRIOR TO CREWS CUTTING. AFTER LUNCH THE CREWS CUT DOWN ALL THE TALL GRASSES IN THE INLET, THE FOREMEN TOOK LOTS OF PICTURES. THE WATER SAMPLERS WERE ALSO AT THE SITE AROUND 2:00PM TO SAMPLE WHILE CREWS WERE CLEARING. ALL CLEARING WAS COMPLETED TODAY.

10/23/2012 - CREWS REMOVED BMP'S TODAY AND CLEANED UP ANY LOSE STRINGS LIKE LEFTOVER CUTTINGS, LEAVES ETC.

12-31-2012 RECEIVED THE WATER QUALITY MONITORING
REPORTS FROM THE CLEANOUT TODAY AND WILL INCORPORATE
THEM INTO THIS REPORT.



Photo 3: Downstream sampling point (#3) delineated by yellow oval; view to the northwest from top of slope of small open-box concrete channel between Walnut Creek and Walnut Spreading Basin (in background); Walnut Creek, pump house, and rubber dam are behind the viewer.

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
 GEOTECHNICAL AND MATERIALS ENGINEERING DIVISION
 2012 WATER QUALITY MONITORING FOR
 SOFT BOTTOM CHANNEL CLEANOUTS

Channel/Reach: Walnut Creek/Reach 98

PCA: F4004048

Date: 10/19/2012

SAMPLE LOCATION	Upstream of Project*	Within Project*	Downstream of Project*
TIME [#]	1157	1204	1224
SAMPLE NO.	WCRK1	WCRK2	WCRK3
TEMPERATURE (°F)	67.5	68.5	74.6
pH	6.98	6.98	6.97
TURBIDITY (NTUs)	8.42	4.60	1.87
DISSOLVED O ₂ (mg/L)	4.99 ¹	7.09 ¹	8.61 ¹
TOTAL SUSPENDED SOLIDS (mg/L)	16.0 ¹	ND ¹	8.00 ¹

- * – Upstream of Project = 1, Within Project = 2, and Downstream of Project = 3 on sample labels and lab reports
- Samples for Dissolved Oxygen and Total Suspended Solids were analyzed by GMED's As-Needed Contract Environmental Laboratories, American Environmental Testing Labs (AETL); ¹ – Reference: AETL Lab Report No. 67205; ND – not detected at or above the Method Detection Limit
- Field Equipment Used: Hanna Model HI 991300 pH/EC/TDS/T Probe; LaMotte 2020e Turbidimeter

FIELD NOTES:

Pre-Work Monitoring

- Upstream sampling point, #1: located at the north end of the cul-de-sac of Chaparro Drive; access to sampling point through locked vehicle gate on west side of cul-de-sac between 2 single-family residences; sampling point about 100' upstream of the intersection of the SBC and the concrete channel on the east bank of Walnut Creek where drainage swale from street drain enters creek; see Figure 1 and Photo 1.
- Internal sampling point, #2: previous upstream sampling point; located at the north end of the cul-de-sac of Chaparro Drive; access to sampling point through locked vehicle gate on west side of cul-de-sac between 2 single-family residences; sampling point located at the end of the access road down to Walnut Creek, adjacent to "C.S.D. Sewer" manhole on east side of Walnut Creek, above start of the open-box concrete channel, see Figure 1 and Photo 2..
- Downstream sampling point, #3: located slightly over 1½ miles downstream and southwest of upstream sampling point (#1); sampling point accessed through locked gate on the west side of open concrete box channel off of Fairway Lane, w/o Grand Avenue; rubber dam at pump house diverting surface flow from channel to Walnut Spreading Basin; sampling point about 50' w/o Walnut Creek in small open-box concrete spillway between creek and spreading basin; see Figure 2 and Photo 3.

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 2012 WATER QUALITY MONITORING FOR
 SOFT BOTTOM CHANNEL CLEANOUTS

Channel/Reach: Walnut Creek/Reach 98

PCA: F4004048

Date: 10/22/2012

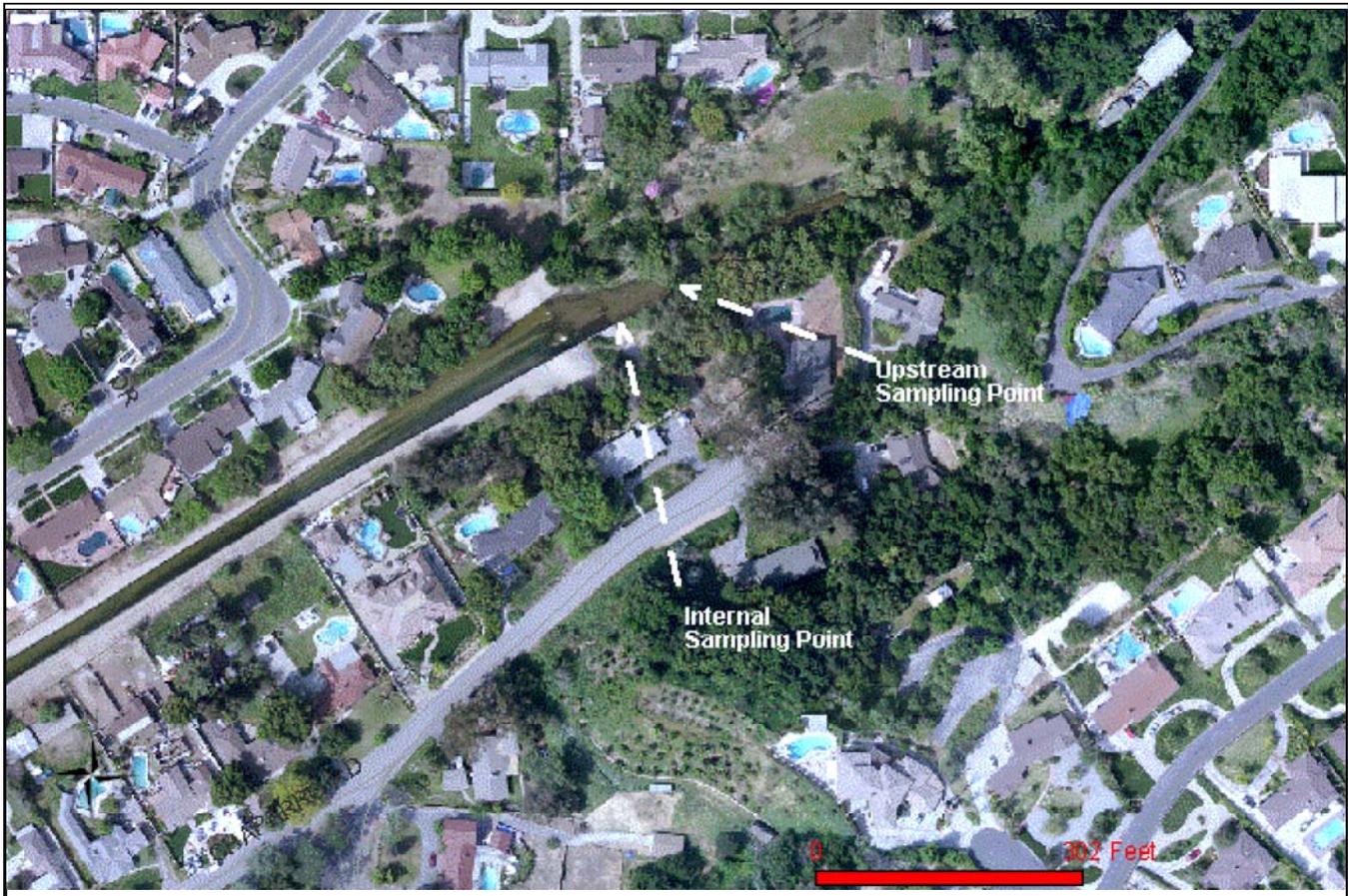
SAMPLE LOCATION	Upstream of Project*	Within Project*	Downstream of Project*
TIME [#]	1412	1419	1438
SAMPLE NO.	WCRK1	WCRK2	WCRK3
TEMPERATURE (°F)	68.3	67.1	71.5
pH	6.96	6.97	6.98
TURBIDITY (NTUs)	2.93	8.38	18.9
DISSOLVED O ₂ (mg/L)	4.99 ¹	5.98 ¹	8.25 ¹
TOTAL SUSPENDED SOLIDS (mg/L)	ND ¹	7.00 ¹	14.0 ¹

- * – Upstream of Project = 1, Within Project = 2, and Downstream of Project = 3 on sample labels and lab reports
- Samples for Dissolved Oxygen and Total Suspended Solids were analyzed by GMED's As-Needed Contract Environmental Laboratories, American Environmental Testing Labs (AETL); ¹ – Reference: AETL Lab Report No. 67227; ND – not detected at or above the Method Detection Limit
- Field Equipment Used: Hanna Model HI 991300 pH/EC/TDS/T Probe; LaMotte 2020e Turbidimeter

FIELD NOTES:

- One-day cleanout operation; spoke with FMD personnel from San Dimas Yard, on Monday, 10/22 to discuss cleanout operations, scope of project, water quality monitoring and locations of upstream, internal and downstream sampling points; surface water not diverted during field operations; hand crews and power equipment working on banks of channel clearing vegetation at time of sampling; BMPs consist of two rows of straw waddles placed across the width of Walnut Creek about 200' s/o and downstream of the intersection of the SBC and the concrete channel; increased turbidity at point #3 due to gates closing at rubber dam immediately upstream of sampling point.
- Upstream sampling point, #1: located at the north end of the cul-de-sac of Chaparro Drive; access to sampling point through locked vehicle gate on west side of cul-de-sac between 2 single-family residences; sampling point about 100' upstream of the intersection of the SBC and the concrete channel on the east bank of Walnut Creek where drainage swale from street drain enters creek; see Figure 1 and Photo 1.
- Internal sampling point, #2: previous upstream sampling point; located at the north end of the cul-de-sac of Chaparro Drive; access to sampling point through locked vehicle gate on west side of cul-de-sac between 2 single-family residences; sampling point located at the end of the access road down to Walnut Creek, adjacent to "C.S.D. Sewer" manhole on east side of Walnut Creek, above start of the open-box concrete channel, see Figure 1 and Photo 2..
- Downstream sampling point, #3: located slightly over 1½ miles downstream and southwest of upstream sampling point (#1); sampling point accessed through locked gate on the west side of open concrete box channel off of Fairway Lane, w/o Grand Avenue; rubber dam at pump house diverting surface flow from channel to Walnut Spreading Basin; sampling point about 50' w/o Walnut Creek in small open-box concrete spillway between creek and spreading basin; see Figure 2 and Photo 3.

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS



NOTES:

Figure 1: Upstream sampling point (#1) located on s/e bank of Walnut Creek about

 100' upstream of the intersection of the SBC and reinforced concrete box channel.

Internal sampling point (#2) located on the s/e bank of Walnut Creek adjacent to

 "C.S.D. Sewer" manhole at the intersection of the SBC and concrete channel.



LOS ANGELES COUNTY
 DEPARTMENT OF PUBLIC WORKS
 900 S. Fremont Ave.
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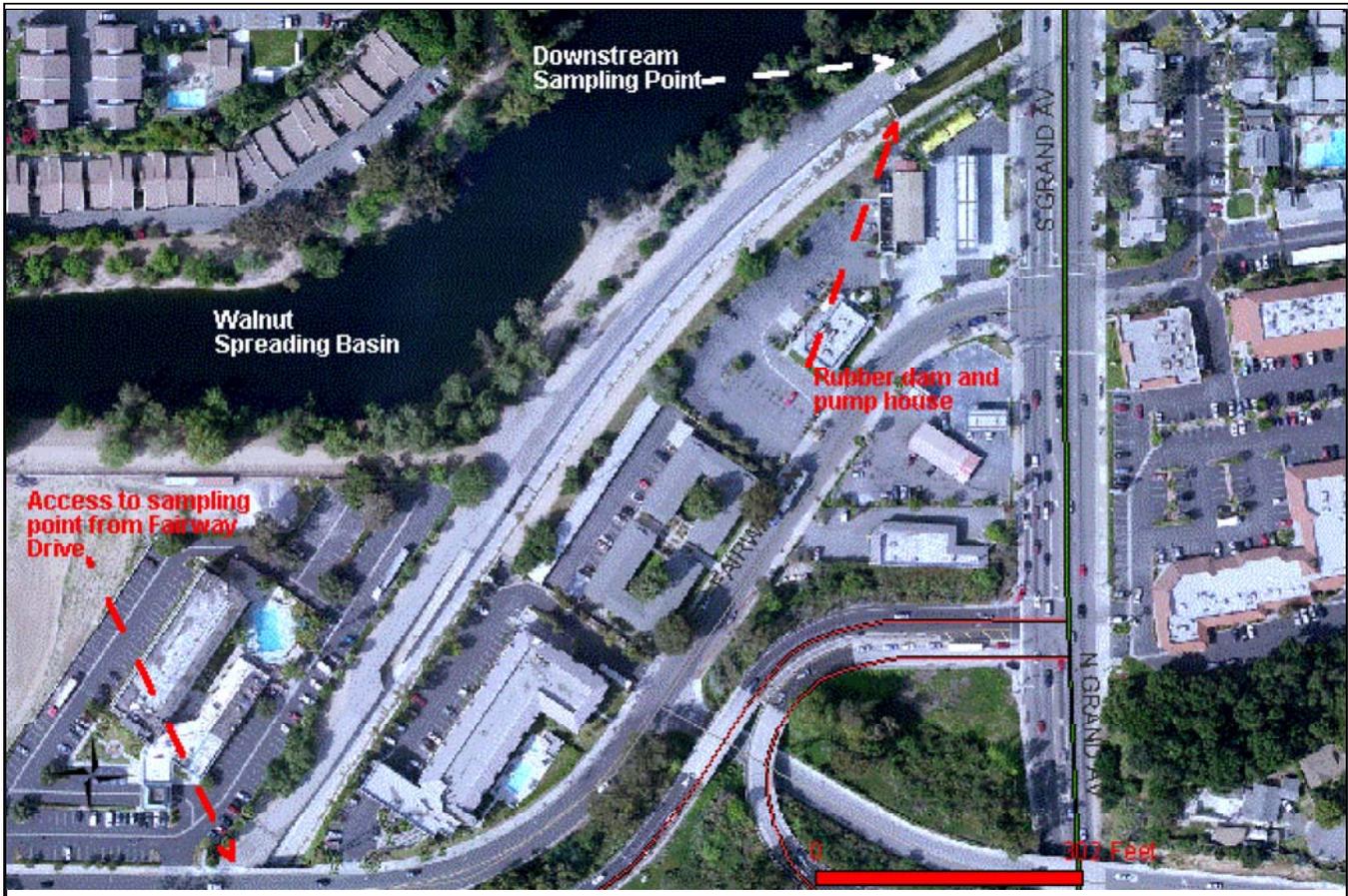
Walnut Creek SBC Cleanout Fall 2012 - WQ Monit
 (Printed using View LA 26-Dec-12)



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NOTES:

Figure 2: Downstream sampling point (#3) about 50' n/w of Walnut Creek in bottom of small open-box concrete channel spillway which diverts water from creek to Walnut Spreading Basin when rubber dam is functional; access to sampling point through locked vehicle gate on west side of channel at Fairway Drive.



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Photo 1: Upstream sampling point (#1) delineated by yellow oval; view to the west from the southeast bank of Walnut Creek; note vertical concrete wall in center background which marks the end of the soft-bottom channel and beginning of the concrete channel.



Photo 2: Internal sampling point (#2) delineated by yellow oval; view to the west from the southeast bank of Walnut Creek; sampling point is immediately above the intersection of soft-bottom channel and concrete open-box channel; note "C.S.D. Sewer" manhole in foreground and access road entering photo from the left.

Walnut Creek Inlet Reach 98

Before
(34.079583,-117.86081)



After
(34.079583,-117.86081)



Before
(34.07966,-117.860464)



After
(34.07966,-117.860464)



Walnut Creek Inlet Reach 98

During
(Crews survey the work to be done)



During
(hand clearing)



During
(the sand bag & straw waddle BMP's)



During
(working in water knee high)

